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UNDERGRADUATE CATALOG

Date of Publication: July 2024

Applicability of Catalog

The information outlined in this Catalog does not constitute a contract between Monmouth University and any student, parent, guardian or individual acting on a student's behalf. The information in this Catalog also does not constitute an unconditional promise of any kind. Monmouth University reserves the right, in its sole judgment, to make changes to any policy, procedure, academic program, curricular information, class schedules, class delivery method, class content or available courses, and any other published information without prior notice. If Monmouth University makes changes, it may provide for alternatives when reasonably practical under the circumstances. This reservation of rights includes changes the University makes that are necessary to address the global pandemic, unforeseen circumstances or acts of God.

MISSION STATEMENT OF MONMOUTH UNIVERSITY

Monmouth University is an independent, comprehensive institution of higher education committed to excellence and integrity in teaching, scholarship, and service. Through its offerings in liberal arts, science, and professional programs, Monmouth University educates and prepares students to realize their potential as leaders and to become engaged citizens in a diverse and increasingly interdependent world.

RESPONSIBILITY AND POLICIES OF THE UNIVERSITY

Responsibility of the University

The programs and/or requirements set forth in this catalog are subject to change without notice. Any modification in the programs and/or requirements shall be made at the discretion of the administrative officers of Monmouth University whenever such action is deemed necessary.

Equal Opportunity, Harassment, and Nondiscrimination Statement

Monmouth University supports equal opportunity in every phase of our operation including recruitment, admission, educational programs, and employment practices of recruitment, hiring, promotion, reclassification, transfer, compensation, benefits, termination, layoff, and return from layoff, social and recreational programs and any other aspects of education or employment. The University does not discriminate on the basis of race, color, creed, ancestry, national origin, nationality, sex (including pregnancy and sexual harassment), affectional or sexual orientation, gender identity or expression, atypical hereditary cellular or blood trait, genetic information, marital status, domestic partnership or civil union status, age, liability for military service, protected veteran status, or status as an individual with a mental or physical disability, including AIDS and HIV-related illnesses or any other protected category under applicable local, state, or federal law. The University also complies with all major federal and state laws and executive orders requiring equal employment opportunity and/or affirmative action.

Monmouth University affirms the right of its faculty, staff, and students to work and learn in an environment free from discrimination and harassment, including sexual harassment, and has developed procedures to be used to resolve discrimination or sexual harassment complaints. A copy of the University-wide policy on discrimination and harassment, including sexual harassment, which describes the procedures for resolving such complaints, may be obtained from the Director of the Office of Equity and Diversity located at: 400 Cedar Avenue, Great Hall, Room 304, West Long Branch, NJ 07764, Phone: (732) 571-7577, Fax: (732) 263-5140.

Additionally, inquiries may be made externally to: Office of Civil Rights (OCR), U.S. Department of Education, 400 Maryland Avenue, SW, Washington, DC 20202-1100. Customer Service Hotline Phone: (800) 421-3481, Fax (202) 453-6012, TDD: (877) 521-2172, by E-mail (OCR@ed.gov) or on their Web site (http://www.ed.gov/ocr/).

Equal Employment Opportunity Commission (EEOC) Web site. (http://www.eeoc.gov/)

Family Educational Rights and Privacy Act

The Family Educational Rights and Privacy Act of 1974 (FERPA) establishes the right of all students to limited access to certain records and information; to review, seek correction of, and add explanations to records; and to receive a hearing on allegations of violations. The University may not require a waiver of these rights in its admission, academic, or service requirements.

Information such as grades, financial records, and financial aid records *may be* released to parent(s) of Monmouth University students who are dependents of their parents as defined by the Internal Revenue Service (IRS). To establish parents' eligibility to receive such a disclosure, the University must first obtain a copy of the parents' most recent tax return (at least the first page where dependents are listed, the financial portions may be redacted). If you have any questions regarding proof of such dependency, you may contact Monmouth University's Office of the General Counsel at (732) 571-3598. The student may also elect to grant access to academic information such as grades, financial records, and financial aid records to their parent(s) by completing a "FERPA Waiver Release" form from their e-FORMS account which is accessible from the Monmouth University student portal, *myMU.* Students may also elect to grant their parent(s) or another person proxy access to their grade reports (view only) using the Grades Self-Service (https://wlb-ssweb-01.monmouth.edu/Student/PersonProxy/) feature, which is also accessible from the student portal, *myMU.*

A copy of Student Records Policies and Procedures for Monmouth University, developed in support of the Family Educational Rights and Privacy Act, may be obtained from the Office of the General Counsel's Web page (https://www.monmouth.edu/general-counsel/ferpa/).

Directory Information

The following information may be released by the University without the student's permission unless the student states that they do not want their directory information released. The student must submit this request using the FERPA - Do Not Disclose e-FORM. The *"Do Not Disclose"* will remain in place indefinitely unless the student submits a written request to have it removed.

- Address
- Biographical data for public relations purposes
- Birth date
- Birthplace
- Class level
- Dates of attendance at Monmouth University
- Degrees and awards received at Monmouth University
- Degree candidacy
- Degree status
- Major field of study
- Most recent previous educational institution attended
- Participation in recognized activities and sports
- Photographs of student
- Registered credits for the current term
- Student's name
- Official student e-mail address
- Student's I.D. number
- Telephone number
- Veteran's status

Americans with Disabilities Act and Section 504 of the Rehabilitation Act of 1973

The Director of Equity and Diversity, as the University's Americans with Disabilities Act Coordinator and Compliance Officer, has responsibility for issues related to Section 503 and 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act.

The Americans with Disabilities Act and Section 504 of the Rehabilitation Act of 1973 provide that no otherwise qualified individual with a disability (student/employee/applicant) shall, by reason of the disability, be excluded from participation in, be denied the benefit of, or be subjected to discrimination under any program or activity receiving federal financial assistance. An otherwise qualified individual with respect to post secondary education is one who meets the essential academic requirements and, with respect to employment, is one who with reasonable accommodation can perform the essential functions of the job in question. Monmouth University has complied with these principles and intends to continue its compliance. Anyone having a complaint or observation about a possible discriminatory act or practice should contact the Office of Equity and Diversity at (732) 571-7577.

Human Relations Philosophy and Policy Statement

Monmouth University affirms the inestimable worth and dignity of every individual, regardless of their condition of life. We affirm, further, the right of each person to develop to their full potential and to be judged on the basis of personal accomplishments. Finally, we believe that the achievement of full humanity is enhanced by the experience of the human family.

We are committed to achieving and sustaining a pluralistic environment recognized for its racial, cultural, and ethnic diversity, and which is characterized by genuine mutuality, acceptance, affirmation of the strengths and contributions of differing individuals and groups, and a willingness to resolve disputes in a spirit of good will.

Monmouth University, through this philosophy and policy statement, seeks to create a pluralistic community in which people:

- are accepted and judged as individuals, independent of ancestry, social and economic background, sexual orientation, age, gender, gender identity, physical characteristics, personal beliefs or any protected classes;
- may freely engage in constructive academic dialogue and debate in classrooms and public halls, and pursue their social and private lives uninhibited by discrimination, disruption, or harassment in any form and;
- value, respect, and draw their intellectual strength from the rich diversity of other peoples of different races, cultures, religions, nationalities, and beliefs.

This affirmation and commitment will guide us in the challenging times ahead as we strive to achieve excellence in service, teaching, and scholarship.

DIRECTORY IN BRIEF

All officers listed in this directory may be contacted by writing to them at **Monmouth University, West Long Branch, NJ 07764-1898,** or by telephoning them at **732-571-3400,** or at the telephone numbers or addresses provided below.

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Division of Student Life
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Dean of Students Office
Associate VP for Student Life/Dean of Students
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Leon Hess Business School
Dean
Raj Devasagayam

732-571-3423

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Mathematics Learning Center
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Coordinator of Student Support and Veteran Services
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Program Director
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Chief of Police
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School of Education
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School of Humanities and Social Sciences
Dean
David Golland
732-571-3419

School of Nursing and Health Studies
Acting Dean
Shannon Clifford
732-571-3443

School of Science
Interim Dean
Joseph Coyle
732-571-3421

School of Social Work
732-571-3543

Student Engagement
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transferservices@monmouth.edu

Tutoring Services
Director of Tutoring Services
Dorothy Cleary
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tutoringservices@monmouth.edu

Undeclared Majors Advising Program
Director of Transfer Student Services and Undeclared Services
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Writing Services
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Please refer to the complete directory in this catalog for a more complete list.

THE UNIVERSITY

Monmouth University, as described in its Mission Statement, is an independent, comprehensive institution of higher education, emphasizing excellence and integrity in teaching, and scholarship at the undergraduate, graduate, and doctorate levels. Monmouth is dedicated to service in the public interest and, in particular, to the enhancement of the quality of life. The University is committed to providing a learning environment that enables men and women to pursue their educational goals, to reach their full potential as leaders, to determine the direction of their lives, and to contribute actively in order to become engaged citizens in their community and society in an increasingly interdependent world.

Seven schools within the University—the Wayne D. McMurray School of Humanities and Social Sciences; the School of Science; the Leon Hess Business School; the School of Education; the Marjorie K. Unterberg School of Nursing and Health Studies; the Honors School; and the School of Social Work—provide a wide variety of academic programs at both the undergraduate and graduate levels. There are bachelor's degree programs in the arts and sciences and in the professional areas of business, computer science, criminal justice, education, nursing, social work, and software engineering. Co-curricular activities have been designed to complement the academic programs. Master's level programs include anthropology, business administration (M.B.A.), clinical mental health counseling, computer science, communication, creative writing (M.F.A.), criminal justice, education (M.Ed., M.S.Ed., and M.A.T.), English, history, information systems, nursing, physician assistant, social work, software engineering, and speech-language pathology. The School of Nursing and Health Studies offers doctorate level programs: Doctor of Nursing Practice (D.N.P.) and the Occupational Therapy Doctorate (2021). The School of Education offers a Doctor of Education (Ed.D.) in Educational Leadership and a Doctor of Education (Ed.D.) in Educational Leadership - Higher Education Track.

The undergraduate curriculum is built upon an innovative, interdisciplinary general education program and careful academic advising and career counseling. One of the University's main goals is to prepare Monmouth undergraduates for active participation as leaders in the twenty-first century. Accordingly, the University provides a learning environment that enables all students to develop their capacities for leadership in a multicultural world. Students are provided opportunities to develop information technology and collaborative problem-solving skills and to develop a sense of social responsibility as members of local, national, and global communities. Small classes and course clustering allow for individual attention, cooperative learning, and interactive student-faculty exchange.

The University is located in a quiet, residential area of an attractive community near the Atlantic Ocean, about an hour and thirty minutes from the metropolitan attractions of New York City and Philadelphia. Monmouth enjoys the advantage of proximity, within its home county, to many high-technology firms, financial institutions, healthcare institutions, and a thriving business-industrial sector. These provide employment possibilities for Monmouth University graduates, as well as opportunities for undergraduates to gain practical experience through internships. The surrounding communities also offer opportunities for service activities in local schools and public agencies.

Campus Facilities

The University's 170-acre campus, considered to be one of the most beautiful in New Jersey, includes among its seventy-five buildings a harmonious blending of historic and traditional architectural styles.

The centerpiece building—and the University's identifying landmark—is the **Great Hall at Shadow Lawn**, the administrative center. Completed in 1931, the 130-room mansion—originally known as Shadow Lawn—began as the private residence of Hubert T. Parson, a former president of F.W. Woolworth Company. The mansion has been described in newspapers throughout the world, is featured in many books on architecture and art, and has been used as a backdrop for innumerable print ads and television commercials. In 1981, it served as the setting for the film version of *Annie*. In 1978, along with the University's **Guggenheim Memorial Library**, another architectural treasure that was the summer home of Murray and Leonie Guggenheim, it was entered in the National Register of Historic Places. In 1985, The Great Hall at Shadow Lawn was designated a National Historic Landmark by the U.S. Department of the Interior.

Monmouth University Graduate Center is located at 185 State Highway 36, West Long Branch, NJ. This center is approximately two miles from the main campus and currently houses Athletic Training, the Department of Professional Counseling, the Physician Assistant Program, the Speech-Language Pathology Graduate Program, and the Center for Speech and Language Disorders. The Center provides rehabilitation services to the neighboring community on a free-service basis with a one-time per semester registration fee. Please call 732-923-4547 or e-mail (MUSpeechCenter@monmouth.edu) the center with further questions.

The **OceanFirst Bank Center** is a 153,200-square-foot facility that seats approximately 4,000 people. The building, which is located in the center of the campus, includes a multipurpose arena; a 200-meter, six-lane indoor track; the **University store**; Leon Hess Champions' Hall, locker rooms for nineteen athletic teams; box office; fitness center; and the University's Blue/White Club.

The **Lauren K. Woods Theatre**, a former carriage house that retains many of its original architectural features, is just one of the many gracious older buildings that lend distinctive balance to the modern additions to the campus. Prominent among these newer buildings is the **Rebecca Stafford Student Center** that houses an open computer lab, dining room and food court, student offices, lounges, and a large combination banquet/performance hall. In a first-floor suite is the Disability Services and Tutoring Center. On the lower level is the **Center for Student Success** that includes Career Services, First-Year Advising (which provides advising support to freshmen students), the Writing Center, and a graduate student lounge. Other buildings include: the **Magill Commons**, a student dining hall and conference center; the **Thomas A. Edison Science Building** (with nearby greenhouse); **Howard Hall**, housing the **Pollak Theatre** and many academic computing labs, as well as a twenty-four-hour open lab; **Bey Hall**, the Leon Hess Business School building, which contains case study classrooms, seminar rooms, and a computer laboratory; **McAllan Hall**, which houses the School of Education, the Marjorie K. Unterberg School of Nursing and Health Studies, and the School of Social Work; the state-of-the-art **Jules Plangere Center**, which houses the department of Communication, World Languages and Cultures, and a Faculty Resource Center; **Pozycki Hall**, provides several classrooms including a 150-person lecture hall, a lab and conference rooms, and **Joan and Robert Rechnitz Hall**, which houses the department of Art and Design and the Rechnitz Gallery. **William T. Boylan Gymnasium**; eleven traditional and suite-style, on-campus residence halls: **Beechwood, Cedar, Elmwood, Hesse, Laurel, Mullaney, Oakwood,**

Pinewood, Redwood, Spruce, and Willow Hall; and three apartment-style facilities: the **Great Lawn Apartments**, the **Garden Apartments**, and **Maplewood Hall**. Additional off-campus housing is the **University Bluffs**, a six-apartment-building complex located on 2.7 acres on the ocean in Long Branch**.**

History

Monmouth University was founded in 1933 with federal assistance as Monmouth Junior College, largely to provide opportunity for higher education to area high school graduates who could not afford to go away to college during the Depression. It was a two-year institution, holding classes only in the evening. For a time it appeared uncertain whether the College would have adequate funds to continue. With support from students and the community, however, the fledgling College survived the economic crisis and quickly assumed its present private status. In 1956, it was renamed Monmouth College and accredited by the state to offer four-year programs leading to the baccalaureate degree. Less than a decade later, it was authorized to offer master's degree programs. In March 1995, the New Jersey Commission on Higher Education designated Monmouth a teaching university pursuant to N.J.A.C. 9:1-3.1 et seq.

Today, Monmouth offers more than ninety-five undergraduate and graduate degree programs and concentrations. Monmouth University also offers doctorate-level programs:

School of Nursing and Health Studies:

- Doctor of Nursing Practice (D.N.P.)
- Occupational Therapy Doctorate (OTD)

School of Education:

- Doctor of Education (Ed.D.) in Educational Leadership
- Doctor of Education (Ed.D.) in Educational Leadership - Higher Education Track

School of Humanities and Social Sciences:

- Doctor of Social Work (D.S.W.) in Human Rights Leadership

Within Monmouth's student body, thirty-two states and forty-eight foreign countries are represented. More than 1,600 undergraduates are resident students.

Accreditation

The University is licensed by the New Jersey Commission on Higher Education and accredited by the Middle States Commission on Higher Education (MSCHE) (https://www.msche.org/). In addition,

- the Leon Hess Business School is accredited by the AACSB International (https://www.aacsb.edu/)—the Association to Advance Collegiate Schools of Business;
- the Bachelor of Science in Software Engineering (BSSE) program is accredited by the Engineering Accreditation Commission of (ABET) (http://abet.org);
- the Bachelor of Science in Computer Science program is accredited by the Computing Accreditation Commission of (ABET) (http://abet.org);
- the Bachelor of Science in Chemistry with a Concentration in Advanced Chemistry is certified by the American Chemical Society (ACS) (https://www.acs.org/content/acs/en/education/policies/acs-approval-program.html);
- the baccalaureate degree program in nursing, master's degree program in nursing, Doctor of Nursing Practice program and post-graduate APRN certificate programs at Monmouth University are accredited by the Commission on Collegiate Nursing Education (CCNE) (https://www.aacnnursing.org/CCNE/);
- the undergraduate Bachelor of Social Work and graduate Master of Social Work programs are accredited by the Council on Social Work Education (CSWE) (https://www.cswe.org/);
- in the School of Education, the bachelor of arts and bachelor of science programs in Education, the Masters of Arts in Teaching (MAT) program in Education, the Master of Science in Education (MSEd) programs in Literacy, Principal/Supervisor, and Special Education, and the Learning Disabilities Teacher Consultant Post-Master's Endorsement are accredited by the Council for the Accreditation for Educator Preparation (CAEP) (http://caepnet.org/); the MSEd in School Counseling and the MSEd in Student Affairs and College Counseling programs are accredited by the Council for the Accreditation of Counseling and Related Educational Programs (CACREP) (https://www.cacrep.org/);
- the Master of Science in Education (M.S.Ed.) education program in speech-language pathology (residential) at Monmouth University is accredited by the Council on Academic Accreditation in Audiology and Speech-Language Pathology of the American Speech-Language-Hearing Association, 2200 Research Boulevard, #310, Rockville, MD 20850, 800-498-2071 or 301-296-5700;
- the Department of Professional Counseling's Master of Arts in Addiction Studies program is accredited by the National Addiction Studies Accreditation Commission (NASAC) (https://nasacaccreditation.org/), and the Master of Science in Clinical Mental Health Counseling program is accredited by CACREP (https://www.cacrep.org/);
- Master of Science Physician Assistant (MSPA) Program **(**https://www.monmouth.edu/graduate/ms-physician-assistant/**)**
  - At its **September 2023** meeting, the Accreditation Review Commission on Education for the Physician Assistant, Inc. (ARC-PA) placed the **Monmouth University Physician Assistant Program** sponsored by **Monmouth University** on **Accreditation-Probation** status until its next review in **September 2025**.

    Probation accreditation is a temporary accreditation status initially of not less than two years. However, that period may be extended by the ARC-PA for up to an additional two years if the ARC-PA finds that the program is making substantial progress toward meeting all applicable standards but requires additional time to come into full compliance. Probation accreditation status is granted, at the sole discretion of the ARC-PA, when a program holding an accreditation status of Accreditation – Provisional or Accreditation – Continued does not, in the judgment of the ARC-PA, meet the Standards or when the capability of the program to provide an acceptable educational experience for its students is threatened.

    Once placed on probation, a program that fails to comply with accreditation requirements in a timely manner, as specified by the ARC-PA, may be scheduled for a focused site visit and is subject to having its accreditation withdrawn.

Specific questions regarding the Program and its plans should be directed to the Program Director and/or the appropriate institutional official(s).

The program's accreditation history can be viewed on the ARC-PA website at https://www.arc-pa.org/accreditation-history-monmouth-university/.

- The entry-level occupational therapy doctoral degree program is accredited by the Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association (AOTA), located at 6116 Executive Boulevard, Suite 200, North Bethesda, MD 20852-4929. ACOTE's telephone number c/o AOTA is (301) 652-AOTA and its web address is www.acoteonline.org. Graduates of the program will be eligible to sit for the national certification examination for the occupational therapist administered by the National Board for Certification in Occupational Therapy (NBCOT). After successful completion of this exam, the individual will be an Occupational Therapist, Registered (OTR). In addition, all states require licensure in order to practice; however, state licenses are usually based on the results of the NBCOT Certification Examination. Note that a felony conviction may affect a graduate's ability to sit for the NBCOT certification examination or attain state licensure.

The Faculty

The faculty at Monmouth University work together to provide challenging classroom environments that encourage student involvement and ensure that Monmouth graduates leave the University ready to exercise socially responsible leadership in their professional and personal communities. The faculty take teaching and student learning seriously. To enhance their effectiveness, most have participated in faculty workshops on active learning techniques.

The Monmouth faculty are respected scholars, artists, scientists, and professionals. Students are drawn into the ongoing scholarly and creative work of the faculty through classroom demonstration, research assistantships, and attendance at professional meetings. Faculty also serve as advisors to students, some as designated freshman advisors who work closely with new students during their first year.

In departments having graduate programs, certain faculty are appointed to the graduate faculty. The graduate faculty provide the core of instruction in the graduate programs at Monmouth University. Recognized for their scholarly achievements by peers in their fields, the members of the graduate faculty provide a challenging classroom environment. They bring insight from research and professional experience into the classroom. Graduate students are drawn into the ongoing, creative work of the faculty through classroom demonstration, as research assistants, and through attendance at professional meetings. The graduate faculty also serve as advisors and mentors to students; in many cases, contact is maintained after graduation.

Working directly with senior faculty who are engaged in research is a key element in graduate-level study. In recent interviews, a group of student leaders on campus unanimously agreed that the opportunity to work closely with faculty is the greatest single benefit of Monmouth's small class size and engaged faculty. Students are able to achieve a comfortable rapport with the professors.

Interviewed recently about their views of the University, a group of student leaders on campus unanimously agreed the greatest single appeal of the institution was the opportunity it afforded them to work closely with faculty, to achieve a comfortable rapport in which they not only got to know their teachers, but also were known by them. "We are never made to feel we are simply numbers," one of the student leaders stated.

A member of the anthropology faculty, who regularly involves students in his research activities, explains: "It gives them opportunity to meet important people in the field whom they otherwise would only read about, and to engage in some of the personal excitement of anthropology." A biology professor, who provides opportunity for students in his major field to participate in his environmental projects, also encourages them to write papers on their work and to present them at scientific meetings. "For some," he reports, "this experience has been a determining factor in gaining acceptance to graduate school or in getting jobs in their major field. Being able to include published research in their résumés gives them a decided edge." A psychology professor whose undergraduate students have presented papers at prestigious, professional psychology conferences is enthusiastic about their experiences. "They have truly earned the recognition they received and are excited about pursuing advanced degrees."

Monmouth faculty are committed to helping students achieve their fullest potential. That they succeed is attested in the words of a graduate who is now a successful physicist. "Any student who has anything on the ball, and who wants to learn and get the finest education possible in his or her major field, can get it at Monmouth. The teachers are tops; they care about you as an individual, work right along with you, and share the joy of your own successes. I was a science major. When they saw that I was serious about my work, my professors gave me special encouragement, allowed me flexible lab privileges, and even worked with me on research. I knew it was a great experience then. Five years into my career field, I am even more appreciative of the solid kind of preparation provided me at Monmouth. Just show the faculty you care, and you'll have them on your team all the way."

Distinguished Teaching Award

Each year at Commencement, the University cites one member of the faculty for distinguished teaching. Honorees are chosen by a committee of faculty, administrators, and students. Recipients since 1975, when the award was established, are:

Name	Year
Rose Mary Miller, Mathematics	1975
William P. Mitchell, Anthropology	1976
Richard Benjamin, Electronic Engineering	1977
Vernon Churchill, Biology	1978
Charles J. Lewis, Mathematics	1979
J. Emmett Collins, Marketing	1980
Robert J. Sipos, English	1981
Harris Drucker, Electronic Engineering	1982
Alicia E. Portuondo, Foreign Languages	1983
John A. Styslinger, English	1984
Everett L. Rich, Communication	1985
Doris K. Hiatt, Psychology	1986
Eugene S. Simko, Management	1987
Thomas S. Pearson, History	1988
Datta V. Naik, Chemistry	1989

Donald M. Moliver, Economics	1990
Robert S. Rouse, Chemistry	1991
Leonard Wollack, Marketing	1992
Arie van Everdingen, Art	1993
Mark Rodgers, Social Work	1994
Kenneth Campbell, History	1995
Margaret Del Guercio, English	1996
Marilyn Parker, Chemistry	1997
Gregory Coram, Criminal Justice	1998
Robyn Holmes, Psychology	1999
Robin Mama, Social Work	2000
Brian Garvey, English	2001
John Morano, Communication	2002
Rekha Datta, Political Science	2003
Judith Nye, Psychology	2004
Michael Palladino, Biology	2005
Bruce Normandia, Curriculum and Instruction	2006
Richard Veit, History and Anthropology	2007
Kelly Ward, Social Work	2008
Joseph Patten, Political Science	2009
David Tripold, Music and Theatre Arts	2010
Nancy Mezey, Political Science and Sociology	2011
Gary Lewandowski, Psychology	2012
Vincent Dimattio, Art and Design	2013
James Mack, Biology	2014
Kenneth Mitchell, Political Science	2015
Massimiliano Lamberto, Chemistry and Physics	2016
James Konopack, School of Nursing and Health Studies	2017
Christopher DeRosa, History and Anthropology	2018
Lisa Dinella, Psychology	2019
Pedram Danesghar, Biology	2020
Michele Van Volkom, Psychology	2021
Tina Paone, Educational Counseling	2022
Kathy Lionetti, Biology	2023
Cathy (Chiu-Yin) Wong, Curriculum & Instruction	2024

Faculty Leadership Award

In 2019 Faculty Council established the Eugene Simko Faculty Leadership Award to honor the late Gene Simko, former Faculty Council Chair and Associate Professor in the Department of Management and Leadership. The award recognizes individuals who best capture Professor Simko's substantial, diverse and enduring impact on Monmouth University.

Recipients since 2019, when the award was established:

Name	Year
Richard Veit, History and Anthropology	2019
James Mack, Biology	2020
Hettie Williams, History and Anthropology	2021
Datta Naik, Chemistry and Physics	2022
Saliba Sarsar, Political Science and Sociology	2023
Robin Mama, Social Work	2024

Awards

Donald Warncke Award

The Faculty Association of Monmouth (FAMCO) sponsors this award in memory of Donald Warncke, first president of FAMCO. Any member of the University community who has distinguished him- or herself through outstanding service over the years is eligible. Recipients through 2020 are:

Name	Year
Ann Nowick	1980
Carol Giroud	1981
Jack Christie	1982
George Smith	1982
Richard Steadman	1983
Alfred Brown	1984
Jane Freed	1985
Della Garrabrant	1985
Philip C. Donahue	1986
William T. Boylan	1988
Mary Abate	1989
Aldean Davis	1990
Rose Iovino	1991
Demetrius Markov	1992
C. Dale Haase	1993
Carol Neuer	1993
Deanna Scherrer	1994
Sandra G. Epstein	1995
Gertrude Murphy	1996
Marilyn Parker	1996
Susan Kuykendall	1997
John Bolton	1998
James Mack	1999
Debbie Mellish	1999
Marianne Seitz	2000
Vernon Churchill	2001
Richard Guilfoyle	2002
Thomas Murtha	2003
Ella Elizabeth Boyington	2004
Koorleen Minton	2004
Linda Silverstein	2005
Franca Mancini	2006
Annette Gough	2007

Doreen Brown	2008
Sandy Villa	2008
William Mitchell	2009
Brian Garvey	2010
Heather Kelly	2011
Richard Veit	2012
Reenie Menditto	2013
Margaret Del Guercio	2014
Brian Greenberg	2014
Susan Douglas	2015
Karen Wyant	2015
Wayne Elliott	2016
Kelly Ward	2016
Datta Naik	2017
Danielle Schrama	2018
Rebecca Raffa	2019
Information Management Division	2020
Kathy Maloney and Harold Hillyard	2021
Steph Ambrozy and Clementine Stevenson	2022
John Morano	2023
Bill Schreiber	2024

Stafford Presidential Award of Excellence

Established in 2003, this award is presented annually to the outstanding member(s) of the Monmouth University staff or administration as recognition for his or her tireless efforts, dedication, creativity, and evident commitment to supporting and enhancing Monmouth University. The award is named after Dr. Rebecca Stafford, who retired in 2003 after ten years of exceptional service as President.

Name	Year
Bertha Hughes	2003
Datta Naik	2003
Maureen Paparella	2003
Patricia L. Swannack	2004
Samuel A. Weir	2005
Saliba Sarsar	2006
Debbie Mellish	2007
Mary Anne Nagy	2007
Colleen Johnson	2008
Jean Judge	2009
Sharon Smith	2010
Kevin Roane	2011
James Reme	2012
Kristen Isaksen	2013
Kara Sullivan	2013
Corey Inzana	2014
Christine Benol	2015
Neva Lozado	2016
Luann Russell	2017
Gregory Viscomi	2017
Kathleen Stein	2018
William Hill	2019
Amanda Klaus	2020
Claude E. Taylor	2021
Anne Marie Lavin	2022
Betsy Lunney	2023
Bea Rogers and David Tsang	2024

UNDERGRADUATE ADMISSION

First-Time, First-Year Applicants

Admission to Monmouth is based upon many factors. Recognizing that each student is different, Monmouth makes every attempt to ensure that its selection process is as fair to each student as possible. The admission process is need-blind, i.e., a family's ability to pay for college is not considered.

Admission to the University is at the discretion of the Admission Committee under the guidance and supervision of the Assistant Vice President for Undergraduate Admission. The applicant pool for fall admission changes each year; admission guidelines are established based upon the applicant pool and strategic objectives of the University. Factors considered in the application review process include the high school transcript with focus on cumulative grade point average and rigor of course work, standardized test scores (when required), letter(s) of recommendation, essay, activities/work experience, community service, and leadership roles. (The Committee reserves the right to make admission exceptions on the basis of the student's overall application and potential for success at Monmouth University.)

Admission Requirements

A candidate for admission is required to:

1. be a graduate of an accredited secondary school or the equivalent;
2. have completed sixteen (16) Carnegie units to include the following: four units of English, three units of mathematics, two units of social studies, two units of science, and five additional units of academic electives chosen from the following areas: English, social science, science, humanities, world languages, and mathematics; and
3. satisfy the University's requirements for grade point average and/or standardized test scores (SAT or ACT*). *For the class entering in 2025, first-year applicants can choose either the **traditional** or **test optional** Application Review to best demonstrate their ability to succeed at Monmouth. Please visit monmouth.edu/testoptional (https://www.monmouth.edu/admission/undergraduate/how-to-apply/) to learn more.

The application deadlines for first-time, full-time students are as follows:

The application deadline for early decision is November 15. Early decision is a binding admission program geared toward students who meet the overall criteria for admission and have a strong desire to enroll at Monmouth. Early decision candidates will be notified of an admission decision by December 15. Applicants who are offered admission through the early decision program are asked to withdraw all other applications to other colleges and universities and accept the offer of admission. Applicants may be offered admission, denied admission, or returned to the regular applicant pool for further consideration.

The application deadline for early action is December 1. Early action is a non-binding program geared toward students who meet the overall criteria for admission and have a strong desire to enroll at Monmouth. Early action candidates will be notified of an admission decision by January 15. Applicants may be offered admission, denied admission, or returned to the regular applicant pool for further consideration.

The application deadline for regular decision is March 1. This is the final application deadline for first-time, full-time students. Students who wish to apply for regular admission may file their credentials any time after the start term of their senior year. Applications received after the March 1 deadline will be considered on a space-available basis. Regular decision candidates who complete an application by March 1 will be notified of an admission decision by April 1.

The application deadline for Nursing (BSN freshman applicants) is December 1; this program may have special requirements. BSN candidates who complete an application by December 1 will be notified of an admission decision by February 1. Refer to the current Monmouth University Application for Undergraduate Admission for information. This program has a Fall-only application.

The application deadline for the 3+3 B.S. in Health Studies/Doctor of Occupational Therapy (OTD) program is December 1 and may have special requirements. Candidates for this program who complete an application by December 1 will be notified of an admission decision by February 15. An interview is required for this application; qualified candidates will be offered the opportunity to interview based on their academic credentials. Refer to the current Monmouth University Application for Undergraduate Admission for information. This program has a Fall-only application.

The application deadline for the 3+3 B.S./B.A. with M.S. in Physician Assistant is December 1 and may have special requirements. Candidates for this program who complete an application by December 1 will be notified of an admission decision by February 15. An interview is required for this application; qualified candidates will be offered the opportunity to interview based on their academic credentials. Refer to the current Monmouth University Application for Undergraduate Admission for information. This program has a Fall-only application.

Enrollment deposits are required of all undergraduate students who are accepting offers of admission to the University. Seats in the fall, first-year class are often filled by the May 1 National Candidates' reply date. Therefore, full-time, first-year students should submit the enrollment deposit by May 1.

First-year students may also apply for spring semester admission; the deadline for spring semester applications is December 1. First-year, full-time students who are entering in the spring semester should also submit the enrollment deposit as soon as possible in order to confirm intention to enroll.

Part-Time and Transfer Students

The priority application deadline for the fall semester is July 15, after which decisions become rolling. The priority application deadline for the spring semester is December 1, after which decisions become rolling. Applications are accepted on a space-available basis after these priority deadlines.

Adult Students (24 Years of Age or Older)

The application deadline for the fall semester is July 15. The application deadline for the spring semester is December 1.

An enrollment deposit is not required for part-time students; however, students must return an enrollment confirmation form to indicate intent to enroll.

Admission Procedures

1. Undergraduate applicants apply through the Common Application (https://www.commonapp.org) or through the Monmouth University application (monmouth.edu/apply). Applications should

be completed in full and submitted to Monmouth University. A nonrefundable application fee of $60 is requested with the application.

2. The secondary school of the applicant should forward an official transcript to the Office of Admission Processing.
3. Official SAT or ACT* score reports should be submitted for those applying through the Traditional Application plan. Test results may be either included on the official transcript provided by the applicant's secondary school or may be forwarded to Monmouth directly by the testing service. Monmouth University's code number for the SAT is 002416. The ACT code is 2571.

*For the class entering in 2025, first-year applicants can choose either the **traditional** or t**est optional** application review to best demonstrate their ability to succeed at Monmouth. Please visit monmouth.edu/testoptional (https://www.monmouth.edu/admission/undergraduate/how-to-apply/) to learn more and decide on the best path for you.

4. At least one letter of recommendation from a high school teacher or counselor is requested for all freshman applicants.

5. An essay should be submitted by all freshman applicants. *Please note: certain direct-entry programs require a program-specific essay. Please refer to the application for more information.*

6. Applicants who have satisfactorily completed the General Educational Development (GED) or equivalent test in lieu of high school graduation should request that an official score report be sent directly to the Monmouth University Office of Admission Processing. The scores can be obtained by contacting the New Jersey Department of Education.

7. All matriculating undergraduate students must complete the required medical forms prior to registration. Instructions on how to submit medical forms will be forwarded to students after the enrollment deposit is received by the University. All required immunizations must meet current University policies.

Credit Accumulation

Advanced Standing

Monmouth University grants college credit (Advanced Standing) for secondary school courses that have been validated by the Advanced Placement Examination Board. In most cases, credit is awarded for Monmouth University course equivalents of the subject matter covered by the examination when the AP examination scores are 3, 4, or 5. See the Advanced Placement Exams chart (p. 20) for specific Monmouth equivalencies.

Monmouth University accepts International Baccalaureate (IB) Diploma Program Credit based on Higher Level examination achievement. Scores of a 5, 6, or 7 must be earned in order to receive credit for the IB. International Baccalaureate courses are graded on a scale of 1 (minimum) to 7 (maximum). Official IB transcripts should be forwarded to the Office of Undergraduate Admission for official evaluation. Monmouth does not grant IB credits for subjects taken at the Standard Level.

Students will be given credit in specific subject areas on a course-by-course basis; credit policies will be determined by the academic department to which the credit will be transferred. Please refer to the International Baccalaureate chart (p. 21) for specific Monmouth equivalencies.

Monmouth University will grant three (3) credits as a Political Science elective for students who enroll at Monmouth University and who have successfully completed The American Legion Jersey Boys State Program (ALJBS).

Credits in Escrow

Monmouth University provides a taste of college life as well as a head start in college for secondary school students who have completed at least their junior year. Credits earned are held in escrow and may be applied toward a degree at Monmouth after the student is matriculated as a regular student, or they may be transferred. By taking advantage of this opportunity and with careful planning of course sequences, it may be possible for a student to complete requirements for a baccalaureate degree in three calendar years.

Monmouth University also grants credit for college courses taken at another accredited institution while the student was still attending high school. In order to evaluate credit, official transcripts must be submitted from that institution for evaluation.

Homeschooled Students

A candidate for admission who has been homeschooled is asked to follow these guidelines in the application process. Please note that all homeschooled students are required to meet their home state requirements and submit appropriate supporting documentation demonstrating that they have done so, should they be asked to do so by Monmouth University. Applicants should:

1. Complete the Common Application (https://www.commonapp.org/) or Monmouth University application in full and submit to Monmouth University.
2. Submit the nonrefundable application fee.
3. Submit one of the following credentials:
   a. Transcript from a homeschool program, private school, or primary teacher. Please note that if any part of your high school education was completed in a conventional public or private high school, Monmouth University requires the transcript of that academic work be sent directly from the registrar of that school. Additionally, if you have completed any college-level course work while in high school or to satisfy graduation requirements, submit all official transcripts. If course work is still in progress, submit a course schedule.
   b. Portfolio of academic work completed to include syllabi, list of textbooks used, academic curriculum outline, and any other documentation of academic work completed. The portfolio must include grade evaluations by the primary teacher. Also required with the portfolio is Monmouth University's Curriculum Chart for Homeschooled Students. All students who apply to Monmouth University must demonstrate that they have completed the following Carnegie Units: four units of English, three units of mathematics, two units of social studies, two units of science, and five additional units of academic electives chosen from the following areas: English, social studies, science, humanities, foreign languages, and mathematics.
4. Submit at least one letter of recommendation.
5. Submit official standardized test scores if applying through the Traditional Application plan—either SAT or ACT. Score reports must be sent directly from the testing agency. Monmouth's SAT code is 002416. Monmouth's ACT code is 2571.

Credits Awarded for Advanced Placement Exams

AP Exam	AP Score	Monmouth Credit Awarded for	Credits
African American Studies	3,4,5	ADS-246	3
Art-Drawing Portfolio	4, 5	AR-191	3
Art-Gen Portfolio	4, 5	AR-001	3
Art-Gen Portfolio	3	Apply to Department	0
Art-History of	4, 5	AR-241	3
Art-Studio Art 2-&3-d Port.	3, 4, 5	Apply to Department	0
Biology	3	BY-104	3
Biology	4, 5	BY-110	4
Calculus AB	3	No Credit	0
Calculus AB	4, 5	MA-125	4
Calculus BC	3	MA-125	4
Calculus BC	4, 5	MA-125 and MA-126	8
Chemistry	3	CE-101	3
Chemistry	4, 5	CE-111/CE-111L/CE-111R	5
Chinese	3	FO-002	3
Chinese	4, 5	FO-002	6
Computer Science A Exam	4, 5	CS-175 and CS-175L	4
Computer Science Principles	4, 5	CS-001	3
Environmental Science	3, 4, 5	BY-220	3
European History	3	FE-001	3
European History	4, 5	HS-102	3
French	3	FF-201	3
French	4, 5	FF-201 and FF-202	6
French Literature	4, 5	FF-301	3
German	3	FG-201	3
German	4, 5	FG-201 and FG-202	6
Govt. & Politics Comparative	3, 4, 5	PS-102	3
Govt. & Politics U.S.	3, 4, 5	PS-103	3
Human Geography	3	FE-001	3
Human Geography	4, 5	GO-101	3
Italian	3	FI-201	3
Italian	4, 5	FI-201 and FI-202	6
Japanese	3	FO-002	3
Japanese	4, 5	FO-002	6
Language & Comp	3, 4, 5	EN-101	3
Latin (until 7/2021)	3	FL-002	3
Latin (until 7/2021)	4, 5	FL-002	6
Latin Literature	3	FL-002	3
Latin Literature	4, 5	FL-003	3
Literature & Comp	3	EN-001	3
Literature & Comp	4, 5	EN-202	3
Macroeconomics	3, 4, 5	BE-202	3
Microeconomics	3, 4, 5	BE-201	3
Music Theory	4, 5	MU-221	3
Physics 1	3	PH-101	3
Physics 1	4, 5	PH-105 and PH-105L	4
Physics 2	3	PH-101	3
Physics 2	4, 5	PH-106 and PH-106L	4
Physics C Mech	3	PH-101	3
Physics C Mech	4, 5	PH-211 and PH-211L	5
Physics C E & M	3	PH-101	3
Physics C E & M	4, 5	PH-212 and PH-212L	5
Precalculus	4, 5	MA-109	3
Psychology	4, 5	PY-103	3
Research	3, 4, 5	Apply to Department	3
Russian (until 6/2023)	3	FO-002	3
Russian (until 6/2023)	4, 5	FO-002	6
Seminar	3, 4, 5	Apply to Department	3
Spanish	3	FS-201	3
Spanish	4, 5	FS-201 and FS-202	6
Spanish Literature	4, 5	FS-301	3
Statistics	3, 4, 5	MA-151 or CJ-211	3
U.S. History	3	FE-001	3
U.S. History	4, 5	HS-202 (History Majors Only)	3 OR
U.S. History	4, 5	FE-001 (Non-History Majors)	3
World History	3	FE-001	3
World History	4, 5	HS-101 or HS-102	3

International Baccalaureate Credit Acceptance

Subject	IB Level/Score	Course Equivalent	Credits
Best Language			
English	Higher Level (HL) 5, 6, or 7	EN-201 or EN-202 [1]	3 credits
Second Language			
Languages	Higher Level (HL) 5	F_201 & 202 [2]	6 credits
	Higher Level (HL) 6 or 7	F_ 201, 202 [2] and 300A or 300B	9 credits
Individuals and Societies			
Anthropology	Higher Level (HL) 5, 6, or 7	AN-103	3 credits
Business Management	Higher Level (HL) 5, 6, or 7	BM-250	3 credits
Classical Greek	Higher Level (HL) 5, 6, or 7	ZZ-001	3 credits
Economics	Higher Level (HL) 5, 6, or 7	BE-200	3 credits
Geography	Higher Level (HL) 5, 6, or 7	GO-101	3 credits
Global Politics	Higher Level (HL) 5, 6, or 7	PS-102	3 credits
History	Higher Level (HL) 5, 6, or 7	HS-102 [3]	3 credits
Information Technology	Higher Level (HL) 5, 6, or 7	IT-100	3 credits
Islamic History (until 7/2021)	Higher Level (HL) 5, 6, or 7	HS-102 [3]	3 credits
Philosophy	Higher Level (HL) 5, 6, or 7	PL-001 Philosophy free elective [4]	3 credits
Psychology	Higher Level (HL) 5, 6, or 7	PY-103	3 credits
Experimental Sciences			
Biology	Higher Level (HL) 5	BY-104	3 credits
	Higher Level (HL) 6 or 7	BY-110 & BY-111	8 credits
Chemistry	Higher Level (HL) 5 or 6	CE-101	3 credits
	Higher Level (HL) 7	CE-111, CE-111L, & CE-111R	5 credits
Computer Science	Higher Level (HL) 5, 6, or 7	CS-175 & CS-175L	4 credits
Design Technology	Higher Level (HL) 5, 6, or 7	ZZ-001	3 credits
Digital Society	Higher Level (HL) 5, 6, or 7	ZZ-001	3 credits
Environmental Systems and Societies (until 7/2021)	Higher Level (HL) 5	BY-103	3 credits
	Higher Level (HL) 6 or 7	BY-109 & BY-220	7 credits
Physics	Higher Level (HL) 5	PH-101	3 credits
	Higher Level (HL) 6 or 7	PH-105 & PH-105L	4 credits
Sports, Exercise & Health Science	Higher Level (HL) 5, 6, or 7	HE-002	3
Mathematics			
Mathematics (until 8/2021)	Higher Level (HL) 5, 6, or 7	MA-001 Mathematics free elective [3]	3 credits
Mathematics Applications & Interpretation	Higher Level (HL) 5, 6, or 7	MA-001	3 credits
Mathematics Analysis & Approaches	Higher Level (HL) 5, 6, or 7	MA-001	3 credits
The Arts			
Dance	Higher Level (HL) 5, 6, or 7	DA-001 Dance free elective [4]	3 credits
Film	Higher Level (HL) 5, 6, or 7	CO-241	3 credits
Music	Higher Level (HL) 5, 6, or 7	MU-001 Music free elective [4]	3 credits
Theatre	Higher Level (HL) 5, 6, or 7	TH-001 Theatre free elective [4]	3 credits
Visual Arts	Higher Level (HL) 5, 6, or 7	AR-001 Arts free elective [4]	3 credits

[1] *Students must apply to department for specification of course.*
[2] *Specific language course code will be determined on an individual basis.*
[3] *Students may apply to the department to specify course as alternate 100-level course.*
[4] *Students may apply to the department for evaluation for specific course credit.*

Transfer Applicants

Monmouth University welcomes applications from transfer students who are in good academic standing at other accredited colleges or universities. Students from non-accredited colleges may be admitted if they satisfy the admission requirements of Monmouth University. Students with a cumulative GPA of 2.25 or better will be considered for admission to the University. Students pursuing a major within the School of Education must have a minimum GPA of 3.0 according to New Jersey State Guidelines. Please refer to the School of Education section of this catalog for additional State guidelines. Admission is determined by successful completion of course work over time and is not automatic; there may be instances when a student with a 2.25 GPA or greater will not be offered admission. Students who have been dismissed for academic reasons will not be considered for acceptance by Monmouth University until at least one academic semester has elapsed following their dismissal. Students suspended for disciplinary reasons

from another institution must serve the term imposed by that suspension before Monmouth University will consider their application for admission.

Students offered provisional admission must be nonmatriculated and part-time. Conditions imposed on such students are as follows:

- they may earn no more than eighteen credits in that status and may carry no more than nine (9) credits per semester;
- they must reapply for admission after earning twelve to eighteen credits at Monmouth in order to matriculate and continue taking courses at the University.

Admission as a matriculating student is contingent upon successful completion of course work. (See the Changing from Non-Matriculated to Matriculated Status (p. 64) section of the catalog for more details.)

The priority application deadline for the spring semester is December 1, after which admission becomes rolling. The priority application deadline for the fall semester is July 15, after which admission becomes rolling. If a student has attempted and received grades in twenty-four credits or more at or above the 100-level, the University will only look at the student's collegiate course work in determining admission. If a student has fewer than twenty-four credits, an official high school transcript is requested; such applicants may also submit official SAT or ACT scores.

Transfer students must send official transcripts from all institutions attended previously, regardless of whether or not credit for such work is desired or expected. Final transcripts from previous institutions attended must be received by Monmouth University prior to beginning enrollment. Students who do not provide official transcripts will not be permitted to continue at Monmouth. Failure to declare attendance at any postsecondary institution where registration occurred may lead to disciplinary action and/or dismissal. When applying for transfer credit, students may be requested to submit official course descriptions.

Articulation Agreements

Monmouth University currently has program articulation agreements with Brookdale Community College, Ocean County College, Mercer County Community College, Raritan Valley Community College, and Union County College. Similar agreements may be in development with other two-year colleges. If you are interested in one of the existing agreements, please contact either the Office of Undergraduate Admission at 732-571-3456 or Transfer Services in the Center for Student Success (CSS) at 732-571-3588.

Credit Transfer

Transfer students who have been admitted to the University will receive an official transfer credit evaluation. Students who fail to declare attendance at any postsecondary institution where they had been registered automatically waive the right to have that work considered for transfer credit and are subject to disciplinary action and/or suspension. Grades earned at previous institutions are not reflected in the Monmouth University grade point average (GPA). (Education majors may transfer a maximum of six professional credits from a two-year school.) Due to the individual review process required for evaluating music and art course work, students in these disciplines may require an audition or a portfolio review to determine equivalency for certain course work. Students attending an accredited two-year institution in New Jersey may find transfer equivalencies through the New Jersey Transfer Initiative (http://www.njtransfer.org).

All candidates for bachelor's degrees must complete the University's general education requirements. Note that the course type(s) associated with a course are specific to course work taken at Monmouth University. Courses earned through transfer equivalency will not automatically earn the course type associated with the Monmouth University course equivalent. For instructions on how to have a transfer course reviewed to fulfill the General Education requirements of Technological Literacy (TL), Reasoned Oral Discourse (RD), Interdisciplinary Studies (ISP), Cultural Diversity (CD), Global Understanding (GU), or Experiential Education (EX), students should contact the Director of Transfer Student Services and Undeclared Students and may also refer to the general education transfer equivalencies (p. 23) for more details. Prospective students may contact the Office of Undergraduate Admission for further information.

For undergraduate students who attended accredited (by the Commission on Higher Education) two-year community or county colleges, the following applies:

1. Students transferring from a two-year institution may use up to sixty-nine transfer credits toward a baccalaureate degree at Monmouth University, providing these credits fulfill degree requirements. Students who attended both two-year and four-year institutions may apply a maximum of twenty-one additional credits at the 200-level or higher (as determined by the four-year institution where these courses were taken) toward baccalaureate degree requirements at Monmouth University, providing these credits fulfill degree requirements. Students who attended only a four-year institution may apply a maximum of ninety credits toward a baccalaureate degree at Monmouth University, providing these credits fulfill degree requirements.
2. Full-time students at accredited community or county colleges who have maintained continuous semester-to-semester attendance and who graduate in five or fewer semesters in AA, AS, or AAS (nursing only) degree programs will be considered for acceptance as transfer students at Monmouth University. Provided such students begin their enrollment at Monmouth in the first or second semester immediately following their graduation from the two-year institution, they may elect to follow the Monmouth University curriculum that was in effect at the time they entered the two-year college. Students must request matriculation in the prior catalog by writing to the Office of the Registrar within the first semester of attendance. Please be aware that accreditation or state mandate may make a program unavailable.
3. All other graduates of accredited community or county colleges who have earned AA or AS degrees (full-time students taking more than five semesters to graduate or part-time students) will be considered for acceptance as transfer students at Monmouth University. Provided such students begin their enrollment at Monmouth in the first or second semester immediately following their graduation from the two-year institution, they may elect to follow the Monmouth University curriculum that was in effect four semesters prior to their enrollment at Monmouth.

For all other undergraduate students who attended accredited (by the Commission on Higher Education) institutions, courses are transferred as follows:

1. Only courses in which earned grades were "C" or higher will be accepted. Furthermore:
   a. No remedial courses will be accepted.
   b. A maximum of four (4) physical education credits may transfer for non-health physical education majors. Health/Physical Education and Health/Physical Education with an Endorsement

in Education majors may transfer six (6) credits in physical education course work.

c. No personal development or vocational (e.g., secretarial, automotive) courses, unrelated to degree programs at Monmouth University, will transfer. (The designation “vocational” will be determined by the course description/syllabus, not necessarily by the discipline designation assigned at the previous institution.)

d. Courses that are more than five years old may be declined by the major department, but only in cases where the subject matter of these courses has undergone significant and substantial additions/revisions.

e. Monmouth will accept transfer credit for classes indicated as "Pass" or "Satisfactory" provided that the sending institution's policy states that the "Pass" or "Satisfactory" grade is equivalent to a grade of "C" or better. Credit for courses from institutions with a policy that also allows "C-" or "D" grades to be included will be evaluated on an individual basis. Students should be prepared to submit additional documentation.

2. Courses will transfer in at the Monmouth University equivalent.
3. Each transfer student must complete at least the last thirty credits at Monmouth University, of which fifteen credits must be in the major. For business administration majors, at least fifty percent of their business requirements (business core and concentration[s]) must be completed at Monmouth University. For other graduation and residency requirements, please refer to the Academic Programs, Support Services, and Regulations (p. 43) section of this Catalog.
4. Students changing majors will have their transfer credits re-evaluated by the new major department.
5. Undergraduate students who attended a study abroad program through their former institutions may be eligible for Experiential Education credit at Monmouth. The student must have earned a minimum of six credits at the foreign institution, with grades of “C” or better. The study abroad courses must be noted on the academic transcript of the American institution and annotated as “study abroad.” See the Office of the Registrar for additional information.

For undergraduate students who attended non-foreign, nonaccredited programs:

Courses other than nursing courses will transfer automatically only if a formal document of course equivalencies exists that was previously adopted by the University. When a formal document does not exist, courses taken in these nonaccredited programs will be evaluated on a case-by-case basis by the appropriate departments to determine acceptability for transfer. In all instances, conditions one through four above apply.

Nursing courses will transfer as described within the Nursing and Health Studies section of this Catalog. Non-nursing majors who have graduated from a diploma nursing school may transfer nursing courses by taking as many as four ACT/PEP tests as specified by the School of Nursing and Health Studies at Monmouth University. Each successfully passed examination may transfer as eight credits (8) of lower-division nursing courses. These credits may apply to the requirements of the major program as applicable. Students should consult with their major department chair for details.

For undergraduate students who attended foreign institutions:

The Monmouth University Transcript Evaluator will evaluate credits submitted from foreign institutions. Transcripts that are not in English must be translated and evaluated by a reputable credential evaluation service, including members of the National Association of Credential Evaluation Services (NACES). Course descriptions in English must accompany transcripts. In all instances, conditions one through four above apply to foreign courses. Students may, upon request, be required to have previous academic work validated, at the students’ expense, through an outside credential evaluation service.

For undergraduate students who have served in the military:

Students who have completed basic training in any of the Armed Forces will automatically receive one (1) credit in physical education activities and one (1) credit of health by virtue of that experience and presentation of official discharge documentation. Other credits earned while in the military may be considered for transfer credit upon presentation of official military transcript documentation to the Office of Undergraduate Admission.

Fire Academy Transfer Policy

Students who successfully complete a New Jersey Fire Academy program prior to enrolling in Monmouth University will be awarded six (6) Homeland Security free elective credits. Once matriculated into Monmouth University, no fire academy credits will be awarded to students who subsequently enter a New Jersey Fire Academy.

Police Academy Transfer Policy

Students who successfully complete a New Jersey Police Academy program prior to enrolling in Monmouth University will be awarded six (6) Monmouth University credits (CJ-101 Introduction to Criminal Justice (3 cr.), and CJ-225 Law Enforcement (3 cr.)). Once matriculated into Monmouth University, no police academy credits will be awarded to students who subsequently enter a New Jersey Police Academy.

Emergency Medical Technician (EMT) Training Credit

Students who successfully complete EMT training will be awarded five (5) total Monmouth University credits – three (3) credits of Biology free electives (and two (2) credits for PE-201 First Aid/CPR/AED Certification (2 cr.). Students wishing to be awarded credit should present an active certification identification card to the Transcript Credit Evaluator.

American Council on Education (ACE)

Credit for course work that appears on an official American Council on Education (ACE) transcript with a recommendation for credit at the baccalaureate degree level will be awarded at the discretion of the University. The ACE recommendation does not guarantee that Monmouth University credit will be awarded.

Transfer Equivalencies for General Education Requirements

Monouth University Requirement	Transfer Equivalencies
1. **Reading & Writing – Six credits** (EN-101 and EN-102)	Any two three-credit English composition courses with similar content. Remedial English courses are not accepted.
2. **Mathematics – Three credits** (“MA,” except MA-050 or MA-101)	Three credits from subject MA excluding MA-050 and MA-101.

3. **Natural Sciences – Six credits** (Course type "NS")	Any two natural science courses (minimum six credits) in biology, chemistry, geology, physics, or science.
4. **Literature – Three credits** (Course type "LIT")	Any three-credit, 200-level or above literature survey course.
5. **Aesthetics & Creativity – Three Credits** (Course type "AT")	Any three-credit course in art, dance, music, or theatre.
6. **Technological Literacy – Three Credits** (Course type "TL")	Any three-credit course designed to develop the knowledge, skills, and abilities necessary to effectively and responsibly use Information Technology.
7. **Reasoned Oral Discourse – Three Credits** (Course type "RD")	Any three-credit course emphasizing both public speaking (or oral presentation) and critical analysis of disciplinary material.
8. **Historical Perspective – Three Credits** (Course type "HS.SV")	Any three-credit history survey course that is not a U.S. History course.
9. **Social Sciences – Three Credits** (Course type "SS.SV")	Three credits in any of the following: anthropology, economics, geography, political science, sociology, psychology, or Gender Studies GS-225.
10. **Historical Perspective or Social Sciences – Three Credits** (Course type "HS.SV or "SS.SV")	Any three-credit history survey course OR three credits in social sciences as listed above.
11. **Interdisciplinary Studies – Three Credits** (Course type "ISP")	A three-credit senior-level course that involves an interdisciplinary approach to evaluate ethical and social issues.
12. **Cultural Diversity – Three credits** (Course type "CD")	Any three-credit course that deals primarily with issues of gender, race, ethnicity, or socio-economic status.
OR	
Global Understanding – Three credits (Course type "GU")	Any three-credit course that deals primarily with cultures and societies outside of the United States.
13. **World Language - Three Credits** (1, 2)	Any three-credit World Language (which includes American Sign Language) course.
14. **Experiential Education – Zero credits** (Course type "EX")	To be determined on an individual basis.
15. **Writing Intensive – Zero credits** (two courses from within the Major designated with course type "WT")	Writing Intensive courses must be completed at Monmouth University. Extraordinary cases will be heard and determined by the Writing Committee.

[1] *Students with a documented disability may contact the Disability Services for Students office to discuss a possible course substitution.*

[2] *Transfer students entering in 2023-24 and 2024-25 who transfer in courses consistent with Monmouth's previous general education requirements may have fulfilled this requirement. Contact Transfer & Undeclared Services office for more information.*

Alternative Credit Options

Credits Awarded for College Level Examination Program (CLEP) [4]

General Exams[1]	Monmouth Credit Awarded for	Credits
EN-100 College Composition Modular (new 7/2010)	Apply to department	TBD
EN-101 College Composition (new 7/2010)	EN-101 College Composition I	3
MA-001 College Mathematics	MA-001 Math elective	3
EN-100 English Composition (until 7/2010)	Apply to Department	TBD
EN-101 English Comp w/Essay (until 7/2010)	EN-101 College Composition I	3
HU-100 Humanities	FE-001 Free Elective	3
PH-001 Natural Sciences	PH-001 Physics Elective	3
SS-001 Social Sciences & History	SS-001 Social Science Elect	3

Subject Examinations[2]	Monmouth Credit Awarded for	Credits
Composition and Literature		
EN-208 American Literature (until 07/2011)	EN-228 Foundations of American Lit.	3
EN-208 American Literature (new 07/2011)	EN-202 Literature II [3]	3
EN-000 Analysis & Interpretation of Literature	No Credit	0
EN-206 English Literature (until 07/2011)	EN-227 Foundations of British Lit.	3
EN-206 English Literature (new 07/2011)	EN-202 Literature II	3
EN-101 Freshman College Composition (until 07/2010)	No Credit	0
Foreign Languages		
FF-001 French Language	FF-201 Intermediate French I	3
FG-001 German Language	FG-201 Intermediate German I	3
FS-001 Spanish Language	FS-201 Intermediate Spanish I	3
History and Social Sciences		

PS-001 American Government	PS-103 American National Government	3
HS-103 History of US I	HS-201 US History I	3
HS-104 History of US II	HS-202 US History II	3
PY-203 Human Growth & Development	PY-203 Child Psychology	3
PY-201 Intro to Educational Psychology	PY-201 Educational Psychology	3
BE-202 Principles of Macroeconomics	BE-202 Macroeconomics	3
BE-201 Principles of Microeconomics	BE-201 Microeconomics	3
PY-103 Introduction to Psychology	PY-103 Intro to Psychology	3
SO-101 Intro to Sociology	SO-101 Intro to Sociology	3
HS-101 Western Civilization I	HS-101 West Civ. World Perspective 1	3
HS-102 Western Civilization II	HS-102 West Civ. World Perspective 2	3
Science and Mathematics		
MA-001 Trigonometry (Until 2006)	MA-001 Math Elective	3
MA-101 College Algebra	MA-101 College Algebra	3
MA-109 College Algebra-Trigonometry (until 2006)	MA-109 Pre-Calculus Math	4
MA-109 Pre-Calculus (new 2007)	MA-001 Math Elective	3
MA-112 Calculus with Elem. Func. (until 2006)	MA-118 Quantitative Analysis Bus. II	3
MA-118 Calculus	MA-118 Quantitative Analysis Bus. II	3
BY-101 Biology	BY-101 Issues & Methods of Bio.	3
	or BY-102 Applied Biotech	
	or BY-103 Environmental Science	
	or BY-104 Human Biology	
CE-111 and CE-112 Chemistry	CE-111 Gen Chemistry I and Lab	4
	CE-112 Gen Chemistry II and Lab	4
Business		
CS-001 Info Sys & Comp Apps.	IT-100 Information Technology	3
	or IT-102 Information Tech. for Scientists	
BA-251 Financial Accounting (new 07/2007)	BA-251 Principles of Financial Acctg.	3
BA-101 Principles of Accounting (until 06/2007)	BA-251 Principles of Financial Acctg.	3
BL-201 Introduction to Business Law	BL-201 Legal Environment of Business I	3
BK-250 Principles of Marketing	BK-250 Principles of Marketing	3
BM-250 Principles of Management	BM-250 Principles of Management	3

[1] *Monmouth University grants three credits for each of the five General Examinations, completed with a minimum score of 52. CLEP exams taken prior to July 1, 2001, require a minimum score of 481.*

[2] *Monmouth University grants credit to the subject matter covered by the examination when the score is at or above the fiftieth percentile.*

[3] *EN-202 Literature II: Neoclassical to the Present (3 cr.) equivalent for non-English majors only.*

[4] *Monmouth University does not accept CLEP test results after a student has been enrolled.*

Credit by Examination

Credit by Examination is a process for granting academic credit for a life experience with an academic parallel. The term “life experience” connotes a learning experience equivalent to an academic course in an accredited institution on the college level. Credits obtained by examination are accorded the same status as transfer credit and consequently are not used in the computation of the grade point average. Credit by examination is counted as part of the maximum allowable transfer credits for an academic program. Undergraduate students earning credits by examination for languages cannot use these credits to satisfy the cultural diversity (CD), global understanding (GU) or world language (WL) general education requirement.

Interested students should apply to the appropriate academic departments. Details about these procedures are available in the Office of the Registrar.

Applied Music

Applied Music is private instruction in a particular instrument or voice. The student should discuss his/her desire to take applied music with a Monmouth University music faculty member and then register directly in the Music Department. The student may earn as many as six (6) credits in Applied Music and will be awarded the credit after successful completion of the lessons and the payment of the credit by examination fee. Credit for Applied Music will be treated in the same manner as credit by examination (see above).

Additional guidelines are available online on the Office of the Registrar forms Web page (http://www.monmouth.edu/registrar/forms.asp).

Prior Learning/Portfolio Assessment Program

Students who have been working, managing a home, volunteering in the community, traveling, serving in the military, or studying independently may have acquired some college-level learning from these experiences.

It is possible to have this learning evaluated and receive credit. Credit is granted for learning rather than the experience itself, and is awarded

when the learning is closely related to the subject matter of a Monmouth course. Students who wish to earn credit for learning from work and life experience will be asked to prepare a portfolio that describes and documents that learning. Additional information is available from the Office of the Registrar.

Former Students Applying for Readmission

Readmission to the University

Former Monmouth University students not on an official Leave of Absence who have not attended the University for at least one semester must submit an application for readmission and submit an application fee. Applications can be found on the Monmouth University Web site (https://www.monmouth.edu/apply-now/) at monmouth.edu/apply. For students with a grade point average below 2.0, the Academic Standards and Review Committee will evaluate the student's (course) plan and application and provide recommendations regarding admission. If the applicant has attended another institution in the interim, the applicant must have an official transcript forwarded to the Office of Admission Processing. Students will be re-evaluated based upon the full academic record and will be advised if further information is needed.

Readmission to the University after Academic Dismissal

Students who have been academically dismissed may apply for readmission. Review of the application and the ensuing decision is made by the Academic Standards and Review Committee. Previously dismissed students seeking readmission must have been away from the University for one full semester. Students who have been dismissed twice may apply for readmission after a minimum of three years. Application must be made through the Office of Admission.

Application for Academic Amnesty

(See Academic Amnesty (p. 59).)

Visiting Students

Visiting students from other institutions must apply online through the Undergraduate Permission Enrollment Application (https://apply.monmouth.edu/register/PNMapplication/). Students must be in good academic and disciplinary standing at their home institution and must receive permission from that institution as part of the application process in order to enroll in a course at Monmouth. Admission as a visiting student does not constitute admission as a matriculated student. Eligible rising high school juniors and seniors may apply to enroll in college-level course work at Monmouth University. Eligibility will be determined by the Office of Undergraduate Admission based on a review of the student's academic credentials.

Adult Applicants

Monmouth University endeavors to support lifelong learning by providing services and programs—degree and nondegree, credit and noncredit—that enable nontraditional students to meet their varied educational needs and goals.

Program 65 affords opportunity for persons 65 years of age or older who meet admission criteria to enroll for study at Monmouth University at reduced tuition (please visit the Monmouth University website for current tuition discount). Admission requirements include the designated nonrefundable application fee and proof of age as well as all application requirements. Enrollment is on a space-available basis. Those interested in learning more about Program 65 may contact the Office of Undergraduate or Graduate Admission.

Applicants with Disabilities

Monmouth University welcomes applications from persons with disabilities, complying with the requirements of the Rehabilitation Act of 1973 and the Americans with Disabilities Act. Students who wish to utilize available accommodations and services provided by the University must submit current and adequate documentation related to their disability to the Department of Disability Services for Students.

All applicants, including students with disabilities, must meet all University admission requirements. You are not required to disclose a disability, nor should you submit documentation of your disability with your application materials. If information is provided, it is not used in admission decisions and will be forwarded to the Department of Disability Services for Students. You are welcome to contact that office at 732-571-3460 to speak with a staff member about how they may be able to assist you. Monmouth University can also be contacted by using the New Jersey Telecommunications TTY Relay Services Operator at 800-852-7899.

International Applicants

International applicants must meet three basic criteria before being accepted and issued an I-20 Form:

1. demonstration of academic ability,
2. English language proficiency, and
3. sufficient financial support.

Applicants for admission whose native language is not English must demonstrate English language proficiency. Such proficiency may be demonstrated by submitting an official score report from one of the following standardized tests and meeting the minimum score requirements. Students who have completed the equivalent of a baccalaureate or master's degree at an accredited institution in a native, English-speaking country may be exempt from these standardized testing requirements. For a current list of additional ways to meet the English language proficiency requirement please contact the Admission Office at 732-571-3456.

Standardized Test	Minimum Score Requirement
TOEFL (Test of English as a Foreign Language)[1]	79 (Internet-based version)
IELTS (International English Language Testing System)[1]	6 (with no less than a score of 5.5 on any section)
MELAB (Michigan English Language Assessment Battery)[1]	77
ESOL (Cambridge University English for Speakers of Other Languages)[1]	Certificate of Advanced English (CAE) - A B2 constitutes a passing grade

[1] *Note that exceptions to minimum score requirements for graduate programs may be made upon recommendation of the graduate program director within the student's major department and with approval from the*

Provost's Office. Monmouth also requires a student's academic profile to meet regular standards for admission.

Monmouth University will also accept international students who meet Monmouth's regular standards for admission and who have successfully completed the ELS Language Services program at the master's level of English proficiency, which is completion of Level 112, in lieu of the TOEFL or other English proficiency exam. Conditional acceptance may be issued by Monmouth University to those students who elect to prove English proficiency by enrolling in and completing ELS Level 112.

In order to obtain the nonimmigrant Certificate of Eligibility (Form I-20), all accepted international applicants are required to provide financial documentation, such as bank statements, attesting that sufficient funds are available to support the period of study for the degree at Monmouth. To obtain a copy of the Application for Form I-20 and instructions, visit our International Students Information page (http://www.monmouth.edu/admission/graduate/international.asp). This document is required and must be completed before the Form I-20 can be issued.

Undergraduate applicants who have attended a school outside of the United States must submit official evidence of secondary school completion and certified original copies of national examination results where applicable.

International undergraduate freshman applicants from English-speaking countries must take the SAT or ACT and meet regular standards for admission. To learn from which countries the SAT/ACT is required, please visit our TOEFL Requirements page (http://www.monmouth.edu/admission/international/toefl.asp).

International Transfer Applicants

Credentials submitted from foreign institutions will be evaluated by the Transcript Evaluator for credit transfer. Official college transcripts for all college-level work, regardless of whether the credit will be transferrable, must be sent directly from the institution at which the credit was completed. Official transcripts, mark sheets, diplomas, degrees, and/or certificates of all secondary and post-secondary academic records and examination results are required. If fewer than twenty-four transferrable credits have been completed, high school/secondary school transcripts must also be provided. Transcripts that are not in English must be translated and evaluated by a reputable credential evaluation service, including members of the National Association of Credential Evaluation Services (NACES), and then sent directly from the agency to Monmouth University. A course-by-course evaluation is required for all non-English transcripts. Course descriptions in English of all completed course work are also required if not included in the course-by-course evaluation. Transcripts are considered official when sent directly to Monmouth University from the college/university at which the courses were taken and certified by the institution's Registrar's Office, Ministry of Education, or when sent directly from the evaluation agency along with the translation and evaluation to the Office of Admission Processing. Photocopied documents or transcripts marked "issued to student" are not accepted as official.

The records should list all courses the student has taken and grades received in each subject. Course descriptions and/or syllabi and the number of weeks and hours spent in lectures and laboratory work for each course are required of transfer applicants if transfer credit is expected. Only credits from recognized accredited institutions will be considered for direct transfer into any degree program. All course work is subject to approval by the department chair of the specific program chosen; not all courses may transfer. A maximum of seventy-two credits will be allowed for undergraduates transferring from a two-year accredited institution; a maximum of ninety-six credits will be allowed when transferring from a four-year accredited institution.

Course work done through national examination may be considered for credit by department evaluation, credit by examination, waiver, or portfolio if results meet specific department and/or University requirements and standards.

Students may, upon request, be required to have previous academic work validated, at the student's expense, through an outside credential evaluation service.

Failure to declare and/or present all academic work, or presentation of academic records that are found to be altered or of a questionable nature, may result in non-acceptance of student or dismissal of student from the University. Generally, international students currently studying in the United States who wish to transfer to Monmouth University should follow the regular transfer admission process. The English proficiency/SAT requirement can be waived for international students who have completed at least twenty-four transferable credits of which at least three are in English at the 100 level or higher. See details referenced in the International Applicants section for English proficiency requirements. An international student transferring from an institution within the United States is asked to provide the following documentation:

- Common Application
- Nonrefundable application fee
- Official transcript(s)
- Official test scores (as applicable)
- Monmouth University's F-1 Transfer form (http://www.monmouth.edu/Student/grad/Transfer.pdf) if currently enrolled at a U.S. institution and Monmouth University's Application for Form I-20 (http://www.monmouth.edu/uploadedFiles/Content/University/admission/international-students/FormI20.pdf).

In addition, upon acceptance, the transfer applicant should request the previous institution to transfer his or her Student and Exchange Visitor Information System (SEVIS) record.

International transfer applicants must also provide financial support documentation (see details referenced in the International Applicants section).

Military Applicants

Monmouth University has been designated as an institutional member of Service Members Opportunity Colleges (SOC), a group of over 400 colleges and universities providing voluntary postsecondary education to members of the military throughout the world. As an SOC member, Monmouth University recognizes the unique nature of the military lifestyle and has committed itself to easing the transfer of relevant course credit, providing flexible academic residency requirements, and crediting learning from appropriate military training and experiences. SOC has been developed jointly by educational representatives of each of the Armed Services, the Office of the Secretary of Defense, and a consortium of thirteen leading, national higher education associations; it is sponsored by the American Association of State Colleges and Universities (AASCU) and the American Association of Community and Junior Colleges (AACJC).

Veterans and War Orphans

Complete information regarding benefits and procedures for applying may be obtained from the Office of Veterans Services or the Financial Aid Office. Monmouth University is approved by the New Jersey Department of Military and Veterans' Affairs for veterans' benefits.

Non-Disclosure

Failure to submit complete records of all previous academic experiences will result in a student being denied admission, or, in the case of nondisclosure or misrepresentation, the rescinding of admission previously granted.

TUITION AND FEES

Tuition and fees are billed by the Office of the Bursar each semester, based on the number of credits and the specific courses the student is registered for. The bill will include a comprehensive fee, any course-related lab fee(s), and room and meal charges for students living in University housing. Full-time undergraduate students (i.e., students taking 12-18 credits) are billed at a flat rate, while part-time undergraduate students (i.e., students taking less than 12 credits) and all graduate students are billed on a per credit basis.

For the 2024-25 academic year the annual tuition and fees for full-time undergraduate students is approximately $46,552, and for students living in University housing, it is approximately $63,436, depending on the room assignment and meal plan chosen. It should be noted that more than 90 percent of Monmouth University students are eligible for financial aid. Depending upon family financial circumstances—regardless of income—actual costs could be considerably less than published student charges. Inquiries should be directed to the Financial Aid Office.

For a more precise estimate and for per credit tuition rates for part-time undergraduate and graduate students, please review the following:

2024-2025 Rates:

Undergraduate Student Tuition and Comprehensive Fee (https://www.monmouth.edu/tuition/undergraduate/)

Housing and Meal Plans (https://www.monmouth.edu/tuition/housing-and-meal-plan/)

Program Costs and Other Fees (https://www.monmouth.edu/tuition/program-costs-and-fees/)

Financial Information

Tuition and fees are subject to annual increases at the discretion of the Board of Trustees. Tuition and fees listed in these schedules are in effect as of May 13, 2024. Monmouth University reserves the right to alter any and all charges and to do so within the academic year.

For more information regarding tuition and fees, billing, and payment, please contact the Office of the Bursar at 732-571-3454 or bursar@monmouth.edu.

Explanation of Tuition, Fees and Deposits

Tuition Charges: Undergraduate students are billed according to their status as matriculated full-time or part-time students. Full-time undergraduate students will be billed, upon registering for a given semester, for tuition at the full-time rate; those who register for more than eighteen credits will have an additional charge for each credit over eighteen, billed at the part-time rate. Part-time students are billed at the per-credit rate. Undergraduate students wishing to change status must process a Request to Change Enrollment Status form with the Office of the Bursar. In addition, part-time, non-matriculated students must receive approval from the Office of Undergraduate Admission before a change to full-time status can be processed.

Under this policy, undergraduate students whose status is full time will be billed at the full-time rate, regardless of the number of credits for which they are registered, until a Request to Change Enrollment Status form is processed. If a full-time student fails to register for a full-time load by the end of the registration period, the University will adjust the billing and change the student's status accordingly. An undergraduate student whose status is part-time will be billed at the part-time per-credit rate, unless registered for twelve or more credits (then the student will be billed at the full-time rate). Summer tuition will be billed at the per-credit rate regardless of status.

Financial Aid awards will be based on the student's status, and students should be aware that change in status may affect Financial Aid eligibility.

Graduate students are assessed tuition on a per-credit basis. Students should be aware that the number of enrolled credits may affect Financial Aid eligibility.

Application Fee: This nonrefundable fee is for the cost of processing undergraduate and graduate applications.

Acceptance Deposit: This deposit must be paid by all new full-time undergraduate students (twelve or more credits) prior to registration. Acceptance deposits paid by transfer students are not refundable. Acceptance deposits paid by freshmen for the fall semester are refundable until May 1.

Comprehensive Fee: The Comprehensive Fee includes services provided by the Student Center, Student Engagement, Health Center, Intercollegiate and Intramural Athletics, Career Development, Counseling, the Fitness Center, and Registration. It also includes online services and campus technology programs.

Clinical Laboratory and Practicum Fee: This fee is charged to offset the additional costs associated with certain clinical laboratory and practicum courses.

Credit by Examination Fee: This fee is for the administrative and personnel costs for the Credit by Examination program.

Graduation Fee: This fee covers all costs associated with graduation from the University including diploma, diploma case, cap, gown and hood, processing, and electronic credentials issued the day of your graduation.

Laboratory and Studio Fee: This fee is charged in addition to the tuition for each laboratory or studio course. It covers costs of additional class hours and special materials.

Late Payment Fee: A fee is charged to all students who have not properly made final financial arrangements with the Bursar by the payment due date.

Orientation Fee: This fee is charged to new students to cover the expenses of the orientation program.

Parking Fee: This fee is charged to all resident students who register a motor vehicle with the campus police. Failure to register vehicles will result in parking fines.

Physical Education Fee: This fee is for the use of equipment required in the physical education program.

Portfolio Assessment Fee: This fee is for the administrative and personnel costs for the Portfolio Assessment program.

Program Fee – BSN Students: This fee is charged to all Bachelor of Science in Nursing students to offset the expense of a supplemental

learning solution that provides students with the tools and essential skills needed to be successful on the NCLEX.

Returned Check Fee: A fee is charged for each uncollectible check issued to the University.

Residence Hall Room Reservation Deposit: Students who wish to reserve space in the residence halls are required to forward a $150 room reservation deposit and signed contract prior to registration. The $150 is applied as a credit toward room rent.

Residence Hall Contract Cancellation Fee: This fee is charged to students who have contracted to reserve space in the residence hall and fail to cancel that contract prior to June 1. This fee is in addition to forfeiture of the room reservation deposit.

Second Year Residency Penalty Fee: All undergraduate students enrolled who are not commuting from or living in the home of the parent/guardian are required to live in Monmouth University housing for their second year. Students who elect to live off campus without an approved waiver will be responsible for a substantial off-campus housing fee.

Study Abroad Fee: This fee is charged to Monmouth University students who have been granted permission to enroll in a Study Abroad program sponsored by another college or university.

Student Teacher Early Field Experience Fee: This fee is charged to education majors to offset the expense of the early field experience.

Student Teaching Field Experience Fee: This fee is charged to education majors to offset the expense of student teaching.

Veterans' Benefits Policy

In accordance with Title 38 U.S. Code 3679 subsection (e), Monmouth University has adopted the following additional provisions for any students using U.S. Department of Veterans' Affairs (VA) Post 9/11® G.I.Bill (Chapter 33) or Vocational Rehabilitation and Employment (VR&E) (Chapter 31) benefits, while payment to the institution is pending from Veterans' Affairs.

Monmouth University will not:

- Prevent the students enrollment;
- Assess a late penalty fee;
- Require VA students obtaining benefits to secure alternative or additional funding;
- Deny their access to any resources (access to classes, libraries, or other institutional facilities) available to other students who have satisfied their tuition and fee bills to the institution.

However, to qualify for this provision, such students may be required to:

- Provide Chapter 33 Certificate of Eligibility (or its equivalent) or for Chapter 31, Veterans' Affairs Vocational Rehabilitation and Employment (VR&E) contract with the school on VA Form 28-1905 by the first day of class. **Note: Chapter 33 students can register at the VA Regional Office to use E-Benefits to get the equivalent of a Chapter 33 Certificate of Eligibility. Chapter 31 students cannot get a completed VA Form 28-1905 (or its equivalent) before the VA VR&E case manager issues it to the school.*
- Provide written request to be certified;
- Provide additional information needed to properly certify the enrollment as described in other institutional policies.

Terms of Payment

Payment of Fall semester charges are due in August, and Spring semester charges are due in December. Specific dates are set annually and can be viewed on the Bursar Web page titled Payment Deadlines (https://www.monmouth.edu/bursar/general-information/payment-deadlines/). Billing statements will be sent electronically to students and authorized users designated by the student.

Electronic Check Payments: accepted online on the Student Bill & Payment Center. No additional fees will be assessed.

Credit Cards: Visa, MasterCard, Discover, and American Express are accepted online on the Student Bill & Payment Center. A nonrefundable service fee is assessed to all credit card payments remitted towards tuition, fees, room & board, and other charges posted onto students' accounts. It is currently 2.95% of the payment remitted for domestic transactions, 4.25% for international transactions, or a minimum of $3.00. Please note that this service fee is not collected by Monmouth University and may be subject to change.

Check or Money Order: accepted in person, as above, or mailed with remittance form found on the semester e-bills uploaded to the Student Bill & Payment Center. The student's ID number must be written on all checks and money orders.

Cash: accepted in person at the Cashier's Office located on the first floor of The Great Hall Annex, Room 110

To process payment online by electronic check (ACH) or credit card (see credit card fees above):

- Students can log into their MyMU portal (https://my.monmouth.edu/) and select "I Need To...Access My Student Bill & Payment Center" from the top menu. If you have a balance due, a button will appear on the screen to allow you to make an online payment.
- Designated Authorized Users can access TouchNet Solutions Payment Gateway (https://secure.touchnet.net/C21067_tsa/web/). Be prepared to enter an Authorized User ID and password.

A student who does not meet their financial obligations to the University by the payment due date, could be subject to deregistration from their courses for nonpayment. Subsequently, if a balance occurs that exceeds the set minimum, the student may not be allowed to register for future semesters/terms until the outstanding balance is cleared. All financial obligations should be satisfied for a student to receive their diploma document at graduation. If a balance remains due after graduation or separation from the University, the account will be considered in default and may be assigned to an external party for collections. All collection costs and fees, including reasonable collection agency fees, attorney charges, and legal fees necessary for the collection of outstanding indebtedness, will be paid by the student.

Tuition Payment Plan

To accommodate students and parents who prefer to pay for educational expenses in monthly installments, payment plans are available through the Student Bill & Payment Center for the Fall, Spring, and Summer semesters. Plans range from three to six installments depending on the semester and the time of enrollment. All payment plans have a required

and nonrefundable $45.00 enrollment fee that must be paid at the time of enrollment.

The Bursar's Office provides answers to a list of frequently asked questions (FAQs) regarding the payment plan on its web page (https://www.monmouth.edu/bursar/payment-plans-plus-faq/).

Refund Policy

Summer Sessions

Refunds, upon **withdrawal from summer sessions**, will be made according to the policy stated below:

- **Students who withdraw from a four-week or six-week summer session** within the first week of the session will receive 100 percent refunds. Withdrawals after the first week are not eligible for refunds.
- **Students who withdraw from a nine-week or twelve-week summer session** within the first week of the session will receive 100 percent refunds. Fifty-percent refunds will be given if courses are withdrawn in the second week. Withdrawals after the second week are not eligible for refunds.

Winter Session

Refunds, upon **withdrawal from the winter session**, will be made according to the policy stated below:

- **Students who withdraw from the winter session** within the first two days of the session will receive 100 percent refunds. Withdrawals after the first two days are not eligible for refunds.

Refund Policy For Complete Withdrawals

Fall and Spring Semesters

Tuition and fees, including room and board fees, will be refunded upon **complete withdrawal from all semester courses** according to the policy stated below:

Students who withdraw completely from the University after the opening of classes will receive 100 percent refunds (less a $500 cancellation fee as detailed in the Housing Contract) through the end of the first week of the semester. Students who withdraw completely after the first week of the semester will receive pro-rata refunds (less a $500 cancellation fee as detailed in the Housing Contract) calculated on the basis of days enrolled through the sixtieth percent point in the semester. Please refer to the Registration Information (http://www.monmouth.edu/registrar/registration_information/default.asp) online for semester start and end dates. Withdrawals after the sixtieth percent point in the semester are not eligible for refunds.

All refunds will be based on the **official date of withdrawal**, which is the date the completed withdrawal eFORM or an e-mail message (e-mail must be from the student's University e-mail account and sent to the Registrar's Office (registrar@monmouth.edu)) is received by the Office of the Registrar (OR). The University encourages students to make notification of withdrawal in writing as outlined above; however, verbal communication in the form of a phone call to the OR will be accepted within the following guidelines:

- The call must be made during business hours (Monday through Friday, 9 a.m. to 5 p.m.).
- The call must be communicated by the student (not a parent or designate) directly to the OR personnel. Voice messages will not be accepted.
- The student must provide name, last four digits of his or her social security number, and his or her unique Monmouth student ID number.
- Telephone withdrawals will be confirmed by the OR.
- The **student** is responsible for ensuring that the withdrawal is communicated to the OR.
- International students cannot use e-mail or telephone contact with the OR. International students must coordinate registrations and withdrawals with the Office of International Student Services.

Pro-rata percentages are applied against tuition, comprehensive fee, lab fee, and room and board fees (less a $500 cancellation fee for students who have contracted for housing). The resulting amount is then compared to any student payments that may have been made with the difference being the amount still due the University or the amount available to be refunded. There will be no refunding of moneys paid for health insurance, books, supplies, damages, fines, or other fees not mentioned above. Any amount available for refund will be returned to its sources. Federal Title IV aid, state aid, and University aid will receive refunds prior to any refund being paid to the student.

Refund Policy for Partial Withdrawals

Fall and Spring Semesters

All refunds will be based on the **official date of withdrawal**, which is the date the completed withdrawal eFORM is received by the Office of the Registrar (OR). E-mail or verbal communication **will not** be accepted for communicating partial withdrawals to OR. Only the completed withdrawal eFORM will be accepted.

Full-time undergraduate students who are registered for twelve to eighteen credits in the semester are not entitled to any refund when withdrawing from one or more, but not all, courses after the first week of the semester. If the student drops below twelve credits prior to the end of the first week of the semester, the student's status will be changed to part-time, and the student will be billed at the per-credit rate. Full-time undergraduate students should note that enrolling for fewer than twelve credits may affect eligibility for financial aid. Those students who are registered for credits in excess of eighteen will be entitled to refunds for tuition paid for credits in excess of eighteen according to the partial withdrawal refund schedule for part-time undergraduate students and graduate students, which follows below.

Part-time undergraduate students and all graduate students who withdraw from one or more courses during the semester while remaining registered for one or more courses are entitled to 100 percent refunds on the courses dropped if the courses are dropped during the first week of the semester or on the day following the first class meeting. Fifty-percent refunds will be given if the courses are withdrawn from during the second week. Withdrawals after the second week are not eligible for refunds.

Housing Contract: Refund Schedule

Students who change housing and/or board arrangements during the semester while continuing as students at Monmouth University are eligible only for such refunds (less a $500 cancellation fee as detailed in the Housing Contract) as established by the Office of Residential Life. Further information on this process is available from the Office of Residential Life at 732-571-3465 or Reslife@monmouth.edu.

Appeal Policy for Refunds

Appeals for exceptions to the Refund Policy should be made in writing to the Assistant to the Vice President for Student Financial Appeals within one year of the beginning of the semester in question. Information about the Refund Appeal Process (https://www.monmouth.edu/bursar/refund-appeal-process/) is available from the Office of the Vice President of Finance at 732- 571-3427. Further information or explanation of the Refund Policy (http://www.monmouth.edu/campus_life/bursar/refund.asp) is available online from the Office of the Bursar (https://www.monmouth.edu/bursar/) or by calling 732-571-3454.

Students filing appeals for exceptions to the University Refund Policy are advised that there is a possibility that the amount of Financial Aid they may receive, or may have received, may be adversely affected. Students are advised that it is their responsibility to meet with a representative from the Financial Aid Office to see how filing an appeal will affect their financial aid package.

FINANCIAL AID

Monmouth University believes that financing a student's education should be a cooperative effort between the student and the institution. To that end, the staff of the Financial Aid Office is available to assist students in developing a comprehensive educational financial plan. Students are strongly encouraged to contact the Financial Aid Office to engage in this planning process. The Financial Aid Office is accessible by email (finaid@monmouth.edu) or by phone at 732-571-3463. On Monday through Friday from the hours of 10am to 2pm, students can also speak with a counselor in our Zoom room (https://monmouth.zoom.us/j/96690751230/?pwd=Y05IVnFmWWdrWTBHYmVyWmJsUHZVUT09#success); appointments are not necessary.

Application Process

Monmouth University uses the Free Application for Federal Student Aid (FAFSA) as its primary application for all federal, state, and institutional financial aid programs; no supplementary applications are required. Students must apply online (https://www.fafsa.gov).

The FAFSA is completed each year using the student's and parents' federal income tax data and should also include Monmouth University's Title IV School Code (002616). Completed FAFSAs may be submitted to the U.S. Department of Education on or after October 1, 2024 and until June 30 2025 for the 2024-25 academic year.

Monmouth University does not have a deadline for applying for financial aid. However, students are encouraged to file as soon after October 1 as possible, as funding for several types of financial aid is limited, and funds are awarded on a first-come, first-served basis. Further, New Jersey residents must file the FAFSA to be considered for state grant (TAG) eligibility and should be aware of the following FAFSA filing deadlines set by the state:

TAG Recipients	Deadline
First time TAG recipients	September 15 of the current academic year
Prior TAG recipients	April 15 of the preceding academic year
Spring Term only	February 15 of the current academic year

Financial data provided on the FAFSA will be forwarded electronically to the University and will be the basis for the creation of the student's financial aid offer. The financial aid offer will be sent to the student in a financial aid offer letter. Offer letters will be sent by email; prior to enrollment, new students will receive the offer letter at the email address they provided on the application for admission, while continuing students will receive their offer letter at their University e-mail address; students may also review their financial aid via the financial aid Self-Service portion of the University's website.

Generally, the initial offer of financial assistance delineated in the offer letter is non-negotiable. The financial aid offer may, however, be altered as a result of one or more of the following conditions:

- Changes in the student's housing status
- Changes in the student's enrollment (i.e., credit hours) status
- Lack of satisfactory academic progress
- Receipt of financial aid from an outside source
- Discrepancies noted as a result of the verification process

(Note that the U.S. Department of Education selects applications for verification. The verification process entails the comparison of actual financial data to that supplied on the FAFSA. Students selected for this process will be notified by the Financial Aid Office and will be asked to supply additional information. Instructions for submitting this documentation will be provided by the Financial Aid Office.)

Types of Financial Aid

Funding Sources

The student's financial aid offer may be comprised of a combination of grant, scholarship, loan, and work-study funding. Grants and scholarships are forms of assistance that do not have to be repaid, while loans must be repaid with interest; work-study earnings are disbursed to students in the form of a bi-weekly paycheck and do not credit to the student's account. (Note that interest rates and repayment terms vary as a function of the type of loan a student has secured.) The following paragraphs identify and describe the types of funding available at Monmouth University. Students are encouraged to refer to the University's financial aid website (https://www.monmouth.edu/finaid/) for additional information regarding the types of aid available.

Undergraduate Grants and Scholarships

Monmouth University Academic Scholarships and Grants

The primary form of assistance offered to full-time incoming freshmen and transfer students is provided through the incentive grant, academic grant, and academic excellence scholarship programs. Awards are made by the Office of Undergraduate Admission to students who qualify on the basis of their prior academic performance; awards are not based upon financial need. New freshmen are evaluated on the basis of their cumulative high school grade point average and a calculated academic grade point average; standardized test scores (e.g., SAT and ACT scores) will also be considered, if submitted. Awards to transfer students with 24 or more transferrable credit hours are made based upon the student's cumulative college grade point average; for students with less than 24 transferrable credit hours the award is based upon the high school grade point average, calculated academic grade point average, and standardized test scores (when submitted). For both new freshmen and transfer students, award values will vary as a function of prior academic performance; awards will not be increased once the student has enrolled at the University.

Awards are renewable for the entirety of the student's undergraduate career, provided the student maintains full-time enrollment status (at least twelve credit hours) each semester and satisfactory academic progress; education majors may receive a prorated award during their student teaching semester if they are only enrolled for nine credit hours. Students receiving the incentive grant are required to maintain a minimum cumulative grade point average of at least 2.0; academic grant recipients must maintain a minimum cumulative grade point average of at least 2.5; and academic excellence scholarship recipients must maintain a minimum cumulative grade point average of at least 3.0. In the

event that the student fails to maintain satisfactory academic progress, the award may be reduced or cancelled.

Incentive grants, academic grants, and academic excellence scholarships may only be applied toward tuition assessed by Monmouth University, and, therefore, cannot be applied toward housing costs. Academic awards are applicable to: study abroad costs only when tuition is assessed by Monmouth University; to study at the Washington Center; and to Medical Laboratory Science and Clinical Laboratory Science majors who are taking coursework not offered at Monmouth University. (Note that for students in the Medical Laboratory Science and Clinical Lab Sciences programs, the award will be prorated during the semester(s) in which course work is not taken at Monmouth University. The award will be prorated by the amount of the non-Monmouth tuition as a percentage of Monmouth tuition.) These awards will not be made in conjunction with other institutional benefits such as employee tuition remission or the tuition exchange program. Awards are available only during the regular academic year (i.e., fall and spring semesters) and are not offered during the summer term.

Transfer Science Scholarships

Scholarships are offered to full-time transfer students in a major within the School of Science, who have completed an Associate's Degree at any New Jersey Community College and who have a transfer cumulative grade point average of at least 3.25. Candidates are identified by the Office of Undergraduate Admission; there is no separate application process for the scholarship. The award is valued at $3,500 per academic year and is renewable. To renew, students must maintain full-time status, have a cumulative grade point average of 3.0 or better, and remain a science major.

The award may only be applied toward tuition assessed by Monmouth University, and, therefore, cannot be applied toward housing costs. Academic awards are applicable to: study abroad costs only when tuition is assessed by Monmouth University; to study at the Washington Center; and to Medical Laboratory Science and Clinical Laboratory Science majors who are taking coursework not offered at Monmouth University. (Note that for students in the Medical Laboratory Science and Clinical Lab Sciences programs, the award will be prorated during the semester(s) in which course work is not taken at Monmouth University. The award will be prorated by the amount of the non-Monmouth tuition as a percentage of Monmouth tuition.) These awards will not be made in conjunction with other institutional benefits such as employee tuition remission or the tuition exchange program. Awards are available only during the regular academic year (i.e., fall and spring semesters) and are not offered during the summer term.

Shadow Lawn Grants

Beginning with the Fall 2023 semester, this award is no longer being offered to newly enrolling students. The award will be continued for students who enrolled prior to Fall 2023, provided they continue to meet the general eligibility requirements.

Out-of-State Students

Grants are offered to first-time, full-time students who are permanent residents of a state other than New Jersey or who are international students. Candidates are identified by the Office of Undergraduate Admission; there is no separate application process. The award is $8,000 per academic year and is renewable. To renew, students must maintain full-time status and a cumulative grade point average of 3.0 or better. (Note that this award is offered only to those students who enrolled prior to Fall 2019.)

The award may only be applied toward tuition assessed by Monmouth University, and, therefore, cannot be applied toward housing costs. Academic awards are applicable to: study abroad costs only when tuition is assessed by Monmouth University; to study at the Washington Center; and to Medical Laboratory Science and Clinical Laboratory Science majors who are taking coursework not offered at Monmouth University. (Note that for students in the Medical Laboratory Science and Clinical Lab Sciences programs, the award will be prorated during the semester(s) in which course work is not taken at Monmouth University. The award will be prorated by the amount of the non-Monmouth tuition as a percentage of Monmouth tuition.) These awards will not be made in conjunction with other institutional benefits such as employee tuition remission or the tuition exchange program. Awards are available only during the regular academic year (i.e., fall and spring semesters) and are not offered during the summer term.

Science Majors

Grants are offered to first-time, full-time students who are pursuing a major within the School of Science. Candidates are identified by the Office of Undergraduate Admission; there is no separate application process. The award is $4,000 per academic year and is renewable. To renew students must maintain full-time status and a cumulative grade point average of 3.0 or better, and must remain enrolled a science major. For students entering in Fall 2021, the award is valued at $2,500 per year.

The award may only be applied toward tuition assessed by Monmouth University, and, therefore, cannot be applied toward housing costs. Academic awards are applicable to: study abroad costs only when tuition is assessed by Monmouth University; to study at the Washington Center; and to Medical Laboratory Science and Clinical Laboratory Science majors who are taking coursework not offered at Monmouth University. (Note that for students in the Medical Laboratory Science and Clinical Lab Sciences programs, the award will be prorated during the semester(s) in which course work is not taken at Monmouth University. The award will be prorated by the amount of the non-Monmouth tuition as a percentage of Monmouth tuition.) These awards will not be made in conjunction with other institutional benefits such as employee tuition remission or the tuition exchange program. Awards are available only during the regular academic year (i.e., fall and spring semesters) and are not offered during the summer term.

SOAR Grants

Grants are awarded at the discretion of the Director of Undergraduate Admission to incoming full-time undergraduate students and there is no separate application process; award values are also determined by the Director. The award is renewable provided that the student maintains full-time enrollment status and a cumulative grade point average of 2.0 or better.

The award may only be applied toward tuition assessed by Monmouth University, and, therefore, cannot be applied toward housing costs. Academic awards are applicable to: study abroad costs only when tuition is assessed by Monmouth University; to study at the Washington Center; and to Medical Laboratory Science and Clinical Laboratory Science majors who are taking coursework not offered at Monmouth University. (Note that for students in the Medical Laboratory Science and Clinical Lab Sciences programs, the award will be prorated during the semester(s) in which course work is not taken at Monmouth University. The award will be prorated by the amount of the non-Monmouth tuition as a percentage

of Monmouth tuition.) These awards will not be made in conjunction with other institutional benefits such as employee tuition remission or the tuition exchange program. Awards are available only during the regular academic year (i.e., fall and spring semesters) and are not offered during the summer term.

Residency Grants

Beginning in Fall 2023, newly enrolling students – both freshmen and transfers - who reside in University owned or sponsored housing will be given a Residency Grant of $2,000. The award is renewable as long as the student is living in University owned or sponsored housing, maintains a cumulative grade point average of at least 2.0 and is full-time; tuition remission and tuition exchange recipients are ineligible for the grant. There is no application process and grants will automatically be added to eligible students' financial aid records. The grant in combination with all other grants, scholarships, and need-based loans will not exceed direct cost (e.g., tuition, fees, and room/board for resident students). Awards are available only during the regular academic year (i.e., fall and spring semesters) and are not offered during the summer term.

Athletics Scholarships

The Department of Athletics offers grants-in-aid, commonly known as athletics scholarships, to student-athletes who meet the eligibility requirements set forth in the National Collegiate Athletic Association (NCAA) bylaws. These grants-in-aid are offered and renewed at the discretion of the head coach with the consent and approval of the Director of Athletics and the Director of Financial Aid and in accordance with guidelines prescribed by Monmouth University and the NCAA. Grants-in-aid are made for the academic year; funding for summer course work is awarded at the discretion of the Director of Athletics. Student athletes who receive an athletics scholarship must complete a Grant-In-Aid agreement, as prepared by the Department of Athletics.

Annual and Endowed Scholarships

The University offers a number of annual and endowed scholarships, which have been made possible through the generosity of friends of the University. All enrolled students automatically receive consideration for these awards, and there is no student-initiated application process. The Financial Aid Office will identify a preliminary pool of candidates for each scholarship and, except where otherwise specified by the donor, will select the candidate who most closely matches the donor-established criteria. Scholarship recipients will be notified via the Financial Aid Offer Letter. Where possible and as permitted by donor stipulated criteria, the Financial Aid Office will make every effort to renew the awards in subsequent years.

Great Lawn Grant

The Great Lawn Grant is awarded to full-time undergraduate students on the basis of unmet financial need (as defined by the U.S. Department of Education) and academic performance. Awards are automatically granted to qualified students and are valued at up to $6,500 for first-time students and $3,000 for transfer students (not to exceed direct costs). Awards are available only to students who are completing their first bachelor's degree.

The award may only be applied toward tuition assessed by Monmouth University, and, therefore, cannot be applied toward housing costs. Academic awards are applicable to: study abroad costs only when tuition is assessed by Monmouth University; to study at the Washington Center; and to Medical Laboratory Science and Clinical Laboratory Science majors who are taking coursework not offered at Monmouth University. (Note that for students in the Medical Laboratory Science and Clinical Lab Sciences programs, the award will be prorated during the semester(s) in which course work is not taken at Monmouth University. The award will be prorated by the amount of the non-Monmouth tuition as a percentage of Monmouth tuition.) These awards will not be made in conjunction with other institutional benefits such as employee tuition remission or the tuition exchange program. Awards are available only during the regular academic year (i.e., fall and spring semesters) and are not offered during the summer term. Awards are renewable provided the student maintains a cumulative grade point average at Monmouth University of at least 2.0 and continues to demonstrate unmet financial need. Please note that changes in housing status can affect need and the student's eligibility for the Great Lawn Grant.

Phi Theta Kappa Scholarship

Phi Theta Kappa is a national honor society for students at junior or community colleges. A limited number of scholarships at Monmouth University are available for students who are members of the society at the time they enroll at Monmouth and who enroll as full-time (12 or more credits) undergraduate students. The Office of Undergraduate Admission will identify and select the recipients; there is no separate application process for the scholarship. Awards are valued at $2,500 per year.

The award may only be applied toward tuition assessed by Monmouth University, and is applicable to costs associated with study abroad only when tuition is assessed by Monmouth University. The award is also available for Medical Laboratory Science or Clinical Laboratory Science majors and will be prorated during the semester(s) in which course work is not taken at Monmouth University; the award will be prorated by the amount of the non-Monmouth tuition as a percentage of Monmouth tuition. For education majors the award will be prorated in the student teaching semester if the student is registered for fewer than 12 credits. Awards will not be awarded in conjunction with other institutional benefits such as employee tuition remission or the tuition exchange program. The grant in combination with all other grants, scholarships, and need-based loans will not exceed direct cost (e.g., tuition, fees, and room/board for resident students and tuition and fees for commuting students); the scholarship cannot be applied toward housing charges. Awards are renewable provided the student maintains a cumulative grade point average at Monmouth University of at least 3.0.

Yellow Ribbon

Monmouth University has voluntarily entered into a Yellow Ribbon Agreement with the Department of Veterans Affairs (VA). The agreement is completed on an annual basis and includes the maximum number of students to be funded, degree level of the recipients, and the maximum contribution by the University. The University's contribution is matched by the VA. Students must be 100% eligible for Post-9/11 benefits to qualify for the Yellow Ribbon program. All interested students must complete the University's online Yellow Ribbon Application (https://www.monmouth.edu/Yellow-Ribbon-Application.asp). Newly enrolling full-time undergraduate students must submit an enrollment deposit before being considered for the program, and part- time students must submit a part-time reply form to the Office of Undergraduate Admission. A Certificate of Eligibility and DD-214 are required from all students at least two weeks prior to the start of their first semester. The University provides funding for up to forty (40) students – both undergraduate and graduate. Awards are made on a first-come, first-served basis, and students are notified of their eligibility through the Financial Aid award letter. Students serving on active duty are not eligible for the Yellow Ribbon Program. Students in the Yellow Ribbon Program are not eligible for other institutional grants or scholarships. The Federal

Supplemental Educational Opportunity Grant (FSEOG) and work study are only awarded to students living on campus, provided that the student has remaining unmet need after the Yellow Ribbon Grant and other VA benefits are considered. Yellow Ribbon recipients may receive the Pell Grant in addition to the benefit. Students are not issued refunds until the University receives payment from the VA. For students attending a full academic year, Yellow Ribbon benefits are generally awarded in the spring semester after the Post-9/11 benefits have been exhausted. Awards are renewable, provided that the student remains enrolled as a full-time student, and meets the established standards of Satisfactory Academic Progress for federal and state awards, and continues to meet VA-specified eligibility requirements.

Federal Pell Grant

The federal Pell Grant is a need based grant for undergraduate students who have not yet completed a baccalaureate or first professional degree and who meet all other federal eligibility requirements (https://www.monmouth.edu/finaid/getting-started/eligibility-for-aid/). The Financial Aid Office will calculate the amount of the student's award based upon the student's Student Aid Index, cost of attendance, and enrollment status. Receipt of a Pell Grant does not depend upon the availability of funds; all students who meet the federal eligibility requirements will be awarded the grant.

The amount of the Federal Pell Grant depends in part on the amount that Congress appropriates for the program. The maximum award for a full-time student for 2024-25 is $7,395. It may be possible to also receive a Federal Pell Grant in summer; the Financial Aid Office can help you determine if you may be eligible for summer funding. The Pell grant may be used for study abroad, study at the Washington Center, or by students in the Medical Laboratory Science and Clinical Lab Sciences programs during the semester(s) in which course work is not taken at Monmouth University.

Students who file the Free Application for Federal Student Aid (FAFSA) (http://www.fafsa.ed.gov/) will be automatically considered for the Pell Grant. Pell grant renewal is dependent on the student filing the FAFSA each year and continuing to meet the eligibility requirements.

Federal Supplemental Educational Opportunity Grant (FSEOG)

FSEOG is awarded to undergraduate students who demonstrate extreme financial need and is generally awarded to undergraduate students who are Pell Grant recipients. On average, Monmouth University awards $650 to FSEOG recipients. Funding is limited, and priority is given to students who have filed their FAFSA in a timely fashion. FSEOG is available during the regular academic year (i.e., fall and spring semesters) and may be available during the summer term on a limited basis. Awards are renewable, provided that the student continues to demonstrate extreme financial need and meets the established standards of Satisfactory Academic Progress for federal awards. Awards are applicable to costs associated with study abroad when the tuition is assessed by Monmouth University, study at the Washington Center, and for off-campus study associated with the Medical Technology and Clinical Laboratory Science programs. Awards are available during the summer term on a "funds available" basis.

Federal TEACH Grant

The Teacher Education Assistance for College and Higher Education (TEACH) Grant that provides grants of up to $4,000 per year (including the summer term) ; students may receive a maximum of $16,000 in TEACH Grant funding for undergraduate studies. In exchange for receiving a TEACH Grant, the student must agree to serve as a full-time teacher in a high-need field (e.g., bilingual education and English language acquisition, foreign language, mathematics, reading specialist, science, special education, or other identified teacher shortage areas) in a public or private elementary or secondary school that serves low-income students. As a recipient of a TEACH Grant, the student must teach for at least four academic years within eight calendar years of completing the program of study for which the TEACH Grant was awarded.

IMPORTANT: If the student fails to complete this service obligation, all TEACH Grants that the student received will be converted to a Direct Unsubsidized Loan, with interest having accrued since the date the TEACH grants were originally disbursed. The student must then repay this loan to the U.S. Department of Education. Note: TEACH Grant recipients will be given a six-month grace period prior to entering repayment if a TEACH Grant is converted to a Direct Unsubsidized Loan.

Eligibility Requirements

To receive a TEACH Grant, the student must meet the following criteria:

- Be enrolled as an undergraduate, post-baccalaureate, or graduate student in a postsecondary educational institution that has chosen to participate in the TEACH Grant Program;
- Be enrolled in course work that is necessary to begin a career in teaching or plan to complete such course work. Such course work may include subject area courses (e.g., math courses for a student who intends to be a math teacher);
- Meet certain academic achievement requirements (generally, scoring above the 75th percentile on a college admissions test or maintaining a cumulative GPA of at least 3.25); and
- Sign a TEACH Grant Agreement to Serve, and complete an Entrance Counseling session.

Iraq and Afghanistan Service Grant

The Iraq and Afghanistan Service Grant is a federal grant available to undergraduate students whose parent or guardian was a member of the U.S. armed forces and died as a result of military service performed in Iraq or Afghanistan after September 11, 2001. You are eligible for the grant if:

- You have completed the Free Application for Federal Student Aid (FAFSA) (https://studentaid.gov/h/apply-for-aid/fafsa/) for each year in which you wish to receive the Iraq and Afghanistan Service Grant
- You are not eligible for a Federal Pell Grant on the basis of your Student Aid Index (SAI) but
- Meet the eligibility (https://www.monmouth.edu/finaid/types/undergraduate/grants-and-scholarships/federal-pell-grant/) requirements for the federal Pell Grant
- Your parent or guardian was a member of the U.S. armed forces and died as a result of military service performed in Iraq or Afghanistan after the events of 9/11, and
- You were under 24 years old or enrolled in college at least part-time at the time of your parent's or guardian's death

The grant amount is equivalent to the maximum Pell Grant for the award year, and when combined with other aid cannot exceed the total cost of attendance. Grants are typically available only during the academic year (i.e., fall and spring semester), but in some cases may be available summer coursework. Those students interested in summer coursework should review their eligibility with the Financial Aid Office. The grant can be renewed every year until you complete a Bachelor's degree, as

long as you file the FAFSA and continue to meet the general eligibility requirements.

For the 2024-25 award year the maximum Pell Grant is $7,395 for a full-time undergraduate student; awards to part-time students are reduced based on registered credits. However, due to federal sequestration regulations, awards disbursed after October 1, 2023 and before October 1, 2024 must be reduced by 5.7% and, as a result, the award for a full-time student is actually $6,973. Grants are disbursed after enrollment is verified at the beginning of each semester.

New Jersey Tuition Aid Grant (TAG)

Students who are full-time undergraduates, have demonstrated financial need (as determined by the FAFSA), and have been New Jersey residents for at least twelve consecutive months prior to the beginning of the academic year may be eligible to receive the TAG grant. (Note that TAG grants may be available under certain conditions for students in their last semester who are part-time.) Final determinations of eligibility are made by the New Jersey Higher Education Student Assistance Authority (NJHESAA); Monmouth University has no influence or control over a student's determination of eligibility. For the 2023-24 academic year, grant amounts ranged from $2,176 to $14,404. Grants are renewable annually based upon continued financial need and Satisfactory Academic Progress, but will only be awarded for a maximum of nine semesters of full-time undergraduate enrollment. Students who have not previously received a TAG grant must apply by completing the FAFSA by September 15 for the fall and spring semesters and by February 15 for the spring only. Prior TAG recipients must complete the FAFSA by April 15. TAG grants are generally available during the regular academic year (i.e., fall and spring semesters), but under certain circumstances may be available for summer coursework. Awards are applicable to costs associated with study abroad or study at the Washington Center.

Students will be notified of their eligibility by NJHESAA and may also be asked to supply additional documentation to NJHESAA. Funding of this award is subject to change due to annual State budget appropriations.

Educational Opportunity Fund (EOF) Grant

The undergraduate EOF program is designed to provide access to higher education for New Jersey residents who might otherwise not have the opportunity to obtain a college education. An applicant to the EOF program must have been a legal resident of New Jersey for at least twelve consecutive months prior to receipt of the grant, matriculate as a full-time student, have an economic background that reflects a history of poverty, and demonstrate the need for improvement of educational basic skills. Parents of dependent students must also meet the New Jersey residency requirement. Funding is, however, limited, and there is a competitive application process. Once accepted into the program, students receive additional academic, social, and financial support; both the state of New Jersey and the University provide grants to EOF students. Students who believe they might qualify are encouraged to contact the University's EOF Office at 732-571-3462. Prospective EOF students must complete the FAFSA before being considered for the program, while currently enrolled EOF students must complete it by April 15. EOF funding is available during the regular academic year (i.e., fall and spring semesters), and is available on a limited basis during the summer term. In order to receive funding during the summer, students must complete a summer financial aid application. Requests for summer funding are reviewed by the Director of the EOF program in conjunction with the Assistant Director of Financial Aid, and are prioritized as follows:

1. students scheduled to graduate at the conclusion of the summer or fall term;
2. science majors and
3. students who have changed majors.

All other requests will be fulfilled as funding permits. Academic year awards are renewable, provided that the student continues to demonstrate extreme financial need, meets the established standards of Satisfactory Academic Progress for state awards, and is in compliance with the institutional requirements of the EOF program. Awards are applicable to costs associated with study abroad, when tuition is assessed by the University, or study at the Washington Center; approval for off-campus study is at the discretion of the Director of the EOF program and students may use Monmouth University EOF funding for only one off-campus study experience.

New Jersey Survivor Tuition Benefits Program

The Survivor Tuition Benefits Program is for New Jersey residents who attend Monmouth University on, at least, a half-time basis who are spouses and/or dependents of emergency service personnel or law enforcement officers killed in the line of duty. Grants pay the actual cost of tuition up to the highest tuition charged at a New Jersey public institution of higher education. For the fall and spring terms, applications must have been submitted by October 1, and for Spring only awards, the application must be submitted by March 1; applications are available on the NJFAMS portal (https://njfams.hesaa.org/NJFAMS/login.aspx?ReturnUrl=/NJFAMS/int/FinAid/index.aspx). Scholarship availability and finding levels are determined by NJHESAA.

Law Enforcement Officer Memorial Scholarship

The Law Enforcement Officer Memorial Scholarship (LEOMS) benefits dependent children of New Jersey law enforcement officers who were killed in the line of duty. The scholarship is awarded up to the cost of attendance less any other scholarships, grants, benefits, and other assistance awarded under the NJHESAA statute and may be renewed for up to four years. Students must be U.S. citizens or eligible non-citizens and enrolled on a full-time basis. The application deadline for the fall and spring semesters is October 1, and for the spring only the deadline is March 1. An application may be downloaded from the Higher Education Student Assistance Web site (http://www.hesaa.org/Pages/NJGrantsHome.aspx). The LEOMS is only available during the regular academic year (i.e., fall and spring semesters).

World Trade Center Scholarships

This scholarship was established to benefit dependent children and surviving spouses of New Jersey residents who were killed in or who died as a result of the terrorist attacks against the United States on September 11, 2001 or who died as a result of illness caused by exposure to the attack sites. In order to apply, you must complete the World Trade Center Application through the NJFAMS portal (https://njfams.hesaa.org/NJFAMS/login.aspx?ReturnUrl=/NJFAMS/int/FinAid/index.aspx). The deadline for fall and spring term is October 1 of the academic year for which aid is requested. The deadline for the spring term only is March 1 of the academic year for which aid is requested. Based on current funding levels, the maximum award amount is $5,000 per academic year.

In order to be eligible, students must:

- Be a child or spouse of an individual who was a NJ resident on September 11, 2001 and who was:

  - Killed in the terrorist attack against the U.S. on September 11, 2001
  - Died as a result of injuries received in the attack
  - Died as a result of illness caused by exposure to the attack sites
  - Declared missing an officially presumed dead as a result of the attack
- Provide documentation to verify eligibility
- Be a U.S. citizen, eligible non-citizen, or eligible to file the NJ Alternative Financial Aid application
- Be a full-time, undergraduate student
- Eligibility to apply is limited to eight years from the date of the child's high school graduation and/or eight years from the date of the death for the spouse
- Maintain satisfactory academic progress
- Complete an application each year and not have received the maximum allowable number of payments (eight semesters of payments for a regular four-year degree program; five semesters of payments for a regular two-year degree program.)

Governor's Urban Scholarship Program

The New Jersey Higher Education Student Assistance Authority (NJHESAA) provides eligible students awards of $1,000 each year for up to four years as part of the Governor's Urban Scholarship Program. These funds are only available during the fall and spring terms. To be eligible for this award, students must meet all the following criteria:

- Reside in one of the designated high-need communities in New Jersey: Asbury Park City, Burlington City, Bridgeton, Camden City, East Orange City, Elizabeth, Garfield, Gloucester City, Harrison, Hoboken, Irvington Township, Jersey City, Keansburg, Lakewood, Long Branch, Millville City, Neptune Township, Newark City, New Brunswick City, Orange, Passaic City, Paterson City, Pemberton Township, Perth Amboy, Phillipsburg, Plainfield City, Pleasantville, Roselle Borough, Salem City, Trenton City, Union City, Vineland City, or West New York.
- Rank in the top 5% of their high school graduating class.
- Have a cumulative GPA of at least 3.0 at the end of the junior year in high school.
- Be a U.S. citizen or eligible non-citizen with appropriate approval from the United States Citizenship and Immigration Services (USCIS).
- Be a New Jersey resident for at least twelve consecutive months prior to receiving the award.
- File a FAFSA each year.
- Be Tuition Aid Grant (TAG)-eligible (if at any point in time the student is no longer eligible for TAG funding, the Urban Scholarship money will be cancelled.)
- Be matriculated full-time in an eligible academic program.
- Make satisfactory academic progress in order to continue to receive the award.

There is no separate application for the scholarship; eligible students will be notified by NJHESAA. Funding of this award is subject to change due to annual State appropriations.

New Jersey Student Tuition Assistance Reward Scholarship (STARS) II

The NJ STARS II Program is a continuation of the NJ STARS I Program. NJ STARS I recipients who complete an Associate's Degree at any New Jersey county college may transfer to a New Jersey four-year college/university to earn a bachelor's degree. NJ STARS II awards may only be applied toward tuition, unless the student is also a Tuition Aid Grant (TAG) recipient, in which case it goes toward tuition and approved fees. All other State and Federal grants and scholarships will be applied to the charges first; the award will not exceed $1,250 per semester. NJ STARS II awards are dependent upon annual State budget appropriations. Awards are available only during the regular academic year (i.e., the fall and spring semesters) and are renewable, provided the student meets the established standards of Satisfactory Academic Progress for state awards. Awards are applicable to costs associated with study abroad when the tuition is assessed by Monmouth University or study at the Washington Center.

In order to be eligible for this scholarship, students must:

- Be a NJ STARS I recipient or NJ STARS I eligible and unfunded (e.g., student would otherwise qualify for STARS I, but tuition and approved fees are fully covered by other state and/or federal aid).
- Have graduated from a NJ county college with an associate degree and a GPA of 3.25 or higher.
- Have family income (including taxable and untaxed income) less than $250,000.
- Be admitted to a NJ four-year institution that participates in the TAG program.
- Begin NJ STARS II program participation no later than the second semester immediately following county college graduation.
- Be enrolled full-time (twelve credits or more) each semester.
- Submit their FAFSA and submit any requested documentation to complete or verify the application within established State deadlines.

Loans

Direct Subsidized Loan

This is a federally funded loan program that is available to any undergraduate student who has completed the FAFSA, demonstrated financial need, is a matriculated student enrolled for at least six credits in the term the loan is being awarded, is a United States citizen or eligible non-citizen, has maintained Satisfactory Academic progress, is not in default on a prior student loan and has demonstrated financial need; creditworthiness is not a requirement for the Direct Subsidized Loan. The amount an undergraduate student may borrow is dependent on class level and need:

- 0 - 29.5 credits completed - up to $3,500
- 30 - 59.5 credits completed - up to $4,500
- 60 or more credits completed - up to $5,500

The interest rate is fixed at 6.53% for loans disbursed on or after July 1, 2024 and on or before June 30, 2025; the interest rate is fixed for the life of the loan. Interest does not accrue while the student is enrolled for at least six credits. Borrowers are charged, by the federal government, an up-front origination fee. For loans disbursed on or after October 1, 2020 and before October 1, 2025 the fee is 1.057%.

Direct Unsubsidized Loan

The Direct Unsubsidized Loan is a federally funded, low-interest-rate loan with eligibility requirements, terms, and conditions similar to those of the Direct Subsidized Loan. The primary difference is that interest accrues on the loan immediately after it is disbursed and while the student is enrolled. Students with no financial need are permitted to borrow through

the Direct Unsubsidized loan program and may borrow between $3,500 and $5,500, depending upon class level:

- 0 - 29.5 credits completed - up to $3,500
- 30 - 59.5 credits completed - up to $4,500
- 60 or more credits completed - up to $5,500

Additionally, all undergraduate students, regardless of financial need, are eligible for $2,000 in Direct Unsubsidized Loan funds each academic year, up to a maximum of $8,000.

Independent students (or dependent students whose parents are unable to borrow a Federal Direct PLUS Loan) may also borrow additional amounts under the Direct Unsubsidized Loan program, as follows:

- $4,000 per year for undergraduate students who have completed fewer than sixty credits
- $5,000 per year for undergraduate students who have completed sixty or more credits

Direct Unsubsidized Loans, in combination with other sources of financial aid, cannot exceed the student's budgeted cost of attendance. The interest rate is fixed at 6.53% for loans disbursed on or after July 1, 2024 and on or before July 1, 2025; the interest rate is fixed for the life of the loan. Interest does not accrue while the student is enrolled for at least six credit hours. Borrowers are charged, by the federal government, an up-front origination fee. For loans disbursed on or after October 1, 2020 and before October 1, 2025 the fee is 1.057%.

Students who have not previously borrowed a Direct Loan - either Subsidized or Unsubsidized - must complete a promissory note; one promissory note will be used for both the Subsidized and Unsubsidized loan programs. The Financial Aid Office will notify new borrowers when a promissory note is available for signature. Borrowers must complete the promissory note and an Entrance Counseling (an online tutorial regarding the student loan borrower's rights and responsibilities) session before the loan funds will be credited to the student's account. The student will begin repayment of all Direct Loans six months after graduation or cessation of at least half-time enrollment. Direct Loans are available during the regular academic year (i.e., fall and spring semesters) and may be available during the summer term, depending upon the student's borrowing during the academic year; to access loan funds during the summer term, students must complete the University's Summer Financial Aid Application and be registered for at least six credits during the course of the summer. In order to receive Direct Loan funding in subsequent academic years, the student must meet the established standards of Satisfactory Academic Progress for federal awards. Direct Loans are applicable to costs associated with study abroad or study at the Washington Center.

Direct Parent Loan for Undergraduate Students (PLUS)

This is a federally funded loan program. Parents (biological or adopted) of eligible dependent undergraduate students (i.e., the student is enrolled as a matriculated student in at least six credits, is U.S. citizen or eligible non-citizen, has maintained Satisfactory Academic Progress, has completed the FAFSA, and is not in default on a prior student loan) may apply for this loan; the parent must also meet general eligibility criteria (i.e., the parent must be a U.S. citizen or eligible non-citizen and must not be in default on a prior student loan). The PLUS loan is not based on financial need, but borrowers must demonstrate creditworthiness. Eligible borrowers may borrow the difference between the cost of attending Monmouth and any other financial aid the student receives.

The interest rate is fixed at 9.08% for loans disbursed on or after July 1, 2024 and before July 1, 2025; the interest rate is fixed for the life of the loan. Interest does not accrue while the student is enrolled for at least six credit hours. Borrowers are charged, by the federal government, an up-front origination fee. For loans disbursed on or after October 1, 2020 and before October 1, 2025 the fee is 4.228%. Interest begins to accrue on the loan once it is disbursed and, unless the parent borrower requests an in-school deferment, the first payment is due sixty days after the loan is fully disbursed. Repayment lasts between ten and twenty-five years based on the total amount borrowed and the repayment option chosen by the borrower.

The parent borrower must complete the application and promissory note online (https://studentloans.gov/myDirectLoan/index.action/). Shortly after the beginning of each term, the University's Financial Aid Office will electronically transmit the funds to the student's account.

Direct PLUS Loans are available during the regular academic year (i.e., fall and spring semesters) and the summer term; to access loan funds during the summer term, students must complete the University's Summer Financial Aid Application and must be registered for at least six credits during the summer. In order to receive Direct Loan funding in subsequent academic years, the student must meet the established standards of Satisfactory Academic Progress for federal awards. PLUS loans are applicable to costs associated with study abroad or study at the Washington Center.

Monmouth University Loan Fund

This loan program is funded by Monmouth University. Awards are made at the discretion of the Director of Financial Aid and are not renewable; the amount of the award is also at the discretion of the Director. Monmouth University Loan Funds may not be applied to costs associated with off-campus study (e.g., study abroad or study at the Washington Center). The terms and conditions of the loan are as follows:

- Interest on the loan is fixed at 7 percent for the life of the loan and begins to accrue nine (9) months after the student ceases at least half-time (i.e., six credits) enrollment. When the student ceases half-time enrollment, he or she enters repayment.
- While in repayment, the student is expected to make quarterly payments of principle and interest of at least $120, although a minimum annual payment of 10% of the principle is required.
- The maximum repayment term is ten (10) years and there is no penalty for prepayment.
- In order to accept the offer of a Monmouth University Loan, students must complete a promissory note and disclosure documents as prepared by the Financial Aid Office.

Alternative Loans

Alternative financing sources are available from private lenders and are a financing option for students who either do not meet the eligibility criteria for the Direct Loan programs, or who have exceeded the borrowing limits for those programs. Generally, students may apply for a loan of up to the cost of education, as determined by the Financial Aid Office, less any other aid. Alternative loans are not regulated by the federal government, and the terms and conditions of the loans may vary widely among lenders and, as such, students are encourage to carefully evaluate alternative loan options. Once you have chosen a lender, complete their

recommended application process. The Financial Aid Office will then certify the loan, and once the semester begins, funds will be forwarded to the University and credited to the student's account.

Although alternative loans are generally not regulated by the U.S. Department of Education, the University is required to publish a Code of Conduct (http://catalog.monmouth.edu/graduate-catalog/financial-aid/loans/Code_of_Conduct.pdf) regarding loans.

Employment

Federal Work Study for Undergraduate Students

This federally funded program provides on- and off-campus employment opportunities in a variety of settings to eligible students. Students are compensated at a competitive wage and may work between five and 20 hours per week during the academic year. Earnings for work performed are paid directly to students every two weeks and are not credited toward student charges for tuition, room, board, etc.

Eligibility and award amounts are based upon demonstrated financial need, in the context of the total amount of financial aid received by the student from all other sources. To be considered for the Federal Work Study program, the student must have filed the FAFSA and meet all eligibility requirements for federal funding. Funding is limited, and priority is given to students who have filed their financial aid application in a timely fashion. Inclusion of Federal Work Study in a student's financial aid package is not a guarantee of employment.

The University also offers a limited number of part-time, on-campus jobs to students not eligible for Federal Work Study; these positions are known as "student help". To be considered for these positions, students must complete the FAFSA and demonstrate that they are ineligible for Federal Work Study. Students employed in student help positions are also compensated at a competitive wage. Generally, students in this non-need-based employment program are limited to a maximum number of twenty hours per week.

For more information on employment, please contact the Student Employment Office (https://www.monmouth.edu/student-employment/) at 732-263-5706 or studemploy@monmouth.edu (http://catalog.monmouth.edu/undergraduate-catalog/financial-aid/employment/studemploy@monmouth.edu).

Satisfactory Academic Progress

Federal regulations require institutions to establish minimum standards of satisfactory academic progress for students receiving federal funding (i.e., Pell Grant, SEOG grant, Direct Loans, TEACH Grant, and Work Study); the New Jersey Higher Education Student Assistance Authority (NJHESAA) requires that recipients of NJ grants and scholarships (i.e., TAG, EOF, Urban Scholarship, NJCLASS loan) meet these requirements as well.

Satisfactory academic progress for federal and state funding at Monmouth University is measured along three dimensions: cumulative grade point average, pace, and maximum time frame. All course work is considered in the evaluation of a student's academic progress, whether or not the student received financial aid at the time the work was completed.

To remain in good standing, a student must meet each of the three requirements:

- **Cumulative Grade Point Average:** Consistent with the general academic requirements of the University, students must meet the following grade point average requirements to retain their eligibility for financial aid:

Year	Credits
Freshmen	1.60
Sophomores	2.00
Juniors	2.00
Seniors	2.00

Please refer to Academic Definitions of freshman, sophomore, junior, and senior class standing.

Note: Students must have earned a cumulative GPA of 2.00 or better by the end of their second academic year of enrollment, regardless of whether or not they have completed enough credits to attain junior class standing.

- **Pace:** All students must successfully complete (i.e., earn a grade of "D-" or better or a grade of "P") at least 67% of the credits they attempt. Repeated courses and course work assigned a grade of "W," "WF," "F," or "I" will not count as credits completed, but will count as attempted credits. "I"ncomplete grades that are later converted to a letter grade are factored into the next regular evaluation of academic progress. Course work taken at the developmental level (i.e., courses numbered "050") will also be counted as credits attempted and, if the student successfully completes the course, as completed credits; a student may not receive financial aid for more than 30 credits of developmental level courses. Credits transferred from another institution will count as both attempted and completed credits. Course work graded on a Pass / Fail basis and that counts toward degree requirements will count as attempted credits and courses in which the student receives a grade of "P" will count as completed credits.
- **Maximum Time Frame:** The maximum number of credits an undergraduate student in a 120 credit degree program may attempt and receive funding for is 180 credits or 150% of the number of credits (120) required to complete the degree program. Course work attempted on a Pass/Fail basis and credits transferred from other institutions will be counted toward the maximum. Students who add majors and/or change majors or degree programs are still subject to the same maximum time frame requirements. Although students may attempt more than 180 credits, federal and state funds will not be awarded for credits attempted in excess of the limit.

Those students who receive scholarship or grant funding from Monmouth University must also meet certain standards for cumulative grade point average as follows:

- Monmouth Academic Excellence Scholarship (3.0)
- Monmouth Academic Grant (2.5)
- Monmouth Incentive Grant (2.0)
- Shadow Lawn Science Grant (3.5)
- Transfer Science Scholarship (3.0)
- Phi Theta Kappa Scholarship (3.0)
- Great Lawn Grant (2.5)
- SOAR Grant (2.0)

- Each sponsored or endowed scholarship may require unique criteria for renewal, and recipients will be advised of those criteria.

Financial aid at Monmouth University is awarded to students for the entire academic year or summer session. Academic progress for all aid recipients is reviewed at the conclusion of the spring semester. If a student has not met **all** of the requisite standards, the student will be ineligible to receive federal, state, and/or institutional funds. Students who are deemed ineligible will be offered the opportunity to submit an appeal for reinstatement of their aid eligibility; refer to the section below for the Appeals procedure. (Please note that submission of an appeal for reinstatement of financial aid does not constitute an appeal for academic reinstatement to the University.)

Appeals Process

Students who fail to meet one or more of the standards (cumulative grade point average, pace, or maximum time frame) noted above are ineligible for financial aid. Students will be notified in writing that they are ineligible and offered the opportunity to appeal. All appeals must be submitted using the Satisfactory Academic Progress Etrieve form and must be received by the stated deadline. Students who do not appeal will remain ineligible for federal and state financial aid, and will (if applicable) receive an automatic reduction to their University grant or scholarship. Students should note that the appeals process for Financial Aid Satisfactory Academic Progress is separate from the University's Academic Standards Review process for academic reinstatement to the University.

Circumstances that might merit an appeal include, but are not limited to: serious illness or injury to the student or a member of the student's immediate family, a death in the immediate family, or other special circumstances outside the student's control. Supporting documentation of the circumstances forming the basis for the student's appeal must be submitted with the appeal. Students who have been deemed ineligible in a prior semester, but who have since improved their performance to the required level are also encouraged to submit an appeal for the reinstatement of their aid; a student's aid will not be automatically re-instated.

The Associate Director of Financial Aid will review the appeal, and may elect to either grant the student a one semester probationary period and require the student to agree to an academic plan or uphold the determination of ineligibility (e.g., cancel the student's financial aid; University grants and scholarships may be reduced.

A probationary period may not last more than one semester and if, at the conclusion of the probationary semester, the student has not met the standards for academic progress their award(s) will be removed. If the student is offered an academic plan, the student must return a signed copy of it to the Financial Aid Office; funding will not be restored to the student's account until the plan has been received. The student's academic progress will be reviewed at the conclusion of each semester that the plan is in force.

Throughout the duration of their enrollment, students may submit a maximum of two appeals based upon the same circumstance. Additional appeals must include a description of what circumstances have changed that would enable the student to meet the requirements for satisfactory academic progress and the allowability of such appeals will be determined on a case by case basis by the Associate Director of Financial Aid.

Students who submit an appeal will receive written notification of outcome of the appeal. Documentation of the student's ineligibility and any subsequent appeals is maintained within the student's financial aid record. Students who leave the University and subsequently re-enroll will be evaluated based upon their status at the point they left.

Return of Financial Aid When a Student Withdraws

Financial aid is awarded under the assumption that the student will attend school for the entire period for which the aid is awarded; students must "earn" the aid they received by remaining enrolled in and attending classes. When a student withdraws (either officially or unofficially) or is dismissed from the University, the student may not have earned the full amount of aid that was initially awarded and may be responsible for repaying the unearned portion of their aid. Determining what aid is earned or unearned is known as the refund / recalculation process, and is separate from the process related to any tuition refund a student may be due after withdrawing. What follows is a description of the financial aid refund / recalculation process, including sample calculations, for federal, University, and NJ State Awards; awards from all other sources are recalculated as per the requirements of the source or if the source doesn't specify, then the award would be treated in the same way as University awards. Although this is a summary, the complete Return of Funds Policy is also available for review upon request.

Process

1. Students are identified as either an "official" or "unofficial" withdrawal. Students who withdraw from all courses by completing either the "Withdrawal From Courses", "Leave of Absence", or "Total Withdrawal From the University" e-forms have withdrawn officially; students who are dismissed from the University are also classified as official withdrawals. If the student stops attending and doesn't notify the University or completes all courses with a combination of "W" and/or "F" grades, the student is an unofficial withdrawal.
2. The Financial Aid Office determines the number of days in the semester the student attended, based on either the withdrawal / dismissal date for official withdrawals or the last date of attendance, confirmed with the instructor for each of the student's courses, for unofficial withdrawals.
3. The percentage of the semester the student completed will be calculated by diving the number of days the student attended by the number of calendar days in the semester, less any break period of 5 or more days; where the last date of attendance can't be confirmed, the midpoint (50%) of the semester will be used in the calculation. If the percentage of the semester completed is 60% or more, all aid is considered "earned" and no further action will be taken. If the student completed less than 60% of the semester, then a portion of their financial aid is unearned and must be returned.
4. The Financial Aid Office completes a series of calculations to determine the type(s) and amount of aid to be returned to the program(s) from which it came. The methods for calculating the amount of federal, University, and/or state aid to be returned are described in detail on the financial aid website (https://www.monmouth.edu/finaid/after-monmouth/withdrawing/financial-aid-when-a-student-withdraws/).
5. Adjustments will be made to the student's account by either removing unearned aid or crediting earned funds not credited prior to the student withdrawing. Monmouth University must then return unearned funds to the aid program they came from; funds must be

returned within 45 days of date the University became aware of the student's withdrawal.

6. The student will receive a revised, hard copy financial aid award letter that documents the changes to their aid. The award letter will be delivered to the mailing address that the student has on file with the University.

Students whose circumstances require that they withdraw from all classes are strongly encouraged to contact the Financial Aid Office and their academic advisor before doing so. At that time, the consequences of withdrawing from all classes can be explained and clearly illustrated.

Students who withdraw from the University may also be entitled to a refund of a portion of their tuition, fees, and room/board charges, dependent upon the point in time at which the student withdraws. See *Refund Policy* for detailed information on the University's tuition, fee, and room/board refund policies.

ACADEMIC PROGRAMS, SUPPORT SERVICES AND REGULATIONS

Degree Requirements

Bachelor's Degrees

The fundamental purpose of Monmouth University is to foster a love of learning and enable our graduates to enjoy a better quality of life and contribute to the greater health and well-being of all communities, human and natural. A Monmouth University undergraduate education provides an understanding of the world in which we live, the skills and knowledge needed to pursue further education and a career, an awareness of civic responsibility including the opportunities for service and leadership in the public interest, and the ability to engage in a lifetime of learning. Specific learning goals are embodied within the six categories described below.

Monmouth University students will be prepared to embark on a journey of lifelong learning and will:

1. Be empowered with a mastery of practical and intellectual skills, including writing, reading, speaking, qualitative and quantitative reasoning, technology, information literacy, and critical thinking;
2. Be informed by knowledge of the natural and social sciences and basic forms of inquiry, including competence in basic research skills, scientific method, collaborative problem solving, and working in interdisciplinary groups;
3. Have self-understanding based upon reflection, judgment, self-examination, independence of mind, and creativity;
4. Have an understanding of the human experience based upon knowledge of history, culture, interdependence, equality, justice, diversity, commonality, and contemporary global affairs;
5. Be responsible for ethics in social interactions, community involvement, and civic action; and
6. Relate academic knowledge to broader life and career pursuits, and acquire a depth of knowledge in a major field.

All candidates for bachelor's degrees must complete the General Education Requirements (p. 44). (Transfer students should also refer to the General Education Transfer Equivalencies (p. 23).) These requirements, generally satisfied in the first two years, provide foundations designed to enhance all major courses of study.

In the senior year, all students take an interdisciplinary perspectives course that affords the opportunity to explore a focused problem, topic, or issue. The ability to bring a variety of intellectual tools to complex problems is encouraged, and course formats include discussion and group projects.

Degree Programs

Monmouth University offers a variety of courses and programs at the undergraduate level. The curriculum provides for general education in the liberal arts and intensive study in one or more major disciplines. Classes are offered year-round during the day and in the evening. Candidates for bachelor's degrees may select majors or concentrations from the following (for specific details, please see the appropriate school section):

Wayne D. McMurray School of Humanities and Social Sciences

Dean: David Golland, Ph.D.

Completion of the following programs leads to the Bachelor of Arts (B.A.) Degree:

- Anthropology
- Art
- Art with a Concentration in Photography
- Communication
- Communication with a Concentration in Journalism, Public Relations, and Sports Communication
- Communication with a Concentration in Media, Content Creation, and Sports
- Communication with a Concentration in Communication, Culture, and Leadership
- Criminal Justice
- Criminal Justice with Social Work
- English
- English with a Concentration in Creative Writing
- History
- History-Political Science Interdisciplinary
- Interdisciplinary Studies
- Music
- Music with a Concentration in Music Industry
- Music with a Concentration in Musical Theatre
- Political Science
- Political Science with a Concentration in International Relations
- Political Science with a Concentration in Legal Studies
- Psychology
- Sociology
- Sociology with a Concentration in Applied Research and Community Organizing
- Spanish
- Spanish and Communication

Completion of the following program leads to the Bachelor of Science (B.S.) Degree:

- Homeland Security

Completion of the following programs lead to the Bachelor of Fine Arts (B.F.A.) Degree:

- Fine Arts in Design and Animation with a Concentration in Animation
- Fine Arts in Design and Animation with a Concentration in Graphic and Interactive Design

School of Science

Interim Dean: Joseph Coyle, Ph.D.

Completion of the following programs leads to the Bachelor of Science (B.S.) Degree:

- Biology
- Biology with a Concentration in Molecular Cell Physiology
- Chemistry

- Chemistry with a Concentration in Advanced Chemistry
- Clinical Laboratory Science with a Concentration in Medical Laboratory Science
- Computer Science
- Marine and Environmental Biology and Policy
- Mathematics
- Mathematics with a Concentration in Statistics
- Medical Laboratory Science
- Software Engineering

Completion of the following programs leads to the Bachelor of Arts (B.A.) Degree:

- Computer Science

Leon Hess School of Business

Dean: Raj Devasagayam, Ph.D.

Completion of the following program leads to the Bachelor of Science (B.S.) Degree:

- Business Administration with a Concentration in Accounting, Accounting Analytics, Economics, Economics and Finance, Finance, Finance and Real Estate, International Business, Operations, Supply Chain, and Data Management, Small Business Management and Entrepreneurship, Leadership and Organizational Development, Marketing, Marketing and Management, or Real Estate

School of Education

***Interim Dean: Wendy Harriott,* Ph.D.**

Completion of the following programs leads to the Bachelor of Arts (B.A.) Degree:

- Education (elementary, secondary, or K-12). Must be combined with a content major from Anthropology, Art, English, English with a Concentration in Creative Writing, History, History/Political Science, Music, Political Science, or Spanish
- Education (elementary) Interdisciplinary Studies for Elementary Educators
- Special Education Endorsement (elementary or secondary). Must be combined with a content major from Anthropology, English, English with a Concentration in Creative Writing, History, or Spanish and Education.

Completion of the following programs leads to the Bachelor of Science (B.S.) Degree:

- Education (elementary or secondary). Must be combined with a content major from Biology, Chemistry, Health/Physical Education, or Mathematics.

School of Nursing and Health Studies

Acting Dean: Shannon Clifford, Ph.D.

Completion of the following program leads to the Bachelor of Science in Nursing (B.S.N.) Degree:

- Nursing

Completion of the following programs leads to the Bachelor of Science (B.S.) Degree:

- Health Studies
- Health Promotion

School of Social Work

Interim Dean: Golam Mathbor, Ph.D.

Completion of the following program leads to the Bachelor of Social Work (B.S.W.) Degree:

- Social Work
- Social Work with Criminal Justice

General Education Requirements

Requirements

Code	Title	Credits
General Education Requirements (45 credits)		
Reading and Writing		
EN-101	College Composition I	3
EN-102	College Composition II	3
Mathematics		
Select one course designated with Course Type: MA at the 100-level or higher (except MA-101)		3
Natural Sciences		
Select two courses designated with Course Type: NS		6
Literature		
Select one course designated with Course Type: LIT		3
Aesthetics and Creativity		
Select one course designated with Course Type: AT		3
Technological Literacy		
Select one course designated with Course Type: TL		3
Reasoned Oral Discourse		
Select one course designated with Course Type: RD		3
Historical Perspective		
Select one course designated with Course Type: HS.SV		3
Social Sciences		
Select one course designated with Course Type: SS.SV		3
Historical Perspective or Social Science		
Select one course designated with Course Type: HS.SV or SS.SV		3
Cultural Diversity/Global Understanding		
Select one course designated with Course Type: CD or GU		3
World Language		
Select one World Language (which includes American Sign Language) course		3
Interdisciplinary Perspectives on the Human Experience		
Select one course designated with Course Type: ISP		3
Completion of two Writing-Intensive Courses Within the Major: WT		*0*
Experiential Education		
Select one course designated with Course Type: EX		0
Total Credits		**45**

Please visit the University website for information regarding General Education Curriculum and Learning Goals. (https://www.monmouth.edu/gened/)

Additional requirements, including major requirements, are referenced in the sponsoring school under the appropriate discipline. The major must be chosen by the end of the sophomore year. All majors require the completion of a minimum total of 120 credits, with at least fifty-four credits from courses at the 200-level or higher. In addition to completing all required course work for the degree, the cumulative grade point average must be at least 2.00 and the grade point average in the major must be at least 2.10 for courses completed at Monmouth. All students must complete the last thirty (30) credits at Monmouth; this requirement is called the "residency requirement." Residency requirements for transfer students are discussed further in the *Admission* section of this catalog under *Transfer Applicants*.

Double-Dipping Requirements in the General Education Curriculum:

Content Area Courses (Mathematics, Natural Sciences (NS), Literature (LIT), World Languages, Aesthetics and Creativity (AT), Historical Perspectives (HS.SV) and Social Science Survey (SS.SV) may carry one additional general education course designation. However, these courses may not be double-dipped with another content area course. World Language courses are prohibited from being double-dipped with courses that carry a Cultural Diversity (CD) or Global Understanding (GU) course code.

Interdisciplinary Courses (Technological Literacy (TL), Reasoned Oral Discourse (RD), Cultural Diversity (CD), Global Understanding (GU), and Experiential Education (EX) may be fulfilled with a stand-alone course that carries the course code, in a course that carries two Interdisciplinary Course Codes, or in a Content Area course that carries an Interdisciplinary Course code. *No course can carry both a Cultural Diversity (CD) and a Global Understanding (GU) course code.*

Writing Intensive Courses (WT) must be fulfilled in courses within a student's major and therefore could be fulfilled either in a stand-alone course that carries the course code, in a course that carries a Content Area general education designation that also fulfills a requirement in a student's major, or in a course that carries an Interdisciplinary general education designation and also fulfills a requirement in a student's major.

No course will be permitted to carry more than two general education course designations. This restriction includes the Writing Intensive (WT) courses.

Rationale

The Purpose of the General Education Requirements at Monmouth University

The purpose of Monmouth University's General Education curriculum is to multiply the intellectual vistas that the student has considered. The curriculum is designed to be a transformative learning experience that inspires intellectual curiosity, critical thinking, and personal growth.

In pursuit of this purpose, the Faculty of Monmouth University has developed a curriculum that draws upon multiple disciplines and perspectives to create an academic experience with a strong emphasis on the liberal arts.

Reading and Writing (EN-101 & EN-102)

The *First Year Composition sequence* prepares students in the conventions, style, and substance of general academic writing while also teaching basic research and documentation skills. Additionally, through exposure to a variety of texts and genres in these courses, students learn to be more discerning and critical readers. Students can apply these experiences and skills to all subsequent coursework.

Mathematics (MA)

Mathematics courses give students opportunities to better understand the quantitative nature of the world and develop logical methods to solve problems in a variety of disciplines. Students taking these courses will learn ways that mathematics can play a role in their academic experience as well as in their lives beyond the campus.

Natural Sciences (NS)

Natural Science courses provide students with understanding of and appreciation for the process and practice of science, while at the same time offering instruction in areas of particular scientific interest. This knowledge will inform their reactions to critical public, professional and personal issues.

Literature (LIT)

Through reading and writing analytically about major literary texts, students in *Literature* courses develop an understanding of the key characteristics in a literary genre. They also learn how these characteristics reflect ethical and cultural concerns across national and class differences.

Aesthetics and Creativity (AT)

Aesthetics and Creativity courses provide students with an understanding of and appreciation for the arts, offering instruction in the specific areas of art, dance, music, and theatre. Through exposure to live performances and exhibits, students learn to view and critique artistic endeavors in an informed and articulate manner.

Technological Literacy (TL)

Technological Literacy courses provide students with knowledge and experience that prepares them to ethically and effectively use current and future technology in their personal, civic, educational and professional lives.

Reasoned Oral Discourse (RD)

Students in *Reasoned Oral Discourse* courses learn to develop and deliver persuasive and effective oral presentations, and to critically evaluate the presentations of others.

Historical Perspective (HS.SV)

History is our collective memory as a society—indeed, history is the foundation of the society we live in today. It provides a rich body of examples for understanding the challenges of daily life, and is an excellent guide for public action. *History survey* courses help students understand the world in which they live through an examination of the broad patterns of the human past, as reflected in written documents, physical artifacts, and oral traditions.

Social Sciences (SS.SV)

Social Science survey courses explore why people think, feel and act the way they do, through the study of anthropology, economics, gender studies, geography (including geographic information systems or GIS), political science, psychology, or sociology. Students explore scientific avenues for understanding the human experience by studying the theoretical underpinnings, major concepts, and methodologies of the social sciences.

Interdisciplinary Perspectives on the Human Experience (ISP)

Interdisciplinary Perspectives courses enable students to synthesize knowledge from many subject areas to forge coherent and ethical responses to contemporary issues and problems. These courses are taken by students in their senior year and they serve as a capstone learning experience in students' intellectual lives within the university.

Cultural Diversity (CD)

Cultural Diversity courses challenge students to recognize differences between people — based on race, ethnicity (ethnic identity), class (economics), gender, sexual orientation, disability, and religion — that affect the lives of individuals, communities, societies, nations, and world regions. Students learn how these differences influence hierarchies of power that exist in our world today. Understanding these differences is essential for students to become engaged citizens in this diverse world.

Global Understanding (GU)

Students in *Global Understanding* courses explore individual and collective responsibilities through analytical, practical, or creative responses to issues facing a global interconnected society. Students' understanding of interconnectedness, difference, and diversity enables them to interact effectively in cultures other than their own.

World Language (WL)

World Language courses provide students with the skills to become marketable global citizens through the study of language within the cultural context in which the language occurs. The curriculum is designed to focus on communication, culture, connections, comparisons, and communities in order to equip students for success in a pluralistic American society and abroad.

Experiential Education (EX)

Experiential Education courses allow students to connect what they have learned in the classroom to external experiences, such as internships (paid or unpaid), research opportunities, service learning projects, or study abroad. Through these experiences students gain deeper understanding and develop field-related competencies. They are able to explore possible future careers and lifestyles while considering local and global options, discover and understand other cultures, reflect upon personal and professional development and relate their experience to life after Monmouth.

Writing-Intensive Courses Within the Major (WT)

The primary goal of *Writing Intensive* courses is to provide Monmouth students with opportunities to practice writing beyond the first-year composition sequence. As a skill that is necessary for both academic and life success, writing mastery requires constant practice, varying based on audience, context, and purpose.

Experiential Education Requirements

Experiential Education courses allow students to connect what they have learned in the classroom to external experiences, such as internships (paid or unpaid), research opportunities, service learning projects, or study abroad. Through these experiences students gain deeper understanding and develop field-related competencies. They are able to explore possible future careers and lifestyles while considering local and global options, discover and understand other cultures, reflect upon personal and professional development, and relate their experience to life after Monmouth.

Examples of ways a student could complete the ExEd requirement include the following:

- Internships (including practicums, fieldwork, and student teaching)
- Service Learning
- Research
- Study Abroad
- ExEd designated courses

Students who wish to learn more about Experiential Education and explore career and service learning opportunities, potential courses, and placement options in each academic discipline are encouraged to visit the program's Web site. Experiential Education courses are listed in the Catalog, designated with course type "ExEd", in the "Registration" section of WebAdvisor for students under "Sections Offered by Term (Search for Classes), and on the program's interactive Web site (http://www.monmouth.edu/exed/).

Students must consult their faculty advisors to learn more about the specific ways in which the ExEd requirement is completed in their respective disciplines, to plan for meaningful work and service experiences that are relevant to their personal and career goals, and to follow the process for applying for ExEd credit. When students plan for an internship practicum, service learning, or corporate project they must complete fifty (50) hours for every one credit of experiential course work.

Beyond satisfying the ExEd requirement, students are encouraged to explore additional experiential learning opportunities that foster critical thinking and that emphasize the application of real-world knowledge and skills.

Nontraditional students who have returned to school after gaining experience in the work world should inquire about the **Experiential Education Portfolio Policy**. Work experience that can be documented (including military service) can serve as credit for the ExEd requirement.

To further explore internship and service learning opportunities, students should contact Career Services, located in the lower level of the Rebecca Stafford Student Center.

To learn more about Study Abroad, students should contact the Global Education Office, located in Room 29 of the Rebecca Stafford Student Center.

Experiential Education Portfolio Policy

The portfolio process was designed for the nontraditional student who has returned to school after experience in the work world that can be documented (including military service) and serve as credit for the

experiential education requirement within his or her major. Students who wish to submit a portfolio package for consideration in fulfillment of the Experiential Education general education requirement must produce a body of official documentation, which is outlined below.

1. The departmental chairperson should initiate a memo to which all copies of the documentation from the student are attached. Chairs should indicate their agreement or reservations for approval and then forward the package to the chair of the Experiential Education Committee. The documentation must include:
   a. resume;
   b. a minimum 3-5-page academic piece, such as a short research paper or reflection journal on past learning activities, if the student did not carry out the internship/service learning activity for academic credit or under faculty supervision (from any post-secondary institution);
   c. academic transcript;
   d. company/organization letters that verify work experience for which the student is trying to get credit;
   e. brief statement that outlines the time frame, circumstances, and manner under which the experience occurred;
   f. Individual departments have the option to add additional requirements to this procedure.
2. After receiving and assessing such work, the chair will send the Dean's Office the completed academic piece and the student's portfolio; the Dean's Office will then forward this information to the Experiential Education Committee for final approval. After all of the appropriate signatures have been obtained, the memo will then be forwarded to the Registrar for appropriate accreditation.

Students must demonstrate through a detailed dossier a substantial background of career or community service experience related to their chosen program of study. While each department will determine the guidelines for portfolio experience, it is recommended that students have engaged in a particular career or community service activity for at least four consecutive years.

All portfolio dossiers must be reviewed and receive initial approval by the department chairperson and school dean before they are forwarded to the chair of the Experiential Education Committee.

Students cannot exercise the portfolio option if the department of their chosen academic studies requires certain Experiential Education courses as part of their major.

Experiential Education Travel Class Policy

A travel class is defined as any trip taken with a faculty member to be exposed to learning opportunities out of the classroom.

Faculty may request that a travel class be considered as an experiential education class if the course meets the following guidelines:

1. Students will engage in a learning project, prearranged with a supervisor at the destination (not the faculty member) for a minimum of fifty (50) hours/one (1) credit.
2. Students will produce a daily log, reflective essay, and an external evaluation from their supervisor while at the destination.
3. The course will comply with all other Experiential Education requirements regarding percentage of assignments and number of hours, etc.
4. If faculty offers the class for some students as Experiential Education and some without Experiential Education credit, classes can be cross-listed as such on a case-by-case basis.

Dual Majors

Students wishing to simultaneously satisfy the requirements of two degree programs should observe the following guidelines:

- The "Change Program Major" e-FORM should be used to declare intent of satisfying the requirements of two degree programs.
- The official curriculum for each degree program is the curriculum in effect at the time of declaring that particular degree program.
- The student is responsible for coordinating the course requirements of the two curricula and should seek appropriate advising in both departments.
- The student will receive one diploma stating both major programs if each program is associated with the same degree; if the degrees are different, two diplomas will be issued. The fact of the dual majors should be declared before the time of the application for graduation.
- A student's major must contain eighteen (18) or more credits distinct for each degree program and any additional programs (e.g., a minor)
- Students following dual programs must complete both programs to graduate.

Minors

Minor programs are designed to let students pursue a guided course of study in an area outside their major. Minors normally require at least one-half the number of credits of the major. Courses transferred into Monmouth University may apply toward the minor, but at least nine credits must be earned at Monmouth University. A 2.10 minimum grade point average is required in the minor.

Once a student declares a minor, his or her academic program will be modified to include the minor. The Registrar will record the minor on the student's transcript only after the student has completed the minor and has satisfied all requirements for the appropriate baccalaureate degree. Students with a declared but incomplete minor at the time of completion of their major will not graduate unless written notice is received by the Office of the Registrar to delete the minor. The written notice must be received no later than ten (10) days prior to graduation.

Students cannot minor and major in the same discipline. A student's minor must contain six (6) or more credits distinct from the student's major requirements and any additional programs (e.g., a second minor). This does not include interdisciplinary requirements of a student's major, which may be applied to the student's minor in another discipline. Credits required as part of a concentration are not considered distinct credits. Other restrictions might apply. Individual minors may require additional unique credits; please refer to curriculum chart. To review Minor program requirements please navigate to the applicable departmental page in this catalog.

Second Baccalaureate Degree

Monmouth University graduates with a baccalaureate degree desiring to return to Monmouth University for an additional baccalaureate degree must satisfy, by taking additional courses, a minimum of thirty (30) additional credits of the curriculum requirements in effect at time of readmission and declaration of the major. Any student who has completed a degree program at Monmouth University will be considered

to have met the residency requirement, but transfer credits taken subsequent to the first degree program may not be applied toward the second baccalaureate degree.

Students with baccalaureate degrees from other institutions who wish to enter Monmouth to receive a second baccalaureate degree will be accepted on a case-by-case basis and must satisfy the existing policy for transfer students. Please see the *Admission* section of this catalog for more details. Students may not pursue a second baccalaureate degree in the same major. Students requesting second baccalaureate degrees in a major where a graduate degree exists will likely be denied acceptance into the second baccalaureate degree upon School/department review. If an application for a second baccalaureate is considered, only credits relevant to the second baccalaureate degree will be evaluated for designated course credit; all other credits will be designated as free electives. Students enrolling for a second baccalaureate must satisfy all Monmouth general education requirements. A minimum of thirty (30) curriculum credits must be completed to receive a baccalaureate degree. Additional credits may be necessary in order to satisfy curriculum requirements in the second baccalaureate.

Credits Awarded for Advanced Placement Exams

AP Exam	AP Score	Monmouth Credit Awarded for	Credits
African American Studies	3,4,5	ADS-246	3
Art-Drawing Portfolio	4, 5	AR-191	3
Art-Gen Portfolio	4, 5	AR-001	3
Art-Gen Portfolio	3	Apply to Department	0
Art-History of	4, 5	AR-241	3
Art-Studio Art 2-&3-d Port.	3, 4, 5	Apply to Department	0
Biology	3	BY-104	3
Biology	4, 5	BY-110	4
Calculus AB	3	No Credit	0
Calculus AB	4, 5	MA-125	4
Calculus BC	3	MA-125	4
Calculus BC	4, 5	MA-125 and MA-126	8
Chemistry	3	CE-101	3
Chemistry	4, 5	CE-111/CE-111L/CE-111R	5
Chinese	3	FO-002	3
Chinese	4, 5	FO-002	6
Computer Science A Exam	4, 5	CS-175 and CS-175L	4
Computer Science Principles	4, 5	CS-001	3
Environmental Science	3, 4, 5	BY-220	3
European History	3	FE-001	3
European History	4, 5	HS-102	3
French	3	FF-201	3
French	4, 5	FF-201 and FF-202	6
French Literature	4, 5	FF-301	3
German	3	FG-201	3
German	4, 5	FG-201 and FG-202	6
Govt. & Politics Comparative	3, 4, 5	PS-102	3
Govt. & Politics U.S.	3, 4, 5	PS-103	3
Human Geography	3	FE-001	3
Human Geography	4, 5	GO-101	3
Italian	3	FI-201	3
Italian	4, 5	FI-201 and FI-202	6
Japanese	3	FO-002	3

Japanese	4, 5	FO-002	6
Language & Comp	3, 4, 5	EN-101	3
Latin (until 7/2021)	3	FL-002	3
Latin (until 7/2021)	4, 5	FL-002	6
Latin Literature	3	FL-002	3
Latin Literature	4, 5	FL-003	3
Literature & Comp	3	EN-001	3
Literature & Comp	4, 5	EN-202	3
Macroeconomics	3, 4, 5	BE-202	3
Microeconomics	3, 4, 5	BE-201	3
Music Theory	4, 5	MU-221	3
Physics 1	3	PH-101	3
Physics 1	4, 5	PH-105 and PH-105L	4
Physics 2	3	PH-101	3
Physics 2	4, 5	PH-106 and PH-106L	4
Physics C Mech	3	PH-101	3
Physics C Mech	4, 5	PH-211 and PH-211L	5
Physics C E & M	3	PH-101	3
Physics C E & M	4, 5	PH-212 and PH-212L	5
Precalculus	4, 5	MA-109	3
Psychology	4, 5	PY-103	3
Research	3, 4, 5	Apply to Department	3
Russian (until 6/2023)	3	FO-002	3
Russian (until 6/2023)	4, 5	FO-002	6
Seminar	3, 4, 5	Apply to Department	3
Spanish	3	FS-201	3
Spanish	4, 5	FS-201 and FS-202	6
Spanish Literature	4, 5	FS-301	3
Statistics	3, 4, 5	MA-151 or CJ-211	3
U.S. History	3	FE-001	3
U.S. History	4, 5	HS-202 (History Majors Only)	3 OR
U.S. History	4, 5	FE-001 (Non-History Majors)	3
World History	3	FE-001	3
World History	4, 5	HS-101 or HS-102	3

The Honors School

The Honors School offers a program for high-achieving and highly motivated students to participate in a supportive living-learning community that provides enhanced curricular and co-curricular experiences. This program fosters enthusiasm for intellectual inquiry as a lifelong process and incorporates interdisciplinary approaches to education to encourage the intellectual and ethical growth necessary for a successful college and post-college life.

Honors students work closely with faculty mentors as they pursue scholarly research, writing, and dissemination. They complete twenty-six honors credits, twelve at the lower level in general education, nine at the upper level, often in their major, and five specific to completing their honors thesis/capstone. Students fulfill their twelve general education credits by taking sections designated for honors students. Limited in size to no more than twenty students, these honors classes promote faculty and student rapport and participation. Many courses such as in English, History, Anthropology, Psychology, Sociology, Art, and Music, are "clustered" together by a cohesive theme that encourages seeing the connections among different fields of study, thereby encouraging an integrative approach to learning. Students in the cluster take these courses together, further fostering friendship and collaborative learning. For students whose strengths lie in Math and Sciences, we also offer honors sections at the lower level.

At the upper level, students complete twelve (12) credits of honors courses in the major or other field of study, culminating with five credits distributed over three semesters to complete the Honors Thesis/Capstone. The capstone thesis or project is completed as a tutorial, with the close support and academic guidance of faculty mentors. The Honors School also offers students the opportunity to be considered for the prestigious Freed Award for the best completed Honors Thesis/Capstone, as well as the William P. Mitchell Award for the Dr. William P. Mitchell Excellence in Honors Award for outstanding service to the Honors School.

In addition to the academic curriculum, the Monmouth University Honors experience is enriched by numerous social, cultural, and academic co- and extracurricular activities, including participation in the Peer Mentor Program and the Honors School Association. Honors students can fully immerse in a living-learning community by opting to house in Beechwood Residence Hall. Regardless of where they live, all Honors students can take advantage of Beechwood's main floor study lounge and lower level social lounge. Honors students who commute can park in designated parking spots behind Beechwood. These combined features make Beechwood Residence Hall a unique living-learning experience for Honors students to foster academic, social, and professional relationships with their peers as they live, relax, study, attend classes, and grow together.

Honors students also enjoy enhanced opportunities after graduation. In addition to gainful employment, more than 50 percent of Honors School students go on to pursue graduate and professional degree programs. Graduation from the Honors school is noted on the student's transcript and diploma. Best of all, Honors School students know that they have completed a program that encourages serious intellectual exploration in a supportive environment.

B.A. or B.S. in Interdisciplinary Studies

Please contact the Honors School to discuss the available options for these programs.

Study Abroad

Monmouth University encourages students to add an international dimension to their undergraduate education by studying abroad. Qualified students can participate in study abroad either through Monmouth University's Signature semester and summer programs in cities like Buenos Aires, Cádiz, Florence, London, Sorrento, and Strasbourg; through short-term study abroad programs led by Monmouth University faculty; or through any program offered by an approved or accredited U.S. institution of higher education. Students who plan to study abroad in a program other than one sponsored by Monmouth University cannot enroll through another school or consortium when that program is offered through Monmouth University.

Studying abroad at any of Monmouth's Signature programs or through other approved programs will satisfy the experiential education component of the general education requirements provided that a minimum of six credits are successfully completed.

Students wishing to study abroad must meet the following qualifications:

1. At least sophomore status.
2. A minimum GPA of 2.75.
3. Not on judicial probation.
4. Not on academic probation.

Students must meet these criteria at the time of application and immediately prior to studying abroad. Failure to do so will result in the student's removal from the study abroad program.

Monmouth University's Signature Study Abroad Programs

Tuition for the Monmouth study abroad programs is charged at the same rate as on-campus tuition. All merit awards and scholarships apply, except for athletic scholarships and tuition remission. Students attending the Monmouth programs will have all grades listed on their transcript and calculated into their grade point average (G.P.A.). Institutional credit will be granted for all earned grades.

Students considering this opportunity should consult the Global Education Office staff on the first floor of the Rebecca Stafford Student Center or by emailing the Global Education Office (GEO@monmouth.edu) with your questions. More information and application instructions for the 2023/24 semester programs can be found on the Monmouth Global Programs (https://monmouth-sa.terradotta.com/) website and below:

- Monmouth in Buenos Aires, Argentina - ISA (https://monmouth-sa.terradotta.com/?FuseAction=Programs.ViewProgram&Program_ID=32427)
- Monmouth in Cádiz, Spain - University of Cádiz, Andalusia (https://monmouth-sa.terradotta.com/?FuseAction=Programs.ViewProgramAngular&id=32430) (summer only)
- Monmouth in Florence, Italy - Lorenzo de' Medici (https://monmouth-sa.terradotta.com/?FuseAction=Programs.ViewProgramAngular&id=32428) (summer and fall only)
- Monmouth in London, England - University of Westminster & CIS-Abroad (https://monmouth-sa.terradotta.com/?FuseAction=Programs.ViewProgramAngular&id=42321)
- Monmouth in Sorrento, Italy - Sant'Anna Institute (https://monmouth-sa.terradotta.com/?FuseAction=Programs.ViewProgramAngular&id=44040) (spring only)

Non-Monmouth Study Abroad Programs

Students who choose the option of studying abroad under the auspices of other accredited programs must meet the study abroad criteria specified above, complete the Monmouth University study abroad application on the Global Education Office's section of the Portal, and follow the guidelines as provided on the "Study Abroad – non-Monmouth Program" form available from e-FORMS. The e-FORM will be electronically routed for approvals, with an e-mail confirmation when all approvals have been obtained.

Faculty-Led Study Abroad Programs

Monmouth Global Seminars are short-term, faculty-led study abroad programs that foster academic achievement and improve students' global understanding. These seminars serve a variety of students in disciplines across the university and often fit students' budgets and busy calendars. Annually more than 100 Monmouth University students venture abroad in this manner.

Here's where Monmouth Faculty can lead you:

- Sorrento, Italy
- Cádiz, Spain
- San Jose, Costa Rica
- London, England
- Delhi, India
- Falmouth, Jamaica
- Aachen & Cologne, Germany
- The Bahamas

The Washington Center

Monmouth University is affiliated with the Washington Center that provides semester and summer internship programs in Washington, DC, for all majors. Internships in the capital that combine on-the-job experience with academic study are available in the White House, Congress, the courts, cabinet-level agencies, think tanks, professional and trade associations, print and electronic media, financial institutions, law firms, with lobbyists, high-tech industries, museums, theaters, advertising agencies, and market research firms. The Monmouth University liaison to the Washington Center is Dr. Joseph Patten, Political Science Department, Bey Hall.

An internship course number will be assigned for use by any department wishing to place interns. Specific application of credits to degree requirements will be approved by the department chair and school dean in advance of enrolling. Students register for fifteen credits: twelve for the internship and three for the academic course. Students who successfully complete the Washington Center Program automatically satisfy the experiential education requirement.

Accelerated Programs

In several programs a student may complete requirements for a baccalaureate degree within three calendar years. Students who are considering such an accelerated program should consult with advisors to plan their course sequences carefully.

Certificate Programs

Certificate programs offer students an opportunity to obtain a concentrated education in a specialized area. Students who successfully complete the stated requirements and have a minimum G.P.A. of 2.10 for the certificate courses will be awarded the appropriate certificate. Certificates are awarded on the dates when degrees are conferred (with the exception of the Information Technology Certificate, which can be awarded prior to graduation). Curriculum charts for certificate programs are available at www.monmouth.edu (https://www.monmouth.edu/registrar/documents/).

These Certificate Programs are not related in any way to Certification Endorsement Programs for teachers.

Air Force ROTC

Monmouth University and Rutgers University have an agreement permitting students at Monmouth University to cross-enroll in the Air Force Reserve Officers' Training Corps (ROTC) program at Rutgers University. The Air Force ROTC program provides students the opportunity to study and train for careers in the U.S. Air Force. Students who successfully complete the program are tendered commissions as second lieutenants.

To qualify for enrollment, a student must be physically qualified, be enrolled as a full-time student, and be of good moral character. Enrollment in the Air Force ROTC involves no military commitment during the freshman and sophomore years. The advanced portion of the program is contractual and is scheduled during the junior and senior years. Obligations include enrollment in the Reserves, successful completion of field training between sophomore and junior year, and acceptance of a reserve commission, if tendered.

Monmouth students must complete a "Permission to Take Courses" e-FORM prior to taking classes at Rutgers in order to have the ROTC credits apply toward degree requirements.

Students cross-enrolling for the ROTC courses are charged separately by Rutgers for these courses. Uniforms and textbooks are supplied to all students enrolled in both the basic and advanced programs. A deposit fee is required for textbooks and uniforms. This fee is refunded when textbooks and uniforms are returned. Students enrolled in the advanced program receive a subsistence allowance from the Air Force while enrolled.

Air Force ROTC scholarships of various lengths are available. These scholarships are awarded on the basis of academic performance, scores on the Air Force Officer Qualifying Test, results of a medical examination, and a personal interview.

For further information, call 848-932-7706, write to:

Air Force ROTC Det 485
Rutgers University
190 College Ave
New Brunswick, NJ 08901-1199

or send an e-mail (rotc485@afrotc.rutgers.edu). Information is also available on the ROTC Web site (http://afrotc.rutgers.edu).

Army ROTC

Monmouth University and Rutgers University have an affiliation agreement permitting students at Monmouth University to cross-enroll in the Army Reserve Officers' Training Corps (ROTC) program at Rutgers University. The Army ROTC program provides students the opportunity to study and train for careers as Commissioned Officers in the U.S. Army. Students who successfully complete the four-year ROTC program and their undergraduate degree program commission as second lieutenants in the Active Duty Army, the Army Reserve, or the NJ Army National Guard.

To qualify for enrollment, a student must be physically qualified, be enrolled as a full-time student, and be of good moral character. Enrollment in the Army ROTC involves no military commitment during the freshman and sophomore years. The advanced portion of the program is contractual and is scheduled during the junior and senior years. Obligations include enrollment in the Reserves, successful completion of a Leadership Development and Assessment Course in the summer between the junior and senior years, and acceptance of a reserve commission.

Monmouth students must complete a "Permission to Take Courses" e-FORM prior to taking classes at Rutgers in order to have the ROTC credits apply toward degree requirements.

Students cross-enrolling for the ROTC courses are charged separately by Rutgers for these courses. Uniforms and textbooks are supplied to all students enrolled in both the basic and advanced programs. Contracted ROTC students receive a subsistence allowance from the U.S. Army Cadet Command.

Army ROTC scholarships of various lengths are available. Scholarships cover tuition and fees at Monmouth University and Rutgers University and a book stipend. These scholarships are awarded on the basis of academic performance, the Army Physical Fitness Test, results of a medical examination, and a personal interview.

For further information, call 848-932-3216, write to:

Army ROTC
Rutgers University
157 College Ave
New Brunswick, NJ 08901

or send an e-mail (Michelle.Lawrence@armyrotc.rutgers.edu) to Mrs. Michelle Lawrence, Secretary, Department of Military Science. Information is also available on the ROTC Army Web site (http://armyrotc.com/edu/rutgers/).

Academic Support Services

The Center for Student Success

The Center for Student Success (CSS) provides academic and career counseling for all students. Academic advising for **transfer students** is coordinated in the CSS. The Center administers Monmouth's Early Warning System (MEWS) for several student populations including first year students, athletes, and **undeclared sophomores**. MEWS is utilized to identify students who are experiencing academic difficulty and connects them to their advisors and/or appropriate learning resources across campus. Advising for undeclared sophomores is designed to help with exploration of different majors while taking courses that satisfy degree requirements. Students are required to declare a major no later than the

end of sophomore year. Additionally, throughout the year, the CSS offers numerous workshops related to academic, personal, and career topics.

Career Development offers many services and resources in order to assist students with career exploration, career planning, part-time employment, internships, experiential education, and job placement. Students are provided assistance in exploring their career values, interests, and skills.

All students have the opportunity to attend career fairs and meet with many prospective employers who visit the University at the invitation of **Career Development**. In preparation, students are given professional assistance in writing effective résumés and in acquiring interviewing skills to make the fullest possible use of these opportunities. In order to maintain close ties between the University and its students after graduation, Monmouth continues to offer these services to alumni. Job opportunities are available to students and alumni through Handshake (https://www.monmouth.edu/career-development/student-handshake-account/), our online job board.

The CSS provides administrative support for the **Experiential Education** requirement. Please refer to the *Experiential Education Requirements* section of this catalog for a complete description of the requirement and the related Web site.

The **Office of Service Learning and Community Service** provides students with information about service learning and volunteer opportunities in nonprofit agencies, schools, and governmental organizations. Through service learning and volunteering, students can explore their personal, career, and intellectual potential while increasing their knowledge of community needs.

Services for First-Year Students

The Office of First Year Advising in the Center for Student Success is a key resource for first-year students at Monmouth University, offering academic advising and major and career services for all first-year students. First Year Advising offers programming designed to help first-year students experience the challenges, opportunities, and support needed to succeed at Monmouth. Students are encouraged to take part in academic and co-curricular activities that are supported by this office to promote their growth and learning.

Academic Advising

All first-year students receive comprehensive academic advising from specially trained faculty as part of our First Year Advising Program. Although most students tend to think of advising as simply assistance in registering for courses, the Office of First Year Advising strives to build an advising relationship that works holistically to help students develop their academic, career, personal, and social interests.

New Student Orientation

All new first-year students, commuters and residents, are expected to attend New Student Orientation. This structured program includes educational and social activities designed to ease the transition to college life at Monmouth and to give students opportunities to meet and interact with other new students. During orientation, students meet faculty, staff, and students with whom they will interact with during their first year.

Throughout the academic year, many programs are offered to continue the transition process. The SHADOW Program, First-Year Service Project, leadership development opportunities, and social programming are led by the Office of Student Engagement.

Major and Career Choices

Monmouth University believes that everyone can benefit from career advising, whether it involves help in choosing a major, access to career interest resources, a workshop on resume writing, meeting with faculty across departments, and other related topics. First Year Advising offers students a great deal of support with their major and career choices. Students can assess their career interests in a variety of ways, and we strongly encourage all first-year students to begin this exploration as early as possible.

Online Community: SOAR

SOAR (Support, Orientation, Advisement, and Registration) is an online community for new students that provides important information relevant to their first year and beyond. SOAR provides critical information about many first-year experiences, including career and major exploration opportunities, help in understanding course requirements for majors, and information for building student schedules.

Parent Orientation

It stands to reason that parents, guardians, and family members who are informed are better prepared to help their first-year students navigate the challenges ahead. Parents are encouraged to become familiar with transition issues, the nature of how a university works, the federal laws affecting the sharing of student information, and the wide variety of resources, support services, and activities available to students.

The Division of Student Life coordinates Parent and Family Orientation, which is designed to help family members of incoming first-year students learn more about Monmouth University and how to help their students make a successful transition to college life. These programs provide a broad range of information and the opportunity to meet with representatives from various departments across campus. Please visit our Parent and Family website (https://www.monmouth.edu/parents-and-families/) for a robust list of resources. Parents and families are encouraged to sign up for the Monmouth Family Connection (https://www.monmouth.edu/parents-and-families/monmouth-family-connection/), a free online resource available on any device where you can receive important updates and information.

Services for Transfer Students

The Office of Transfer Services assists undergraduate students transferring in eighteen or more credits. Initially, Transfer Services connects deposited students with their faculty advisors for course registration and academic advisement, while acting as a second layer of support for new students.

Transfer Services also helps transfer students transition into Monmouth University. Our online pre-orientation highlights academic and transfer credit policies, career and academic support services, and guides students to complete their preparations before classes begin. New Transfer Student Orientation welcomes students to campus by providing a dynamic venue to explore helpful resources while forming connections with faculty, staff, and student peers.

Lastly, Transfer Services plans workshops, events, and individual appointments to assist current transfer students. Programming focuses on helping students maximize their academic potential, explore career options holistically, and prepare for life after Monmouth.

Reverse Transfer

Students who transfer to Monmouth University from a New Jersey community college now have the opportunity to complete their associate degree through credits earned at Monmouth. Students can "reverse transfer" credits taken as part of their bachelor's degree back to their former community college by meeting the criteria below outlined in The Statewide Reverse Transfer Agreement. (http://catalog.monmouth.edu/undergraduate-catalog/academic-programs-support-services-regulations/academic-support-services/statewidereversetransfer.pdf)

Eligibility
In order to participate in the reverse transfer process:

- Students must have met the residency requirement and designated minimum grade point average at the community college prior to enrollment at the four-year institution.
- Students must have applied and been admitted to the four-year institution.
- Following enrollment at the four-year Institution, students must have earned a cumulative total of 66 semester hours between the community college and the four-year institution.
- Students must be current with financial obligations to both the four-year institution and the community college.
- Students must have met all of the graduation requirements of the community college.

How it Works
Please visit The Office of Transfer Services' Reverse Transfer website (https://www.monmouth.edu/transfer-services/?page_id=882&preview=true) for information on how to initiate the reverse transfer process.

Student Success Services

Student Success Services, including Tutoring and Writing Services and the Math Learning Center, provide personalized academic assistance. Students may be referred by professors, may be required to attend as a result of placement testing, or may come voluntarily.

Tutoring and Writing Services

Located in the Center for Student Success, **Tutoring and Writing Services** provides free, personalized academic assistance to all students of the University. Students may be referred by faculty members and advisors or come voluntarily.

Undergraduate content-specific tutoring by peer tutors is available in most academic disciplines and students are encouraged to make appointments at accudemia.monmouth.edu. Academic coaches offer weekly one-on-one sessions focusing on executive functioning skills such as time management, note taking, test taking, and college level reading strategies. In addition, academic skills workshops on strategies for college success are offered throughout the semesters and are open to all undergraduate students. For more information, please contact **Tutoring Services** at 732-263-5721, by e-mail (tutoringservices@monmouth.edu) or by visiting the Tutoring Services Web site (http://www.monmouth.edu/tutoring/).

Peer, professional, and faculty writing assistants are available to help students with all stages of the writing process, across all disciplines, from the initial drafting of the assignment through the final stages of editing and proofreading. Writing Services also offers assistance with grammar and punctuation skills and documentation styles.

Students can make an appointment for writing services online (https://mu.accudemia.net/Private/Main.aspx?Referer=http://www.monmouth.edu). For more information, please contact **Writing Services** at 732-571-7542, by e-mail (writingservices@monmouth.edu) or by visiting the Writing Services Web site. (http://www.monmouth.edu/writing/)

Peer-Assisted Learning (PAL) is a peer-facilitated academic assistance program designed to help students succeed in traditionally difficult courses. PAL sessions are regularly scheduled, informal review sessions that involve collaborative learning activities through which students can clarify course concepts and practice the types of study strategies that will help them truly master the information and skills required by the target course. Professors will notify students if their course has PAL support. For more information about PAL, please call 732-571-3637 or visit the PAL Web site (http://www.monmouth.edu/si/).

The **Math Learning Center**, located in Howard Hall room 203, provides students with assistance in all levels of mathematics. Peer tutors are available to help students solve problems and to review concepts. In addition, students may use the Center to do homework assignments or to study for tests while having a student tutor available. For more information, contact the Department of Mathematics at 732-571-4461.

Disability Services

At Monmouth University we believe a supportive environment contributes to a students' success. Accommodations are available to qualified students with disabilities through the Department of Disability Services (DDS).

To begin the process of applying for services, students should complete the Confidential Registration Form (https://www.monmouth.edu/disability-services/current-students-2020/) located on the DDS website and submit appropriate documentation (https://www.monmouth.edu/disability-services/documentation-guidelines/). Please see the DDS webpage for details about documentation requirements. Students should contact the DDS office at dds@monmouth.edu and/or (732) 571-3460 with any questions related to eligibility of services.

Educational Opportunity Fund Program

The Educational Opportunity Fund (EOF) is one of the nation's most comprehensive and successful state-supported efforts to provide access to higher education for economically disadvantaged students. EOF assists low-income New Jersey residents by providing supplemental financial aid to help cover college costs and provides academic support services, developmental counseling, and career guidance throughout the student's college career. EOF students must be enrolled full-time. A five-week, residential, pre-freshman summer program is required of all incoming EOF freshmen. Additional information is available from the EOF Office, located in the 600 Building.

Pre-Professional Health Advising Programs

Pre-Health Advising for Medicine, Vet, Physician Assistant, Dental, Physical Therapy, Occupational Therapy, Optometry and Other Health Careers

Designed to foster motivated, caring, and communicative students who intend to pursue careers as physicians and healthcare professionals, Monmouth University's Pre-Medical, Pre-Dental, Pre-Vet, Pre-PA, Pre-PT, Pre-OT and other health careers preparation chart a uniform course of study under the mentorship of the Pre-Health Advising Department. The preparation encompasses all undergraduates intending to attend medical school, veterinary school, dental school, a physician assistant, occupational therapy, physical therapy, optometry, or any graduate course of study in the health professions.

Pre-Health Advising prepares undergraduates for medical school as well as other health professional schools, including dental, veterinary medicine, physician assistant, physical therapy, occupational therapy and public health. Pre-Health Advising works closely with the Center for Student Success (CSS) and Undergraduate Admission.

Most pre-medical students major in biology or chemistry, as a strong foundation in basic science is vital to success in professional education. However, it is possible to major in another field, and to take the prerequisite science courses for health professional schools. Students from diverse majors, including health studies, psychology and Spanish, have been successful by being exceptional in both their majors and in science courses. Non-science majors are encouraged to use their free electives for biology and chemistry courses, as taking more science than the minimum prerequisite courses for health professional schools is advised. An increasingly complex and global medical profession demands healthcare professionals to have broad cultural knowledge and excellent communication skills. Therefore, pre-health students are encouraged to excel in humanities courses as well as in science. Students geared towards a career in healthcare should also seek out volunteer and shadowing opportunities as early as possible. Leadership skills can be enhanced through participation in pre health clubs, campus clubs and organizations.

Preparation for health professional schools begins in the freshman year. Incoming first-year students are encouraged to indicate their future career aspirations to their academic advisor during orientation where they will receive a pre health registration form to fill out and return to the PHA office. The sequential nature of the natural and physical science courses chosen requires careful planning if students are to meet the requirements of their chosen professional schools. Throughout the academic year, students are encouraged to attend all meetings for the different career professions, health professional graduate program information sessions, grade specific and application cycle meetings as well as presentations by healthcare providers. The director attends the major national and regional health profession conferences to remain current, concerning both developments in the field and medical and professional school requirements. In addition to pre requisite course advisement, pre health provides students with information on admissions tests, such as the MCAT (Medical College Admission Test), DAT (Dental Admissions Test), and Graduate Record Examinations (GRE Test). The PHA prepares students for entrance interviews at professional health schools, including conducting mock interviews. Pre Health Advising also composes and provides a comprehensive letter of recommendation to professional health schools, which is one of the most important parts of the admissions package.

Pre-Health Advising is pleased to offer the following affiliation programs:

Early Assurance Admission Program to the Doctor of Medicine Program at Rutgers Robert Wood Johnson Medical School

Monmouth University and Rutgers Robert Wood Johnson Medical School are collaborating to provide early exposure to the medical school, individualized mentorship, healthcare delivery, and other areas related to the healthcare profession. This Early Assurance Program is for junior standing Monmouth University students. This a pipeline opportunity that includes summer enrichment programs and a conditional early acceptance to medical school. The applicant must be from a group underrepresented in medicine (as defined by the medical school); and/or educationally disadvantaged (first generation college student) background and/or economically disadvantaged. The applicant must be able to complete their pre-requisite courses and degree within four years. The applicant must have an overall GPA of at least 3.5 with a science GPA 0f 3.3. (Science GPA includes biology, chemistry, physics, biochemistry and mathematics courses).

Rowan-Virtua - School of Osteopathic Medicine

Monmouth University offers a cooperative academic arrangement between Monmouth University and Rowan-Virtua School of Osteopathic Medicine so that highly qualified students can complete the required courses for the baccalaureate and osteopathic medicine degrees in an eight-year sequence. This program is composed of four years of approved undergraduate study at Monmouth University and four years of study in Osteopathic Medicine at Rowan University-SOM. Eligibility for entry into the program at the end of the sophomore year is limited to Monmouth University students who are citizens or permanent residents of the United States and who have completed a minimum of sixty (60) credits with a major in biology or chemistry, and meet the following requirements:

1. overall G.P.A. of 3.50 or higher,
2. receive a recommendation of support from the PHA, and
3. submit scores of all components of the SAT or the ACT.

Candidates must maintain a 3.50 G.P.A. at Monmouth University, with no science course grade lower than a "B." Candidates will be interviewed by the PHA at Monmouth University and by Rowan-Virtua SOM and must achieve a competitive score on the MCAT (determined by Rowan University-SOM) by September 15 of their senior year. The decision for final admission to medical school will be made by the Rowan-Virtua SOM and will be based on a candidate's satisfaction of the school's admission requirements.

Monmouth University Physician Assistant Program

The Monmouth University Physician Assistant Program began accepting students for its first class in Fall 2014. The Physician Assistant program allows qualified students to pursue a three-year Master of Science in Physician Assistant degree following a bachelor's degree at Monmouth University. Preference for interviews for this program is given to Monmouth University undergraduates.

St. George's University (SGU), Grenada, B.S./M.D. and B.S./D.V.M. 4 +4 Program

In this program, students will begin their studies at Monmouth University (MU). After successfully completing four (4) years of undergraduate

study and earning a B.S. degree at MU, qualified students who satisfy all respective admission requirements will proceed to Grenada and enter the first year of St. George's University School of Medicine or St. George's University School of Veterinary Medicine. Qualified medical students will be eligible to complete the first two (2) years of medical study in Grenada and the final two (2) years of this combined program in clinical rotations at affiliated hospitals in the U.S. and/or the U.K. Qualified veterinary students will be eligible to complete the first three (3) years of veterinary study in Grenada and their final clinical year at affiliated veterinary schools in the U.S., U.K., Canada, Australia, or Ireland.

Undergraduate students must express interest in one of the combined degree programs at time of application to Monmouth University. MU and SGU will select candidates based on criteria and conduct undergraduate interviews. The eligible medical student will maintain a G.P.A. of at least 3.40 while at MU and a score of 498 or higher on the MCAT. For the veterinary student, a GPA of 3.3 with no science grades less than "C" must be maintained while at MU and a score of at least 304 (combined verbal reasoning and quantitative reasoning) on the GRE. Additionally, all qualified MU students must meet all admission criteria of SGU School of Medicine and SGU School of Veterinary Medicine including a successful interview with SGU.

Students apply to this joint program from high school. There is no cap on the number of students who can be accepted. There is no binding commitment for the student to attend SGU once accepted into the program. They may choose to apply and enter another school if accepted.

American University of Antigua – College of Medicine

American University of Antigua will allow qualified sophomores to apply to Monmouth University to be accepted into a "4 + 4" program with AUA College of Medicine. Qualified students (up to five per year) would complete four years at Monmouth University (with a major in biology or chemistry), and would continue to AUA College of Medicine to earn the Doctor of Medicine (MD) degree. Accepted students must maintain an overall 3.25 G.P.A. at Monmouth University and a 3.25 G.P.A. in all prerequisite courses required by AUA College of Medicine, with no more than one "D" or "F" in any prerequisite course. Candidates must also obtain a total MCAT score of 20 or higher, receive a letter of recommendation from the PHAC, and be successfully interviewed by the AUA College of Medicine. Acceptance to this program is non-binding, and students in the program are eligible to apply to additional schools.

American International College of Arts and Sciences – Antigua (AICASA) – Monmouth University Bachelor of Science degree

Students who achieve an Associate's Degree from the American International College of Arts and Sciences (Antigua) may be offered admission to Monmouth University to complete a Bachelor of Science degree in Biology or Chemistry if the following qualifications are met:

- Be in good academic and disciplinary standing;
- An overall cumulative college grade point average (G.P.A.) of 3.00 or higher; high school applicants must have at least a 3.00 cumulative high school G.P.A. and 1500 three-section SAT score;
- No "F" or "D" grade in any required course by Monmouth University;
- Monmouth University does not represent that students admitted pursuant to this agreement will be able to complete the degree requirements. Each student is responsible for planning his or her undergraduate education to develop the skills necessary to succeed in a demanding degree program;
- Transfer credit will be awarded as specified in the Monmouth University catalog.

Students interested in any of the pre-professional health programs should contact 732-571-3687 for specific requirements and to seek advising.

Pre-Requisite Course Requirements for health professional schools taken at Monmouth University

College graduates who wish to enter medical or other health professional schools but have not completed the prerequisite course requirements may enroll at Monmouth University to complete the necessary credits as a post-baccalaureate student. If interested, please contact the Office of Admission at 732-263-5869. Once a student is admitted to Monmouth University as a post-baccalaureate student, Pre-Health Advising provides academic advising in preparation for admission into a medical or other health professional school.

Instructional Technology Support

Monmouth University fully supports the use of technology in teaching/learning through the comprehensive services of Information Management. All students are provided with an official email account and storage for course-related files and Web pages. Faculty are encouraged to integrate a variety of technologies into their courses and are provided necessary training and support to do so. Beyond making use of our learning management system for content presentation and online participation, many employ a variety of Web-based tools to increase student collaboration, participation, and engagement. In addition, the Monmouth University Library catalog and digital databases are available online, as are many instructional materials used in individual courses. The University has a fully networked and wireless-enabled campus with over 1,000 computers available to students in various lab configurations including Windows, macOS, and Linux. A comprehensive complement of software is available throughout campus in these labs, and course-specific software is made available in departmental computing labs.

> **For all Information Management service needs, call the Help Desk at 732-923-4357 (HELP) or email helpdesk@monmouth.edu. Normal hours are Monday through Friday from 8 a.m. until 9 p.m. (5 p.m. on Fridays during the summer). **Please note Help Desk hours are subject to change; check the myMU Portal for the most recent schedule. Media technicians for classroom and event coverage are also on site until 10 p.m. Monday through Friday, with abbreviated availability on weekends. For more information on the services of Information Management, please visit their** Web page (http://www.monmouth.edu/Campus_Technology.aspx)**.**

Student Technology Assistant Program (STAP)

The Student Technology Assistant Program (STAP) offered by the University provides students with the opportunity to gain practical experience in the field of technology. With positions available in various areas, STAP offers flexible employment for approximately 20 undergraduate and graduate students from all majors each semester. STAP allows students to stay up to date with technology trends by working in the University's open computer labs where they gain hands-on experience managing critical IT infrastructure. They may also work at the Student Help Desk providing technical support to fellow students, faculty, and staff, developing their problem-solving and customer service skills. STAP members acquire practical expertise in operating and troubleshooting multimedia equipment that is valuable in professional settings such as communications and media production.

The experience gained through STAP is a valuable addition to their résumé, demonstrating to potential employers that they have gained real-world experience in a technology-related role.

Guggenheim Memorial Library

The Guggenheim Memorial Library builds and maintains collections to support the teaching and scholarship mission of the University, whether online or in our historic library. Conveniently located adjacent to the residence halls, the library is a comfortable space where patrons can do so much: we have Wi-Fi, 110+ computers, network printers, copiers, document scanners, two classrooms, quiet study space, group meeting space, lounge space for casual reading, outdoor reading tables and benches, and a modest cafe.

Serving our faculty and students with resource materials needed to support both curriculum and research needs, the Guggenheim Memorial Library is the center of learning and research. The Library provides robust access to a diverse collection of more than 400,000 monographs, e-Books, print journals, e-Journals (full text), media titles, microfilms, reference materials, and special collections, including government documents, the New Jersey Collection, the Mumford Collection, and the Library Archives. Coupled with Interlibrary Loan and reciprocal borrowing privileges, access to more than 2.I billion holdings in over 72,000 libraries located in 170 countries around the world is only a request away.

Library online services (http://library.monmouth.edu) are available twenty-four hours per day, seven days per week, and include research guides customized by subject area that can be helpful in jump-starting any project. The building is open seven days a week during the regular semester (until midnight Sunday-Thursday) and our staff is delighted to help, so please ask. We can support our patrons' needs in many ways, for any assignment, via phone at 732-571-3438 or e-mail (referenc@monmouth.edu) or one-on-one consultation by appointment.

Grades

The grading system is as follows:

Grade	Description
A, A-	**Exceptional performance**
B+, B, B-	**Strong performance** (for undergraduate students); Average (for graduate courses)
C+, C, C-	**Adequate performance** (for undergraduate courses); **Poor** (for graduate courses)
D+, D, D-	**Poor performance** (available for undergraduate courses only)
F	**Failing performance.** This grade is given for failure in a course; for unofficial withdrawal from a course after the deadline (see “W” grade); or, in some instances, when an Incomplete grade is not changed by the end of the next regular semester (see “I” grade).
P	**Pass.** This grade is given for satisfactory completion of a course that is graded on a Pass/Fail basis. This grade is not used in computing a student’s cumulative grade point average (GPA).
R	**Re-Registration Required.** This undergraduate grade is given when a student has made significant, but not sufficient, progress in a developmental course. (See section entitled Developmental Courses.) This grade is not used in computing a student’s cumulative grade point average (GPA).
S	**Satisfactory progress.** This grade is given at the end of the first semester when satisfactory progress has been made in a course, which is part of a sequence of courses that take more than one semester to complete.
AU	**Audit.** This grade is given to a student who attends a class for the purpose of acquiring knowledge, without earned credits. The auditor is expected to attend classes, do assigned reading, and participate in class discussions, but is not required to take examinations.
T	**Transfer.** This grade is given to incoming students for courses accepted for transfer by Monmouth University. This grade is not computed in the grade point average (GPA).
W	**Withdrawal.** This grade is given for withdrawal from a course or courses up to five weeks before the last day of classes in a regular semester or its equivalent in a shorter term. See the academic calendar for the last date to withdraw in a given semester or term.

I	**Incomplete.** This grade is given in cases where permission has been granted by the instructor to postpone completion of specific required work, such as a laboratory project or report or a missed final examination. This grade is not intended for situations where, in the judgment of the instructor, the student must retake the course for an entire semester in order to earn a passing grade. The Incomplete grade, therefore, should not be used in cases where a grade of "W" or "F" would be appropriate. The student must complete the work within the time granted by the professor and no later than the end of the next regular semester. If the unfinished work is not completed within the specified time, an "F" grade will be recorded, unless the instructor indicates otherwise at the time the Incomplete was originally approved. Not available for thesis courses. For thesis courses that are graded on a Pass/Fail (P/F) scale, when the grade of "I" is assigned, the grade will be converted to "'S'." Similarly, in non-thesis courses graded on the P/F scale, when the grade of "S" is submitted, the grade will be converted to "I".
NR	**No Report.** This temporary grade is given by the Registrar when no grade has been received from the instructor at the time that official grades are issued.
X	**Credit by Exam.** Portfolio Credit.
Q	**Waived.** This graduate grade is determined by the appropriate department to indicate that certain course requirements are waived. This grade is not computed in the student's grade point average (GPA).

Undergraduate Grade Point Averages

Grade points are awarded for each credit on the basis of grades as follows:

Grade	Value
A	4.0
A-	3.7
B+	3.3
B	3.0
B-	2.7
C+	2.3
C	2.0
C-	1.7
D+	1.3
D	1.0
D-	0.7
P	0.00
F	0.00

Thus, if a student completes a three-credit course with a grade of A, twelve (12) grade points are awarded. To calculate the grade point average (G.P.A.) for a given semester, a student should divide the number of grade points awarded by the number of credits attempted (excluding withdrawals and developmental courses). The official G.P.A. is rounded to two decimal places.

To calculate the cumulative G.P.A., the total number of grade points awarded is divided by the total number of credits attempted (excluding withdrawals) in all sessions at Monmouth University. Calculation of a major GPA includes all courses falling under the major/interdisciplinary portion of a program.

Grades received in developmental courses are not counted in the computation of the student's semester or cumulative grade point averages. Refer to *Repeating a Course* for a discussion of repeating a course and its impact on the G.P.A.

Repeating a Course: Impact on the G.P.A.

Students have one opportunity to repeat any regular course in which a grade of "F," "D-," "D," "D+," or "C-" has been assigned. On-demand or requested courses (independent studies, co-ops, special topics classes, etc.) are not grade repeatable, in that the second grade earned will not replace a prior grade. When a course is repeated, the second grade for the course will be used in calculating the cumulative grade point average, regardless of whether the second grade is higher or lower than the first. If both attempts of the course earned passing grades, only the most recent set of credits and grades will be applied to the student's academic record. Students cannot repeat a scheduled course using an independent study for G.P.A. improvement.

Grade Reports

A grade report is e-mailed to each student approximately ten days after the end of each semester. Final grades are recorded on the student's official academic record. The Office of the Registrar does not respond to individual requests for grades until after the grade reports have been generated. Undergraduate midterm grades are only provided online.

Student Complaints About Grades

A student who wishes to file a complaint about a course grade should attempt first to resolve the matter through a discussion with the faculty member who taught the course in question. If the faculty member is unable to resolve the matter, the student may contact the department chair in writing, stating the basis of the complaint. Such complaints should be sent to the appropriate department chair within six weeks following the receipt of final grades. Before changing a grade, a chair must, in a timely manner, attempt to discuss the grade with the faculty member who assigned it. A student who is not satisfied with the decision of the department chair may appeal the decision in writing to the dean of the school housing the course. The decision of the academic dean is

final. A faculty member who disagrees with a chair's change of grade may also appeal the chair's decision in writing to the dean, whose decision is likewise final.

Change of Grade Requests

In those rare cases where a faculty member determines that a change of grade is warranted, the request must be submitted and approved by the department chair and school dean. All changes must include specific reasons that support the proposed change. Changes beyond one year require the additional approval of the Academic Standards and Review Committee (ASRC). Students are not permitted to complete or submit additional work after a term/semester concludes in an effort to improve a grade, unless the original grade was an "I" (incomplete). Changes to grades after a student has graduated will not be considered.

Undergraduate Graduation Rates

Graduation rates for the student cohorts of first-time, full-time freshmen are available at the Office of Institutional Research and Effectiveness located in Great Hall, room 206.

Academic Definitions

Undergraduate Student Classification

Regular (Matriculated)/Non-Matriculated

All students—those attending during the day, in the evening, or weekends—are classified as either regular (matriculated) or non-matriculated.

A regular (matriculated) student is one who has been admitted and who intends to earn a degree. The class standing is determined by the number of credits earned as follows:

Year	Credits
Freshman	0–29.5 credits
Sophomore	30–59.5 credits
Junior	60-89.5 credits
Senior	90 credits or greater

A non-matriculated student is one who is not a candidate for a degree. Non-matriculated students are subject to the same fees and regulations as regular students. See the Admission (p. 18) section of this catalog for further information about admission as a non-matriculated student.

Full-Time/Part-Time

Undergraduates who carry twelve (12) or more credits during a semester are classified as full-time students. The normal semester course load for full-time students is fifteen (15) to eighteen (18) credits. Those who carry fewer than twelve (12) credits are classified as part-time students.

Maximum Course Load

Undergraduate students who wish to carry nineteen (19) to twenty-one (21) credits in a regular term must obtain the permission of the department chair. Students wishing to enroll for more than twenty-one (21) credits need the permission of both their department chair and school dean. Undergraduate students are limited to twelve credits total for the summer without prior permission from the school dean. Students are strongly urged to avoid attempting more courses than they can complete satisfactorily.

Auditor Classification

An auditor is a student who attends a class for the purpose of attaining knowledge but not to earn credits. The auditor is expected to attend classes, do assigned readings, and participate in class discussions but is not required to take examinations.

Students who wish to audit a class must complete a “Permission to Audit a Class” e-FORM, which is available from the Monmouth University portal, *myMU*. The permission form must be received prior to the third class meeting. Auditor registration is subject to course section availability. No more than two (2) courses may be audited per semester. Students may not change the status of their registration in a course to “audit” or to “for credit” during the term. Auditors may be removed from classes after registering if seats are needed for matriculating students.

Part-time students who audit classes will be charged at the audit rate regardless of their status (matriculated or non-matriculated); the audit rate is one-third of the regular per-credit tuition rate.

Full-time undergraduates whose total semester credits (including those in audited classes) are in the twelve (12) – eighteen (18) range will be billed at the full-time tuition rate. If a full-time undergraduate audits a class whose credits put the total credit load in excess of eighteen (18) credits, the credits beyond eighteen (18) will be billed at the audit rate.

The transcripts of auditors, who, in the judgment of faculty members, do not attend class or participate sufficiently, will not reflect the audited courses.

Credit Hours Defined by Course Type

Information regarding credit hours by course type (http://www.monmouth.edu/university/credit-hours-defined.aspx) is available on the Monmouth University Web site.

This resource provides the following information for all lecture, seminar, laboratory, clinical, and art studio classes:

- Course-type definitions;
- Minimum contact time per week;
- Minimum instructional time total;
- Minimum out-of-class student work per week and total per semester;
- Total number of instructional contact hours and student work out-of-class hours.

Please visit the Monmouth University page to obtain the detailed information regarding this topic.

Undergraduate Honors and Awards

Dean’s List

The Dean’s List is the official recognition of outstanding academic achievement. Inclusion on the Dean’s List is based on the comparative semester grade point average for that semester. Monmouth University students who fall within the top 20 percent of their major program by semester grade point average are recognized on the Dean’s List for that semester. Undeclared students will be grouped as one major. Students pursuing multiple degrees will be eligible for the Dean’s List if they fall within the top 20 percent of any major they are pursuing. In addition to the requisite class standing, a student must have a cumulative grade point average above 3.30 and must have completed all semester course work, except for the Honors Thesis Preparation and the Thesis. This list is

compiled each spring and fall semester immediately after the conclusion of the semester. Part–time students will be evaluated for inclusion on the fall or spring semester Dean's List each time twelve or more credits are accumulated in successive semesters. Credits utilized for inclusion on the Dean's List will not be considered for subsequent Dean's Lists.

Graduation with Honors

To graduate with honors, a baccalaureate degree recipient must have earned at least fifty-three (53) credits at Monmouth University and have a cumulative GPA no lower than 3.50. Three levels of honors are distinguished and indicated on the diploma:

- *cum laude* for students earning a GPA between 3.50 and 3.64;
- *magna cum laude* for students earning a GPA between 3.65 and 3.84; and
- *summa cum laude* for students earning a GPA between 3.85 and 4.00.

Students who received academic amnesty (see *Academic Amnesty* for more information) are not eligible to graduate with honors.

Department Honors

Department Honors are available for undergraduate students majoring in Art, Biology, Chemistry, English, Spanish, Sociology, or Political Science. Department Honors are noted on the student transcript, and a letter will be issued by the chair of the department.

Curriculum of Record

A student's curriculum of record is the set of degree requirements associated with the student's particular major that is in effect at the time that major is declared. If major requirements are changed, students may elect to update to the newer version of the major requirements by sending written notification to both the major department and the Office of the Registrar.

The official curriculum of record is maintained in the Office of the Registrar. Students may review their curriculum requirements from their academic audit which is available through the University portal, *myMU*, under Self-Service, Student Planning, and locate My Progress.

Undergraduate Developmental Courses

Developmental courses are defined as those that have pre-college-level content. Students are required to enroll in and successfully complete developmental courses that are specified as a result of the placement testing process. These courses are designed, and required of the students who place into them, in order to provide students with the skills needed to succeed in college-level work. Such courses carry institutional credit only, will not be used to satisfy degree requirements, will not be counted in the computation of the student's semester or cumulative grade point average, and will not be counted toward the total number of credits needed for graduation. However, successfully completed developmental courses will be considered in the calculation of

1. credit standing for priority registration,
2. credits earned for freshman athletes, and
3. credits completed for the determination of academic probation and eligibility for academic dismissal.

Students who successfully complete developmental mathematics will earn grades of "A" through "C-"; "D" grades are not used for developmental courses.

Students who are required to enroll in developmental courses, all of which carry the course number "050," must satisfactorily complete their developmental course work within one year following their initial registration. Students who, on the first attempt, make satisfactory progress but do not complete all course requirements will receive a grade of "R" (see "GRADING (p. 56)") and are required to re-register for that course during the following semester. Students who do not make satisfactory progress in developmental courses will receive a grade of "F" (see "GRADING (p. 56)"), are required to re-register for that course during the following semester, and are on academic probation until the course is successfully completed.

Students who have not passed required developmental courses by the end of the second semester will be subject to review, and possible dismissal, by the Academic Standards and Review Committee.

Academic Regulations

Academic Amnesty

Academic amnesty provides former students of Monmouth University, who had been academically dismissed, an opportunity to improve their grade point averages and extends to them the privileges enjoyed by transfer students. In order to be eligible, a former student of Monmouth University must have been away from the University for at least three years. Academic Amnesty is granted when students are re-admitted, but only once and not for any subsequent re-admissions.

Under Academic Amnesty, courses previously taken at Monmouth with grades of C- or below will be excluded from GPA calculations and students will not receive credit for them. Students may opt to keep some of their low grades so that the courses do not have to be repeated, but they would then be included in their GPAs. These must be determined in consultation with the department chair, Dean, or Director of Undeclared Services and specified in writing.

Academic Amnesty will also apply to courses re-taken successfully at other institutions while away from Monmouth University. (In general, courses must have minimum grades of C to transfer, but some schools or departments may have more stringent requirements.) Those grades will transfer as T and will remove the prior grades from GPA calculations. They will then be able to serve as prerequisite courses, as long as the grade obtained at the other institution was high enough to meet Monmouth's prerequisite specifications. (In some cases, this may have to be done by override.) Transfer courses will be subject to existing credit limits and other regulations specified in the Undergraduate catalog, as well as criteria that may be school or department specific.

Students who receive veterans' educational benefits who are approved for academic amnesty should be aware that they will not be entitled to VA benefits when taking courses that satisfy requirements that were satisfied prior to academic amnesty.

Academic amnesty will be posted after a student re-matriculates at the University. Students receiving Amnesty must meet the residency requirement by taking the last thirty (30) credits at Monmouth University with a minimum of fifteen (15) in the major field. A grade point average adjusted by amnesty shall not be used to determine general honors upon graduation.

Regardless of Academic Amnesty, none of the grades earned by a student at Monmouth University will be expunged from the student's permanent record or excluded from any transcript sent from Monmouth University. Courses that receive no credit under the grant of amnesty shall not be used later for fulfillment of any degree requirement. Any decision to accept Amnesty for a selected course is final and can not be revoked or changed.

Evaluation of applications for academic amnesty shall be made by the Academic Standards and Review Committee in consultation with the appropriate departments. The Committee will inform the Registrar of its decision and of courses affected by the granting of amnesty.

nt of amnesty shall not be offered later for fulfillment of any degree requirement, and a grade point average adjusted by amnesty shall not be used to determine general honors upon graduation.

Evaluation of applications for academic amnesty shall be made by the Academic Standards and Review Committee in consultation with the appropriate departments. The Committee will inform the Registrar of its decision and of courses affected by the granting of amnesty.

Academic Honesty

Monmouth University encourages its students to grow intellectually as well as to become responsible citizens in our complex society. To develop their skills and talents, students are asked to conduct research, perform experiments, write papers, work individually, and cooperate in group activities. Academic dishonesty subverts the University's mission and undermines the student's intellectual growth. Dishonesty in such academic practices as assignments, examinations, or other academic work cannot be condoned. A student who submits work that is not original violates the purpose of Monmouth University and may forfeit their right and opportunity to continue at the University.

The University has an obligation as an educational institution to be certain that each student's work is their own. Note that Monmouth University faculty members have access to Turnitin (http://www.turnitin.com), a Web-based plagiarism-detection resource that compares the text of student papers to an extensive electronic database. This database includes current and archived Internet resources, periodicals, journals and other publications, and past student papers from Monmouth and other educational institutions. All student assignments may be subject to submission for textual similarity review to Turnitin (http://www.turnitin.com) for the detection of plagiarism. All submitted papers may be included as source documents in the Turnitin reference database (solely for the purpose of detecting plagiarism of such papers). Faculty are expected to inform students in advance about which assignments will be checked for originality using Turnitin. Use of the Turnitin service is subject to the Usage Policy posted on the Turnitin (http://www.turnitin.com) site.

Academic Probation

A major concern of the University is to provide students with appropriate notice whenever their academic status is in jeopardy. Academic probation is designed to serve this purpose.

Any first-semester full-time freshman student, or part-time student with up to 19 credits completed, who fails to achieve a GPA of 1.50 will be placed on academic probation; such a student who fails to earn at least a 1.00 will be considered for academic dismissal. Any student who has earned a minimum of eighty (80) credits and who fails to achieve the minimum major GPA as established by the content major will be placed on academic probation until his or her major GPA reaches the graduation minimum.

All other students are placed on probation when the cumulative GPA falls below 2.00. Additionally, any student who receives a grade of "F" in a developmental course will be placed on probation and will remain on probation until the course is successfully completed.

Students on probation...

- should not be absent from any classroom exercise, scheduled class function, laboratory, or conference period.
- are not permitted to self-register using WEBregistration, but instead must make all schedule changes with their academic advisor.
- are urged to seek academic counsel from their faculty advisors or department chairs to help them improve their academic standing.
- may be advised to curtail employment, change their major curriculum (see *Academic Probation*), reduce the number of credits attempted, or restrict participation in extracurricular activities.

In addition, any student determined to be on probation at the end of an academic term is not permitted to hold higher officer in any University Organization or to participate in a varsity sports competition. If a spring sport varsity athlete is determined to be on probation during their championship season (including post-season competition), the athlete is permitted to compete up until the Completion of their championship season (including post-season competition), provided they have met all other NCAA eligibility requirements. If a fall or winter sport varsity athlete is determined to be on probation during their championship season, the athlete is permitted to compete up until the start of the spring semester, provided they have met all other NCAA eligibility requirements.

Good Academic Standing

- Any student who falls below a 1.5 cumulative GPA after completing 12 credits is no longer considered to be in Good Academic Standing.
- Any student who falls below a 1.8 cumulative GPA after completing 24 credits is no longer considered to be in Good Academic Standing.
- Any student-athlete deemed not in Good Academic Standing at any point is no longer permitted to participate in a varsity sports competition immediately, per NCAA Bylaw 14.01.2.1, until the student-athlete has regained a status of Good Academic Standing; and meets all other NCAA, conference, and institutional rules.
- All varsity sport student-athletes must meet all NCAA, conference, and institutional academic eligibility requirements above. In addition, a student must be in Good Academic Standing to compete in varsity competition.

Academic Dismissal

A student shall become subject to academic dismissal for any of the following conditions and may be dismissed without prior warning:

- For failing to meet these minimum standards:

Credits Completed[1]	Minimum Cumulative GPA
12–19 credits	1.00
19.5–35.5 credits	1.60
36–56.5 credits	1.80
57 and more credits	2.00

[1] *Credits completed include credits for all courses not officially withdrawn from, and all transfer credits accepted by, Monmouth University (though only credits earned at Monmouth are computed in the GPA).*

- For failing to earn a semester GPA of at least 1.00 (if a full-time student), or a GPA of 1.00 in any combined consecutive semesters within which at least twelve credits have been attempted (if a part-time student);
- For failure to earn a passing grade in a required course after the maximum number of allowable repeats (see *Repeating a Course*);
- For failure to earn the minimum major GPA as set by the content major after three (3) consecutive semesters;
- For failure to successfully complete all required developmental courses within the first year of attendance;
- Upon the recommendation of the student's chair or school dean.

A student who has been dismissed for the first time has the right to appeal that decision in writing to the Academic Standards and Review Committee. Second dismissals are not subject to appeal except for factual error. A student may apply for readmission three years after the second dismissal. See *Readmission to the University after Academic Dismissal* for information on readmission following academic dismissal.

Attendance

Monmouth University believes that attendance is essential to success in academic courses. Therefore, class attendance is required. The University believes that learning is an interactive process dependent in part on the student and is not just a matter of the passive absorption of information. The University also believes that to benefit fully from their respective courses, students need to participate in, and contribute constructively to, the classroom experience, and, secondly, that the success of any course depends as much on what students contribute to the class as on what the instructor presents.

Grades in courses are normally based on academic performance (participation, contribution, and examination). However, individual faculty members may adopt reasonable regulations that additionally relate grades to class attendance. All professors must state their specific attendance policies in a written statement containing the pertinent course requirements and give it to the students during the first week of the semester. A student who may not be present at a particular class or laboratory is, nevertheless, responsible for adhering to the attendance requirements of the course. A student absent from class due to inclement weather may not be penalized for that absence but are required to contact their faculty regarding the timely completion of assignments.

Students are not permitted to attend classes for which they have not officially registered (as determined by the Office of the Registrar). If students attend without prior registration, they are subject to disciplinary actions, inclusive of suspension and/or dismissal, and will not be permitted to "retroactively" enroll.

Course Withdrawals

Students are expected to complete the courses for which they register. On occasion, however, withdrawals are warranted. (See section entitled "Grades (p. 56)" for a description of the "W" grade and associated procedures.) Students who do not intend to complete any course for which they are officially registered should execute an official withdrawal prior to the "W" deadline.

Students who do not intend to complete one or more courses for which they are registered should submit an official withdraw e-FORM, Withdraw from Course (https://etcentral.monmouth.edu/) by the stated deadline on the academic calendar (https://www.monmouth.edu/registrar/academic-calendars/). The Withdraw from Course (https://etcentral.monmouth.edu/) e-FORM should also be used when withdrawing from ALL courses and intending to return to Monmouth University in the future.

Students withdrawing from ALL courses with NO intention to return to the University must use the Total Withdraw from University (https://etcentral.monmouth.edu/) e-FORM.

Except under unusual circumstances, such as prolonged illness, a student will not be permitted to withdraw from course work past the stated deadline in the academic calendar. All students who do not complete courses and who have not executed an official withdrawal prior to the deadline indicated will receive "F" grades for such courses.

Fourteenth Week Class Schedule

Fourteenth week classes shall be held during a time scheduled by the University.

Fourteenth week information is available on the "Registration Information (http://www.monmouth.edu/registrar/registration_information/default.asp)" page of the Monmouth University Web site. A student who has three or more fourteenth week classes scheduled in one day may request that one of them be rescheduled to another day. It is normally the middle one of the three that is rescheduled. The class should be given at a time agreed upon by both the student and the faculty member on or before the end of the fourteenth week class period.

Portfolio Assessment

Students interested in a portfolio assessment must have attained matriculated status and accumulated a total of at least six (6) college credits at Monmouth University. There is a non-refundable fee per area of assessment (please refer to the current catalog for the fees). Interested students should download, complete, and submit the Application for Portfolio Assessment to the Registrar's Office (which shows proof of payment), along with one copy of their portfolio. The form is available on the Registrar's forms page. (http://www.monmouth.edu/registrar/forms.asp)

Graduation

All undergraduate students are required to complete a minimum of 120 credits; some degrees require more credits. Individual program requirements are included on the applicable department page of this catalog. Additionally, all undergraduates must meet a minimum 2.00 overall grade point average (GPA), a minimum major GPA of 2.10 (except for Education majors who are held to a 3.00 minimum GPA, and Nursing majors who are held to a 2.75 minimum GPA), and, if applicable, a minimum 2.10 minor GPA. Calculation of a major GPA includes all courses fulfilled in the major and interdisciplinary areas of the audit.

Diplomas are mailed 2-3 weeks following the graduation date, provided that all University obligations have been met. In addition, Monmouth University provides a ***Certified Electronic Diploma (CeDiploma)***, an official and verifiable PDF version of the diploma. A link to download the ***CeDiploma*** will be available for you to download on Commencement Day.

In those rare instances when a student has not met all degree requirements, but for whom a change to the academic record is received by the Office of the Registrar within one week following the graduation, the student will be considered for the earlier graduation. The effective date of the change must be on or before the actual date of the graduation. Changes received later than one week beyond graduation will not be considered for prior graduation but will be part of the next graduation cycle.

Only students who have completed all graduation requirements, including, but not limited to, course work, credit requirements, GPA minimums, residency requirements, and the like, will be allowed to participate in Commencement.

Independent Study

Independent Study courses permit a student to pursue a research project or guided readings in a subject area not substantially covered in the curriculum. Normally, no more than one Independent Study course may be scheduled during a single academic term.

A student's advisor must submit the appropriate e-FORM, Undergraduate or Graduate Independent Student Application, on the student's behalf. The form will be routed by the Registrar's Office to the supervising professor, department chair, and school dean for their approval prior to registration in the course. Generally, students are expected to complete no more than six (6) credits of independent study. Any exceptions must be approved by the dean of the school in which the student's major is housed. **Failure to process the Independent Study Application within the required timeframe may impact financial aid status and may jeopardize participation in Commencement.**

Repeat Policy: Repeating a Course*

A course in which a grade of "C" or higher has been earned may not be repeated without the student first obtaining written permission from the appropriate department chair and the dean of the school in which the student is enrolled. If written permission is not received, the student may be administratively dropped from the course.

Students have one opportunity to repeat any regularly offered course in which a grade of "F," "D-," "D," "D+," or "C-" has been assigned. On-demand or requested courses (independent studies, co-ops, special topics, service learning, or certain experiential education courses) are not grade-repeatable in that the second grade earned will not replace a prior grade. When a course is repeated, only the second grade for the course will be used in calculating the cumulative grade point average, regardless of whether the second grade is higher or lower than the first. If both attempts of the course earned passing grades, only the most recent set of credits and grades will be applied to the student academic record. Students cannot repeat a scheduled course with an independent study for GPA improvement. The permanent academic record will contain a listing of all course registrations and grades. Students wishing to repeat a course ordinarily should do so no later than the next time that course is offered at Monmouth University during the regular academic year. Exceptions must be approved by the advisor.

If, after repeating a course once, a grade of "C" or higher has not been earned, at the request of the student, a determination will be made by the appropriate dean, upon recommendation of the department chair, as to whether special circumstances exist to justify a second repeat of the course. When a course is repeated for the second time (third attempt), only the third grade for the course will be used in calculating the cumulative grade point average, regardless of whether the previous grades for that course are higher or lower than the third. A student found to be registered for a second repeat of a course, who has failed to obtain the dean's permission in advance, will be administratively dropped from the course.

*Note:

Please consult with your department to determine if your program requires that a course(s) be completed with a grade higher than "C". A course repeat would be necessary if the minimum grade requirement set by the department has not been achieved. Students must also consult with their department to determine what impact course repeats may have on continuation in their program.

Student (Biographical) Data

Any currently enrolled student whose biographical data (e.g., name, address, or Social Security number) has changed must inform the Office of the Registrar in writing. Requests for name or Social Security number changes must be accompanied by legal documentation. Biographical information is not changed for previously enrolled students; alumni should contact the Office of Alumni Affairs to report biographical changes.

Permission to Take Courses at Another Institution

It is expected that Monmouth University students, once enrolled, will complete all degree requirements at Monmouth University. However, in recognition that students may, on occasion (usually in the summer), have sound academic or personal reasons to take courses at other accredited institutions, they may request permission to do so. In evaluating such requests, consideration will be given to the relationship between the student's classification and the type of institution the student seeks to attend.

A student who requests permission (using e-FORMS) to take courses at another institution must be in good academic standing. The student should not be enrolled in classes at Monmouth during the semester or term in which permission is sought. The student must receive permission in advance from the chair of the department in which the student's major is housed, the school dean, and the Registrar. The student must present supporting evidence of course equivalency. Permission is granted for free elective courses and required courses in the "interdisciplinary requirements" portion of your program, but not for general education or major courses. Major courses include courses within the concentration, if any. Students may not repeat a course at another institution that they have previously attempted at Monmouth University.

Once a student attains junior status (completed sixty-one [61] or more credits), permission will not be given to take courses at any two-year institution. For credit to become part of the student's Monmouth University transcript, a grade of "C" or higher must be earned at the other institution. For such courses, the grade earned at the other institution does not calculate in the Monmouth University grade point average; a "T" grade is posted to the student's academic record. In accordance with Monmouth University's residency requirement, students who are within thirty (30) credits of graduation are not eligible for this permission.

Graduate Courses for Undergraduates

An undergraduate student at Monmouth University who has an outstanding academic record may apply for permission to take graduate courses while completing the work for a bachelor's degree. Please review the requirements listed below before submitting a request:

1. Students must have an overall GPA of 3.0.
2. Requests are subject to approval by the graduate program director and are subject to course availability and program policies.
3. Students must submit the "Undergraduate Request to Take a Graduate Course" e-FORM requesting that the course apply to either the current undergraduate program or a future graduate program.
4. Students seeking course substitutions for graduate coursework from the stated undergraduate degree requirements of their academic program should consult with their academic advisor. If the advisor recommends a substitution, the "Substitution of Undergraduate or Graduate Program Requirement" e-FORM will be submitted to their respective department for review.
5. Depending on the individual program and degree, credits in excess of 150 may count toward both the undergraduate and graduate degree if the plan sequence chart allows it and it is approved by the graduate program director, undergraduate major chair, and dean of both the undergraduate and graduate degree. The total credits of both degree programs must be equal to or greater than 150. A minimum of 120 credits must be applied toward an undergraduate degree, and a minimum of thirty (30) graduate credits (higher in some programs) must be applied toward a graduate degree.

Submission of the Same Paper or Computer Program for Two Courses

The submission of the same (or essentially the same) paper or computer program for two separate courses without the expressed permission of all faculty members involved is against University policy. (Please refer to the *Academic Honesty* policy included in this catalog for more information.)

Time Limitation for Completion of Requirements

The requirements of a particular baccalaureate curriculum must be satisfied within a period not exceeding **eight calendar years**. The Monmouth University catalog in effect at the time of admission, readmission, or change of major shall normally be the student's official catalog of record. However, faculty and curriculum changes may require related changes in a student's program. If after following a curriculum of record for eight calendar years a student has not completed the requirements of the curriculum, the student must update the curriculum of record (including general education requirements) to the most recent one that exists.

Substitution of Requirements

Students seeking course substitutions or any deviations from the stated degree requirements of an academic program should first consult with their academic advisors. If the advisor recommends a substitution, the "Substitution of Undergraduate or Graduate Program Requirement" e-FORM should be submitted to their respective department for review. The department will forward their decision to the Office of the Registrar for processing. Students will receive an e-mail to their Monmouth University e-mail accounts after the substitution request has been completed, unless the substitution was initiated by their advisor. In that case, students should follow up with their advisors to make sure that their substitution has been completed. If the department chair does not approve the substitution, the student may appeal that decision to the school dean. If the school dean does not approve the substitution, the student may appeal that decision to the Provost. The Provost has final authority concerning the substitution.

Students should avoid processing substitution forms close to the time of graduation; instead, substitutions should be effected as warranted in academic planning sessions with academic advisors. Deadlines to submit substitutions for graduating students are provided on the "Registration Information" (http://www.monmouth.edu/registrar/registration_information/default.asp) page of the Monmouth University Web site.

Academic Procedures

Scheduling Information

Fall and Spring Semesters

Monmouth University schedules on-campus classes year-round. During the fall and spring semesters, in addition to the traditional schedule of daytime classes, Monmouth also offers non-traditional students other scheduling options. Courses are available in the evening and on weekends.

Winter Session

The University offers one Winter Session, occurring between the Fall and Spring semesters. Offerings are online, and the maximum credit load for the winter session is 3 credits.

Summer Sessions

Summer sessions provide a comprehensive program of day and evening courses and special workshops for Monmouth students and students in good standing at other colleges and universities. Summer session programming also provides a taste of college life and a head start for high school students who have completed either the junior or senior year. Because of Monmouth's location near the shore, summer sessions are well attended by visiting students as well as Monmouth's own students.

The University offers five regular summer sessions. The maximum course load for summer school is twelve (12) credits.

Students enrolled at other institutions should receive approval from that institution for courses for which credit is desired. Students must meet all course prerequisites. Admission into the summer program does not constitute acceptance into the University's regular programs.

Campus recreational and dining facilities are available to summer students. Residence halls will be open to resident students during the summer. Inquiries regarding summer sessions and applications for admission should be addressed to the Director of Admission.

The Monmouth University Student Portal, *myMU*

All currently registered and deposited Monmouth students have established student accounts for use in schedule preparation, grade and transcript look-up, and academic audits and should login to the student portal, *myMU,* to become familiar with this account so they can

retrieve their academic information. Questions concerning the account can be answered by the Help Desk (732-923-4357), or by utilizing the documentation and tutorials that are linked from the student menu. Examples of information obtainable online include:

- Instructions and Links (e-FORMS)
- Personal Academic Information (Grades, GPA, Schedule)
- Registration (Academic audit, Search for Courses, Prerequisite Worksheet)
- Graduation (Apply to Graduate)
- Financial Information

Withdraw from the University

Students who intend to withdraw from Monmouth University and plan not to return are requested to notify the University by completing a "Total Withdraw from University" e-FORM. Provided the e-FORM is received by the "W" deadline date (see academic calendar (http://www.monmouth.edu/university/academic-calendars.aspx)), students will be withdrawn from the current term; otherwise the total withdraw will not be effective until the next regular term.

Application for Graduation

As you approach the completion of your program, students must review their academic audits through the Monmouth University portal, *myMU*, in order to monitor their degree progress. After the completion of seventy-five (75) credits you are required to submit an "Application for Graduation" form to the Office of the Registrar or you will be blocked from all future registration activity. A graduation fee will be assessed prior to your final semester, in accordance with the university Tuition and Fees (https://www.monmouth.edu/tuition/) schedule. The application is available in the student portal under the I NEED TO tab.

Participation in Commencement

Only students who have completed all degree requirements are permitted to participate in Commencement exercises. All application deadlines for graduation, substitutions of program requirements, grade changes, waivers, transfer credits, and the like are outlined on the "Registration Information" (https://www.monmouth.edu/registrar/registration_information/default.asp) page of the Monmouth University Web site. Failure to meet any of the deadlines may impact inclusion in Commencement-related activities.

Change of Major

The choice of a major can have dramatic impact on life and career goals. Undergraduates considering changing majors should be aware that academic advising, including interest testing, is available to them through the Center for Student Success.

Students who wish to change their majors should seek the advice of the chair of the proposed new department and make themselves familiar with the requirements of the new major. To make the change, students should submit a "Request to Change Curriculum" e-FORM. (Note: *Freshmen students must consult with their advisors in the First Year Advising Office in order to change their major.*) The Office of the Registrar will review the application and route it to all appropriate parties for their approval. Students will receive an e-mail once this form has been successfully processed. Students must fulfill the requirements of the new major that are in effect at the time of the change of major.

Undeclared majors are required to officially declare a major by the end of the sophomore year. Failure to do so will prevent registration for future semesters. An undeclared student who has maintained continuous matriculation under earlier general education requirements may elect to follow those general education requirements when declaring a major. See Curriculum of Record *(p. 59)* for additional information.

Changing from Non-Matriculated to Regular (Matriculated) Status

An undergraduate student accepted to Monmouth University as a non-matriculated (non-degree-seeking) student may request to matriculate (seek a degree) by applying for admission as a regular (matriculated) student. If accepted as a regular student, he or she may declare a major (provided admission criteria, if any, of the particular major are met) or choose the undeclared status.

A non-matriculated undergraduate student who did not meet regular admission requirements when accepted in the provisional non-matriculated status must complete a minimum of twelve (12) credits and a maximum of eighteen (18) credits of college-level course work with a minimum grade point average of 2.00 before applying for admission as a regular student. The student will follow all curricular requirements in effect at the time of admission as a regular student.

Courses taken in the non-matriculated status will be considered for applicability toward degree requirements in the same way that courses taken in the matriculated status are considered. Undergraduate students wishing to change from non-matriculated to regular status should contact the Office of Undergraduate Admission.

Course Changes (Add/Drop)

Students can add or drop classes at any time during the open registration period or until the conclusion of the Add/Drop period (as outlined in the Academic Calendar (https://www.monmouth.edu/registrar/academic-calendars/)) using Student Planning (https://wlb-ssweb-01.monmouth.edu/Student/?hideProxyDialog=false) or with the assistance of their academic advisor/department.

After the Add-Drop period, until the end of the 3rd week of the Fall and Spring semesters, students may request approval to add a course by submitting the Add Open Course or Add Closed Course e-FORM, as appropriate. NOTE: One course per form. Faculty, department chair, and dean (for closed course) approval required. Adding courses that impact tuition also require approval from the Bursar's Office before a student can be registered.

If, after add/drop week, due to extenuating circumstances, students need to switch between sections of the same course, they should consult with their advisor.

Leave of Absence

A leave of absence (LOA) enables students to maintain the same curriculum of record if they intend to be away (no active registration) from the University for a full semester. Interested students should submit an LOA request e-FORM in order to be placed on a leave; e-FORMS are accessible through the Monmouth University student portal, *myMU*. The deadline to submit this request is by the conclusion of the course change (add/drop) period. Please consult the official University academic calendar (http://www.monmouth.edu/university/

academic-calendars.aspx) for specific dates. All degree requirements must be completed as specified in the "*Time Limitation*" section of this catalog. Students on a LOA may not attend another institution and transfer credits back to Monmouth University.

Registration

All current Monmouth University students and deposited "Applicants" are provided with access to the University's student portal, *myMU*. These students are provided with a unique User ID and password, which allows them to view their personal student information and to conduct their personal student business via the Web.

Continuing students who have met with their academic advisor and received permission to do so may self-register using the registration tools linked from the student portal during the registration period. Specific information for dates and times to register online will be distributed to each student in advance of this period. Other important information regarding registration is available on the "Registration Information" (http://www.monmouth.edu/registrar/registration_information/default.asp) page of the Monmouth University Web site. Online registration is not available to students who are on academic probation or whose current admission status is conditional.

Continuing students are strongly urged to complete "early registration" for upcoming semesters and terms. Early registration for the fall, spring, and summer semesters usually begins in April and concludes in August. Late registration is conducted during the first week of the fall and spring semesters; students are required to pay the "late registration" fee when registering during the late registration period. Registration after the conclusion of the late registration period requires the written approval of the appropriate faculty and department chairs. Students are not permitted to attend classes for which they are not officially registered (as determined by the Office of the Registrar). If students attend without prior registration, they are subject to disciplinary action, including suspension and dismissal, and will not be permitted to "retroactively" enroll.

New students are invited to register during special programs during the summer and in January as part of their orientation to the University. Late registration is available to new students, although it is less desirable than the mode described above.

Registration privileges are not extended to students who have significant unresolved financial or other obligations to the University. "Holds" are placed on the records of such students. Upon resolution of the obligation, registration privileges are restored. Course prerequisites are updated periodically. Students should confer with their advisors concerning the most recent prerequisites on record for courses they wish to take. Students should also confer with their advisors when they want to register for more than eighteen (18) credits per semester. Students must fulfill the most current prerequisite requirements prior to taking courses at Monmouth University.

Transcript Requests

Currently enrolled students, former students and alumni may obtain official printed or electronic copies of their transcript by submitting a request to the National Student Clearinghouse (https://tsorder.studentclearinghouse.org/school/select/). These transcripts are considered official copies and can be produced on demand. ***If a transcript is immediately required, an electronic copy must be chosen by students, former students, and alumni.***

University Emergency Closing

Monmouth University has established a Weather Emergency Information Line: 732-263-5900. During emergencies, including weather-related situations when the University may need to close or delay the start of the workday, this line will have a prerecorded message with necessary information for students and staff. If the University must close or cancel classes, a broadcast message will also be sent to all employees and resident students via the campus alert system. You may also find out about weather-related cancellations and closings by e-mail messages, the Monmouth University Web page (http://www.monmouth.edu), social media posts, or from one of the local radio stations or TV channels listed below:

Station	Station Name
FM	
88.9	WMCX Monmouth University
92.7	WOBM Ocean County
94.3	WJLK The Point
104.1	Beach Radio
105.7	WCHR The Hawk
TV	
News 12 New Jersey	
Channel 4 WNBC News	

University E-mail

Monmouth University provides all students with a Monmouth University e-mail account. When communicating via e-mail with University offices, students should use their Monmouth e-mail account so as to easily establish identity. Official communications are sent exclusively to the student's Monmouth University e-mail account, such as:

- Grade reports
- Semester schedules
- Registration information
- Academic announcements
- Graduation deadlines
- Change-of-class notifications
- Academic standings

THE WAYNE D. MCMURRAY SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

Dean: David Hamilton Golland, Ph.D.
Interim Associate Dean: Kristin Bluemel, Ph.D.

The Wayne D. McMurray School of Humanities and Social Sciences prepares students for lifelong learning and effective engagement with a changing world. The humanities give critical insight into aspects of thought, values, and achievement in all times and places. The social sciences contribute an understanding of the structure and function of society. Both areas provide a foundation for major courses of study that prepare students for productiveness and responsibility in both their careers and civic life. Undergraduate and graduate curricula provide strong programs that prepare students for successful entry into professions and advanced study. The School of Humanities and Social Sciences fosters critical, social, political, and cultural thought by creating new knowledge, sound, and art. By doing so, the school creates an intentional active learning environment through which students can make a meaningful and long lasting impact.

The Wayne D. McMurray School offers twenty-three undergraduate degree programs in:

- Anthropology
- Art
- Art with a Concentration in Photography
- Communication
- Criminal Justice
- Criminal Justice with Social Work
- English
- English with a Concentration in Creative Writing
- Fine Arts with a Concentration in Animation
- Fine Arts with a Concentration in Graphic and Interactive Design
- Foreign Language/Spanish Concentration and Communication (Journalism Cluster)
- Foreign Language/Spanish Concentration and Communication (Media Studies and Production)
- History
- Homeland Security
- Music
- Music with a Concentration in Music Industry
- Music with a Concentration in Musical Theatre
- Political Science
- Political Science with a Concentration in International Relations
- Political Science with a Concentration in Legal Studies
- Psychology
- Sociology
- Spanish

Among our academic goals are proficiency in all forms of communication; an appreciation for the diversity of people and ideas and the ability to collaborate with others; stimulation of aesthetic sensitivity and creative expression; and the ability to think and react critically. Interdisciplinary studies are encouraged. All majors provide options for minors, double majors, concentrations, and interdisciplinary studies.

Anthropology

Chair: Maryanne Rhett, Department of History and Anthropology

The Anthropology curriculum is designed to provide a liberal arts education that emphasizes the scientific study of humanity. Three areas of Anthropology are covered:

- Cultural Anthropology, the comparative study of human beliefs and behavior with special attention to non-Western societies;
- Archaeology, the study of the human cultural heritage from its prehistoric beginnings to the recent past; and
- Biological Anthropology, the study of racial variation and the physical and behavioral evolution of the human species.

The goal of the Anthropology program is to provide students with a broad understanding of humanity that will be relevant to their professions, their daily lives, and their larger roles in the modern world.

Student Honor Society: Lambda Alpha, Alpha Chapter

Programs

Majors

- B.A. in Anthropology (p. 71)
- B.A. in Anthropology and Education with Endorsements in Elementary and Students with Disabilities (p. 72)
- B.A. in Anthropology and Education with Endorsements in P-3 and Teacher of Students with Disabilities (p. 74)

Minors

- Anthropology (p. 75)
- Archaeology (p. 75)

Faculty

Veronica Davidov, Associate Professor and Anthropology Graduate Program Director (Graduate Faculty). Ph.D., New York University. Areas of research interest include cultures of Latin America and ecotourism in the Amazon. Teaching focus includes anthropological theory, ethnographic methods, area studies (Latin American), political ecology, and globalization.
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Hillary DelPrete, Associate Professor and Undergraduate Program Director (Graduate Faculty). B.S., Tulane University; M.A., Ph.D., Rutgers University. Professor DelPrete is a biological anthropologist with a specialization in modern evolution. Teaching and research interests include human evolution, human variation, human behavioral ecology, and anthropometrics.
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Adam Heinrich, Associate Professor (Graduate Faculty). B.S., M.A., Ph.D., Rutgers University. Historical and prehistoric archaeology; historical and prehistoric zooarchaeology; cultural and environmental variation in husbandry and meat consumption; taphonomy, African and European diaspora and cultural contact; 17th-19th century commemoration; Osteology/Forensics, Archaeobotany (macrobotanicals); experimental archaeology; development of

mercantile systems; consumerism in archaeology; material culture and social process.
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Brooke A. Nappi, Lecturer. B.A., Monmouth University; M.A., Montclair State University.
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Richard F. Veit, (Graduate Faculty).
Provost and Senior V.P. for Academic Affairs. B.A., Drew University; M.A., College of William and Mary; Ph.D., University of Pennsylvania. Teaching areas include archaeology, historic preservation, North American Indians, and New Jersey history. Research interests include historical archaeology, industrial archaeology, and early American Material Culture. Author of Digging New Jersey's Past: Historical Archaeology in the Garden State.
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Courses

AN-103 Cultural Anthropology **Credits: 3**
Term Offered: All Terms
Course Type(s): SS.SV
Introduction to comparative study of human beliefs and behavior. Emphasis on the concepts used in studying human culture; analysis of non-Western societies with respect to ecology, economy, social and political organization, religion, and art; implications for American society.

AN-104 Introduction to Biological Anthropology **Credits: 3**
Term Offered: All Terms
Course Type(s): HE.EL, HEPE, SS.SV
Introduction to physical anthropology; racial variation and the evolutionary origins of the human species; concepts and principles used in the study of living and fossil evidence for human evolution and genetic diversity; unique influence of culture on human biology; human evolution in the present and future.

AN-107 Introduction to Archaeology **Credits: 3**
Term Offered: All Terms
Course Type(s): SS.SV
Introduction to archaeological techniques, concepts, and principles; recovery and interpretation of evidence; examples from the prehistoric cultures of the Americas, Europe, Africa, and Asia.

AN-113 Cultures of the World **Credits: 3**
Term Offered: All Terms
Course Type(s): BI.EL, GU, SS.SV
Common and distinctive features of culture in each of several broad zones around the world, including native North America, native South America, northern Asia, southern Asia, and sub-Saharan Africa; descriptive overview with emphasis on the variety of human experience and achievement.

AN-117 Great Excavations: Survey of World Archaeology **Credits: 3**
Course Type(s): SS.SV
This course is a social science seminar that examines how archaeologists study and interpret the ancient world. Ancient societies from North America, South America, Africa, Asia, and Europe are examined. Students are introduced to the ethical challenges that face archaeologists and to how archaeologists separate fact from fiction.

AN-198 Special Topics in Anthropology (100 Level) **Credits: 1-3**
Course Type(s): None
An intensive study of a particular subject or problem in anthropology to be announced prior to registration. The course may be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

AN-220 History of Advertising **Credits: 3**
Term Offered: Spring Term
Course Type(s): GS, HSUS
Designed to develop a critical understanding of the historical evolution of advertising in the United States, with critical attention to race, class, gender, and sexuality. We will explore the economic, political, and cultural factors that have contributed to the development of advertising, and which have been affected by advertising. Some of the topics to be discussed include: the rise of national advertising; the relation of advertising to consumption; advertising to children; political advertising, the relationship between advertisers and the medium in which they appear (magazines, television, radio, etc.) and broadcast and internet advertising. Also listed as HS-220 and GS-220.

AN-262 Primate Behavior, Evolution and Ecology **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
The study of primatology, which examines the lifeways, biology, and behavior of our closest living relatives. Various topics will be explored including taxonomy and classification, diet, behavior, grouping patterns, locomotion, and land usage patterns of monkeys, apes and prosimians. These topics will be explored within the frameworks of natural selection, sexual selection, and evolution. Also listed as BY-262.

AN-263 Peoples and Cultures of South America **Credits: 3**
Prerequisite(s): AN-103 or AN-113
Term Offered: Spring Term
Course Type(s): RE
A social and cultural survey of representative peoples in South America and the Caribbean, emphasizing the comparative study of economic, political, social, and religious organization.

AN-264 North American Indians **Credits: 3**
Term Offered: All Terms
Course Type(s): GU, RE
A survey of the cultural, social and linguistic diversity of Pre-Columbian North American societies; problems of contemporary Indian groups. Also listed as HS-264.

AN-266 Historical Archaeology **Credits: 3**
Prerequisite(s): AN-103 or HS-201 and EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): WT
An introduction to historical archaeology, the archaeology of the modern world (c. 1492+). It focuses on archaeological sites in the United States. Students are introduced to the various written and material sources that historical archaeologists use to interpret the recent past, including artifacts, vernacular architecture, grave markers, documents, photographs, and other visual sources. Archaeological field methods are also introduced with a minimum of one class period spent excavating an archaeological site. Also listed as HS-266.

AN-267 Tourism Around the World **Credits: 3**
Term Offered: All Terms
Course Type(s): BI.EL, GU, SUS
Introductory examination of the various factors that impact tourism in different parts of the world. Students will consider political, social, economic, cultural, and environmental factors that affect tourists, local populations, and the physical destinations. Also listed as GO-267.

AN-268 Urbanization **Credits: 3**
Term Offered: All Terms
Course Type(s): CD, RE, SUS
An introduction to urbanization on a global scale. Historical and contemporary development of the world's cities using geographical approaches to urban analysis. Includes examination of urban forms and the local global, social, cultural, economic, political, and physical processes that shape and are shaped by cities, and the large and rapidly growing cities of the developing world that dominate and control the global economy. Also listed as GO-268.

AN-272 Magic, Witchcraft, and Religion **Credits: 3**
Prerequisite(s): EN-101 and EN-102; or permission of the instructor
Term Offered: All Terms
Course Type(s): WT
Explores motivation of human behavior within the realm of religion and the supernatural with an emphasis on the role of gods and goddesses. A cross-cultural approach will be used while exploring cultures both past and present across the globe. Also listed as RS-272.

AN-274 Anthropology of Sex and Gender **Credits: 3**
Term Offered: Spring Term
Course Type(s): GS, RE
Anthropological perspectives on sexuality and gender; emergence of human sexuality and gender differentiation in the context of species evolution; cross-cultural survey of social and ideological aspects of sexuality and gender.

AN-275 Global Environmental Problems **Credits: 3**
Term Offered: All Terms
Course Type(s): GU, HE.EL, SUS
Focus on the complex relationship between human beings and their environments in an effort to build an ecological perspective in a global framework. Discussion of basic issues of ecological science in terms of impact on both the Western and non-Western worlds. Also listed as GO-275.

AN-278 Maritime History/Underwater Archaeology **Credits: 3**
Term Offered: Summer Term
Course Type(s): MEBP
A mid-level seminar that examines maritime archaeology, with a focus on North America and particularly New Jersey. As part of this course, students will explore the world of maritime archaeology through readings, fieldwork, lectures, and hands-on exercises. It will include fieldwork on Monmouth's research vessel, work with a submersible, and lab work with shipwreck artifacts.

AN-279 Culture, Health and Illness **Credits: 3**
Prerequisite(s): EN-101 and EN-102
Term Offered: All Terms
Course Type(s): CD, HE.EL, HEPE, WT
A cross-cultural examination of health and healing from the view of applied medical anthropology. Explores biological, sociocultural, political economic, and structural factors that affect health, illness, and disease both now and in the past. Cultural areas of study include: populations in the United States, Africa, Latin America, the Caribbean, and Southeast Asia.

AN-280 Anthropology and Education **Credits: 3**
Prerequisite(s): EN-101 and EN-102; or permission of the instructor
Term Offered: Spring Term
Course Type(s): WT
The Anthropology of Education has a long and rich history of exploring intersections of learning and culture. This course is an introduction to the issues and approaches central to the study of education within the discipline of anthropology. Over the course of the semester, students will engage with classic and contemporary methods and readings in the field, including cross-cultural approaches to schooling and key issues in educational policy. This course is founded in anthropological approaches to education and how anthropologists address topics related to learning.

AN-289 Anthropological Field Study **Credits: 1-3**
Prerequisite(s): 6 credits in Anthropology
Term Offered: All Terms
Course Type(s): EX1
Supervised field experience in various branches of anthropology, e.g., archaeological excavation, museum work, ethnography, and primate behavior. Departmental approval is required to take this course.

AN-290 Popular Culture and the Middle East **Credits: 3**
Course Type(s): GU, HSNW
Examines recent events, traditional cultural practices, and the perceptions of the Middle East through the lens of popular media (film, graphic novels, journalism, etc.). Topics to be covered may include but are not limited to: religion, the Arab Spring (2011), the Iranian Revolution, the Arab-Israeli Conflict, women's rights/roles, Orientalism and racism, and common governing structures. Also listed as HS-290.

AN-296 Cultures and Societies of Africa **Credits: 3**
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): CD, WT, HSAF, HSNW, RE
Examines the history, cultures, and societies of Africa from the precolonial to the contemporary period. Discusses the cultural, political, and economic changes that have taken place in Africa as a result of Western influence. Also listed as HS-296.

AN-298 Special Topics in Anthropology (200 Level) **Credits: 1-3**
Term Offered: Spring Term
Course Type(s): None
An intensive study of a particular subject or problem in Anthropology to be announced prior to registration. The course may be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

AN-299 Independent Study in Anthropology **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
Guided readings on a topic not otherwise covered in the curriculum. Students must be an Anthropology major and have at least a 2.50 G.P.A. to register for this course. Prior permission of the directing professor and department is required to take this course.

AN-303 Archaeology of the Southeastern United States **Credits: 3**
Course Type(s): GU
This course offers an overview of the archaeology of the American Southeast. The course will focus on the region's prehistoric and contact periods, which is one of the richest in the US. Students will develop an understanding of the area's primary archaeological cultures and their geographic and temporal extents.

AN-304 Monuments and Commemoration: Loss and Remembrance **Credits: 3**
Course Type(s): HSUS
Examines the evolution of American attitudes towards commemoration and remembrance from the colonial period to the present. Focuses on the analysis of landscapes and artifacts, e.g. monuments, grave markers, cemeteries, and historic sites. Topics discussed include: the evolution of American burial grounds from colonial burial grounds to the rural cemeteries of the Victorians and modern memorial parks. Changing grave marker designs and iconography are examined. Distinct ethnic, regional, and national memorial practices are also studied. Public memorials in the form of statuary, commemorative institutions, and historic sites will also be discussed. There will be field trips to select sites. Also listed as HS-304.

AN-305 Caribbean Archaeology **Credits: 3**
Course Type(s): GU, RE
Students are introduced to the archaeology and ethnohistory of the Caribbean Islands; the region where the Old World violently encountered the New World in AD 1492. The general approach is historical and chronological. This course is divided into two broad sections covering the prehistoric and historic periods of the region. The encounter between Europe and the region's native inhabitants proved catastrophic for the later. The region than became central to the world economy through slave labor and the production of luxury for world markets.

AN-306 Food and Culture **Credits: 3**
Prerequisite(s): EN-101 and EN-102; or permission of the instructor
Term Offered: Fall Term
Course Type(s): GU, WT
Augments the anthropology program's offerings in both archaeology and socio-cultural anthropology, and demonstrates the synergy of these approaches in the topical study of food. Through a combination of lecture, discussion, hands-on learning, and readings, students are introduced to the basic modes of human subsistence identified by the anthropological tradition. They also will explore the material and social challenges connected with these different subsistence strategies, and finish up by looking at current food-based problems facing the world today.

AN-307 Forensic Anthropology **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
Introduces students to the basic principles of forensic anthropology. Forensic anthropology is an application of biological anthropology (Skeletal understanding) to help solve criminal cases. Topics that will be covered in this course schedule include: methods of determining sex, nutrition, stature and ancestry from skeletal remains. We will also explore the cause of death, time since death and other relevant information. In addition we will examine the changing the role of forensic anthropology in a larger global context.

AN-311 Anthropology Internship Seminar **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Application of theory learned in the classroom in practice through actual work experience. Includes both academic and experiential learning. Eight to twelve hours per week in a public history or field work setting. Open only to anthropology majors. This course is repeatable for credit.

AN-315 Field Research in Archaeology **Credits: 3**
Prerequisite(s): AN-103 or AN-107 or permission of the instructor
Term Offered: All Terms
Course Type(s): EX5, HSUS
Archaeological field methods, analysis of data, and anthropological interpretation; students will do supervised work on local sites. May be repeated for a maximum of six credits. Also listed as HS-315.

AN-321 Qualitative Research Methods **Credits: 4**
Prerequisite(s): PY-103
Term Offered: Spring Term
Course Type(s): WT
An interdisciplinary overview of qualitative research methods employed in the social sciences and education. Qualitative methods are offered as an alternative way of knowing about individuals and groups. Topics covered include: theory, fieldwork, interviewing, observational studies, time sampling, writing field notes, questionnaires(survey research), archival research, and conducting qualitative research in various settings. Emphasis also placed upon the factors that affect the fieldwork process (e.g., gender, emotions, etc.) Also listed as PY-321.

AN-322 Ethnographic Methods **Credits: 3**
Prerequisite(s): EN-101 and EN-102
Term Offered: Spring Term
Course Type(s): WT
An overview of ethnographic research design and methods employed in anthropology. Students will practice research design and methods, data analysis and write-up techniques. Students will engage questions of ethics through research practice and theoretical discussion.

AN-330 Zooarchaeology: The Archaeology of Animals **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Covers methods of faunal analysis and the application of the study of animal remains to broad topics of cultural study including subsistence, status, and ideology.

AN-342 Children's Play and Culture **Credits: 3**
Prerequisite(s): PY-203
Term Offered: Spring Term
Course Type(s): None
An intensive examination of children's play. Theoretical and empirical contributions from psychology and anthropology as a developmental and cross-cultural foundation for the following topics: the historical development of the concept of childhood; theories of play; conceptions of play and work; the functions of play; play and child development; gender differences; cross-cultural forms of play; and children's peer cultures. Also listed as PY-342. Psychology majors should register for PY-342.

AN-343 Anthropology and Children **Credits: 3**
Prerequisite(s): AN-103
Term Offered: Spring Term
Course Type(s): GU
An overview of the anthropological study of children. Addresses anthropology's inquiry into children's behavior, activities, artifacts, and their relationships with adults both past and present. Topics covered include: archaeology and children, childbirth, attachment, parenting, play, education, socialization, and child labor and welfare. Geographical areas include: the Middle East, Asia, and Central and South America. Europe and the United States are mentioned marginally.

AN-355 Ancient Technology **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Provides an introduction to ancient technology/experimental archaeology. It examines the major theories and practices employed by experimental archaeologists. Students will develop skills in traditional technologies, e.g. flintknapping, pot firing, blacksmithing, and timber frame house construction.

AN-363 The Amazon **Credits: 3**
Term Offered: Spring Term
Course Type(s): GU, RE
An anthropological seminar focused on the Amazon region, with emphasis on how expert and lay knowledge about the Amazon has been produced and circulated.

AN-371 International Service Seminar **Credits: 3**
Prerequisite(s): PS-102
Term Offered: Spring Term
Course Type(s): PSIP
Students will learn to unite theory and practice by studying theories and policies based on human security, and learning about their applications through service-learning projects. Students will enhance their understanding of human security by volunteering in international community organizations and reflecting on the social, political, and economic factors and policies that affect them. Also listed as SW-371, PS-371, and SO-371.

AN-377 Archaeology of African American Life **Credits: 3**
Course Type(s): CD, RE
Explores the rapidly growing subfield of historical archaeology which deals with the life and history of African Americans. The history and modern challenges facing this group is conditioned by the historical experience of individuals and communities of African descent with the United States. Unlike many European groups, the historical evidence documenting the experience of African Americans through time is sparse and incomplete. Archaeological investigations offer a primary method for recovering the everyday life experiences of this group. In addition, African American archaeology provides an important intersection for engaging the deep connection between the past and the present in socially meaningful ways. This course will review important case studies, key figure, major issues, and the overall development of African American archaeology.

AN-378 Gender, Sex and Medicine **Credits: 3**
Prerequisite(s): EN-101 and EN-102
Term Offered: Spring Term
Course Type(s): CD, GS, HE.EL, WT
Explores intersections of biological sex with cultural constructs of gender and medicine. Using cross-cultural examples, the course will employ an anthropological approach to explore how health, well-being and even medical belief systems operate in relation to different genders. Together as a class, we will examine how cultural constructs of gender frame ideals and norms regarding health, explore ways that biological sex is used to support gendered constructs, and demonstrate how these constructs eventually frame how healing takes place.

AN-379 Globalization, Health and Healing **Credits: 3**
Term Offered: Spring Term
Course Type(s): GU, HE.EL, HEPE
Explores globalization through the lens of health and transnational movements. Through lectures, interactive seminar discussions, films, reflective analysis and research projects, students will examine globalization processes through the movement of disease and treatments, patients and healthcare workers.

AN-380 American Cultural Diversity **Credits: 3**
Term Offered: All Terms
Course Type(s): RE
Explores the historical, social, and cultural backgrounds of immigrant groups found within the United States. Through lectures, readings, case studies, and discussions incorporated with service learning as fieldwork, students will be introduced to the complexity and diversity of American society.

AN-382 Applied Anthropology **Credits: 3**
Term Offered: All Terms
Course Type(s): EX5
This course is anthropology put to use - meaning using anthropological research and methods to solve practical problems. This is an upper-level survey course that pays attention to cultural viewpoints, methods and results. While exploring different areas of applied anthropology through the history of the discipline and contemporary research projects, we will study methods unique to this subfield. Practical information, advice and resources on career preparation and development will be offered. By the end of the course, students should be able to answer the question "How can I use anthropology in my future career?"

AN-383 Old World Prehistory **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
An intensive survey of the prehistoric cultures of Europe, Africa, and Asia, focusing on the period between the origins of modern humans to the rise of the first civilizations. Particular attention is paid to the development of art, religious belief systems, agriculture, urbanism, metallurgy, and writing. Early civilizations in Egypt, sub-Saharan Africa, Mesopotamia, Western Europe, and China are examined.

AN-387 Visual Anthropology **Credits: 3**
Term Offered: Spring Term
Course Type(s): CD, COSS
Deals with aspects of visuality in culture and anthropology. A significant part of the course will be devoted to visual anthropology. We will learn about the development of visual anthropology as a discipline, the particular problems and challenges involved in practicing this type of ethnography, the evolution of ideas about accountability, representation, reflexivity and positioning in visual ethnographic methods. We will start with exploring the role of image in anthropology by considering the relationship between photography and ethnography, and continue to study ethnographic filmmaking, from Robert Flaherty's "Nanook of the North," (considered to be the first ethnographic documentary), to the development of Cinema Verite, to the emergence of indigenous media. Students will gain a nuanced understanding of the subject through weekly writing exercises, presentations, and in-class discussion. For a final project, students will write a long-form paper that will combine original research and visual analysis.

AN-389 Anthropological Field Study **Credits: 3**
Prerequisite(s): 6 credits in Anthropology
Term Offered: All Terms
Course Type(s): EX1
Supervised field experience in various branches of anthropology, e.g., archaeological excavation, museum work, ethnography, and primate behavior. Departmental approval is required to take this course.

AN-390 Archaeology Field Study **Credits: 3**
Course Type(s): None
An introduction to the practice of archaeology with a focus on fieldwork and limited laboratory analysis. This is a residential field school, meaning that students will live at or near the site for the majority of the semester. This might include living nearby during the week or for several weeks at a time, as in the case of an international archaeological field project. Students will learn traditional and advanced surveying methods, how to conduct pedestrian surveys, standard archaeological excavation techniques, and how to identify, catalogue, and analyze artifacts. There will be weekly lectures on the archaeology, history, and culture of the chosen archaeological site by project staff and visiting experts.

AN-398 Special Topics in Anthropology (300 Level) **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
An intensive study of a particular subject or problem in anthropology to be announced prior to registration. The course may be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

AN-399 Independent Study in Anthropology **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Guided readings on a topic not otherwise covered in the curriculum. Students must be an Anthropology major and have at least a 2.50 G.P.A. to register for this course. Prior permission of the directing professor and department is required to take this course.

AN-401 Anthropological Theory **Credits: 3**
Prerequisite(s): AN-103 or permission of the instructor
Term Offered: All Terms
Course Type(s): None
A survey of the major theories in anthropology from the nineteenth century to the present, focusing on contributions to our understanding of human society by some of the major figures of anthropology.

AN-408 Cultural Psychology **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
An interdisciplinary course that utilizes theoretical, empirical, and methodological contributions from psychology and anthropology to discuss the position of culture in understanding human behavior and thought. Culture is viewed as a cognitive construct that is learned, lived, shared, and performed. A sample of topics include: the history of cultural and cross-cultural psychology, methodological approaches, aggression, education, development, play, language, social relationships, intelligence, emotion, motivation, and mental health issues. Also listed as PY-408.

AN-425 Latin American Seminar **Credits: 3**
Prerequisite(s): AN-103 or permission of the instructor and EN-101 and EN-102
Course Type(s): RE, WT
An in-depth analysis of select groups in Native Latin America, through lectures, readings, case studies, film, and interactive panel discussions.

AN-426 Research Seminar in Anthropology **Credits: 3**
Prerequisite(s): 90 credits completed or Senior standing
Term Offered: All Terms
Course Type(s): RD
The development, research, and writing of a BA paper on any aspect of anthropology, with special emphasis on scrupulous documentation, use of appropriate sources, clear expository writing, and oral presentation of research results. The course will be taught as a mixture of seminar and one-on-one meetings with the instructor. (It will also include a meeting with a librarian or bibliographer from the Monmouth University Library.)

AN-489 Anthropological Field Study **Credits: 1-3**
Prerequisite(s): 6 credits in Anthropology and permission of the instructor
Course Type(s): EX1
Supervised field experience in various branches of anthropology, e.g., archaeological excavation, museum work, ethnography, and primate behavior. This course may be repeated once for credit.

AN-498 Special Topics in Anthropology (400 Level) **Credits: 1-3**
Course Type(s): None
An intensive study of a particular subject or problem in anthropology to be announced prior to registration. The course may be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

AN-499 Independent Study in Anthropology **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Guided readings on a topic not otherwise covered in the curriculum.

B.A. in Anthropology (AN.BA)

Code	Title	Credits
Major Requirements/Anthropology (36 credits)		
AN-103	Cultural Anthropology	3
(Satisfies Social Science Survey (SS.SV) in General Education)		
AN-104	Introduction to Biological Anthropology	3
(Satisfies Social Science Survey (SS.SV) in General Education)		
AN-107	Introduction to Archaeology	3
Select 12 credits in Anthropology at the 250-level or higher [1]		12
Select 3 credits in Anthropology at the 300-level or higher [1]		3
Select one of the following:		3
AN-315	Field Research in Archaeology	
AN-322	Ethnographic Methods	
AN-390	Archaeology Field Study	
AN-382	Applied Anthropology	3
AN-401	Anthropological Theory	3
AN-426	Research Seminar in Anthropology	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
Outside Major Requirements (12 credits)		
GO-100	People, Places, and Environments: Introduction to Geography	3
or GIS-224	Introduction to Geographic Information Systems (GIS)	
(Either course satisfies Technological Literacy (TL) in General Education)		

Select 9 credits in any combination from the following subjects: [1]	9
Economics (BE)	
History (HS)	
Political Science (PS)	
Psychology (PY)	
Sociology (SO)	
Free Electives (39 credits) [2]	
Complete up to 39 credits of free electives. [2]	39
General Education Requirements (33 credits) [3]	
Complete 33 credits as outlined on the General Education table. [3]	33
Total Credits	**120**

[1] *If course selection satisfies a General Education requirement, additional free elctives may be permitted. See advisor.*

[2] *Please consult with your advisor regarding the required number of free electives that must be completed.*

[3] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education (p. 44) *courses must be completed.*

Notes

- 54 credits must be completed at the 200 level or higher.

Sequence Chart

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	AN-104 Introduction to Biological Anthropology (Gen*Ed Social Science Survey (SS.SV)	3
AN-103 Cultural Anthropology (Gen*Ed Social Science Survey (SS.SV)	3	EN-102 College Composition II	3
HS-1xx History Elective (Gen*Ed Historical Perspectives HS.SV)	3	Gen*Ed Aesthetics (AT) AR,DA,MU,TH	3
FO-xxx Gen*Ed World Language	3	MA-1xx Gen*Ed Mathematics	3
Free Elective	3	Free Elective	3
Semester Credits	**15**	**Semester Credits**	**15**

Second Year

Fall	Credits	Spring	Credits
AN-107 Introduction to Archaeology	3	Select one course from subjects: BE,HS,PS,PY,SO	3
GO-100 People, Places, and Environments: Introduction to Geography or GIS 224 (Both courses satisfy Technological Literacy (TL). GO-100 also satisfies Cultural Diversity (CD))	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
EN-2xx Literature (LIT)	3	AN-250+ Anthropology Elective	3
Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3	Free Electives	6
Free Elective	3		
Semester Credits	**15**	**Semester Credits**	**15**

Third Year

Fall	Credits	Spring	Credits
AN-382 Applied Anthropology	3	AN-401 Anthropological Theory	3
Select one course from subjects: BE,HS,PS,PY,SO	3	Select AN-315, AN-322, or AN-390	3
AN-250+ Anthropology Elective	3	Gen*Ed Cultural Diversity (CD) or Global Understanding (GU)	3
Free Electives	6	Free Electives	6
Semester Credits	**15**	**Semester Credits**	**15**

Fourth Year

Fall	Credits	Spring	Credits
AN-250+ Anthropology Electives	6	AN-426 Research Seminar in Anthropology	3
Select one course from subjects: BE,HS,PS,PY,SO	3	PR-4xx Interdisciplinary Perspectives (ISP)	3
Free Electives	6	AN-300+ Anthropology Elective	3
		Free Electives	6
Semester Credits	**15**	**Semester Credits**	**15**

Total Credits 120

B.A. in Anthropology and Education with Endorsements in Elementary and Students with Disabilities (AN.EDEY.BA)

Code	Title	Credits
Major Requirements/Anthropology (30 credits)		
AN-103	Cultural Anthropology	3
(Satisfies Social Science (SS.SV) in General Education)		
AN-104	Introduction to Biological Anthropology	3
AN-107	Introduction to Archaeology	3
Select 9 credits in Anthropology at the 250-level or higher		9
Select 3 credits in Anthropology at the 300-level or higher		3
Select one of the following:		3
AN-315	Field Research in Archaeology	
AN-322	Ethnographic Methods	
AN-390	Archaeology Field Study	
AN-401	Anthropological Theory	3
AN-426	Research Seminar in Anthropology	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
Major Requirements/Education (42 credits) [1]		
ED-250	Psychological and Philosophical Foundations of Education	3
EDS-330	Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
EDS-336	Classroom Management	3
EDL-326	Literacy Instruction in P-6 Educational Settings I	3
EDL-327	Methods of Teaching Content Area Literacy in the Inclusive Elementary Setting: Language Arts & Social Studies	3
ED-320	Teaching Emergent Multilinguals in an Inclusive Classroom	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
ED-360	Methods of Teaching Elementary Mathematics	3

ED-361	Methods of Teaching Science for Elementary School	3
EDS-338	Assessment Approaches, P-12	3
EDS-342	Instructional Methods and Materials for Students with Disabilities	3
EDS-350	Individualizing Curricula and Systematic Instruction for Special Education	3
ED-416 & 416S	Clinical Practice and Clinical Practice Seminar [2]	9
Interdisciplinary (AN) Requirements (15 credits)		
GO-100	People, Places, and Environments: Introduction to Geography	3
Satisfies Technological Literacy (TL) and Cultural Diversity (CD requirements in general education		
HS-101	Western Civilization in World Perspective I	3
HS-102	Western Civilization in World Perspective II	3
(Satisfies Historical Perspectives (HS.SV) in General Education)		
Select 6 credits in any combination from the following subjects:		6
Economics (BE) (recommended: BE-200)		
Political Science (PS) (recommended: PS-103)		
Psychology (PY) (recommended: PY-103)		
Interdisciplinary (ED) Requirements (6 credits)		
MA-205	Number Systems	3
MA-206	Algebraic Thinking, Probability and Statistics	3
(MA-205 and MA-206 both satisfy Mathematics in General Education)		
Free Electives (3 credits) [3]		
Complete up to 3 free elective credits. [3]		3
General Education Requirements (24 credits) [4]		
Complete 24 credits as outlined on the General Education table. [4]		24
Total Credits		**120**

[1] *Minimum grade of "C" required for Education Courses*

[2] *Students must complete the appropriate test requirement(s) with a passing score PRIOR to Clinical Practice.*

[3] *Please consult with your advisor regarding the required number of free electives that must be completed.*

[4] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(p. 44) courses must be completed.*

Additional Endorsements Available

- Early Childhood Endorsement P-3
- ESL - English as a Second Language - Elementary
- MID - Middle School Social Studies

Notes

- 54 credits must be completed at the 200 level or higher.
- Education majors are required to have an overall GPA of 3.00 for State Certification.
- By state regulation, all Education Majors seeking content area endorsement must complete 30 content credits (12+ credits at the 300+ level).

Sequence Chart

First Year

Fall	Credits	Spring	Credits
AN-103 Cultural Anthropology (Gen*Ed Social Science Survey (SS.SV))	3	HS-102 Western Civilization in World Perspective II	3
HS-101 Western Civilization in World Perspective I	3	GO-100 People, Places, and Environments: Introduction to Geography or GIS 224 (Gen*Ed Technological Literacy (TL), Cultural Diversity (CD), GO-100 only)	3
EN-101 College Composition I	3	EN-102 College Composition II	3
Select one course from BE-200, PS-103 or PY-103	3	ED-250 Psychological and Philosophical Foundations of Education	3
FO-xxx Gen*Ed World Language	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
Semester Credits	**15**	**Semester Credits**	**15**

Second Year

Fall	Credits	Spring	Credits
AN-107 Introduction to Archaeology	3	AN-104 Introduction to Biological Anthropology	3
MA-205 Number Systems	3	AN-250+ Anthropology Elective	3
ED-320 Teaching Emergent Multilinguals in an Inclusive Classroom (Gen*Ed Reasoned Oral Discourse (RD)	3	EDS-330 Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
EN-2xx Literature (LIT)	3	EDL-326 Literacy Instruction in P-6 Educational Settings I	3
Select one course from subjects: BE, PS, PY	3	MA-206 Algebraic Thinking, Probability and Statistics	3
Free Elective	3		
Semester Credits	**18**	**Semester Credits**	**15**

Third Year

Fall	Credits	Spring	Credits
EDS-336 Classroom Management	3	Select AN-315, AN-322, or AN-390	3
ED-361 Methods of Teaching Science for Elementary School	3	AN-401 Anthropological Theory	3
Gen*Ed Aesthetics (AT) AR,DA,MU,TH	3	EDS-338 Assessment Approaches, P-12	3
AN-250+ Anthropology Elective (Gen*Ed Cultural Diversity or Global Understanding (GU)	3	EDS-350 Individualizing Curricula and Systematic Instruction for Special Education	3
AN-250+ Anthropology Elective	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
Semester Credits	**15**	**Semester Credits**	**15**

Fourth Year

Fall	Credits	Spring	Credits
EDL-327 Methods of Teaching Content Area Literacy in the Inclusive Elementary Setting: Language Arts & Social Studies	3	ED-416 Clinical Practice	8
ED-360 Methods of Teaching Elementary Mathematics	3	ED-416S Clinical Practice Seminar	1
AN-300+ Anthropology Elective (Writing Intensive (WT)	3	AN-426 Research Seminar in Anthropology	3

EDS-342 Instructional Methods and Materials for Students with Disabilities	3		
PR-4xx Interdisciplinary Perspectives (ISP)	3		
Semester Credits	**15**	**Semester Credits**	**12**

Total Credits 120

B.A. in Anthropology and Education with Endorsements in P-3 and Teacher of Students with Disabilities (AN.YI.BA)

Code	Title	Credits
Major Requirements/Anthropology (30 credits)		
AN-103	Cultural Anthropology	3
(Satisfies Social Science (SS.SV) in General Education)		
AN-104	Introduction to Biological Anthropology	3
AN-107	Introduction to Archaeology	3
Select 9 credits in Anthropology at the 250-level or higher		9
Select 3 credits in Anthropology at the 300-level or higher		3
Select one of the following:		3
AN-315	Field Research in Archaeology	
AN-322	Ethnographic Methods	
AN-390	Archaeology Field Study	
AN-426	Research Seminar in Anthropology	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
AN-401	Anthropological Theory	3
Major Requirements/Education (45 credits) [1]		
ED-361	Methods of Teaching Science for Elementary School	3
ED-250	Psychological and Philosophical Foundations of Education	3
EDS-330	Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
EDS-336	Classroom Management	3
EDL-280	Introduction to Early Childhood Education	3
EDL-326	Literacy Instruction in P-6 Educational Settings I	3
ED-320	Teaching Emergent Multilinguals in an Inclusive Classroom	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
EDL-333	Family Partnerships in Early Childhood Settings	3
EDS-338	Assessment Approaches, P-12	3
EDS-342	Instructional Methods and Materials for Students with Disabilities	3
EDS-350	Individualizing Curricula and Systematic Instruction for Special Education	3
EDL-364	Early Childhood Capstone Research Seminar	3
Select 9 credits as follows: [2]		
ED-416 & 416S	Clinical Practice and Clinical Practice Seminar	9
Interdisciplinary (AN) Requirements (9 credits)		
HS-101	Western Civilization in World Perspective I	3
HS-102	Western Civilization in World Perspective II	3
(Satisfies Historical Perspective (HS.SV) in General Education)		
GO-100	People, Places, and Environments: Introduction to Geography	3
or GIS-224	Introduction to Geographic Information Systems (GIS)	
Either course satisfies Technological Literacy (TL) in General Education; GO-100 also satisfies Cultural Diversity (CD)		
Interdisciplinary (ED) Requirements (6 credits)		
MA-203	Foundations of Elementary Mathematics I	3
MA-204	Foundations of Elementary Mathematics II	3
(MA-203 and MA-204 both satisfy Mathematics in General Education)		
Free Electives (3 credits) [3]		
Select up to 3 credits of free electives [3]		3
General Education Requirements (27 credits) [4]		
Complete 24-27 credits as outlined on the General Education table. [4]		27
Total Credits		**120**

[1] *Minimum grade of "C" required for Education Courses*

[2] *Students must complete the appropriate test requirement(s) with a passing score PRIOR to Clinical Practice*

[3] *Please consult with your advisor regarding the required number of free electives that must be completed.*

[4] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(p. 44) courses must be completed.*

Notes

- 54 credits must be completed at the 200 level or higher.
- Education majors are required to have an overall GPA of 3.00 for State Certification
- By state regulation, all Education Majors seeking content area endorsement must complete 30 content credits (12+ credits at the 300+ level).

Sequence Chart

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
HS-101 Western Civilization in World Perspective I	3	HS-102 Western Civilization in World Perspective II	3
AN-103 Cultural Anthropology	3	ED-250 Psychological and Philosophical Foundations of Education	3

FO-xxx Gen*ED World Language	3	GO-100 People, Places, and Environments: Introduction to Geography or GIS 224 (Gen*Ed Technological Literacy (TL); GO-100 also satisfies Cultural Diversity (CD))	3
Free Elective	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
Semester Credits	**15**	**Semester Credits**	**15**
Second Year			
Fall	**Credits**	**Spring**	**Credits**
AN-107 Introduction to Archaeology	3	AN-104 Introduction to Biological Anthropology	3
ED-320 Teaching Emergent Multilinguals in an Inclusive Classroom (Gen*Ed Reasoned Oral Discourse (RD) and Writing Intensive (WT))	3	AN-250+ Anthropology Elective (Writing Intensive (WT)	3
EDL-280 Introduction to Early Childhood Education	3	MA-204 Foundations of Elementary Mathematics II	3
EDL-326 Literacy Instruction in P-6 Educational Settings I	3	EDS-330 Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
MA-203 Foundations of Elementary Mathematics I (Gen*Ed Mathematics)	3	EDS-338 Assessment Approaches, P-12	3
EN-2xx Gen*Ed Literature (LIT)	3		
Semester Credits	**18**	**Semester Credits**	**15**
Third Year			
Fall	**Credits**	**Spring**	**Credits**
EDS-336 Classroom Management	3	EDL-333 Family Partnerships in Early Childhood Settings	3
EDS-350 Individualizing Curricula and Systematic Instruction for Special Education	3	AN-315, AN-322, or AN-390	3
Gen*Ed Aesthetics (AT) AR,DA,MU,TH	3	AN-401 Anthropological Theory	3
AN-250+ Anthropology Elective (Gen*Ed Cultural Diversity (CD) or Global Understanding (GU)	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
AN-250+ Anthropology Elective	3	ED-361 Methods of Teaching Science for Elementary School	3
Semester Credits	**15**	**Semester Credits**	**15**
Fourth Year			
Fall	**Credits**	**Spring**	**Credits**
EDL-364 Early Childhood Capstone Research Seminar	3	AN-426 Research Seminar in Anthropology	3
AN-300+ Anthropology Elective (Gen*Ed Writing Intensive (WT)	3	ED-416 Clinical Practice	8
EDS-342 Instructional Methods and Materials for Students with Disabilities	3	ED-416S Clinical Practice Seminar	1
PR-4xx Interdisciplinary Perspectives (ISP)	3		
Free Elective	3		
Semester Credits	**15**	**Semester Credits**	**12**

Total Credits 120

Minor in Anthropology (MIN.AN)

Code	Title	Credits
Requirements (9 credits)		
AN-103	Cultural Anthropology	3
AN-104	Introduction to Biological Anthropology	3
AN-107	Introduction to Archaeology	3
Electives (6 credits)		
Select 6 credits in Anthropology at the 250-level or higher		6
Total Credits		**15**

Minor in Archaeology (MIN.ARCH)

Code	Title	Credits
AN-103	Cultural Anthropology	3
AN-107	Introduction to Archaeology	3
AN-266	Historical Archaeology	3
AN-315	Field Research in Archaeology	3
Select 6 credits from the following:		6
AN-264	North American Indians	
AN-383	Old World Prehistory	
Anthropology (AN) 200-Level Special Topics Class		
AN-489	Anthropological Field Study	
GO-125	Maps and Mapping	
GIS-224	Introduction to Geographic Information Systems (GIS)	
Total Credits		**18**

Anthropology Majors can share up to 9 credits; 9 credits must be unique to the minor.

Art and Design

Chair: Frederick McKitrick, Department of Art and Design
Compliance Officer/Technical Specialist: Mark Ludak
Director of Galleries and Collections: Scott Knauer

The Bachelor of Fine Arts Degree (B.F.A.) in Design and Animation (with concentrations in Animation and Graphic and Interactive Design) is a career-track program that prepares students for professional work in the fields of graphic design, computer graphics, Web design, and animation or for graduate school. Entering freshmen will be accepted as B.F.A. degree candidates. As sophomores, or in the fourth semester at Monmouth University, B.F.A. degree candidates will be required to pass the Art and Design Student Portfolio Review (AR-REV). Upon successful completion of the AR-REV, B.F.A. degree candidates will be officially accepted into the B.F.A. degree program. If a student fails to pass the AR-REV, he or she will be referred to a Student Review Committee, which will determine whether the student should change his or her major or be given a conditional semester or year. Transfer students can declare themselves a B.F.A. candidate upon acceptance to Monmouth University. Transfer students will also be required to pass the first given AR-REV.

The BA in Art is designed for students who seek a strong studio experience and the option of developing skills useful in several professional areas. The core of the degree is traditional studio work in foundations, drawing, painting, sculpture, printmaking, and ceramics. The B.A. in Art with a Concentration in Photography is a more focused program on photographic skills, both traditional and digital. All art and design majors are required to complete a one- to three-credit internship during their senior year. Additional internship and cooperative education opportunities are offered as electives starting in the junior year.

Department Honors will be earned based on the following criteria being met:

- An overall GPA of at least 3.3
- A major GPA of at least 3.5
- Completion of AR-410 Advanced Project I (1-3 cr.) and AR-411 Advanced Project II (1-3 cr.)
- Artifacts having been publicly presented with a reading and defense of research topic
- Project and paper to have a combined average of a "B" or better

Programs

Majors

- B.A. in Art (p. 84)
- B.A. in Art with a Concentration in Photography (p. 87)
- B.A. in Art and Education with Endorsements in K-12 Education in Art (p. 85)
- B.F.A. in Design and Animation with a Concentration in Animation (p. 88)
- B.F.A. in Design and Animation with a Concentration in Graphic and Interactive Design (p. 89)

Minors

- Animation/Motion Design (p. 90)
- Art (p. 90)
- Art History (p. 90)
- Asian Studies (p. 91)
- Graphic and Interactive Design (p. 91)
- Interactive Media (p. 91)
- Photography (p. 91)

Faculty

Thomas Baker, Associate Professor. B.F.A., Eastern Carolina University; M.F.A., University of Wisconsin-Madison. Professional experience includes work at collaborative print shops: Tandem Press and Winstone Press. He is a council member of the Society of American Graphic Artists in New York, and his prints have been shown and collected nationally and internationally.
tbaker@monmouth.edu

Kimberly Callas, Associate Professor. B.F.A., University of Michigan; M.F.A., New York Academy of Art. Focus is on the 'ecological self'. Works collaboratively with individuals and organizations from a variety of fields, particularly poetry, biology and ecology. Focus is on the human body, patterns and symbols from nature that reoccur across cultures, and natural materials. Sculpt life-size figures in water-based clay, and then cast them into an architectural concrete. Ground pigments mixed with beeswax or shellac, and natural materials such as wasp paper, bark, roots, and seeds are often used to finish the work.
kcallas@monmouth.edu

Corey Dzenko, Associate Professor. B.F.A., Central Michigan University; M.A., University of Alabama; Ph.D., University of New Mexico. Contemporary and modern art history specialist, with emphasis on photography, interactive media, and theory.
cdzenko@monmouth.edu

Wobbe Koning, Associate Professor. B.F.A., The Netherlands Film and Television Academy; M.F.A., Ohio State University. Animation and interactive media specialization; also has video, sound, and television expertise.
wkoning@monmouth.edu

Mark M. Ludak, Specialist Professor.
Compliance Officer/Technical Specialist. B.A., Monmouth University; M.F.A., Hunter College. Professional work includes documentary, fine art, and editorial photography.
mludak@monmouth.edu

Frederick McKitrick, Associate Professor (Graduate Faculty).
Chair, Art and Design. B.A., M.A., Ph.D., Columbia University. Teaching areas include German history, French history, and modern European history. Current research is on German artisans of the Nazi and post-Nazi periods.
fmckitri@monmouth.edu

Susan Meyer, Specialist Professor. B.A., Skidmore College; M.A., Tufts University. Sculptor and mixed media artist. Interests include utopian communities, scholar's rocks, and melding analog and digital tools and applications.
smeyer@monmouth.edu

Mike Richison, Associate Professor. B.F.A., Calvin College; M.F.A., Cranbrook Academy of Art. Motion graphics and graphic design.
mirichiso@monmouth.edu

Jing Zhou, Professor. B.A., Sichuan Fine Arts Institute; M.F.A., Georgia Southern University. Interests include graphic design, Web design, digital media art, flash animation, art direction, and fine arts.
jzhou@monmouth.edu

Courses

AR-REV Art and Design Student Portfolio Review **Credits: None**
Term Offered: All Terms
Course Type(s): None
Required student portfolio review usually completed during the fourth semester. Transfer students need to schedule with an advisor. This is a pass/fail course.

AR-SHO Senior Show **Credits: None**
Term Offered: All Terms
Course Type(s): None
This is a pass/fail course.

AR-101 Art Appreciation **Credits: 3**
Term Offered: All Terms
Course Type(s): AT
A global survey of the cross-cultural evolution of art from the prehistoric period through the twentieth century. Emphasis will be placed on understanding the basic elements of art, the creative process, and the significance of art within the context of social, political, religious, and economic climate of its time. This course is not available to Art majors.

AR-113 Basic Design and Composition **Credits: 3**
Term Offered: Fall Term
Course Type(s): AT
An introduction to concepts fundamental to the two-dimensional plane, this course develops visual fluency through projects promoting artistic growth and critical thinking. Students learn to utilize compositional elements, including color, and research themes in contemporary art and art history. Issues of process are explored through experimentation with analog and digital methods, and with a range of media.

AR-114 Basic Design and Color **Credits: 3**
Prerequisite(s): AR-113
Term Offered: Spring Term
Course Type(s): None
A continuation of material covered in Basic Design and Composition (AR-113), this course explores color as a compositional element and a means of expression. Students become visually aware as they critically observe color, problem-solve within design projects, use analog and digital methods, and explore a variety of media.

AR-116 Three-Dimensional Design **Credits: 3**
Term Offered: Spring Term
Course Type(s): AT
An introduction to concepts fundamental to working in three dimensions, this course develops sensitivity to 3D media, processes, and concepts. Students learn to utilize 3D compositional elements, including mass, volume, and texture, and research themes in contemporary art and art history. Issues of process are explored through experimentation with analog and digital methods, and with a range of media.

AR-172 Introduction to Digital Design **Credits: 3**
Prerequisite(s): AR-113
Term Offered: All Terms
Course Type(s): TL
An introduction to basic graphic design and visual communication concepts. Builds on the skills learned in foundation courses in basic design and complements the introduction to the field in Graphic Design Studio I, AR-269. Students will become proficient in design concepts and computer skills later used in the Graphic Design field, including page layout, illustration, photography, and Web design. They will continue to develop creative problem-solving skills and the foundation theory of Graphic Design.

AR-177 Introduction to Digital Design for Non-Art majors **Credits: 3**
Term Offered: All Terms
Course Type(s): TL
Designed for students with little or no experience in computer graphics. Combines basic visual problem solving with hands-on, computer-based digital training. Projects are designed with the non-art/design major in mind and would be appropriate for students majoring in journalism, communications, marketing and music industry.

AR-178 Web Studio **Credits: 3**
Term Offered: Spring Term
Course Type(s): AT, IM, TL
An introduction to visual aesthetics, fundamental principles of user interface (UI) and user experience (UX), and technical skills required to create web graphics and media, digital presentations, and websites. Covers the use of current graphics software in addition to theoretical framework and training in content creation and management needed for the Web. Students will become proficient in visual design, concept development, information literacy, and digital programs.

AR-181 Digital Photography I **Credits: 3**
Term Offered: All Terms
Course Type(s): AT, IM
This foundational digital photography course introduces students to aesthetic, historic, and technical aspects of photographic image-making. Through a combination of lecture and hands-on projects, students will be introduced to principles of black-and-white and color photography as a means of expression and communication. Using digital cameras with manual controls and RAW image capture, students will explore a range of assignments designed to promote photographic seeing, critical thinking, aesthetic appreciation, and historical contexts.

AR-183 Black and White Photography I **Credits: 3**
Term Offered: All Terms
Course Type(s): AT
Technical proficiency in basic black and white photography, including exposure, developing, printing, and presentation. Photography is presented as a tool to understand the world and as a means of expression and communication. Students will learn how to interpret and discuss the visual language of photography.

AR-191 Drawing I: Observation **Credits: 3**
Term Offered: All Terms
Course Type(s): AT
An introduction to the fundamentals of observational drawing, this course develops the ability to translate 3-dimensional objects and space to the 2-dimensional plane. Students develop an understanding of basic drawing elements such as line, value, mass, proportion, and space, and are introduced to a variety of drawing techniques and materials. Subject matter will include both figurative and non-figurative forms; multiple sessions with the model may be included.

AR-192 Drawing II **Credits: 3**
Prerequisite(s): AR-191
Term Offered: Spring Term
Course Type(s): None
A studio course that continues to develop the skills covered in Drawing I, AR-191. Students will be introduced to both traditional and nontraditional concepts and techniques of interpretive and subjective drawing and rendering. Drawing techniques and materials pertaining to the expression of both figurative and nonfigurative subject matter will be explored. The human figure will serve as the primary subject of study with an emphasis placed on the rendering skills. The complex nature of the figure provides students with problems that require serious attention to observational skills in order to correctly render the form. Drawing II utilizes the live, nude model. Six hours per week.

AR-198 Special Topics in Art (100 Level) **Credits: 1-3**
Term Offered: Spring Term
Course Type(s): None
An intensive study of a particular subject or problem in art to be announced prior to registration. The course may be conducted on either a lecture-discussion or a seminar basis. if there is a prerequisite it will be announced in the course schedule.

AR-199 Independent Study in Art **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
Guided research - A studio project or art history topic. Weekly consultation. May be elected for a total of 6 credits Prior permission of the directing professor and department chair is required to take this course.

AR-216 Sculpture I and 3D Printing **Credits: 3**
Course Type(s): AT
Sculpture has an incredibly varied history of content, form, material, scale and intent. In this course you will become introduced to basic methods of 3D construction and fabrication, including hand modeling, digital modeling, mold-making, casting, carving and 3D printing. We will work from observation as well as conceptual models. We will explore current sculptural trends, funding and visibility/marketing models. We will also practice creating artist statements to support our work. Confidence in materials and form will lead to an ever-increasing level of craftsmanship and ability to communicate your ideas in 3D form.

AR-217 Sculpture I **Credits: 3**
Prerequisite(s): AR-116, AR-191, and AR-192 for art majors
Term Offered: Fall Term
Course Type(s): None
Sculpture for beginners as well as intermediate students, including modeling from life, plaster, simple casting procedures, found object, installation, digital modeling and 3D printing. Students will be introduced to professional practices in sculpture. Six hours per week. Department chair approval is required for non-art majors.

AR-221 Painting I **Credits: 3**
Prerequisite(s): AR-113, AR-114, AR-191, and AR-192 for art majors
Term Offered: Fall Term
Course Type(s): None
Techniques and craftsmanship to facilitate expression in acrylic or oil painting; still-life and landscape subjects. Art and Art Education students must have prerequisite. Six hours of studio work per week. Department chair approval is required for non-art majors.

AR-222 Painting II **Credits: 3**
Prerequisite(s): AR-221
Term Offered: Spring Term
Course Type(s): None
A continuation of AR-221, Painting I, with emphasis on the further development of painterly ideas and creative thinking. Art and Art Education majors must have prerequisites. Six hours of studio work per week.

AR-231 Eco Art **Credits: 3**
Term Offered: Spring Term
Course Type(s): AT
With the idea of the artist and non-artist in mind, this course focuses on building creativity, vision, and the ability to synthesize new ideas from across disciplines to form original ideas and solutions around the human/nature relationship. Through individual and collaborative problem-led investigations, students will utilize research, writing, and discussion to create 2D, 3D, and time-based art that engages a specific ecological topic. Particular focus will be placed on eco-artists' ways of working, eco-art materials, and transdisciplinary research.

AR-241 History of Western Art I **Credits: 3**
Term Offered: Fall Term
Course Type(s): ARHIS, AT
Survey of the significant styles and periods in Western art and architecture from Prehistoric to Gothic periods. Weekly lectures and discussions assist students with developing their visual literacy and a critical understanding of the past.

AR-242 History of Western Art II **Credits: 3**
Term Offered: All Terms
Course Type(s): ARHIS, AT
Survey of the significant styles and periods in Western art and architecture from the Renaissance to the present. Weekly lecture and discussions assist students with developing their visual literacy and a critical understanding of the past.

AR-253 Digital Photography II **Credits: 3**
Prerequisite(s): AR-181
Term Offered: Fall Term
Course Type(s): None
Students develop knowledge of image development, construction, retouching, and collage techniques using traditional film, digital images, and drawing as source material. Students will learn a variety of camera skills, including shooting in RAW format. A critical examination of intent is stressed along with output options and color management. Introduces programs such as Aperture and/or Lightroom to further expand digital workflow skills.

AR-265 Hand Built Ceramics **Credits: 3**
Term Offered: All Terms
Course Type(s): AT
An introduction to clay as a creative material for making both functional and sculptural 3-D forms using various hand-building techniques, including coils, slabs, carving, incising, and their combination. Basic glazing and firing methods will be covered. Slide presentations, group and individual critiques will be part of the curriculum.

AR-266 Wheel Thrown Ceramics **Credits: 3**
Term Offered: All Terms
Course Type(s): AT
An introduction to the potter's wheel as a tool for creating both functional and sculptural clay forms. In addition to throwing forms on the wheel, students will gain knowledge about glazing and firing techniques. Slide presentations, group, and individual critiques will be part of the curriculum.

AR-269 Graphic Design Studio I **Credits: 3**
Prerequisite(s): AR-113 for Art majors only
Co-requisite(s): AR-114
Term Offered: All Terms
Course Type(s): None
An introduction to graphic design, including conceptual thinking, the making of signs, icons, and symbols, logo and brand identity, letterform design, layout, and design techniques. Students will also be introduced to design history and current issues regarding the profession. For students minoring in Graphic and Interactive Design, there are no prerequisites, however, approval of the department chair is required.

AR-270 Graphic Design Studio II **Credits: 3**
Prerequisite(s): AR-172 or AR-177, and AR-269
Co-requisite(s): AR-273
Term Offered: Spring Term
Course Type(s): None
Introduces more advanced visual communications and typographic problem solving. Projects strategically test the students' understanding of design theory, research, writing, and thinking. Individual projects mimic those in a professional design environment and are developed following the traditional creative process. Projects include branding, corporate identity, information design, digital illustration, app design, and packaging.

AR-273 Digital Illustration **Credits: 3**
Prerequisite(s): AR-172 or AR-177
Term Offered: All Terms
Course Type(s): None
A continuation of Introduction to Digital Design with primary emphasis on more advanced illustration software. Assignments build on previously learned software and concepts. Projects may include illustrative posters, booklets, interiors, and currency design.

AR-282 Web Design/Interactive I for Non-BFA Candidates **Credits: 3**
Prerequisite(s): AR-172 or AR-177 or AR-178
Term Offered: Spring Term
Course Type(s): IM
An introduction to web design and development. Covers an overview of the creation of websites and the use of web graphics, web programming, and multimedia through web-based software programs. Other software tools including Photoshop and Illustrator are used to develop design concepts and web content. Fundamentals of graphic production, layout design, and web typography are discussed. Not available to BFA Candidates.

AR-283 Black and White Photography II **Credits: 3**
Prerequisite(s): AR-183
Term Offered: All Terms
Course Type(s): None
Focuses on advanced technical skills as a means of gaining greater personal and aesthetic understanding. Advanced 35mm camera and printing techniques, basic studio lighting, and exploring different photographic formats including medium, large, and toy cameras, as well as experimental techniques of image making and printing.

AR-284 Web Design/Interactive II for Non-BFA Candidates **Credits: 3**
Prerequisite(s): AR-178 or AR-282
Term Offered: Spring Term
Course Type(s): IM
Integrates previously learned web design and development concepts. Students will create dynamic web content such as animation, audio/video using web-based software and programming languages. Other software tools including Photoshop, Illustrator, and sound editing programs are used to develop design concepts and web content. Not available to BFA candidates.

AR-286 Principles of Animation for Non-BFA Candidates **Credits: 3**
Course Type(s): AT, IM
Students will learn the basic theories and principles of animation. An overview of the early history of animation will be given to put current practice into perspective. Students will be introduced to different animation techniques, such as 2D, Stop Motion, and 3D computer animation. They will apply these techniques to complete several short exercises and pick one to complete a final project. Not available to Fine Art majors. This is a hands on studio course: students will be drawing, and creating animations on the computer.

AR-287 Typography **Credits: 3**
Prerequisite(s): AR-172 or AR-177, and AR-269
Term Offered: All Terms
Course Type(s): None
An introduction to the theory, function, history, and impact of typography in graphic design. This course is an analysis of the shape and form of letters. Investigation and comparison of existing typefaces, type specification and layout in relation to graphic design and the printed piece.

AR-288 Cooperative Education: Art or Graphic Design **Credits: 3**
Term Offered: Spring Term
Course Type(s): EX2
An on-site graphic design cooperative work placement. This course may be repeated for credit.

AR-290 Motion Graphics for Non BFA Majors **Credits: 3**
Prerequisite(s): AR-172 or AR-177 or CO-145
Term Offered: All Terms
Course Type(s): IM
An introduction to the art of time-based, graphic storytelling for non-art/design majors. Emphasis will be placed on the creation of engaging digital environments through the thoughtful integration, manipulation, and orchestration of audio, video elements, typography, and animated logos. Meets six hours a week. Not available to BFA candidates.

AR-298 Special Topics in Art (200 Level) **Credits: 1-3**
Term Offered: Spring Term
Course Type(s): None
An intensive study of a particular subject or problem in art to be announced prior to registration. The course may be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

AR-299 Independent Study in Art **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
Guided research - A studio project or art history topic. Weekly consultation. May be elected for a total of 6 credits. Prior permission of the directing professor and department chair is required to take this course.

AR-306 Creative Book Arts **Credits: 3**
Prerequisite(s): AR-114 and AR-192
Term Offered: Spring Term
Course Type(s): None
An introduction to bookbinding and papermaking. Traditional western-style papermaking and several non-adhesive binding structures will be covered. The students will produce a final bound book of sequential images (pages) in any media relevant to her/his discipline. The print lab will be available but not required. Department Chair for non-Art majors is required.

AR-311 Drawing III **Credits: 3**
Prerequisite(s): AR-113, AR-114, AR-191 and AR-192
Term Offered: Fall Term
Course Type(s): None
Seeing the figure, objects, and the environment; exploring all possible avenues of expression resulting from the experience of seeing; drawing experiences in various media. Six hours per week.

AR-313 Lighting Techniques **Credits: 3**
Prerequisite(s): AR-181
Term Offered: Spring Term
Course Type(s): None
A studio course that explores the photograph in contemporary art. Photography's integral tie to light serves as the backbone of this course as it investigates the alternative and contemporary spaces used by photographic artists. Digital and analog tools and skills blur as students are encouraged to experiment and challenge their ideas of what defines a photograph. Teaches studio lighting as it applies to fine art and commercial photography. Includes technical instruction in the lighting studio as well as on location with both portable lights and natural light. Defined by critiques and continues technical and conceptual advancement.

AR-316 Sculpture II **Credits: 3**
Prerequisite(s): AR-217
Term Offered: Spring Term
Course Type(s): EX3
A direct continuation of AR-217, Sculpture I, processes along with multi-media contemporary practice of interdisciplinary collaboration, artist teams and social practice art. Students will develop professional practices in sculpture. Six hours per week.

AR-317 Sculpture III **Credits: 3**
Prerequisite(s): AR-217 and AR-316
Course Type(s): None
A direct continuation of AR-218 students will develop a body of three-dimensional work exploring further skills learned in Sculpture II, expanding on content, form, material, scale and intent. Final artist talk required along with professional presentation of digital and actual art objects. Six hours per week.

AR-321 Painting III **Credits: 3**
Prerequisite(s): AR-221 and AR-222
Term Offered: Spring Term
Course Type(s): None
The development of the student as a painter, with emphasis on the philosophy of painting. Six hours of studio per week.

AR-323 Documentary Photography **Credits: 3**
Prerequisite(s): AR-181
Term Offered: Fall Term
Course Type(s): None
By investigating documentary-style photography, this course concentrates on using still images to tell stories. Working both independently and in small groups to produce documentary photographs, students explore the role of documentary photography in society.
Prerequisite: AR-181

AR-325 Writing Supplement for Art and Design **Credits: 1**
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): WT
The writing component for co-registered studio classes which integrates a fifteen-page research paper. Emphasis is placed on the quality of writing and research.

AR-326 Writing Supplement for Art and Design **Credits: 1**
Prerequisite(s): EN-101 or EN-102 or permission of the instructor; A 200, 300, or 400 level studio course is required as a corequisite
Term Offered: All Terms
Course Type(s): WT
The writing component for co-registered studio classes which integrates a fifteen-page research paper. Emphasis is placed on the quality of writing and research.

AR-335 BFA Internship/Seminar **Credits: 3**
Prerequisite(s): AR-371 or AR-392 and Junior status
Term Offered: All Terms
Course Type(s): EX1
Internship experience with the development of occupational or professional competence in the career setting. Combines both internship work experience at an approved work location with a structured seminar class. The seminar component of this course will also guide students through the process of resume writing, interviewing techniques, and best business practice. On-site design or animation work internship (fifteen to twenty hours per week for a total of 150 hours) plus four three-hour long seminar sessions with faculty. This course may be repeated once for credit.

AR-341 Art Theory and Writing **Credits: 3**
Prerequisite(s): AR-242, EN-101, and EN-102; or permission of the instructor
Term Offered: Fall Term
Course Type(s): ARHIS, WT
Designed to develop a critical understanding of theories of contemporary art and various types of art writing, including, but not limited to, art criticism, art historical writing, and artist statements.

AR-342 History of New and Expanded Media in Art **Credits: 3**
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): ARHIS, IM, WT
A survey of computer-based new media and ephemeral expanded media in art with emphasis on the later twentieth century to the present. Topics could include the use of computing, robotics, biotech research, virtual reality, performance, and social practice in art while critically reflecting on the aesthetic, cultural, social, and political contexts within which these media emerged.

AR-343 Renaissance, Mannerist, and Baroque Art **Credits: 3**
Prerequisite(s): AR-242
Course Type(s): ARHIS
Painting, sculpture, and architecture in Europe from 1400s-1800s. Museum visits required.

AR-345 Early to Late Modern Art **Credits: 3**
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: Spring Term
Course Type(s): ARHIS, WT
A critical analysis of various meanings of "Modernism" in art. This course studies academic art to art of the present through U.S., European, and global case studies. Museum visits required.

AR-346 History of Graphic Design **Credits: 3**
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): ARHIS, WT
A survey of graphic design with an emphasis on the twentieth century to the present. The course instructs students in researching areas of interest to broaden their knowledge of issues in the discipline while critically reflecting on the aesthetic, cultural, social, and political contexts within which graphic design emerged.

AR-347 History of Photography **Credits: 3**
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): ARHIS, CD, WT
A topically arranged survey of world photography, this course takes as its central concern the multiple purposes to which photography has been adapted since its "discovery" in the early nineteenth century. Although the relationship between photography and fine art is considered, the many non-art uses of the medium are also discussed in an attempt to better understand the cultural contexts in which photography has been employed.

AR-348 Art of India **Credits: 3**
Term Offered: All Terms
Course Type(s): ARHIS, AT, BI.EL, GU, RE
The visual art of India: how to look at it and how it might be best understood. The larger cultural context in which this art was produced, drawing upon history, religion, mythology, and literature will be discussed. Essentially, pre-modern Indian art is religious art. After studying the major monuments associated with Buddhism and Hindu art, the themes common to both traditions will be considered. The temple as an artistic expression and as a religious center will be explored. Because of the vastness of India art, this course will not include Mughal and later monuments.

AR-349 Asian Art Survey **Credits: 3**
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): ARHIS, GU, WT
Important Artistic Monuments from India, China and Japan. Since Buddhism is a connecting link for Asian cultures, emphasis is placed on Buddhist art.

AR-350 World Art Nineteenth-Twentieth Century **Credits: 3**
Term Offered: All Terms
Course Type(s): ARHIS, RE
A global investigation of the cross-cultural evolution of art in the nineteenth to mid-twentieth century. Non-Western art will be studied from the point of discovery through its influence on modern, Western, visual expression. Emphasis will be placed on the significance of the art work within the context of the social, political, religious, and economic climate of its time.

AR-351 Methods of Teaching Art I **Credits: 3**
Prerequisite(s): AR-114, AR-116, AR-192, and ED-320 and a minimum G.P.A. of 3.00.
Term Offered: All Terms
Course Type(s): None
The history and philosophy of art education; the construction of art curricula and the exploration of teaching methods; media and tools appropriate for the educational level. Methods I deals with the needs of the elementary school child. The course includes research-based pedagogical strategies for teaching linguistically diverse students, those with diverse learning needs, incorporating instructional technology into the classroom and utilizing data to inform instruction. Clinical Hours required. Also listed as ED-351.

AR-352 Methods of Teaching Art II **Credits: 3**
Prerequisite(s): ED-351 or AR-351 and Minimum G.P.A. of 3.0.
Term Offered: Spring Term
Course Type(s): None
The history and philosophy of art education; the construction of art curricula and the exploration of teaching methods; media and tools appropriate for the educational level. Methods II deals with the needs of the adolescent. The course includes research-based pedagogical strategies for teaching linguistically diverse students, those with diverse learning needs, incorporating instructional technology into the classroom and utilizing data to inform instruction. Clinical Hours required. Also listed as ED-352.

AR-353 Digital Photography III **Credits: 3**
Prerequisite(s): AR-253
Term Offered: All Terms
Course Type(s): None
A strong foundation in the technical and aesthetic aspects of color photography through projects utilizing digital RAW files and analog negatives with instruction in color printing and studio lighting as it pertains to the nuances of color. Discussions and critical writings focus on the history and theory of color photography. Combines analog and digital techniques and focuses on more advanced file managing and color control both on the monitor and in the print.

AR-366 Contemporary Art and Worldbuilding **Credits: 3**
Prerequisite(s): EN-101 and EN-102 or instructor permission
Term Offered: All Terms
Course Type(s): CD, WT, ARHIS
Examines the history of contemporary art of various forms of worldbuilding. Topics may include, but are not limited to: the built environment and its impacts on communities, public monuments, immersive and virtual art/video games, artist utopias, design for good, art and education, art and mass incarceration, artist collectives, art and climate crisis, and community building through art. Class assignments will focus on research and writing within the arts.

AR-367 African American Art **Credits: 3**
Prerequisite(s): EN-101 and EN-102 or permission of the instructor.
Term Offered: All Terms
Course Type(s): CD, WT, ARHIS, RE
Examines the history of "African American Art" from the 18th century to the present by analyzing a range of visual art media and the institutions of art that contribute to uneven power dynamics based on race. Class assignments will focus on research and writing within the arts.

AR-368 Gender, Art, and Society **Credits: 3**
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Course Type(s): ARHIS, GS
A critical survey about the role of gender in the arts through a study of representational subjects, artists, and patronage. This course considers art's role in the construction of gender as a social structure by drawing from fields that include art history, gender studies, critical race studies, and queer theory.

AR-370 Advanced Typography **Credits: 3**
Prerequisite(s): AR-287
Term Offered: Spring Term
Course Type(s): None
An advanced level course in the study of typography. This course will expand upon topics covered in AR-287 Typography by considering the emotional, expressive, and effective use of typographic elements pertaining to graphic design and visual messaging. Projects will be produced for a variety of applications including: broadsides (print media), original typeface design with Font Lab Studio (digital), and conceptual typography (experimental).

AR-371 Graphic Design Studio III **Credits: 3**
Prerequisite(s): AR-270
Term Offered: All Terms
Course Type(s): None
Marks the transition from graphic design fundamentals to more complex visual problem solving. Projects focus on original exploration and design in corporate identity and branding. Course topics include: trademark and copyright, marketing research, brand strategy, and design briefs. Students implement concepts through creation of collateral, packaging, and interactive promotion. Professional preparation of work for commercial use is an integral part of this course.

AR-374 Digital Imaging **Credits: 3**
Prerequisite(s): AR-273
Term Offered: All Terms
Course Type(s): None
Advanced concepts and creative techniques in digital imaging using Adobe Photoshop. Projects build on all previously learned software, specifically the Adobe Creative Suite. Assignments include varied aspects of graphic design including file preparation and creation for digital compositing and large format printing. This course also prepares students for work within the professional printing industry.

AR-375 Illustration for Gaming **Credits: 3**
Prerequisite(s): AR-114, AR-172, and AR-192
Course Type(s): None
Introduction and application of illustration as a means toward effective visual communication in the gaming and animation industry. Emphasis on the development of the creative visual concept and its relationship to style, media, technique, and methods of reproduction. Introduction to a variety of traditional and non-traditional techniques.

AR-381 Print: Intaglio/Relief **Credits: 3**
Prerequisite(s): AR-191 and AR-192
Term Offered: All Terms
Course Type(s): None
Introduction to the printmaking techniques of relief printing; linocut, woodcut, and etching; hard and soft ground, and aquatint. Six hours per week. Department chair approval is required for non-art majors.

AR-382 Print: Lithography and Silkscreening **Credits: 3**
Prerequisite(s): AR-191 and AR-192
Term Offered: All Terms
Course Type(s): None
Introduction to the printmaking techniques of aluminum plate lithography and Photo Silkscreen, with an emphasis on multiple color and combination Litho/Silkscreen hybrid prints. Six hours per week. Department Chair approval for non-art majors is required.

AR-383 Web Design/Interactive I **Credits: 3**
Prerequisite(s): AR-253 or AR-374
Term Offered: All Terms
Course Type(s): None
An introduction to web design and production. Covers an overview of the creation of websites and the use of web graphics, web programming, and multimedia through web-based software programs. Fundamentals of graphic production, layout design, web typography, and the principles of Interaction Design and UX Design are discussed.

AR-384 Web Design/Interactive II **Credits: 3**
Prerequisite(s): AR-383
Term Offered: Spring Term
Course Type(s): None
An advanced class in web design and development. It extends the design principles and techniques introduced in Web Design/Interactive I. Students will create dynamic web content such as animation, audio/video using web-based software and programming languages. Emerging web technology will be discussed.

AR-385 2D Animation **Credits: 3**
Prerequisite(s): AR-172
Term Offered: Spring Term
Course Type(s): None
Students will be exposed to the fundamental terminology, concepts, and techniques of creating 2D animations to broaden their skills as animators and enhance their overall creative ability. Using pencil and paper in conjunction with computer based techniques, students will gain experience in basic principles of animation including timing, expression of emotion, straight ahead action and pose to pose, key frames and in-betweens. In the assigned projects for this course, students are responsible for controlling and manipulating a subject's perceived volume, weight, proportion, and movement, thus gaining a more thorough understanding of the animation process.

AR-386 Principles of Animation **Credits: 3**
Prerequisite(s): AR-114
Term Offered: Fall Term
Course Type(s): None
Students will learn the basic theories and principles of animation. An overview of the early history of animation will be given to put current practice into perspective. Students will be introduced to different animation techniques, such as 2D, Stop Motion, and 3D computer animation. They will apply these techniques to complete several short exercises and pick one to complete a final project.

AR-387 3D Modeling, Lighting and Rendering **Credits: 3**
Prerequisite(s): AR-172
Term Offered: Spring Term
Course Type(s): None
Students will learn how to create virtual objects, both hard surface and organic models, apply materials and lighting, set up a camera, and render professional quality images. Special attention will be given to modeling for animation and real time rendering. The focus will be on the concepts, aesthetics, and practice of generating 3D computer imagery as a means of artistic expression.

AR-389 Art and Photography Internship **Credits: 1-3**
Term Offered: All Terms
Course Type(s): EX1
An internship in any art and design disciplines with the development of professional competence in the career setting. The placement must enhance a student's knowledge of his or her chosen field of study. Students are required to complete 50 hours per credit. Sophomore status and permission of the instructor is required to register for this course.

AR-390 Animation/Motion Graphics I **Credits: 3**
Prerequisite(s): AR-172 or AR-181
Term Offered: All Terms
Course Type(s): IM, RD
An introduction to the art of time-based, graphic storytelling. Emphasis will be placed on the creation of engaging digital environments through the thoughtful integration, manipulation, and orchestration of audio, video elements, typography, and animated logos.

AR-391 Animation/Motion Graphics II **Credits: 3**
Prerequisite(s): AR-290 or AR-390
Course Type(s): IM
Explores the commercial and experiential nature of motion graphics. Projects for this advanced course expand upon established time-based narrative structures for film, video and television. Emphasis will be placed on the synergy of video, writing, storyboarding, editing, and three-dimensional graphic elements.

AR-392 3-D Animation **Credits: 3**
Prerequisite(s): AR-116 or AR-387
Co-requisite(s): AR-386
Course Type(s): None
Building upon the Principles of Animation, students learn to create three dimensional animations, both virtual (3D Computer Animation) and physical (Stop Motion). Character Animation, Procedural animation and Simulation, and animation for Real Time applications will be introduced. Students will complete assignments for each of these different types of animation, and complete a final project with their choice of one of these techniques.

AR-393 3-D Animation Production **Credits: 3**
Prerequisite(s): AR-387
Term Offered: Fall Term
Course Type(s): None
Concepts, tools and techniques employed in animated storytelling. Students will pre-visualize their projects through storyboarding, planning, and assembling shots in sequence. Students will learn how to combine sound with advanced 3D computer animation. Audio/visual synchronization as well as character lip syncing with phonemes will be explored. Students will construct complex 3D animated stories in Maya and complete a fully animated piece.

AR-394 3-D Environments and Effects **Credits: 3**
Prerequisite(s): AR-393, or AR-387 and AR-392
Term Offered: Spring Term
Course Type(s): None
Concepts, tools, and techniques for creating realistic natural environments and phenomena (such as moving clouds, fire, and flowing water). Students will sculpt complex polygonal geometry into various terrains including landscapes and foliage. Students will learn to create realistic backgrounds incorporating natural light. Creating realistic shadows will be explored as well. Students will learn how to use particle emitters in order to simulate phenomena such as flowing water, flames, and snow.

AR-395 Animation Production **Credits: 3**
Prerequisite(s): AR-386 and AR-390
Course Type(s): None
Students learn how to organize and plan an animation project, add sound and finish their final product. All the steps from concept to final product are covered: Storyboarding, Animatic, Sound, Post-production. While students will make use of computer technology for the practical side of this course, the main focus is on the professional animation process: workflow, planning, and best practices.

AR-398 Special Topics in Art (300 Level) **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
An intensive study of a particular subject or problem in art to be announced prior to registration. The course may be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

AR-399 Independent Study in Art **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
Guided research - a studio project or art history topic. Weekly consultation. May be elected for a total of six credits. Prior permission of the directing professor and department chair is required to take this course.

AR-401 Senior Portfolio **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
A seminar class that chronologically analyzes and refines graphic design and computer projects, which have been done throughout the student's coursework. Meetings with instructor to discuss and critique reworked and new projects that have been specifically assigned.

AR-402 Photography Portfolio **Credits: 3**
Prerequisite(s): AR-353
Term Offered: Spring Term
Course Type(s): None
Equal parts seminar and studio in its approach, this senior-level course incorporates discussions and readings focused on contemporary photo-based artworks and the theoretical and critical developments in recent photographic art practices. In addition, this course helps prepare students to enter the professional art world and/or graduate school. Students develop a cohesive portfolio of photographic imagery and create a strategy for the presentation of their work.

AR-403 Advanced Digital Imaging and Illustration **Credits: 3**
Prerequisite(s): AR-253 or AR-374
Term Offered: All Terms
Course Type(s): None
For student designers and fine artists with intermediate computer skills who are interested in more advanced concepts and creative techniques in digital illustration, photography, digital collage, printmaking and handmade techniques, digital book publishing, and large format printing. Programs to be explored are Adobe Photoshop and Wacom digital tablets.

AR-404 Responsive Media **Credits: 3**
Prerequisite(s): CO-145 or AR-181
Term Offered: Spring Term
Course Type(s): CORTP, IM
Students learn how to make interfaces for smart phones and tablets to create interactive audio and video. In addition, students will produce creative projects using data mapping, generative art and work collaboratively on a site-specific media project. Also listed as CO-404.

AR-408 Senior Year Experience: Client/Thesis **Credits: 3**
Co-requisite(s): AR-383
Term Offered: Fall Term
Course Type(s): None
The first part of a two course, senior year capstone experience designed to provide students the opportunity to propose and research a thesis project, create entry-level, professional design work, and to work with clients all while under the direction of a faculty member. For BFA majors Graphic Design majors only.

AR-409 Senior Year Experience: Thesis/Portfolio **Credits: 3**
Prerequisite(s): AR-408
Co-requisite(s): AR-384
Term Offered: Spring Term
Course Type(s): None
The second part of a two course, senior year capstone experience designed to provide students the opportunity to complete a thesis project, work with clients under the direction of a faculty member, successfully mount their senior exhibition for AR-SHO credit, and to create an entry-level, professional design portfolio. For BFA Graphic Design Majors only.

AR-410 Advanced Project I **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
Research, art making, and writing for Honors Project may be conducted for photography, painting, sculpture, printmaking, graphic design, Web design, or motion graphics and is determined by a student's particular discipline and medium of choice. The art to be made is informed by the student's research and is articulated in full through a final eighteen-twenty page research paper. The topic of research may include but is not limited to identity, gender roles in culture, feminism, religion, the occult, consumerism, politics, cultural diversity, war, personal experience, Renaissance vs. contemporary art, Greek vs. contemporary sculpture, etc. Alternatively, the student may also conduct a thorough exploration of the characteristics of a particular medium. Art and Design faculty must approve the topic. This is the first part of a two-semester class. To register for this course, students must have Junior standing or higher, permission of the department chair, a minimum G.P.A. of 3.00, a major G.P.A. of 3.50, and the student must be an art or fine arts major.

AR-411 Advanced Project II **Credits: 1-3**
Prerequisite(s): AR-410, a minimum G.P.A. of 3.00, a major G.P.A. of 3.50, Junior status, EN-101 and EN-102 or permission of the instructor, and the student must be an Art or Fine Arts major and have permission of the department chair
Term Offered: Spring Term
Course Type(s): WT
Research, art making, and writing for Honors Project may be conducted for photography, painting, sculpture, printmaking, graphic design, Web design or motion graphics and is determined by a student's particular discipline and medium of choice. The art to be made is informed by the student's research and is articulated in full through a final eighteen to twenty-page research paper. The topic of research may include but is not limited to identity, gender roles in culture, feminism, religion, the occult, consumerism, politics, cultural diversity, war, personal experience, Renaissance vs. contemporary art, Greek vs. contemporary sculpture, etc. Alternatively, the student may also conduct a thorough exploration of the characteristics of a particular medium. Art and Design faculty must approve the topic. This is the second part of a two-semester class.

AR-414 Group Project in 3D Animation **Credits: 3**
Prerequisite(s): AR-394 or AR-395
Term Offered: Fall Term
Course Type(s): None
Students will learn how to work on a production team for a 3D project. Students will work in a team environment to brainstorm, communicate effectively, develop project goals, and delegate responsibilities. Students will learn how to meet deadlines both individually and collectively. Student groups are expected to produce a 3D animated piece with an estimated three-minute duration.

AR-415 Senior Animation Reel **Credits: 3**
Prerequisite(s): AR-414
Term Offered: Spring Term
Course Type(s): None
Students will create a reel between two to three minutes in duration of their animation work from previous animation projects and new animation projects. Includes lecture, discussion, demonstration, critiques and individual meetings with students to support the development of students' work. Students will research self-promotional opportunities such as competitions and festivals. Students will revise their resume to respond to their career interests. Emphasis will be placed on the development of a personal point of view.

AR-488 Cooperative Education: Art or Graphic Design **Credits: 3**
Prerequisite(s): AR-335 or AR-337 and departmental approval
Term Offered: Spring Term
Course Type(s): EX2
An on-site graphic design cooperative work placement. This course may be repeated for credit.

AR-489 Internship in Art and Design **Credits: 1-3**
Term Offered: All Terms
Course Type(s): EX1
An internship in either graphic design or fine arts at an off-campus work site. The placement must enhance a student's working knowledge of his or her chosen field of study. Students are required to complete a minimum of ten hours per week for a total minimum of 150 hours.

AR-498 Special Topics in Art (400 Level) **Credits: 1-3**
Term Offered: Spring Term
Course Type(s): None
An intensive study of a particular subject or problem in art to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If there is a prerequisite it will be announced in the course schedule.

AR-499 Independent Study in Art **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
Guided research - a studio project or art history topic. Weekly consultation. May be elected for a total of six credits. Students must have Senior standing and prior permission of the directing professor and department chair to take this course.

B.A. in Art (AR.BA)

Code	Title	Credits
Core Requirements/Art (30 credits)		
AR-113	Basic Design and Composition	3
AR-114	Basic Design and Color	3
AR-116	Three-Dimensional Design	3
AR-172	Introduction to Digital Design	3
(Satisfies Technological Literacy (TL) in General Education)		
AR-181	Digital Photography I	3
AR-191	Drawing I: Observation	3
AR-192	Drawing II	3
AR-241	History of Western Art I	3
AR-242	History of Western Art II	3
AR-300+: Select 3 credits in Art History at the 300+ level		3
AR-REV	Art and Design Student Portfolio Review	0
AR-SHO	Senior Show	0
Art Major Requirements (24 credits)		
(Art Major Requirements satisfy Aesthetics (AT) in General Education)		
AR-217	Sculpture I	3
AR-221	Painting I	3
AR-222	Painting II	3
AR-311	Drawing III	3
AR-316	Sculpture II	3
AR-321	Painting III	3
AR-265	Hand Built Ceramics	3

or AR-266	Wheel Thrown Ceramics	
Select one of the following:		3
AR-306	Creative Book Arts	
AR-381	Print: Intaglio/Relief	
AR-382	Print: Lithography and Silkscreening	
Free Electives (27 credits) [1, 2]		
Select up to 27 credits of free electives. [1, 2]		27
General Education Requirements (39 credits) [3]		
Complete 39 credits as outlined on the General Education table. [3]		39
Total Credits		**120**

[1] *Recommended: Any Art (AR) course at 300+ or 400+ levels and/or* CO-272 Real People Reel Stories (3 cr.)

[2] *Please consult with your advisor regarding the required number of free electives.*

[3] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(p. 44) courses must be completed.*

Notes

- 58 credits must be completed at the 200 level or higher.
- The Department of Art and Design awards departmental honors to graduating seniors who successfully complete AR-410 Advanced Project I (1-3 cr.) and AR-411 Advanced Project II (1-3 cr.), and maintain a 3.50 major GPA, and a 3.00 overall GPA.

Sequence Chart

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
AR-113 Basic Design and Composition	3	AR-114 Basic Design and Color	3
AR-191 Drawing I: Observation (Gen*Ed Aesthetics AR, DA, MU, TH)	3	AR-192 Drawing II	3
AR-241 History of Western Art I	3	AR-116 Three-Dimensional Design	3
Gen*Ed Historical Perspectives (HS.SV) or Social Science Survey (SS.SV)	3	AR-242 History of Western Art II	3
Semester Credits	**15**	**Semester Credits**	**15**

Second Year

Fall	Credits	Spring	Credits
AR-217 Sculpture I	3	AR-REV Art and Design Student Portfolio Review	0
AR-221 Painting I	3	AR-222 Painting II	3
Gen*Ed Historical Perspectives (HS.SV)	3	AR-316 Sculpture II	3
Gen*Ed Natural Science BY, CE, PH, SC, GL	3	Gen*Ed Social Science Survey (SS.SV)	3
Gen*Ed World Language	3	Gen*Ed Natural Science BY, CE, PH, SC, GL	3
		Gen*Ed Mathematics	3
Semester Credits	**15**	**Semester Credits**	**15**

Third Year

Fall	Credits	Spring	Credits
Select one:-381/AR-382/AR-306	3	Gen*Ed Reasoned Oral Discourse (RD)	3
AR-172 Introduction to Digital Design (Gen*Ed Technological Literacy (TL)	3	Free Electives	9
AR-181 Digital Photography I	3	AR-300 Art History course	3
Gen*Ed CulturalDiversity (CD) or Global Understanding (GU)	3		
EN-2xx Gen*Ed Literature (LIT)	3		
Semester Credits	**15**	**Semester Credits**	**15**

Fourth Year

Fall	Credits	Spring	Credits
AR-311 Drawing III	3	AR-321 Painting III	3
AR-265 Hand Built Ceramics or 266	3	AR-SHO Senior Show	0
Gen*Ed Interdisciplinary Perspectives (ISP)	3	Free Electives	9
Free Electives	6	Free Electives	3
Semester Credits	**15**	**Semester Credits**	**15**

Total Credits 120

B.A. in Art and Education with Endorsement in K-12 Education in Art (AR.EDS.BA)

Code	Title	Credits
Major Requirements/Art Core (30 credits)		
AR-113	Basic Design and Composition	3
AR-114	Basic Design and Color	3
AR-116	Three-Dimensional Design	3
AR-172	Introduction to Digital Design	3
(Satisfies Technological Literacy (TL) in General Education)		
AR-181	Digital Photography I	3
AR-191	Drawing I: Observation	3
AR-192	Drawing II	3
AR-241	History of Western Art I	3
AR-242	History of Western Art II	3
(Art courses in major satisfy Aesthetics (AT) in General Education)		
Select 3 credits in Art History from the following courses:		3
AR-347	History of Photography	
AR-348	Art of India	
AR-349	Asian Art Survey	
AR-366	Contemporary Art and Worldbuilding	
AR-367	African American Art	
(Any of these five courses will fulfill General Education Cultural Diversity (CD) or Global Understanding (GU) requirement)		
AR-REV	Art and Design Student Portfolio Review	0
AR-SHO	Senior Show	0
Major Requirements/Education (24 credits) [1]		
ED-250	Psychological and Philosophical Foundations of Education	3
EDS-330	Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
EDS-336	Classroom Management	3

ED-319	Content Literacy and Assessment	3
ED-320	Teaching Emergent Multilinguals in an Inclusive Classroom	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
Select 9 credits as follows: [2]		
ED-416 & 416S	Clinical Practice and Clinical Practice Seminar	9
Art Major Requirements (24 credits)		
AR-217	Sculpture I	3
AR-221	Painting I	3
AR-222	Painting II	3
AR-265	Hand Built Ceramics	3
or AR-266	Wheel Thrown Ceramics	
AR-311	Drawing III	3
AR-316	Sculpture II	3
AR-321	Painting III	3
Select one of the following:		3
AR-381	Print: Intaglio/Relief	
AR-382	Print: Lithography and Silkscreening	
AR-306	Creative Book Arts	
Education Interdisciplinary Requirements (3 credits)		
MA-100	Quantitative Reasoning and Problem Solving	3
or MA-205	Number Systems	
(MA-100 and MA-205 both satisfy Mathematics in General Education)		
Art Method Requirements (9 credits)		
ED-351	Methods of Teaching Art I	3
ED-352	Methods of Teaching Art II	3
ED-377	Integrated K-12 Teaching Methods	3
Free Electives (0 credits) [3]		
The number of free electives, if any, will be determined in consultation with your advisor. [3]		
General Education Requirements (30 credits) [4]		
Complete 30 credits as outlined on the General Education table. [4]		30
Total Credits		**120**

[1] *Minimum grade of "C" required for Education Courses.*
[2] *Students must complete the appropriate test requirement(s) with a passing score PRIOR to Clinical Practice.*
[3] *Please consult with your advisor regarding the required number of free electives that must be completed.*
[4] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(p. 44) courses must be completed.*

Additional Endorsements Available

- ESL - English as a Second Language - K-12
- TSD - Teacher of Students with Disabilities - K12

Notes

- 54 credits must be completed at the 200 level or higher.
- Education majors are required to have an overall GPA of 3.00 for State Certification.
- By state regulation, all Education Majors seeking content area endorsement must complete 30 content credits (12+ credits at the 300+ level).

Sequence Chart

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
AR-113 Basic Design and Composition	3	AR-114 Basic Design and Color	3
AR-191 Drawing I: Observation	3	AR-116 Three-Dimensional Design	3
AR-241 History of Western Art I	3	AR-192 Drawing II	3
Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3	ED-250 Psychological and Philosophical Foundations of Education	3
Semester Credits	**15**	**Semester Credits**	**15**

Second Year

Fall	Credits	Spring	Credits
ED-320 Teaching Emergent Multilinguals in an Inclusive Classroom (Gen*Ed Reasoned Oral Discourse (RD) and Writing Intensive (WT))	3	AR-222 Painting II	3
AR-217 Sculpture I	3	AR-242 History of Western Art II	3
AR-221 Painting I	3	AR-316 Sculpture II	3
FO-xxx Gen*Ed World Language	3	AR-REV Art and Design Student Portfolio Review	0
Gen*Ed Historical Perspectives (HS.SV) or Social Science Survey (SS.SV)	3	EDS-330 Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
		EN-2xx Gen*Ed Literature (LIT)	3
Semester Credits	**15**	**Semester Credits**	**15**

Third Year

Fall	Credits	Spring	Credits
MA-100 Quantitative Reasoning and Problem Solving or 205	3	AR-181 Digital Photography I	3
AR-172 Introduction to Digital Design	3	Select one from: AR-381, AR-382, or AR-306	3
Select one from: AR-347, AR-348, AR-349, AR-366, or AR-367 (Satisfied Cultural Diversity (CD) or Global Understanding (GU))	3	ED-319 Content Literacy and Assessment	3
EDS-336 Classroom Management	3	ED-352 Methods of Teaching Art II	3
ED-351 Methods of Teaching Art I	3	Gen*Ed Social Science Survey (SS.SV)	3
		Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
Semester Credits	**15**	**Semester Credits**	**18**

Fourth Year

Fall	Credits	Spring	Credits
ED-377 Integrated K-12 Teaching Methods	3	AR-SHO Senior Show	0
AR-311 Drawing III	3	ED-416 Clinical Practice	8
AR-321 Painting III	3	ED-416S Clinical Practice Seminar	1
AR-265 Hand Built Ceramics or 266	3	PR-4xx Gen*Ed Interdisciplinary Perspectives (ISP)	3

Gen*Ed Historical Perspectives (HS.SV)	3		
Semester Credits	**15**	**Semester Credits**	**12**

Total Credits 120

B.A. in Art with a Concentration in Photography (AR.PHOTO.BA)

Code	Title	Credits
Core Requirements/Art (30 credits)		
(Any Art course satisfies Aesthetics (AT) in General Education)		
AR-113	Basic Design and Composition	3
AR-114	Basic Design and Color	3
AR-116	Three-Dimensional Design	3
AR-172	Introduction to Digital Design	3
(Satisfies Technological Literacy (TL) in General Education)		
AR-181	Digital Photography I	3
AR-191	Drawing I: Observation	3
AR-192	Drawing II	3
AR-241	History of Western Art I	3
AR-242	History of Western Art II	3
Select 3 credits in Art History at the 300+ level		3
AR-REV	Art and Design Student Portfolio Review	0
AR-SHO	Senior Show	0
Photography Concentration Requirements (33 credits)		
AR-183	Black and White Photography I	3
AR-283	Black and White Photography II	3
AR-253	Digital Photography II	3
AR-353	Digital Photography III	3
AR-313	Lighting Techniques	3
AR-323	Documentary Photography	3
AR-347	History of Photography	3
(Satisfies Cultural Diversity (CD) in General Education)		
AR-383	Web Design/Interactive I	3
AR-389	Art and Photography Internship	3
AR-390	Animation/Motion Graphics I	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
AR-402	Photography Portfolio	3
Free Electives (24 credits) [1,2]		
Select up to 24 credits of free electives [1, 2]		24
General Education Requirements (33 credits) [3]		
Complete 33 credits as outlined on the General Education table. [3]		33
Total Credits		**120**

1 *Recommended: Any Art (AR) course at 200+, 300+, or 400+ levels and/or* CO-272 Real People Reel Stories (3 cr.).

2 *Please consult with your advisor regarding the required number of free electives that must be completed.*

3 *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(p. 44) courses must be completed.*

Notes

- 54 credits must be completed at the 200 level or higher.
- The Department of Art and Design awards departmental honors to graduating seniors who successfully complete AR-410 Advanced Project I (1-3 cr.) and AR-411 Advanced Project 2 (1-3 cr.), and maintain a 3.50 major GPA, and a 3.00 overall GPA.

Sequence Chart

First Year			
Fall	**Credits**	**Spring**	**Credits**
EN-101 College Composition I	3	EN-102 College Composition II	3
AR-113 Basic Design and Composition (Gen*Ed Aesthetics (AT) AR,DA,MU,TH)	3	AR-114 Basic Design and Color	3
AR-181 Digital Photography I	3	AR-116 Three-Dimensional Design	3
AR-191 Drawing I: Observation	3	AR-192 Drawing II	3
AR-241 History of Western Art I	3	AR-242 History of Western Art II	3
Semester Credits	**15**	**Semester Credits**	**15**

Second Year			
Fall	**Credits**	**Spring**	**Credits**
AR-172 Introduction to Digital Design (Gen*Ed Technological Literacy (TL)	3	AR-REV Art and Design Student Portfolio Review	0
AR-183 Black and White Photography I	3	AR-283 Black and White Photography II	3
FO-xxx Gen*Ed World Language	3	MA-xxx Gen*Ed Mathematics	3
Gen*Ed Historical Perspectives (HS.SV)	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3	Gen*Ed Social Science Survey (SS.SV)	3
		Free Elective	3
Semester Credits	**15**	**Semester Credits**	**15**

Third Year			
Fall	**Credits**	**Spring**	**Credits**
AR-253 Digital Photography II	3	AR-313 Lighting Techniques	3
AR-347 History of Photography (Gen*Ed Cultural Diversity (CD) and Writing Intensive (WT)	3	AR-390 Animation/Motion Graphics I (Gen*Ed Reasoned Oral Discourse (RD)	3
EN-2xx Gen*Ed Literature (LIT)	3	Gen*Ed Historical Perspectives (HS.SV) or Social Science Survey (SS.SV)	3
Free Electives	6	AR-3xx 300+ Level Art History Course	3
		Free Electives - AR-xxx to satisfy Gen*Ed Writing Intensive Requirement	3
Semester Credits	**15**	**Semester Credits**	**15**

Fourth Year			
Fall	**Credits**	**Spring**	**Credits**
AR-323 Documentary Photography	3	AR-389 Art and Photography Internship (Gen*Ed Experiential Education (ExEd)	3
AR-383 Web Design/Interactive I	3	AR-402 Photography Portfolio	3
AR-353 Digital Photography III	3	AR-SHO Senior Show	0
PR-xxx Gen*Ed Interdisciplinary Perspectives (ISP)	3	Free Electives	9

Free Elective	3		
Semester Credits	**15**	**Semester Credits**	**15**

Total Credits 120

B.F.A. in Design and Animation with a Concentration in Animation (FA.ANI.BFA)

Code	Title	Credits
Art & Design Core Requirements (24 credits)		
(Any Art course satisfies Aesthetics (AT) in General Education)		
AR-113	Basic Design and Composition	3
AR-114	Basic Design and Color	3
AR-172	Introduction to Digital Design	3
(Satisfies Technological Literacy (TL) in General Education)		
AR-181	Digital Photography I	3
AR-191	Drawing I: Observation	3
AR-192	Drawing II	3
AR-241	History of Western Art I	3
AR-242	History of Western Art II	3
AR-REV	Art and Design Student Portfolio Review	0
AR-SHO	Senior Show	0
Animation Requirements (48 credits)		
AR-116	Three-Dimensional Design	3
AR-217	Sculpture I	3
AR-269	Graphic Design Studio I	3
AR-273	Digital Illustration	3
AR-335	BFA Internship/Seminar	3
or AR-389	Art and Photography Internship	
AR-374	Digital Imaging	3
AR-385	2D Animation	3
AR-386	Principles of Animation	3
AR-387	3D Modeling, Lighting and Rendering	3
AR-390	Animation/Motion Graphics I	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
AR-391	Animation/Motion Graphics II	3
AR-392	3-D Animation	3
AR-395	Animation Production	3
AR-414	Group Project in 3D Animation	3
AR-415	Senior Animation Reel	3
Select one 300+ Level Course with Course Type: ARHIS		3
Animation Advanced Option (6 credits)		
Select 2 courses from the following:		6
AR-313	Lighting Techniques	
AR-323	Documentary Photography	
AR-375	Illustration for Gaming	
AR-381	Print: Intaglio/Relief	
AR-382	Print: Lithography and Silkscreening	
AR-383	Web Design/Interactive I	
AR-384	Web Design/Interactive II	
AR-394	3-D Environments and Effects	
AR-403	Advanced Digital Imaging and Illustration	
AR-404	Responsive Media	
AR-410	Advanced Project I	
AR-411	Advanced Project II	
Free Electives (6 credits) [1]		
Select up to 6 free elective credits [1]		6
General Education Requirements (36 credits) [2]		
Complete 36 credits as outlined on the General Education table. [2]		36
Total Credits		**120**

[1] *Please consult with your advisor regarding the required number of free electives that must be completed.*

[2] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(p. 44) courses must be completed.*

Notes

- 54 credits must be completed at the 200 level or higher.
- The Department of Art and Design awards departmental honors to graduating seniors who successfully complete AR-410 Advanced Project I (1-3 cr.) and AR-411 Advanced Project 2 (1-3 cr.) with a "B" average, a 3.50 major GPA, and a 3.30 overall GPA.
- B.F.A. majors must pass the Art & Design Student Portfolio Review (AR-REV Art and Design Student Portfolio Review (0 cr.) given in the 4th semester of study.

Sequence Chart

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
AR-113 Basic Design and Composition (Gen*Ed Aesthetics (AT) AR,DA,MU,TH)	3	AR-114 Basic Design and Color	3
AR-191 Drawing I: Observation	3	AR-116 Three-Dimensional Design	3
AR-241 History of Western Art I	3	AR-192 Drawing II	3
MA-xxx Gen*Ed Mathematics	3	AR-242 History of Western Art II	3
Semester Credits	**15**	**Semester Credits**	**15**

Second Year

Fall	Credits	Spring	Credits
AR-172 Introduction to Digital Design	3	AR-387 3D Modeling, Lighting and Rendering	3
AR-181 Digital Photography I	3	AR-269 Graphic Design Studio I	3
AR-386 Principles of Animation	3	AR-385 2D Animation	3
EN-2xx Literature (LIT)	3	Gen*Ed Historical Perspectives (HS.SV)	3
FO-xxx Gen*Ed World Language	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
		AR-REV Art and Design Student Portfolio Review	0
Semester Credits	**15**	**Semester Credits**	**15**

Third Year

Fall	Credits	Spring	Credits
AR-217 Sculpture I	3	AR-273 Digital Illustration	3

AR-390 Animation/Motion Graphics I (Gen*Ed Reasoned Oral Discourse (RD)	3	AR-335 BFA Internship/Seminar or 389 (Gen*Ed Experiential Education (ExEd)	3
AR-392 3-D Animation	3	AR-391 Animation/Motion Graphics II	3
AR-300+ Art History (ARHIS) Course (Gen*Ed Writing Intensive (WT)	3	AR-395 Animation Production	3
Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3	Gen*Ed Historical Perspectives (HS.SV) or Social Science Survey (SS.SV)	3
Semester Credits	**15**	**Semester Credits**	**15**

Fourth Year

Fall	Credits	Spring	Credits
AR-374 Digital Imaging	3	AR-415 Senior Animation Reel	3
AR-414 Group Project in 3D Animation	3	AR-xxx Animation Advanced Option	3
AR-xxx Animation Advanced Option	3	Gen*Ed Social Science Survey (SS.SV)	3
Gen*Ed Cultural Diversity (CD) or Global Understanding (GU)	3	Free Electives	6
PR-4xx Gen*Ed Interdisciplinary Perspectives (ISP)	3		
Semester Credits	**15**	**Semester Credits**	**15**

Total Credits 120

B.F.A. in Design and Animation with a Concentration in Graphic and Interactive Design (FA.GD.BFA)

Code	Title	Credits
Art & Design Core Requirements (24 credits)		
(Any Art course satisfies Aesthetics (AT) in General Education)		
AR-113	Basic Design and Composition	3
AR-114	Basic Design and Color	3
AR-172	Introduction to Digital Design	3
(Satisfies Technological Literacy (TL) in General Education)		
AR-181	Digital Photography I	3
or AR-183	Black and White Photography I	
AR-191	Drawing I: Observation	3
AR-192	Drawing II	3
AR-241	History of Western Art I	3
AR-242	History of Western Art II	3
AR-REV	Art and Design Student Portfolio Review [1]	0
AR-SHO	Senior Show	0
Graphic Design Requirements (45 credits)		
AR-346	History of Graphic Design	3
AR-269	Graphic Design Studio I	3
AR-270	Graphic Design Studio II	3
AR-273	Digital Illustration	3
AR-287	Typography	3
AR-335	BFA Internship/Seminar	3
or AR-389	Art and Photography Internship	
AR-371	Graphic Design Studio III	3
AR-374	Digital Imaging	3
AR-383	Web Design/Interactive I	3
AR-384	Web Design/Interactive II	3
AR-390	Animation/Motion Graphics I	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
AR-408	Senior Year Experience: Client/Thesis	3
AR-409	Senior Year Experience: Thesis/Portfolio	3
Select one AR-300+ Level Course with Course Type: ARHIS		3
AR-381	Print: Intaglio/Relief	3
or AR-382	Print: Lithography and Silkscreening	
Graphic Design Advanced Option (6 credits)		
Select 6 credits from the following:		6
AR-323	Documentary Photography	
AR-370	Advanced Typography	
AR-386	Principles of Animation	
AR-387	3D Modeling, Lighting and Rendering	
AR-391	Animation/Motion Graphics II	
AR-403	Advanced Digital Imaging and Illustration	
AR-306	Creative Book Arts	
AR-410	Advanced Project I	
AR-411	Advanced Project II	
Free Electives (9 credits) [2]		
Select up to 9 free elective credits. [2]		9
General Education Requirements (36 credits) [3]		
Complete 36 credits as outlined on the General Education table. [3]		36
Total Credits		**120**

[1] *B.F.A. Majors must pass the Sophomore Review (AR-REV) given in the 4th semester of study.*

[2] *Please consult with your advisor regarding the required number of free electives that must be completed.*

[3] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(p. 44) courses must be completed.*

Notes

- 54 credits must be completed at the 200 level or higher.
- The Department of Art and Design awards departmental honors to graduating seniors who successfully complete AR-410 Advanced Project I (1-3 cr.) and AR-411 Advanced Project 2 (1-3 cr.) with a "B" average, a 3.50 major GPA, and a 3.30 overall GPA.
- B.F.A. majors must pass the Art & Design Student Portfolio Review AR-REV Art and Design Student Portfolio Review (0 cr.) given in the 4th semester of study.

Sequence Chart

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
AR-113 Basic Design and Composition (Gen*Ed Aesthetics (AT) AR,DA,MU,TH)	3	AR-114 Basic Design and Color	3

AR-191 Drawing I: Observation	3	AR-172 Introduction to Digital Design (Gen*Ed Technological Literacy (TL)	3
AR-241 History of Western Art I	3	AR-192 Drawing II	3
MA-xxx Gen*Ed Mathematics	3	AR-242 History of Western Art II	3
Semester Credits	**15**	**Semester Credits**	**15**

Second Year

Fall	Credits	Spring	Credits
AR-181 Digital Photography I or 183	3	AR-REV Art and Design Student Portfolio Review	0
AR-269 Graphic Design Studio I	3	AR-270 Graphic Design Studio II	3
AR-273 Digital Illustration	3	AR-287 Typography	3
FO-xxx Gen*Ed World Language	3	EN-2xx Gen*Ed Literature (LIT)	3
Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
		Gen*Ed Social Science Survey (SS.SV)	3
Semester Credits	**15**	**Semester Credits**	**15**

Third Year

Fall	Credits	Spring	Credits
AR-346 History of Graphic Design	3	AR-381 Print: Intaglio/Relief or 382	3
AR-371 Graphic Design Studio III	3	AR-390 Animation/Motion Graphics I (Gen*Ed Reasoned Oral Discourse (RD)	3
AR-374 Digital Imaging	3	AR-335 BFA Internship/Seminar or 389 (Gen*Ed Experiential Education (ExEd)	3
Gen*Ed Historical Perspectives (HS.SV)	3	AR-300+ Art History Course (Gen*Ed Writing Intensive (WT)	3
Gen*Ed Cultural Diversity (CD) or Global Understanding (GU)	3	AR-xxx Graphic Design Advanced Option	3
Semester Credits	**15**	**Semester Credits**	**15**

Fourth Year

Fall	Credits	Spring	Credits
AR-383 Web Design/Interactive I	3	AR-384 Web Design/Interactive II	3
AR-408 Senior Year Experience: Client/Thesis	3	AR-409 Senior Year Experience: Thesis/Portfolio	3
AR-xxx Graphic Design Advanced Option	3	PR-4xx Gen*Ed Interdisciplinary Perspectives (ISP)	3
Gen*Ed Historical Perspectives (HS.SV) or Social Science Survey (SS.SV)	3	Free Elective	6
Free Electives	3	AR-SHO Senior Show	0
Semester Credits	**15**	**Semester Credits**	**15**

Total Credits 120

Minor in Animation/Motion Design (MIN.ANMD)

Code	Title	Credits
AR-286	Principles of Animation for Non-BFA Candidates	3
AR-290	Motion Graphics for Non BFA Majors	3
Select 3 credits from the Following Courses: [1]		3
AR-181	Digital Photography I	
AR-172	Introduction to Digital Design	
AR-177	Introduction to Digital Design for Non-Art majors	
CO-145	Introduction to Video Production	
CO-221	Introduction to Digital Media	
Select 6 Credits from the Following Courses:		6
AR-385	2D Animation	
AR-391	Animation/Motion Graphics II	
AR-392	3-D Animation	
AR-395	Animation Production	
Total Credits		**15**

[1] *One of these courses will serve as a prerequisite for AR-286 and AR-290*

Minor in Art (MIN.ART)

Code	Title	Credits
AR-113	Basic Design and Composition	3
AR-114	Basic Design and Color	3
AR-116	Three-Dimensional Design	3
AR-191	Drawing I: Observation	3
Select 6 credits from the following:		6
AR-181	Digital Photography I	
AR-183	Black and White Photography I	
AR-192	Drawing II	
AR-217	Sculpture I	
AR-221	Painting I [1]	
AR-222	Painting II	
AR-253	Digital Photography II	
AR-265	Hand Built Ceramics	
AR-266	Wheel Thrown Ceramics	
AR-283	Black and White Photography II	
AR-306	Creative Book Arts	
AR-316	Sculpture II	
AR-381	Print: Intaglio/Relief [1]	
AR-382	Print: Lithography and Silkscreening [1]	
Total Credits		**18**

[1] Art Minors may override the prerequisite of AR-192 Drawing II (3 cr.)with permission of the instructor.

Minor in Art History (MIN.ART.HIS)

Code	Title	Credits
AR-241	History of Western Art I	3
AR-242	History of Western Art II	3
Select 9 credits from the following:		9
AR-341	Art Theory and Writing	
AR-342	History of New and Expanded Media in Art	
AR-343	Renaissance, Mannerist, and Baroque Art	
AR-345	Early to Late Modern Art	
AR-346	History of Graphic Design	
AR-347	History of Photography	
AR-348	Art of India	
AR-349	Asian Art Survey	
AR-350	World Art Nineteenth-Twentieth Century	
AR-366	Contemporary Art and Worldbuilding	
AR-367	African American Art	

AR-368	Gender, Art, and Society	
Total Credits		**15**

Minor in Asian Studies (MIN.ASIAN)

Code	Title	Credits
HS-283	The Civilizations of Asia (India, China, Japan)	3
PS-373	Comparative Politics in Asia	3
Select 9 credits from the following:		9
AR-348	Art of India	
AR-349	Asian Art Survey	
HS-284	Modern East Asia	
HS-285	Modern China	
PL-216	Religions and Philosophies of India	
PR-435	The Way and the Word Hinduism	
PS-371	International Service Seminar	
PS-372	Democracy in Asia and South Asia	
Total Credits		**15**

Minor in Interactive Media (MIN.IM)

Code	Title	Credits
Requirements (12 credits)		
AR-178	Web Studio	3
or CO-221	Introduction to Digital Media	
AR-181	Digital Photography I	3
or CO-145	Introduction to Video Production	
CO-241	Introduction to Screen Studies	3
or AR-342	History of New and Expanded Media in Art	
CO/AR-404	Responsive Media	3
Electives (6 credits)		
Select 6 credits from courses designated with Course Type: IM		6
Total Credits		**18**

Notes

- Communication Majors can share up to 6 credits, **13 credits must be unique to the minor**.
- Art and Design Majors can share AR-181 Digital Photography I (3 cr.) plus substitute any two of the following required courses from their major for AR-178 Web Studio (3 cr.):

Code	Title	Credits
AR-284	Web Design/Interactive II for Non-BFA Candidates	3
AR-383	Web Design/Interactive I	3
AR-384	Web Design/Interactive II	3
AR-386	Principles of Animation	3
AR-390	Animation/Motion Graphics I	3

10 credits must be unique to the minor.

Minor in Photography (MIN.PHOTO)

Code	Title	Credits
AR-181	Digital Photography I	3
AR-183	Black and White Photography I	3
AR-253	Digital Photography II	3
AR-347	History of Photography	3
Select 3 credits from the following:		3
AR-313	Lighting Techniques	
AR-323	Documentary Photography	
AR-353	Digital Photography III	
Total Credits		**15**

Note

- Not Available to Art Majors

Graphic and Interactive Design Minor (MIN.GD)

Code	Title	Credits
AR-172	Introduction to Digital Design	3
or AR-177	Introduction to Digital Design for Non-Art majors	
AR-269	Graphic Design Studio I	3
Select 9 credits from the following courses		9
AR-181	Digital Photography I	
AR-270	Graphic Design Studio II [1]	
AR-273	Digital Illustration	
AR-282	Web Design/Interactive I for Non-BFA Candidates	
AR-287	Typography	
AR-290	Motion Graphics for Non BFA Majors	
AR-374	Digital Imaging [2]	
Total Credits		**15**

[1] This course has a corequisite of AR-273 Digital Illustration (3 cr.)
[2] This course has a prerequisite of AR-273 Digital Illustration (3 cr.)

Note:

This minor is not available to Bachelor of Fine Arts (BFA) candidates.

Communication

Chair: Deanna Shoemaker, Department of Communication

In our commitment to students' personal, professional, and public success, the mission of the Department of Communication is to provide a rigorous, ethical, collaborative, and culturally responsive learning environment. We embrace civic participation ideals and provide rich opportunities for written, oral, and technological communication competence, research skills, intercultural appreciation, and professional readiness.

The Department serves this mission at the undergraduate level through its three clusters:

- Communication Studies,
- Journalism and Public Relations, and
- Media Studies and Production.

Student Honor Societies: Alpha Epsilon Rho (Media Studies and Production), Lambda Pi Eta, the National Communication Honor Society.

Programs

Majors

- B.A. in Communication with a Concentration in Communication, Culture, and Leadership (p. 103)
- B.A. in Communication with a Concentration in Journalism, Public Relations, and Sports Communication (p. 104)
- B.A. in Communication with a Concentration in Media, Content Creation, and Sports (p. 105)
- B.A. in Spanish with a Concentration in Communication (Journalism Cluster) (p. 107)
- B.A. in Spanish with a Concentration in Communication (Media Studies & Production Cluster) (p. 106)

Minors

- Communication (p. 108)
- Interactive Media (p. 109)
- Journalism (p. 109)
- Leadership Communication (p. 109)
- Media Production (p. 109)
- Public Relations (p. 109)
- Screen Studies (p. 110)
- Sports Communication (p. 110)

Faculty

Richard Cox, Associate Professor (Graduate Faculty). B.S., M.F.A., Virginia Commonwealth University. Research interests include creative coding, digital fabrication, open-source electronics, physical cmputing, play, gaming, extended reality, interactive design, immersive experience design, animation, time-based media, and collaboration.
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Aaron Furgason, Associate Professor. B.A., Monmouth Univesity; M.A., Emerson College; Ph.D., Rutgers University. Radio Production, Radio Station Management, Radio Programming and Promotions, Topics in Film, Intro to Screen Studies, Media Literacy, Media Analysis. Research interests include radio and recording industries and film studies. Faculty advisor to the 1000-watt FM University radio station, WMCX.
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Matthew Harmon, Specialist Professor. B.A., M.A., Monmouth University. Areas of interest include sports broadcasting, sports history, issues in sports, performance practices, radio/tv/media broadcasting. Classes Taught include History of Sports Media, Live Sports TV, Sports Broadcasting, Issues in Sports Media, Performance for Broadcasting, Broadcast News, Sports Film, Voice Diction, and Public Speaking.
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Mary Harris, Specialist Professor. B.A., Rowan University; M.A., Monmouth University. Areas of interest include public relations, social media, digital marketing, media relations, crisis and reputation management, health communication, and event planning. Teaches Social Media, Strategic Digital Communication, Digital Fundraising Events, Principles of PR, and PR Writing.
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Shannon Hokanson, Senior Lecturer. B.A., M.A., Monmouth University. Primary interests include Communication Pedagogy and Service Learning Pedagogy. Courses taught include Topics in Communication Theory Research, Small Group Communication, and Graduate Foundations in Communication.
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Nicholas Messina, Specialist Professor. B.A., Ramapo College of New Jersey. Areas of interest include audio production and podcasting, media history and analysis, political communication and propaganda.
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John Morano, Professor. B.A., Clark University; M.A., Pennsylvania State University. Research interests include environmental journalism. Publishing a fifth novel in his Eco-Adventure Book Series titled "An Incomplete Forest." Involved in entertainment journalism, film criticism, and journalism ethics. Senior writer and special projects producer for Forrest Galante, Host, on Discovery/Animal Planet Networks.
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Alexis M. Nulle, Specialist Professor. B.A., Rutgers University; M.A., Monmouth University. Areas of interest include: Sports and Public Relations, Non-profit organizations and Digital Media Writing. Teaches Sports and PR, Digital Media Writing and Introduction to Public Relations. Public Relations Student Society of America and Public Relations Society of America.
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Michael Phillips-Anderson, Associate Professor (Graduate Faculty). B.A., George Mason University; M.A., St. John's College; Ph.D., University of Maryland. Areas of interest include rhetoric, political communication, gender studies, and humor. Undergraduate courses include Rhetoric and Persuasion, Fictional Politics, and Public Speaking. Graduate courses include Communication Theories for Professional Life and Presentation Design Delivery.
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Rebecca Sanford, Associate Professor. B.A., University of Pittsburgh; M.A., Monmouth University; Ph.D., Temple University. Undergraduate courses taught include Interpersonal Communication, Family Communication, Nonverbal Communication, Communication Research Methods, and Communication Theory. Faculty advisor to Lambda Pi Eta, the National Communication Honor Society, and First Year Advisor in the Center for Student Success.
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Robert E. Scott, Senior Specialist Professor, Arthur and Dorothy Greenbaum/Robert Ferguson/NJAR Endowed Chair in Real Estate Policy. B.A., Monmouth University; M.F.A., University of Miami. Professional experience and areas of interest include film and video production, entertainment media technologies, media history, news reporting, web development, corporate communication, scriptwriting, and media asset management.
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Jennifer Shamrock, Senior Lecturer. B.A., LaSalle University; M.A., University of Maine; Ph.D., Hugh Downs School of Communication,

Arizona State University. Courses taught include Intercultural Communication, Gender, Race, and Media in Communication, and Research Methods in Communication. Research interests include qualitative interviewing, personal narrative, cultural representations of gender and race/ethnicity, and ethnographic research methods.
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Deanna Shoemaker, Associate Professor (Graduate Faculty). Chair, Communication. B.F.A., Webster University; M.A., Ph.D., University of Texas at Austin. Areas of interest include Performance Studies, Cultural and Identity Studies, Critical Pedagogy, and Service Learning and community Engagement. Teaches Voice and diction; Multicultural Performance of Literature; Performance Theory and practice; Group Devised Performance; Public Speaking; Power of Story; Intercultural Communication; and Ethnographic Research Methods. Faculty advisor to CommWorks, Students Committed to Performance.
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Kristine M. Simoes, Senior Specialist Professor. B.A., M.A., Rowan University. Teaching focus on field-applicable curriculum that prepares students for careers in public relations professions. Courses developed include Public Relations Writing/Layout and Design, Public Relations Campaigns, and Public Relations Trends and Analysis. APR, Public Relations Society of America.
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Amanda Stojanov, Assistant Professor (Graduate Faculty). B.F.A., Monmouth University; M.F.A., University of California, Los Angeles. Artist whose work resides between disciplines and technologies. Through installations and use of world-building techniques, she investigates how innovations in communication technologies affect perceptions of identity, agency, and visibility. Areas of expertise are new media, multi-media installations, design, interactivity, creative coding, and networked media. Research interests are physical computing, game-theory, mixed reality, and computer graphics.
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Marina Vujnovic, Professor (Graduate Faculty). B.A., University of Zagreb; M.A., University of Northern Iowa; Ph.D., University of Iowa. Primary fields of research are participatory journalism and new media studies, critical public relations, media history and gender. Research interests focus on international communication and global flow of information; journalism studies; public relations, and explorations of the historical, political-economic, and cultural impact on media, gender, and ethnicity.
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Sherry Wien, Associate Professor. B.A., Lynchberg College; M.A., Penn State University; Ph.D., Rutgers University. Areas of disciplinary expertise are organizational and interpersonal communication. Teaching interests are business communication and listening skills. Research interests are how Prince Rogers Nelson demonstrated various functions of eye contact and how characters in tv shows and movies demonstrate various listening styles.
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Courses

ASL-101 American Sign Language I **Credits: 3**
Term Offered: All Terms
Course Type(s): None
This Learner-centered course is designed for students with little or no previous knowledge of American Sign Language (ASL). Students acquire basic grammar and lexical skills that will enable them to communicate in routine social or professional situations within an authentic cultural context.

ASL-102 American Sign Language II **Credits: 3**
Prerequisite(s): ASL-101
Term Offered: All Terms
Course Type(s): None
Designed to continue development of American Sign Language (ASL) skills with primary focus on refining the use of basic ASL sentence types. Students will continue to be exposed foundational aspect of ASL classifiers, hand configuration, palm orientation, and signing space as well as transitioning body language. Students will engage in an expanded learning of Deaf culture and history.

CO-100 Communication Foundations **Credits: 3**
Term Offered: All Terms
Course Type(s): None
An introduction to the Communication discipline and its central questions. Students will examine the applications of Communication knowledge in the world and explore key contemporary issues and debates within the field.

CO-102 Radio Production **Credits: 3**
Term Offered: All Terms
Course Type(s): COSPT
Basic principles of radio broadcasting, with emphasis on pre-production, planning, and audio production techniques.

CO-106 Listening **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
Practice listening skills in a variety of personal, academic, and professional contexts. Applying current research in listening theory. Understanding and appreciating the importance of listening every day and for a lifetime.

CO-120 Interpersonal Communication **Credits: 3**
Term Offered: All Terms
Course Type(s): None
The principles and fundamentals of human oral communication in person-to-person and small group environments; the process of encoding and decoding messages, language usage, listening, and feedback.

CO-145 Introduction to Video Production **Credits: 3**
Term Offered: All Terms
Course Type(s): IM
Introduction to basic video production equipment, production processes, and approaches to the creation of time-based video content. No previous video course work or experience is required. This course will demonstrate a wide variety of practical and critical tools that will help you gain a meaningful understanding of how video products are made, how to work with others in production teams, and how to work in front of and behind cameras to create and produce content.

CO-155 Media Literacy **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Introduces students to a range of critical thinking skills for use when encountering media materials, including television, radio, print, and Internet resources. Students will develop an understanding of the complex functions of the mass media industries and an understanding of the aesthetic, emotional, cognitive, and moral choices involved in interpreting media messages.

CO-201 Producing Live Radio **Credits: 3**
Prerequisite(s): CO-102
Course Type(s): CORTA
Principles of radio interviewing, storytelling, and live music production will be covered, with an emphasis on pre-production, planning, and on-air techniques. A central focus of this class is to prepare students for creative work in radio. This class will require on-air performance on WMCX.

CO-204 Introduction to Media Writing **Credits: 3**
Term Offered: All Terms
Course Type(s): None
The course introduces the diverse field of media writing and integrates a comprehensive scope of the various skills required of today's effective writer. Class sessions will offer students practical and critical tools designed to develop a range of writing styles and techniques while introducing related applications and career opportunities. Lab assignments and writing projects will integrate the tools explored in class.

CO-205 Topics in History of Sports and Media **Credits: 3**
Term Offered: Fall Term
Course Type(s): COSPT
Examines the development and evolution of selected sports and fields of athletic endeavor primarily in the United States. Students will gain knowledge of various sports, how media has covered and influenced these sports, and how those sports have impacted and influenced American culture and society. This course is repeatable for credit.

CO-206 Issues in Sports Media **Credits: 3**
Term Offered: Spring Term
Course Type(s): COSPT
Students examine the way that the media covers, analyzes, and critiques sports and sports issues. Media and sport have become two powerful and influential forces in society today. This class will demonstrate how the two have become irrevocably intertwined.

CO-210 Voice and Diction **Credits: 3**
Term Offered: All Terms
Course Type(s): COACM, COCSD, CORTA
Analyzes voice, vocal production, articulation challenges, and cultural influences; Utilizes creative practices to improve vocal confidence, clarity, quality, variety, flexibility, and range.

CO-211 Introduction to Journalism **Credits: 3**
Term Offered: All Terms
Course Type(s): COSPT
Explores how concepts of news are changing and develops a hands-on understanding of the way news is created. Course covers basic journalism techniques and standards.

CO-215 Newswriting **Credits: 3**
Prerequisite(s): CO-211; and EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): WT
Advanced theory and practicum involving newswriting and reporting.

CO-216 Journalism/PR Career Preparation **Credits: 1**
Term Offered: All Terms
Course Type(s): None
Instructs Communication majors how to effectively pursue opportunities for employment, professional training, and internships. It is designed specifically for Communication students emerging as professionals in the fields of Journalism and Public Relations.

CO-217 Radio/Television Career Preparation **Credits: 1**
Term Offered: All Terms
Course Type(s): None
Instructs Communication majors how to effectively pursue opportunities for employment, professional training and internships. It is designed specifically for Communication students studying Radio and Television.

CO-218 Communication Studies Career Preparation **Credits: 1**
Term Offered: All Terms
Course Type(s): None
Prepares Communication Studies concentration students how to effectively pursue opportunities for employment, career development and professional training in the field of Communication.

CO-220 Public Speaking **Credits: 3**
Term Offered: All Terms
Course Type(s): None
An introduction to the principles and practices of effective public speaking, using traditional rhetorical principles as applied in the composition and delivery of various types of speeches.

CO-221 Introduction to Digital Media **Credits: 3**
Term Offered: All Terms
Course Type(s): IM, TL
Provides the skills and theoretical context to produce, manage and optimize digital media to create dynamic and engaging websites, broadcast graphics and imagery for presentations. The course uses in class lectures, hands-on demonstrations, directed readings and discussions to help students understand the parameters of their digital tools and make high quality, socially engaged work. This course is repeatable for credit.

CO-222 User Experience and Interaction Design **Credits: 3**
Term Offered: All Terms
Course Type(s): CORTW, IM
Guides students through research, planning, and designing of interactive, transmedia, web, mobile, and gaming formats and platforms. Topics covered include computer-mediated communication, transmedia storytelling, information architecture for digital experiences, human computer interfaces, wireframes, and web and mobile device prototyping.

CO-223 Argumentation and Debate **Credits: 3**
Prerequisite(s): HU-201 or permission of the instructor
Term Offered: Spring Term
Course Type(s): COACM, COCSD
The principles of argumentation and their application in the debate situation; the nature and structure of reasoning, the types of evidence, the construction of briefs, and the researching of debate propositions.

CO-224 Introduction to Mass Communication **Credits: 3**
Term Offered: All Terms
Course Type(s): None
The historical development and functions of mass media, such as radio, television, print, and film.

CO-225 Business and Professional Communication **Credits: 3**
Term Offered: All Terms
Course Type(s): RD
Principles and techniques for oral and written communication skills within the business and professional situations; emphasis on job interviewing with resumes and cover letters, professional emails and social media posts, informative and persuasive presentations, and listening skills.

CO-226 Intercultural Communication **Credits: 3**
Term Offered: All Terms
Course Type(s): BI.EL, CD, RE
The process of communication between people of different cultures; the influences of culture on communicative messages and meanings.

CO-231 Multicultural Voices: From Page to Stage **Credits: 3**
Term Offered: Spring Term
Course Type(s): COACM, COCSD
Explores contemporary multicultural voices through published short stories and poetry, including slam poetry/spoken word and new forms of digital literature. Using performance of literature as a method of analysis and presentation, students will also consider enactments of identity through diverse perspectives on race/ethnicity, gender, sexuality, class, ability, and nationality.

CO-233 Rhetoric and Persuasion **Credits: 3**
Term Offered: All Terms
Course Type(s): None
A humanistic examination of rhetorical communication. Surveys rhetorical theory from classical to modern times with particular application to its importance in civic life. Introduces the practice of rhetorical criticism of written, spoken, visual, and digital media texts.

CO-234 Climate Communication **Credits: 3**
Course Type(s): RD
An examination of the role of communication in environmental science, activism, and policy. Topics include the challenges of communicating about science, risk communication, and environmental advocacy campaigns. These concepts will be put into practice through the study of argumentation practices and the performance of original, researched-based presentations.

CO-235 Sports Broadcasting **Credits: 3**
Prerequisite(s): CO-102 or CO-145
Term Offered: All Terms
Course Type(s): COSPT
Prepares students for an internship at a public or commercial radio station or an entry-level position. Students will learn how to gather, organize, write, report, and broadcast radio sports.

CO-236 Sports Reporting **Credits: 3**
Term Offered: Spring Term
Course Type(s): COSPT
Introduction to the field of sports journalism, which includes standardized news writing techniques as well as feature writing.

CO-240 Smartphone Video Production **Credits: 3**
Term Offered: Fall Term
Course Type(s): CORTP
Teaches students how to use their smartphones to produce high-quality videos which they can then share with a large and diverse online community. From the development of an idea and importance of pre-production planning to the final stages post-production and marketing, this class will guide students through the entire process of creating and sharing visual media.

CO-241 Introduction to Screen Studies **Credits: 3**
Term Offered: All Terms
Course Type(s): COSS, IM
Introduction to the disciplined study of the Screen Arts - motion picture film, television, video, and digital multimedia - with respect to the operation of the various elements of sound and image as they operate within the text of the visual work screened. Includes screening and discussion of various representative works.

CO-242 Creating Good Radio **Credits: 3**
Prerequisite(s): CO-102
Term Offered: Spring Term
Course Type(s): CORTP
Broadcasting as effective communication; practical experience in writing, producing, directing, and performing in radio programs; critical analysis of various professional broadcasts.

CO-243 History of the Motion Picture **Credits: 3**
Term Offered: Spring Term
Course Type(s): COSS
An introduction to the major phases of motion picture history from its origins to the present, including screenings and discussions of major film movements, technological innovations, and landmark directors.

CO-246 Studio-Based Video Production **Credits: 3**
Prerequisite(s): CO-145
Term Offered: All Terms
Course Type(s): CORTP
The application of aesthetic theory and production principles via video assignments produced in a production studio and control room. Emphasis is placed upon the professional crew positions to provide both a deep and wide-range of technical mastery. Experiences in this course prepare students for work in studio news, sports broadcasting, video podcasting, greenscreen work, Youtube channels, social media reels, and broadcast-style formats.

CO-247 Live TV Sports Production **Credits: 3**
Term Offered: Fall Term
Course Type(s): CORTP, COSPT
Hands-on introduction to the process of producing live television sports broadcasts. Students will examine each of the staff positions, and will serve in many of them as crew for the TV sports broadcasts on campus.

CO-250 Global Communication **Credits: 3**
Course Type(s): BI.EL, COJPR, COJPT, COPRT, GU, RE
Introduces students to the various aspects of global communication, primarily media communication, journalism, and public relations. Particular emphasis will be on the categories of difference such as gender, race, class, and ethnicity. Global communication is reshaping economic, social, cultural, and political aspects of our lives nationally and internationally. Hence, in this course students will explore essential components of global communication, emphasizing shifts in national, regional, and international media patterns and trends including production, distribution, and consumption.

CO-262 Co-Curricular Practicum in Radio **Credits: 1**
Prerequisite(s): CO-378 or permission of the instructor
Term Offered: All Terms
Course Type(s): None
Credit for specified assignments at the University radio station, WMCX, is awarded after a term-end evaluation by the instructor of the project agreed upon with the student. May not count toward major requirements. May be repeated for a total of six credits; limited to students active at the radio station for at least one semester.

CO-263 Co-Curricular Practicum in Television **Credits: 1**
Term Offered: All Terms
Course Type(s): None
Credit for specified assignments at the University television station is awarded after a term-end evaluation by the instructor of the project agreed upon with the student. May not count toward major requirements. May be repeated for a total of six credits; limited to students active at HAWK TV for at least one semester. Instructor permission is required to take this course.

CO-264 Co-Curricular Practicum in Journalism **Credits: 1**
Term Offered: All Terms
Course Type(s): None
Credit for specified assignments at the University newspaper is awarded after a term-end evaluation by the instructor of the project agreed upon with the student. May not count toward major requirements. May be repeated for a total of six credits; limited to students active at The Outlook for at least one semester. Instructor permission is required to take this course.

CO-265 Co-Curricular Practicum in Public Relations **Credits: 1**
Term Offered: All Terms
Course Type(s): None
Credit for specified public relations assignments for the Public Relations Student Society of America (PRSSA), University Clubs and Associations, and/or the University Communication Department is awarded after a term-end evaluation by the instructor of the project agreed upon with the student. May not count toward major requirements; may be repeated for a total of six credits. Instructor permission is required; limited to students active with PRSSA for at least one semester; students may also gain entry with previous experience on a public relations event/project and provide tangible evidence to advisor.

CO-266 Co-Curricular Practicum in CommWorks **Credits: 1**
Prerequisite(s): 3 credits from a course with a course type of COCSD or permission of the instructor
Term Offered: All Terms
Course Type(s): None
Credit for specified performance assignments with CommWorks (Students Committed to Performance) and, by extension, the University Communication Department is awarded after a term-end evaluation by the instructor of the project agreed upon with the student. May not count toward major requirements. May be repeated for a total of six credits; limited to students active in CommWorks for at least one semester. Students may also gain entry with previous substantial experience in performance, theatre, and/or forensics; student must provide tangible evidence to the advisor.

CO-267 Co-Curricular Practicum in MOCC **Credits: 1**
Term Offered: All Terms
Course Type(s): None
One credit for specified assignments with MOCC and by extension the University Communication Department is awarded after a term-end evaluation by the instructor of the project agreed-upon with the student. The course may not count toward other major requirements. May be repeated for a total of six credits. Permission of the instructor is required to take this course.

CO-268 Co-Curricular Practicum in HawkInteractive **Credits: 1**
Term Offered: All Terms
Course Type(s): None
This practicum serves as an opportunity for students to further develop their interactive media skills, work as part of a design team, and to grow their media portfolio with a focus on to the emerging media tools and platforms. Credit for specified assignments as part of Hawk Interactive Student Media Organization is awarded after a term-end evaluation by the instructor of the project agreed upon with the student. Hawk Interactive projects and activities make use of the IDM Research Lab, an experimental, digital media laboratory which is academically affiliated with and supported by the Department of Communication. The course may be repeated for a total of six credits; limited to students active in the Hawk Interactive Organization for at least one semester. Instructor permission is required to take this course.

CO-271 Ethics, Justice and American Prisons **Credits: 3**
Prerequisite(s): SO-101 and instructor approval
Term Offered: Fall Term
Course Type(s): SJS
Explores the rise of mass incarceration in the United States, with a critical look at the ethical, socio-cultural, political and economic factors that shape the American prison system today. The course is also the gateway course to The Monmouth University Academic Exchange Program, also referred to as MU-AEP, a collaborative effort between Monmouth University and the New Jersey Department of Corrections. This program, of which this course is a requirement, is offered by Monmouth University to help to facilitate a transformative exchange of ideas and perspectives between incarcerated students and non-incarcerated students and non-incarcerated students inside the New Jersey state prison. Also listed as SO-271.

CO-272 Real People Reel Stories **Credits: 3**
Term Offered: Spring Term
Course Type(s): COACM, CORTP, EX5
Learning to tell a story through video testimonies/interviews. Socially conscious topics will be chosen from quality of life issues being explored by our new on-campus Polling Institute or those presented by community aid organizations. Instructor permission is required to take this course.

CO-275 Performance for Broadcasting **Credits: 3**
Prerequisite(s): CO-102
Term Offered: All Terms
Course Type(s): CORTA
The fundamentals of radio announcing will be stressed along with station orientation. The student will develop strong vocal skills for a variety of radio personalities over the air.

CO-289 Internship in Communication **Credits: 3**
Prerequisite(s): CO-216 or CO-217 or CO-218, departmental approval , and Junior standing
Term Offered: Summer Term
Course Type(s): EX1
Supervised, practical experience in communication (radio, television, public relations, journalism, and human communication); emphasis on the application of discipline specific technologies and theories in a professional environment directly related to one's course of study.

CO-290 Media Law **Credits: 3**
Term Offered: All Terms
Course Type(s): COCST, COJPT, COPRT, CORTT
How the mass media is constrained and protected by the law and court interpretation. Overview will focus on libel, copyright, obscenity, free press, and other legal/illegal aspects of mass communication. Also listed as PS-290.

CO-292 Communication Research Methods **Credits: 3**
Prerequisite(s): CO-100, MA-105 and at least 6 credits in Communication
Term Offered: All Terms
Course Type(s): None
Introduction to the use of the scientific methods, various research approaches, and application of both qualitative and quantitative methods for application in the field of communication.

CO-293 Social Media **Credits: 3**
Term Offered: All Terms
Course Type(s): COJPR, COJPT, COPRT, IM
An interactive, intensive study of social media with regard to the field of public relations. Students will be introduced to new contexts and forms of social media, an ever-growing area of study.

CO-295 Introduction to Public Relations **Credits: 3**
Term Offered: All Terms
Course Type(s): COSPT
A comprehensive survey of the field of public relations. Emphasis on the evolution, role, functions, and scope of public relations in American society.

CO-296 Digital Fundraising and Events **Credits: 3**
Prerequisite(s): CO-295
Term Offered: Spring Term
Course Type(s): COJPR, COJPT, COPRT, COSPT
Designed to provide an introduction to the practice, programs, and publics of fund raising. Development of a fund raising campaign will be produced for a nonprofit client. Written and oral communication skills essential to the professional fund raiser will be practiced in class and through assignments. May be offered in a hybrid format (partially online).

CO-298 Special Topics in Communication (200 Level) **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
An intensive study of a particular subject or problem in communication to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

CO-299 Independent Study in Communication **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
Guided research on selected topics in Communication. Prior permission of the directing professor and department chair is required to take this course, along with demonstrated ability in the proposed area of concentration.

CO-300 Co-Curricular Practicum in Service Learning **Credits: 1**
Prerequisite(s): Two 200+ level courses in Communication, permission of the instructor, and a minimum G.P.A. of 2.50
Term Offered: Spring Term
Course Type(s): None
One credit is awarded for service learning work with a community partner and a faculty supervisor. Service projects are framed by academic material from the Communication Studies concentration proposed by the student. Student learning is facilitated through reflection writing. The course may not count toward other major requirements. Permission of the instructor, and a minimum G.P.A. of 2.50 are required to take this course.

CO-301 Topics in Communication Theory and Research **Credits: 3**
Prerequisite(s): CO-292, EN-101, EN-102, and eighteen credits in Communication; or permission of the instructor
Term Offered: All Terms
Course Type(s): WT
Explores a specialized topic or paradigm in Comm. Theory and Research. The course will include deep exploration of the discipline-specific theories and research methods for understanding an studying the focal topic.

CO-303 Creating a Culture of Peace **Credits: 3**
Term Offered: Spring Term
Course Type(s): COCST, COJPT, COPRT
An introduction to theories of nonviolent communication, the use of practical communication skills for nonviolent conflict resolution, and applications of nonviolent communication in historical and contemporary peace movements.

CO-304 Onstage and in the Streets: Performance and Culture **Credits: 3**
Course Type(s): CD, COCSD, COCST
Introduction to understanding diverse popular performance practices as unique and contested expressions of culture and identity. Studying human performances within everyday life, in public spaces, and through cultural rituals, street theatre, and professional productions, a variety of contemporary theories, methods, and critical issues are considered within the fields of communication, theatre, performance, and cultural studies. Students must be enrolled in the Study Abroad program in Cadiz, Spain. Also listed as FS-304.

CO-306 Interactive Media Productions **Credits: 3**
Prerequisite(s): CO-221
Course Type(s): CORTA, IM
This course uses audio, video, augmented, and virtual reality technologies in creative and professional production contexts. Traditional techniques from Communication, Media, & Performance Studies will be applied to new technologies to develop a series of Mixed Reality Performances. Students will collaborate on solo and group exercises that will culminate in a final creative project. Narrative, storytelling, marketing and design, worldbuilding, and embodiment will be foundational topics in this course.

CO-309 Family Communication **Credits: 3**
Term Offered: All Terms
Course Type(s): COACP, COCSP, COCST
Explores couple and family communication processes. Focuses on how individuals use interaction to establish, maintain, and change personal, romantic and family relationships.

CO-311 Communication Ethics **Credits: 3**
Term Offered: All Terms
Course Type(s): None
An introduction to communication ethics and related contemporary issues intended to support students in making principled communication decisions.

CO-313 Digital Media Writing **Credits: 3**
Prerequisite(s): CO-295
Term Offered: All Terms
Course Type(s): None
A study into the fundamentals of effective public relations writing, including production of media releases, position papers, and media kits. The course focuses on writing style and technique, along with form and distribution methods.

CO-315 Making the Short Film **Credits: 3**
Prerequisite(s): CO-145
Term Offered: Fall Term
Course Type(s): CORTP
Students will be given the opportunity to study and apply both the technical and aesthetic principles of film and video production, in addition to examining the characteristics of successful short narrative films. Students will enhance their skills in visual storytelling by developing and producing three short films to screen on both the big and small screen.

CO-317 Civic Journalism **Credits: 3**
Prerequisite(s): CO-211
Term Offered: Spring Term
Course Type(s): COJPW, COPRM, EX5
News with a community service attitude. Gain hands-on experience through speakers, field trips, interviews, and involvement with local issues. Students write civic journalism news stories and host a community symposium to encourage dialogue among diverse community groups.

CO-318 Topics in Film **Credits: 3**
Term Offered: All Terms
Course Type(s): COCST, CORTT, COSS
Explores in-depth a specialized topic relevant to film and cultural studies. The topic changes each time the course is taught and may include a particular film director, genre or historical period. This course is repeatable for credit.

CO-320 Small Group Communication **Credits: 3**
Course Type(s): COACM, COCST, EX3
Students explore academic perspectives on the process of group communication, leadership, conflict, decision-making, and problem solving, then reflect on and apply these perspectives outside the classroom in the context of a service learning project. Also listed as SO-320.

CO-321 Nonverbal Communication **Credits: 3**
Term Offered: All Terms
Course Type(s): COACM, COCST
We constantly communicate without words. We interpret and respond to people around us based on their communication with or without words. How we dress, the eye contact we do or do not make and the reason(s) why, whether we meet "on time" or "noon-ish," how we greet and part company, and many more nonverbals provide numerous, simultaneous channels of information exchange. Nonverbal Communication explores a range of communication types and channels, including kinesic, haptic, proxemic, vocalic, and chronemic forms of communication. Students learn not only how we use and interpret meaning within the nonverbal realm, but also how to more effectively manage their own enactment and impression management across the vast array of signals being sent and received nonverbally. Application of nonverbal communication includes romantic relationships, careers, and media contexts.

CO-323 Persuasion **Credits: 3**
Prerequisite(s): CO-100 or CO-233, or permission of the instructor
Term Offered: Spring Term
Course Type(s): COACP, COCSP, COCST
Concepts and principles of communicative messages that influence thoughts, attitudes, and behavior; roles of source, message, channel, and receiver.

CO-326 Advanced Sports Broadcasting **Credits: 3**
Prerequisite(s): CO-235
Term Offered: Spring Term
Course Type(s): COSPT
Explores in-depth the role that a broadcaster takes on covering teams and events as a play by play announcer or sideline reporter.

CO-327 Civic Participation **Credits: 3**
Prerequisite(s): CO-100, CO-120 and CO-225
Term Offered: Spring Term
Course Type(s): COACP, COCSP, COCST
Explores how public communication shapes and reinvigorates civic participation, offering ways of understanding and resolving civic problems in democratic societies.

CO-328 Sports and Public Relations **Credits: 3**
Prerequisite(s): CO-295
Term Offered: All Terms
Course Type(s): COJPR, COSPT
Sports in Public Relations is designed to provide a comprehensive overview of public relations opportunities within the sports industry. This course will explore a detailed look at all elements of sports public relations including media relations, crisis management, ethics, events and promotions, and the internet and social media. Students will gain a thorough understanding of the work PR practitioners perform for colleges, second-tier sports, major professional teams and non-profit organizations.

CO-329 Sports and Film **Credits: 3**
Term Offered: All Terms
Course Type(s): COSPT
Explores in-depth the role that sports and film play in society using different themes and teaching different life lessons. This course is repeatable for credit once.

CO-330 News Editing **Credits: 3**
Prerequisite(s): CO-211 or CO-295
Term Offered: Spring Term
Course Type(s): COJPW, COPRM
Copy-editing techniques for reviewing and improving news writing.

CO-333 Multimedia Journalism **Credits: 3**
Prerequisite(s): CO-211
Course Type(s): COJPR, COJPW, COPRM, IM
Explore the world of electronic information from a journalist's perspective. Learn to use and evaluate electronic resources including search engines, e-mail, news groups, directories, and databases for reporting news. Covers reporting and composing news stories for online publication and the legal and ethical questions raised by online news.

CO-335 Group Techniques in Performance **Credits: 3**
Term Offered: Spring Term
Course Type(s): COACM, COCSD
Various theories and techniques used in group performances with a concentration on Readers Theatre and Chamber Theatre; selected literature is arranged, analyzed, and performed. Also listed as TH-335.

CO-337 Performance Theory and Practice **Credits: 3**
Term Offered: Spring Term
Course Type(s): COACM, COCST
The study of performance offers students the opportunity to explore the power of performance in its diverse forms in both theory and practice. Students will experience a wide variety of performance contexts, including performances of self in everyday life, performances of culture, performances of literature, and socially engaged, original performance art.

CO-338 Video Post-Production **Credits: 3**
Prerequisite(s): CO-145
Course Type(s): CORTP, IM
Students will learn advanced techniques of video editing, sequencing, combining practical and special effects (SFX), color correction, metadata, and file preparation for distribution and release.

CO-339 Voiceover Workshop **Credits: 3**
Prerequisite(s): CO-102 or permission of instructor.
Term Offered: Fall Term
Course Type(s): CORTP
This course presents the announcing, production, and marketing skills needed for the professional voiceover industry. You will learn a variety of presentational styles of voiceover applicable to all mediums; expand on previous audio production knowledge; and develop skills to market oneself effectively to stand-out in a competitive pool of voiceover artists and actors.

CO-340 Writing the Review **Credits: 3**
Prerequisite(s): CO-211 or permission of the instructor and EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): COJPR, COJPW, COPRM, COSS, WT
The process of writing newspaper opinion pieces on film and theatre presentations.

CO-342 Editorial Writing **Credits: 3**
Prerequisite(s): CO-211 or permission of the instructor and EN-101 and EN-102 or permission of the instructor
Term Offered: Fall Term
Course Type(s): COJPR, COJPW, COPRM, WT
Editorial writing is the style of persuasive writing found on a newspaper's editorial pages, in online and print magazines, and in scripting some radio and television talk shows. Students will gain experience in doing research into current trends and events, persuasive writing, and exploring the multiple sides to an argument.

CO-343 Performance and Social Activism **Credits: 3**
Term Offered: Spring Term
Course Type(s): COCSD
Students survey the recent history, theories, and methods of creative activist performance and produce original performances that function as embodied visions of social change and/or resistance to social norms. Emphasis is placed on representations of gender, race/ethnicity, sexuality, class, ability, etc. as well as structural inequalities and social injustice.

CO-344 Games and Worldbuilding **Credits: 3**
Prerequisite(s): CO-221
Course Type(s): COMCS, CORTT, IM
This course presents theories of interaction, narrative, and game play. Students will situate such theories in terms of the historical, business, and socio-cultural considerations of interaction and gaming as they learn theoretical tools for understanding interactive narrative structures. Students will learn to analyze and parse game content for storytelling devices, mise-en-scène, game mechanics, player motivations, interactivity, and playability facets. Students will also collaboratively conceptualize and describe characters, levels, and worlds and engage with design theories to analyze and prototype transmedia narratives, paratext, mechanics, and interactive exchanges.

CO-345 Producing & Directing Video **Credits: 3**
Prerequisite(s): CO-145
Term Offered: Spring Term
Course Type(s): COMCS, CORTP
This course focuses on the executive roles of producers, directors, and showrunners in the crafting of film and video from concept to streaming distribution. Producers and directors lead projects through the various phases of completion forming agreements along the way. Students will delve into the various kinds of positions and crews that may be associated with visual projects. This course will prepare entry-level practitioners to read and prepare production documentation and have familiarity with the workflow and relationships within visual production.

CO-346 Documentary Film and Video **Credits: 3**
Term Offered: All Terms
Course Type(s): CORTW, COSS
An introduction to the history and development of documentary film and video, with screenings and discussions of examples of works from the major movements in documentary, and small group production of an original documentary.

CO-347 Advanced TV Sports Production **Credits: 3**
Prerequisite(s): CO-247
Course Type(s): CORTP, COSPT
Hands-on advanced study of the process of producing live and live-on-tape television sports broadcasts. Students will study each of the crew positions, and will serve in many of them as crew for the TV sports broadcasts on campus.

CO-348 Advanced Digital Media **Credits: 3**
Prerequisite(s): CO-221
Course Type(s): COMCS, CORTP
Building on introductory digital skills, students will advance and expand their knowledge of digital media techniques and workflows while conceptualizing and producing transmedia digital projects. Topics and techniques covered in the course include: motion tracking for video production, drone videography, sound design for visual media, compositing special/practical effects, batch encoding for transmedia, computer scripting for media post-production, interactive visualizations, brand activation, and game asset design.

CO-350 Broadcast Newswriting and Reporting **Credits: 3**
Prerequisite(s): CO-145
Term Offered: Spring Term
Course Type(s): CORTW
Writing and reporting techniques for broadcast news; the process of news preparation from leads or sources through copy preparation, to on-air delivery.

CO-351 Broadcast Copywriting **Credits: 3**
Prerequisite(s): CO-102 or CO-145
Term Offered: All Terms
Course Type(s): CORTW
Practical application of creative writing for radio and television.

CO-352 Broadcast News Operation **Credits: 3**
Term Offered: All Terms
Course Type(s): CORTP
Overview of TV studio and newsroom operations with an emphasis on news writing, field reporting and studio production. Students will produce news content, green screen commentaries and specialized packages. Class sessions will provide students with practical and critical tools that will help them gain a better understanding of how compelling, informative content is constructed for broadcast and online news. Open to all majors.

CO-357 Acting for Television **Credits: 3**
Prerequisite(s): TH-154
Term Offered: Spring Term
Course Type(s): CORTA
Techniques that the on-camera performer uses in various TV situations, commercials, daytime drama, situation comedy, and serious drama. Also listed as TH-357.

CO-360 Feature Writing **Credits: 3**
Prerequisite(s): CO-211 or permission of the instructor; Junior standing, and EN-101 and EN-102 or permission of the instructor
Term Offered: Spring Term
Course Type(s): COJPR, COJPW, COPRM, WT
The process of developing ideas into feature stories.

CO-365 Screenwriting **Credits: 3**
Prerequisite(s): CO-155 or permission of the instructor
Term Offered: All Terms
Course Type(s): CORTW, COSS
Writing techniques for film and television, with an emphasis on the process of screenwriting, from concept to completion and revision, as well as marketing scripts written for the screen.

CO-367 Media Analysis **Credits: 3**
Prerequisite(s): CO-155; and EN-101 and EN-102 or permission of the instructor
Term Offered: Spring Term
Course Type(s): CORTT, WT
Analysis and critical examination of the content of mass media.

CO-368 Applied Ethics in American Prisons **Credits: 3**
Prerequisite(s): SO-271 or CO-271
Term Offered: Spring Term
Course Type(s): SJS
The second in the sequence of the Monmouth University Academic Exchange Program, a collaborative effort between Monmouth University and the New Jersey Department of Corrections. This program, of which this course is a requirement, is offered by Monmouth University to help to facilitate a transformative exchange of ideas and perspectives on the topics of ethics and social issues between incarcerated students and non-incarcerated students inside a New Jersey prison. Also listed as SO-368.

CO-372 Podcasting **Credits: 3**
Prerequisite(s): CO-102
Term Offered: Fall Term
Course Type(s): CORTP
A hands-on study of alternative broadcast mediums and their relation to social media and audience studies. Examples will include Podcasting specifically, with discussion on Internet radio, LPFM, Ham Radio and Pirate radio.

CO-373 Music Promotion **Credits: 3**
Term Offered: Spring Term
Course Type(s): CORTT
A critical examination of the inner workings and business strategies that exist within the symbiotic relationship between the radio and music industry. Topics of discussion include: payola, marketing, promotion, indecency/obscenity, political economy theory, gate-keeping theory, subculture theory, and audience-making theories. Students must have Junior or higher standing to take this course.

CO-374 Radio Programming and Promotion **Credits: 3**
Prerequisite(s): CO-102
Course Type(s): CORTP
Overview of the principles of radio programming and promotions: formats, FCC rules, ratings, on-air experience, theories, and music selection choice will all be stressed. The class will produce programming and promotions to be aired on Monmouth's radio station, WMCX.

CO-375 Television Criticism **Credits: 3**
Prerequisite(s): CO-155; and EN-101 and EN-102 or permission of the instructor
Term Offered: Spring Term
Course Type(s): CORTT, WT
Analysis and critical examination of the content of television programs.

CO-376 Radio Station Management **Credits: 3**
Prerequisite(s): CO-102
Term Offered: Spring Term
Course Type(s): CORTT
Principles of management for radio stations. Discussions and practicum include: programming, promotions, sales, public relations, production, community relations, sports, and news.

CO-377 Radio Operation Practice **Credits: 3**
Prerequisite(s): CO-102 and permission of the instructor
Course Type(s): None
Seminar offered in summer only.

CO-378 Talk Radio **Credits: 3**
Prerequisite(s): CO-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): CORTA
Introduction to the preparation of documentaries, interviews, and phone-in talk shows. Students will produce a weekly show on WMCX.

CO-379 Advanced Radio Production **Credits: 3**
Prerequisite(s): CO-102 and CO-242, or CO-372 or CO-374
Term Offered: Spring Term
Course Type(s): CORTP
Advanced audio production techniques utilizing digital technology, with emphasis on the conception and realization of effective messages in radio broadcasting.

CO-380 Organizational Communication **Credits: 3**
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): COACP, COCSP, COCST, WT
Students will learn various techniques of understanding how people use communication to organize and coordinate their work. Sample discussion topics are: using social media for hiring decisions, dealing with workplace romances and sexual harassment, and managing conflict and emotions at work. Written assignments are decision- making case studies of real problems in actual organizations.

CO-381 The Power of Story **Credits: 3**
Term Offered: Spring Term
Course Type(s): COACM, COCSD, EX5
Story is the most powerful and oldest means of communication. Examines its significance in constructing and preserving culture. We focus on the oral art of storytelling, its history, theory, and practice, using a multicultural approach. Students will write, select, prepare, and perform stories from a variety of cultures and literary sources. Students will use learned performance skills in class and at off-campus locations. Junior standing or permission of the instructor is required to take this course.

CO-383 Gender, Race, and Media **Credits: 3**
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): COCSP, COCST, COJPR, COJPT, COPRT, CORTT, GS, NU.EL, RE, WT
Examines multiple understandings of masculinity, femininity, and ethnicity in contemporary society, emphasizing the influential role of the mass media. Students consider the sources of their own attitudes about gender and race and reflect on the personal, social, political, and economic consequences of these expectations.

CO-384 Seminar in Leadership Communication **Credits: 3**
Prerequisite(s): CO-220 or CO-225 or HU-201
Term Offered: All Terms
Course Type(s): None
An introduction to the study and practice of leadership from a communicating perspective. Particular focus on the relationship between communicating and leading. Examination of leadership concepts and theories in organizational, group, and public contexts. Students will analyze their personal leadership styles and develop leadership communication skills through team projects and classroom exercises.

CO-389 Internship in Communication **Credits: 1-3**
Prerequisite(s): CO-216 or CO-217 or CO-218, departmental approval, and Junior standing
Term Offered: All Terms
Course Type(s): EX1
Supervised, practical experience in communication (radio, television, public relations, journalism, and human communication); emphasis on the application of discipline specific technologies and theories in a professional environment directly related to one's course of study.

CO-390 Washington Center Internship **Credits: 7-12**
Course Type(s): EX5
This internship allows students in all majors to intern at government agencies, public service organizations, and business associations located in Washington, DC. Under the supervision of Washington Center supervisors and faculty, students gain substantive entry-level professional experience along with academic credit over the course of one semester. In general, students are required to intern in a government agency or public organizations four and a half days per week and attend educational seminars and workshops and participate in professional forums conducted by the Washington Center. In addition, students must complete learning objectives and assignments specified by Monmouth University faculty sponsors. Also listed as PS-390 and SO-390.

CO-392 Social Media **Credits: 3**
Term Offered: All Terms
Course Type(s): COJPR, COJPT, COPRT, IM, TL
An interactive, intensive study of social media with regard to the field of public relations. Students will be introduced to new contexts and forms of social media, an ever-growing area of study.

CO-393 Washington Center Course **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Students participating in a Washington Center Internship are required to enroll in a three credit seminar. A list of available courses is forwarded to all students prior to the beginning of the fall, spring, or summer term. Regular offerings include politics, professional communication, the fine and performing arts, and economics. Also listed as PS-393 and SO-393. Junior standing and a minimum G.P.A. of 2.50 is required to take this course.

CO-398 Special Topics in Communication and Theatre (300 Level) **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
An intensive study of a particular subject or problem in communication to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

CO-399 Independent Study in Communication **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
Guided research on selected topics in Communication. Prior permission of the directing professor and department chair is required along with demonstrated ability in the proposed area of concentration to take this course.

CO-402 Audience Studies **Credits: 3**
Prerequisite(s): CO-155
Term Offered: Spring Term
Course Type(s): CORTW, WT
This course explores audience studies methods for analyzing audiences of popular music genres, television shows, films, and videogames. The class utilizes various theoretical traditions (ideological, semiotic, economic, sociological, psychoanalytic, cultural studies, etc.), with a focus on their utility for interpreting the meanings of the aforementioned media phenomena and its relationship to society and everyday life. These conceptual tools will provide the basis for analyzing media phenomena and its relationship with audiences and fans. Combining theory with practice, the course emphasizes critical thinking and writing about media texts in its varied dimensions and forms.

CO-404 Responsive Media **Credits: 3**
Prerequisite(s): CO-145 or AR-181
Term Offered: Spring Term
Course Type(s): CORTP, IM
Students learn how to make interfaces for smart phones and tablets to create interactive audio and video. In addition, students will produce creative projects using data mapping, generative art and work collaboratively on a site-specific media project. Also listed as AR-404.

CO-409 Professional Media Writing **Credits: 3**
Term Offered: Spring Term
Course Type(s): CORTW
Provides an introduction to the diverse field of professional writing and integrates a comprehensive overview of the various skills required of today's freelance media writer. Class sessions will offer students practical and critical tools designed to develop a range of writing styles and techniques, while introducing related applications and career opportunities. Lab assignments and writing projects will integrate the tools explored in class. Students must have at least a Junior standing to take this course.

CO-412 Project Greenlight **Credits: 3**
Term Offered: All Terms
Course Type(s): COCSD, CORTT, COSS, IM
An orientation to career opportunities/advancement based on the successful pitch process necessary to achieve "greenlight" status for proposed media projects. Provides a comprehensive overview of new media formats, stages of media production, and related entertainment media technologies, products and services. Additionally, the course will examine the vital roles of producers and creative executives in these processes. Students will learn how to transform themselves from media consumers to media producers. No previous media-related training or experience is required. Students must have Junior standing to take this course.

CO-413 Advanced Public Relations Writing Layout and Design **Credits: 3**
Prerequisite(s): CO-295 and CO-313
Term Offered: Spring Term
Course Type(s): COJPR, COJPW, COPRM
Simulates a field public relations agency or department by providing students "real world" or field-applicable skills. An emphasis on media tools and production enables students to work in a fast-paced, deadline-intensive environment. The principles of communicating with media and specialized public audiences are core along with the preparation, production, and presentation of messages for mass consumption.

CO-414 Media Strategy **Credits: 3**
Prerequisite(s): CO-295 and CO-313, or permission of the instructor
Term Offered: All Terms
Course Type(s): COJPR, COJPW, COPRM
Application of public relations techniques to various communicative environments, communication problems, and crisis management.

CO-415 Public Relations Shark Tank **Credits: 3**
Prerequisite(s): CO-295
Term Offered: Fall Term
Course Type(s): COJPR, COJPT, COPRT
Examines, reviews, and predicts how corporate leaders solve today's public relations challenges. Curriculum focuses on existing field trends and evaluates effective, as well as ineffective, corporate strategies. Students develop an integral understanding of the vital role of public relations in successful profit and non-profit organizations. Students develop an understanding of the issues management process, identify and plan crisis administration programs, and implement public affairs communication. Student assignments include research, composition of case statements, position papers, solutions and evaluative methods involving publicity demands, special events, promotions, image problems, and other challenges.

CO-425 Political Communication **Credits: 3**
Prerequisite(s): CO-100 or CO-220 or permission of the instructor.
Term Offered: All Terms
Course Type(s): COCCL, COJPS
The impact of communication on political action. Persuasive strategies and mediated reality that affect political choices. Focus on the interpretation of political rhetoric and the role media plays in campaigns.

CO-427 Crisis and Issues Management **Credits: 3**
Prerequisite(s): CO-295
Course Type(s): COJPT, COPRT
Advanced public relations theory and practices dealing with management of organizational crisis and issues. Exploration of the process of research, analysis, planning, and implementation of crisis management. Examination of the role of the public relations professional in the development of crisis communication strategies and tactics. Emphasis on control of crisis, rumor, public perception, corporate image, and reputation. Use of case studies, simulations, group exercises, and projects to develop skills in crisis and issues management.

CO-483 Communication Internship Seminar **Credits: 3**
Term Offered: All Terms
Course Type(s): EX1
Supervised, practical experience in communication (radio, television, public relations, journalism, and human communication); emphasis on the application of discipline- specific technologies and theories in a professional environment directly related to one's course of study. On-campus seminar attendance is required. May be repeated once for credit. Junior standing is required to take this course.

CO-489 Internship in Communication **Credits: 3**
Term Offered: All Terms
Course Type(s): EX1
Supervised practical experience in communication (radio, television, public relations, and human relations) or journalism; emphasis on the programming, production, and transmission aspects of mass media. Repeatable for credit. Junior standing, departmental approval, and placement are required to take this course.

CO-491 Seminar in Communication **Credits: 3**
Prerequisite(s): CO-301, Senior standing, at least thirty credits in communication, and EN-102 passed with a grade of C or higher
Term Offered: All Terms
Course Type(s): None
Communication as an organized body of knowledge and skills; advanced problems assigned according to the special interests of the student. For Communication majors only.

CO-492 Interactive Storytelling with Data **Credits: 3**
Prerequisite(s): CO-211 and CO-221 or CO-222
Term Offered: All Terms
Course Type(s): COJPW, CORTP, IM
Designed to introduce students to the world of data journalism and teach them to tell interactive stories using raw data. We will start from asking what is data journalism and how we find stories in the data. Students will learn how to acquire data from the web, normalize the data into databases and finally use software to tell engaging, interactive stories with collected data. Students will also learn how to collect data from traditional sources that aren't necessarily found online. Students are expected to complete a data-driven journalism project as part of the course. Also offered as a graduate course, CO-592.

CO-499 Independent Study in Communication **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Guided research on selected topics in Communication. Prior permission of the directing professor and department chair is required to take this course. Demonstrated ability in the proposed area of concentration is required to take this course.

HU-201 Critical Discourse **Credits: 3**
Prerequisite(s): EN-102
Term Offered: All Terms
Course Type(s): RD
An introduction to basic principles of clear thinking and effective argument, combined with small group discourse and collaborative problem solving.

B.A. in Communication with a Concentration in Communication, Culture, and Leadership (CO.CCL.BA)

Code	Title	Credits
Communications Core Requirements (18 credits)		
CO-100	Communication Foundations	3
CO-155	Media Literacy	3
CO-204	Introduction to Media Writing	3
CO-220	Public Speaking	3
CO-221	Introduction to Digital Media (Satisfies Technological Literacy (TL) in Gen*Ed)	3
CO-226	Intercultural Communication (Satisfies Cultural Diversity (CD) in Gen* Ed)	3
Communication, Culture, & Leadership Requirements (16 credits)		
CO-120	Interpersonal Communication	3
CO-225	Business and Professional Communication (Satisfies Reasoned Oral Discourse (RD) in Gen*Ed)	3
CO-233	Rhetoric and Persuasion	3
CO-266	Co-Curricular Practicum in CommWorks (or CO-300 Co-Curricular Practicum in Service Learning)	1
CO-301	Topics in Communication Theory and Research	3
CO-491	Seminar in Communication	3
Communication, Culture, & Leadership Focus Area (24 credits)		
Take (8) Courses from Course Type: COCCL		24
Communication Electives (15 credits)		
Take five (5) 200+ level courses in CO or other discipline		15
Outside of Major Requirements (6 credits)		
HU-201	Critical Discourse (Satisfies Reasoned Oral Discourse (RD) in Gen*Ed)	3
MA-105	Mathematical Modeling in the Social Sciences (Satisfies Mathematics in General Education)	3
MA-105 required for placement scores of 2 or 3; MA-151 required for placement score of 4 and will satisfy this requirement.		
Free Electives (8 credits) [1]		
Select 8 or more credits of free electives [1]		8
General Education Requirements (33 credits) [2]		
Complete 33 Credits credits as outlined on the General Education table [2]		33
Total Credits		**120**

[1] Please consult with your advisor regarding the required number of free electives that must be completed.
[2] The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which General Education (http://catalog.monmouth.edu/undergraduate-catalog/academic-programs-support-services-regulations/general-education-requirements/) courses must be completed.

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
Gen*Ed Historical Perspectives (HS.SV)	3	Gen*Ed Social Science Survey (SS.SV)	3
Gen*Ed World Language	3	Gen*Ed Aesthetics (AT) AR,DA,MU,TH	3
CO-100 Communication Foundations	3	CO-155 Media Literacy	3
CO-120 Interpersonal Communication	3	CO-225 Business and Professional Communication	3
Semester Credits	**15**	**Semester Credits**	**15**

Second Year

Fall	Credits	Spring	Credits
Gen*Ed Literature (LIT)	3	MA-105 Mathematical Modeling in the Social Sciences (Satisfies Gen*Ed Math)	3
Gen*Ed Natural Science (NS) BY,CE,GL,GO,PH,SC	3	Gen*Ed Historical Perspectives or Social Science Survey (HS.SV or SS.SV)	3
CO-204 Introduction to Media Writing	3	CO-233 Rhetoric and Persuasion	3
CO-220 Public Speaking	3	CO-xx COCCL Focus Elective	3
CO-221 Introduction to Digital Media (Satisfies Technological Literacy (TL) in Gen*Ed)	3	CO-xx COCCL Focus Elective	3
Semester Credits	**15**	**Semester Credits**	**15**

Third Year

Fall	Credits	Spring	Credits
Gen*Ed Natural Science (NS) BY,CE,GL,GO,PH,SC	3	HU-201 Critical Discourse (Satisfies Gen*Ed Reasoned Oral Discourse (CD)	3

CO-226 Intercultural Communication (Gen*Ed Cultural Diversity (CD))	3	CO-xx COCCL Focus Elective	3
CO-301 Topics in Communication Theory and Research	3	CO-xx COCCL Focus Elective	3
CO-xx COCCL Focus Elective	3	CO-xx COCCL Focus Elective	3
200+ level elective in CO or other discipline	3	200+ level elecitive in CO or other discipline	3
Semester Credits	**15**	**Semester Credits**	**15**

Fourth Year

Fall	Credits	Spring	Credits
PR-4xx Gen*Ed Interdisciplinary Perspectives (ISP)	3	CO-491 Seminar in Communication	3
CO-xx COCCL Focus Elective	3	200+ level elective in CO or other discipline	3
CO-xx COCCL Focus Elective	3	200+ level elective in CO or other discipline	3
200+ Elective in CO or other discipline	3	Elective	3
CO-266 Co-Curricular Practicum in CommWorks or CO-300 Co-Curricular Practicum in Service Learning	1	Elective (Internship Recommended)	3
Free Elective	2		
Semester Credits	**15**	**Semester Credits**	**15**

Total Credits 120

B.A. in Communication with a Concentration in Journalism, Public Relations, and Sports Communication (CO.JPS.BA)

Code	Title	Credits
Communication Core Requirements (18 credits)		
CO-100	Communication Foundations	3
CO-155	Media Literacy	3
CO-204	Introduction to Media Writing	3
CO-220	Public Speaking	3
CO-221	Introduction to Digital Media (Satisfies Technological Literacy (TL) in Gen*Ed)	3
CO-226	Intercultural Communication (Satisfies Cultural Diversity (CD) in Gen*Ed)	3
Journalism/Public Relations Concentration Requirements (19 credits)		
CO-211	Introduction to Journalism	3
CO-215	Newswriting	3
CO-264	Co-Curricular Practicum in Journalism (or CO-265 Co-Curricular Practicum in PRSSA)	1
CO-293	Social Media	3
CO-295	Introduction to Public Relations	3
CO-313	Digital Media Writing	3
CO-333	Multimedia Journalism	3
Journalism/Public Relations Focus Area (24 credits)		
Take eight (8) courses from course type COJPS		24
Communication Electives (15 credits)		
Take five (5) CO courses at 200+ level or within any discipline		15
Outside of Major Requirements (6 credits)		
HU-201	Critical Discourse ((Satisfies Reasoned Oral Discourse (RD) in Gen*Ed)	3
MA-105	Mathematical Modeling in the Social Sciences ((Satisfies Mathematics in General Education))	3
MA-105 required for placement scores of 2 or 3; MA-151 required for placement score of 4 and will satisfy this requirement.		
Free Electives (5 credits) [1]		
Select 5 or more credits of free electives [1]		5
General Education Requirements (33 credits) [2]		
Complete 33 credits as outlined on the General Education table [2]		33
Total Credits		**120**

[1] Please consult with your advisor regarding the required number of free electives that must be completed.

[2] The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which General Education (http://catalog.monmouth.edu/undergraduate-catalog/academic-programs-support-services-regulations/general-education-requirements/) courses must be completed.

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
Gen*Ed Historical Perspectives (HS.SV)	3	Gen*Ed Aesthetics (AT) AR,DA,MU,TH	3
Gen*Ed World Languages	3	Gen*Ed Social Science Survey (SS.SV)	3
CO-100 Communication Foundations	3	CO-155 Media Literacy	3
CO-211 Introduction to Journalism (or CO-295 Introduction to Public Relations)	3	CO-211 Introduction to Journalism or CO-295 Introduction to Public Relations	3
Semester Credits	**15**	**Semester Credits**	**15**

Second Year

Fall	Credits	Spring	Credits
Gen*Ed Literature (LIT)	3	MA-105 Mathematical Modeling in the Social Sciences (Satisfies Gen*Ed Math)	3
Gen*Ed Natural Science (NS) BY,CE,GL,GO,PH,SC	3	Gen*Ed Historical Perspectives or Social Science Survey (HS.SV or SS.SV)	3
CO-204 Introduction to Media Writing	3	CO-215 Newswriting or CO-313 Digital Media Writing	3
CO-215 Newswriting (or CO-313 Digital Media Writing)	3	CO-221 Introduction to Digital Media (Satisfies Gen*Ed Technological Literacy (TL)	3
CO-220 Public Speaking	3	CO-293 Social Media	3
Semester Credits	**15**	**Semester Credits**	**15**

Third Year

Fall	Credits	Spring	Credits
Gen*Ed Natural Science (NS) BY,CE,GL,GO,PH, SC	3	HU-201 Critical Discourse (Satisfies Gen*Ed Reasoned Oral Discourse (RD))	3
CO-226 Intercultural Communication (Satisfies Gen*Ed Cultural Diversity (CD)	3	CO-xx COJPS Focus Elective	3

CO-333 Multimedia Journalism	3	CO-xx COJPS Focus Elective	3
CO-xx COJPS Focus Elective	3	CO-xx COJPS Focus Elective	3
200+ level elective in CO or other discipline	3	200+ level elective in CO or other discipline	3
Semester Credits	**15**	**Semester Credits**	**15**

Fourth Year

Fall	Credits	Spring	Credits
PR-4xx Gen*Ed Interdisciplinary Perspectives (ISP)	3	CO-xx COJPS Focus Elective	3
CO-xx COJPS Focus Elective	3	CO-xx COJPS Focus Elective	3
CO-xx COJPS Focus Elective	3	200+ level elective in CO or other discipline	3
200+ level elective in CO or other discipline	3	200+ level elective in CO or other discipline	3
Elective	2	Elective (Internship Recommended)	3
CO 264 Co-Curricular Practicum in Journalism or CO-265 Co-Curricular Practicum in PRSSA	1		
Semester Credits	**15**	**Semester Credits**	**15**

Total Credits 120

B.A. in Communication with a Concentration in Media, Content Creation, and Sports (CO.MCS.BA)

Code	Title	Credits
Communication Core Requirements (18 credits)		
CO-100	Communication Foundations	3
CO-155	Media Literacy	3
CO-204	Introduction to Media Writing	3
CO-220	Public Speaking	3
CO-221	Introduction to Digital Media (Satisfies Technological Literacy (TL) in Gen*Ed)	3
CO-226	Intercultural Communication (Satisfies Cultural Diversity (CD) in Gen*Ed)	3
Media, Content Creation, & Sports Concentration Requirements (16 credits)		
CO-102	Radio Production	3
CO-145	Introduction to Video Production	3
CO-222	User Experience and Interaction Design	3
CO-262	Co-Curricular Practicum in Radio (or CO-263 Co-Curricular Practicum in TV or CO 268 Co-Curricular Practicum in HawkInteractive)	1
CO-275	Performance for Broadcasting	3
CO-402	Audience Studies	3
Media, Content Creation, & Sports Focus Area (24 credits)		
Take eight (8) courses from course type COMCS		24
Communication Electives (15 credits)		
Take five (5) CO courses at 200+ level or within any discipline		15
Outside of Major Requirement (6 credits)		
HU-201	Critical Discourse (Satisfies Gen*Ed Reasoned Oral Discourse (RD))	3
MA-105	Mathematical Modeling in the Social Sciences ((Satisfies Mathematics in General Education)	3
MA-105 required for placement scores of 2 or 3; MA-151 required for placement score of 4 and will satisfy this requirement.		
Free Electives (8 credits) [1]		
Complete 8 credits Free Electives. [1]		8
General Education Requirements (33 credits) [2]		
Complete 33 credits as outlined on the General Education table. [2]		33
Total Credits		**120**

[1] Please consult with your advisor regarding the required number of free electives that must be completed.

[2] The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which General Education (http://catalog.monmouth.edu/undergraduate-catalog/academic-programs-support-services-regulations/general-education-requirements/) courses must be completed.

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
Gen*Ed Historical Perspectives (HS.SV)	3	Gen*Ed Aesthetics (AT) AR,DA,MU,TH	3
Gen*Ed World Languages	3	Gen*Ed Social Science Survey (SS.SV)	3
CO-100 Communication Foundations	3	CO-155 Media Literacy	3
CO-102 Radio Production (or CO-145 Introduction to Television Production)	3	CO-102 Introduction to Radio Production or CO-145 Introduction to Television Production	3
Semester Credits	**15**	**Semester Credits**	**15**

Second Year

Fall	Credits	Spring	Credits
Gen*Ed Literature (LIT)	3	MA-105 Mathematical Modeling in the Social Sciences	3
Gen*Ed Natural Science (NS) BY,CE,GL,GO,PH,SC	3	Gen*Ed Historical Perspectives or Social Science Survey (HS.SV or SS.SV)	3
CO-204 Introduction to Media Writing	3	CO-222 User Experience and Interaction Design	3
CO-220 Public Speaking	3	CO-275 Performance for Broadcasting	3
CO-221 Introduction to Digital Media (Satisfies Gen*Ed Technological Literacy (TL))	3	CO-xx MCCS Focus Elective	3
Semester Credits	**15**	**Semester Credits**	**15**

Third Year

Fall	Credits	Spring	Credits
CO-402 Audience Studies (WT)	3	HU-201 Critical Discourse (Satisfies Gen*Ed Reasoned Oral Discourse (RD))	3
CO-226 Intercultural Communication (Satisfies Gen*Ed Cultural Diversity (CD))	3	CO-xx COMCS Focus Elective	3
Gen*Ed Natural Science (NS) BY,CE, GL,GO,PY,SC	3	CO-xx COMCS Focus Elective	3
CO-xx COMCS Focus Elective	3	CO-xx COMCS Focus Elective	3

200+ level elective in CO or other discipline	3	200+ level elective in CO or other discipline	3
Semester Credits	**15**	**Semester Credits**	**15**
Fourth Year			
Fall	**Credits**	**Spring**	**Credits**
PR-4xx Interdisciplinary Perspectives (ISP)	3	CO-xx COMCS Focus Elective	3
Elective	2	200+ level elective in CO or other discipline	3
CO-xx COMCS Focus Elective	3	200+ level elective in CO or other discipline	3
CO-xx COMCS Focus Elective	3	Elective	3
200+ level elective in CO or other discipline	3	Elective (Internship Recommended)	3
CO-262 Co-Curricular Practicum in Radio or CO-263 Co-Curricular Practicum in Television or CO-268 Co-Curricular Practicum in HawkInteractive	1		
Semester Credits	**15**	**Semester Credits**	**15**

Total Credits 120

B.A. in Spanish with a Concentration in Communication (Media Studies and Production Cluster) (FO.FSCOMSP.BA)

Code	Title	Credits
Major Requirements/Spanish (33 credits) [1]		
FS-301	Introduction to Hispanic Literature	3
FS-315	Introduction to Spanish Linguistics	3
FS-300A	Advanced Spanish Conversation and Oral Discourse [2]	3
FS-300B	Advanced Spanish: Composition and Conversation II	3
FS-305	Survey of Spanish-American Literature	3
or FS-307	Survey of Spanish Literature	
FS-309	Culture and Civilization Spain	3
FS-310	Culture and Civilization of Latin America	3
FS-409	Advanced Spanish: Grammar and Stylistics	3
FS-318	Spanish Pronunciation, Voice, and Diction	3
FS-411A	Writing for the Media in Spanish	3
FS-400+	Spanish Elective	3
FO-LTIOPI	Oral Proficiency Interview - UG	0
(Courses from Major Requirements satisfy World Language in General Education)		
Major Requirements/Communication (40 credits)		
CO-100	Communication Foundations	3
CO-155	Media Literacy	3
CO-220	Public Speaking	3
CO-221	Introduction to Digital Media	3
(Satisfies Technological Literacy (TL) in General Education)		
CO-224	Introduction to Mass Communication	3
CO-292	Communication Research Methods	3
CO-301	Topics in Communication Theory and Research	3
CO-311	Communication Ethics	3
Media Studies & Production Cluster		
CO-102	Radio Production	3
CO-145	Introduction to Video Production	3
CO-262	Co-Curricular Practicum in Radio	1
or CO-263	Co-Curricular Practicum in Television	
Select one production course from the following:		3
CO-242	Creating Good Radio	
CO-246	Studio-Based Video Production	
CO-338	Video Post-Production	
CO-345	Producing & Directing Video	
CO-352	Broadcast News Operation	
CO-374	Radio Programming and Promotion	
CO-378	Talk Radio	
CO-379	Advanced Radio Production	
Communication Special Topics course (CO398)		
Select 3 credits of performance or writing from the following:		3
CO-210	Voice and Diction	
CO-275	Performance for Broadcasting	
CO-357	Acting for Television	
CO-365	Screenwriting	
CO-346	Documentary Film and Video	
CO-350	Broadcast Newswriting and Reporting	
CO-351	Broadcast Copywriting	
Select 3 credits of theory or analysis from the following:		3
CO-290	Media Law	
CO-367	Media Analysis	
CO-375	Television Criticism	
CO-373	Music Promotion	
CO-376	Radio Station Management	
CO-383	Gender, Race, and Media	
Interdisciplinary Requirements (12 credits) [3]		
HU-201	Critical Discourse	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
MA-105	Mathematical Modeling in the Social Sciences	3
(Satisfies Mathematics in General Education)		
Select 6 credits from the following:		6
Select 6 credits from two of the following subjects: AR, CO, EN, HS, MU, PL [4]		
Free Electives (2 credits) [5]		
Select up to 2 free elective credits. [5]		2
General Education Requirements (33 credits) [6]		
Complete 33 credits as outlined n the General Educaton table. [6]		33
Total Credits		**120**

[1] 33 credits above the intermediate level. In courses numbered above 300 it is presumed that the student has taken 201-202 (Intermediate) or equivalent.

[2] A native speaker may substitute any FS-300+ course for FS-300A Advanced Spanish Conversation and Oral Discourse (3 cr.) after consultation wih the Chair of the Department.

[3] Can substitute a minimum of 9 credits of the same foreign language other than Spanish.

[4] Within Interdisciplinary Requirements, specific exclusions apply for English; contact the department for guidance.

[5] *Please consult with your advisor regarding the required number of free electives that must be completed.*

[6] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education (p. 44) *courses must be completed.*

Note:

- 54 credits must be completed at the 200-level or higher.

Sequence Chart

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
FS-318 Spanish Pronunciation, Voice, and Diction (Gen*Ed World Language)	3	FS-301 Introduction to Hispanic Literature	3
FS-300B Advanced Spanish: Composition and Conversation II	3	CO-102 Radio Production or 145	3
CO-100 Communication Foundations	3	CO-155 Media Literacy	3
Gen*Ed Historical Perspectives (HS.SV)	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
Semester Credits	**15**	**Semester Credits**	**15**

Second Year

Fall	Credits	Spring	Credits
HU-201 Critical Discourse (Gen*Ed Reasoned Oral Discourse (RD)	3	CO-220 Public Speaking	3
CO-224 Introduction to Mass Communication	3	CO-311 Communication Ethics	3
CO-145 Introduction to Video Production or 102	3	MA-105 Mathematical Modeling in the Social Sciences (Gen*Ed Mathematics)	3
FS-305 Survey of Spanish-American Literature or 307	3	Gen*Ed Aesthetics (AT) AR,DA,MU,TH	3
FS-300A Advanced Spanish Conversation and Oral Discourse	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
Semester Credits	**15**	**Semester Credits**	**15**

Third Year

Fall	Credits	Spring	Credits
FS-310 Culture and Civilization of Latin America	3	CO-262 Co-Curricular Practicum in Radio or 263	1
CO-292 Communication Research Methods	3	CO-301 Topics in Communication Theory and Research	3
CO-221 Introduction to Digital Media (Gen*Ed Technological Literacy (TL)	3	CO-xxx Required Communication Course, see curriculum chart (Production)	3
CO-xxx Required Communication Course, see curriculum chart (Performance/Writing)	3	FS-411A Writing for the Media in Spanish	3
Gen*Ed Historical Perspectives (HS.SV)	3	Gen*Ed Social Science Survey (SS.SV)	3
		Free Elective	2
Semester Credits	**15**	**Semester Credits**	**15**

Fourth Year

Fall	Credits	Spring	Credits
FS-309 Culture and Civilization Spain	3	PR-4xx Gen*Ed Interdisciplinary Perspectives (ISP)	3
FS-315 Introduction to Spanish Linguistics	3	Gen*Ed Cultural Diversity (CD) or Global Understanding (GU)	3
EN-2xx Gen*Ed Literature (LIT)	3	FS-409 Advanced Spanish: Grammar and Stylistics	3
CO-xxx Required Communication Course (Theory/Analysis)	3	FS-4xx Spanish 400+ Level Elective	3
Interdisciplinary Course from subjects: AR,CO,EN,HS,MU,PL	3	Interdisciplinary Course from subjects: AR,CO,EN,HS,MU,PL	3
		FO-LTIOPI Oral Proficiency Interview - UG	0
Semester Credits	**15**	**Semester Credits**	**15**

Total Credits 120

B.A. in Spanish with a Concentration in Communication (Journalism Cluster) (FO.FSCOJN.BA)

Code	Title	Credits
Major Requirements/Spanish (33 credits) [1]		
FS-301	Introduction to Hispanic Literature	3
FS-315	Introduction to Spanish Linguistics	3
FS-300A	Advanced Spanish Conversation and Oral Discourse [2]	3
FS-300B	Advanced Spanish: Composition and Conversation II	3
FS-305	Survey of Spanish-American Literature	3
or FS-307	Survey of Spanish Literature	
FS-309	Culture and Civilization Spain	3
FS-310	Culture and Civilization of Latin America	3
FS-409	Advanced Spanish: Grammar and Stylistics	3
FS-318	Spanish Pronunciation, Voice, and Diction	3
FS-411A	Writing for the Media in Spanish	3
FS-400+	Spanish Elective	3
FO-LTIOPI	Oral Proficiency Interview - UG	0
(Courses from Major Requirements satisfy World Language in General Education)		
Major Requirements/Communication (40 credits)		
CO-100	Communication Foundations	3
CO-155	Media Literacy	3
CO-220	Public Speaking	3
CO-221	Introduction to Digital Media	3
(Satisfies Technological Literacy (TL) in General Education)		
CO-224	Introduction to Mass Communication	3
CO-292	Communication Research Methods	3
CO-301	Topics in Communication Theory and Research	3
CO-311	Communication Ethics	3
Journalism Cluster		
CO-211	Introduction to Journalism	3
CO-215	Newswriting	3
CO-264	Co-Curricular Practicum in Journalism	1

Select 6 credits of writing from the following:		6
CO-317	Civic Journalism	
CO-333	Multimedia Journalism	
CO-340	Writing the Review	
CO-342	Editorial Writing	
CO-360	Feature Writing	
Select 3 credits from the following:		3
CO-290	Media Law	
CO-330	News Editing	
CO-383	Gender, Race, and Media	
CO-425	Political Communication	
Interdisciplinary Requirements (12 credits) [3]		
HU-201	Critical Discourse	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
MA-105	Mathematical Modeling in the Social Sciences	3
(Satisfies Mathematics in General Education)		
Select 6 credits from one of the following:		6
Select a Second World Language [4]		
Free Electives (2 credits) [5]		
Select up to 2 credits of free electives [5]		2
General Education Requirements (33 credits) [6]		
Complete 33 credits as outlined on the General Education table) [6]		33
Total Credits		**120**

[1] *In courses number above 300 it is presumed that the student has taken 201-202 (Intermediate) or equivalent to assure adequate communicative facility in the foreign language*

[2] *A native speaker may be exempt from taking* FS-300A Advanced Spanish Conversation and Oral Discourse (3 cr.) *upon consultation with the Chair of the Department. The student may substitute any FS-300+ course to fulfill the three credit requirement.*

[3] *Can substitute a minimum of 9 credits in the same foreign language other than Spanish*

[4] *Other than Spanish; in addition to the General Education requirements: (i.e. Italian, German, Irish, Latin, Chinese, Arabic, French)*

[5] *Please consult with your advisor regarding the required number of free electives that must be completed.*

[6] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(p. 44) courses must be completed.*

Note

- 54 credits must be completed at the 200 level or higher.

Sequence Chart

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
FS-318 Spanish Pronunciation, Voice, and Diction (Gen*Ed World Language)	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
FS-300B Advanced Spanish: Composition and Conversation II	3	FS-301 Introduction to Hispanic Literature	3
CO-100 Communication Foundations	3	CO-211 Introduction to Journalism	3
Gen*Ed Historical Perspectives (HS.SV)	3	CO-155 Media Literacy	3
Semester Credits	**15**	**Semester Credits**	**15**

Second Year

Fall	Credits	Spring	Credits
HU-201 Critical Discourse (Gen*Ed Reasoned Oral Discourse (RD)	3	Gen*Ed Aesthetics (AT) AR,DA,MU,TH	3
CO-224 Introduction to Mass Communication	3	CO-220 Public Speaking	3
CO-215 Newswriting	3	CO-311 Communication Ethics	3
FS-305 Survey of Spanish-American Literature or 307	3	MA-105 Mathematical Modeling in the Social Sciences (Gen*Ed Mathematics)	3
FS-300A Advanced Spanish Conversation and Oral Discourse	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
Semester Credits	**15**	**Semester Credits**	**15**

Third Year

Fall	Credits	Spring	Credits
FS-310 Culture and Civilization of Latin America (Gen*Ed Writing Intensive (WT)	3	CO-301 Topics in Communication Theory and Research (Gen*Ed Writing Intensive (WT)	3
CO-292 Communication Research Methods	3	CO-221 Introduction to Digital Media (Gen*Ed Technological Literacy (TL)	3
CO-xxx Required Communication Course see Curriculum Chart	3	FS-411A Writing for the Media in Spanish	3
Gen*Ed Historical Perspectives (HS.SV)	3	Gen*Ed Social Science Survey (SS.SV)	3
EN-2xx Gen*Ed Literature (LIT)	3	FS-4xx Spanish 400-Level Elective	3
Semester Credits	**15**	**Semester Credits**	**15**

Fourth Year

Fall	Credits	Spring	Credits
FS-315 Introduction to Spanish Linguistics	3	CO-xxx Required Communication Course, see curriclum chart	3
FS-309 Culture and Civilization Spain	3	FS-409 Advanced Spanish: Grammar and Stylistics	3
CO-264 Co-Curricular Practicum in Journalism	1	Second World Language (in addition to gen*ed requirement)	6
CO-xxx Required Communication Course, see curriclum chart	3	PR-4xx Gen*Ed Interdisciplinary Perspectives (ISP)	3
Gen*Ed Historical Perspectives (HS.SV) or Social Science Survey (SS.SV)	3	FO-LTIOPI Oral Interview	0
Free Elective	2		
Semester Credits	**15**	**Semester Credits**	**15**

Total Credits 120

Minor in Communication (MIN.CO)

Code	Title	Credits
CO-120	Interpersonal Communication	3
CO-155	Media Literacy	3
CO-220	Public Speaking (Please add this course to the minor.)	3
CO-226	Intercultural Communication	3
Take two 300+ level Communication elective courses.		6
Total Credits		**18**

Minor in Interactive Media (MIN.IM)

Code	Title	Credits
Requirements (12 credits)		
AR-178	Web Studio	3
or CO-221	Introduction to Digital Media	
AR-181	Digital Photography I	3
or CO-145	Introduction to Video Production	
CO-241	Introduction to Screen Studies	3
or AR-342	History of New and Expanded Media in Art	
CO/AR-404	Responsive Media	3
Electives (6 credits)		
Select 6 credits from courses designated with Course Type: IM		6
Total Credits		**18**

Notes

- Communication Majors can share up to 6 credits, **13 credits must be unique to the minor**.
- Art and Design Majors can share AR-181 Digital Photography I (3 cr.) plus substitute any two of the following required courses from their major for AR-178 Web Studio (3 cr.):

Code	Title	Credits
AR-284	Web Design/Interactive II for Non-BFA Candidates	3
AR-383	Web Design/Interactive I	3
AR-384	Web Design/Interactive II	3
AR-386	Principles of Animation	3
AR-390	Animation/Motion Graphics I	3

10 credits must be unique to the minor.

Minor in Journalism (MIN.JR)

Code	Title	Credits
Requirements (12 credits)		
CO-211	Introduction to Journalism	3
CO-215	Newswriting	3
CO-290	Media Law	3
CO-311	Communication Ethics	3
Electives (6 credits)		
Select two of the following:		6
CO-330	News Editing	
CO-333	Multimedia Journalism	
CO-340	Writing the Review	
CO-342	Editorial Writing	
CO-360	Feature Writing	
CO-317	Civic Journalism	
Total Credits		**18**

Note:

Communication students may share 3 credits with the major.

Minor in Leadership Communication (MIN.LC)

Code	Title	Credits
Requirements (18 credits)		
Select 3 credits from the following courses:		3
CO-220	Public Speaking	
CO-225	Business and Professional Communication	
HU-201	Critical Discourse	
CO-384	Seminar in Leadership Communication	3
Electives		
Select two courses from the following Skills courses:		6
CO-106	Listening	
CO-120	Interpersonal Communication	
CO-320	Small Group Communication	
CO-343	Performance and Social Activism	
CO-380	Organizational Communication	
Select two courses from the following Theory courses:		6
CO-323	Persuasion	
CO-295	Introduction to Public Relations	
CO-233	Rhetoric and Persuasion	
CO-311	Communication Ethics	
CO-425	Political Communication	
PY-207	Social Psychology	
BM-250	Principles of Management and Organizational Behavior	
Total Credits		**18**

Note

The minor can share up to 6 credits with the major, with 12 unique credits required.

Minor in Media Production (MIN.MP)

Code	Title	Credits
CO-102	Radio Production	3
CO-145	Introduction to Video Production	3
CO-221	Introduction to Digital Media	3
Select 2 additional courses designated with Course Type: CORTP		6
Total Credits		**15**

Note

- Communication majors can share 3 credits between the major and minor; 12 credits must be unique to the minor.

Minor in Public Relations (MIN.PR)

Code	Title	Credits
CO-295	Introduction to Public Relations	3
CO-313	Digital Media Writing	3
CO-413	Advanced Public Relations Writing Layout and Design	3
CO-414	Media Strategy	3

Select 6 credits from the following:		6
CO-293	Social Media	
CO-296	Digital Fundraising and Events	
CO-415	Public Relations Shark Tank	
CO-427	Crisis and Issues Management	
Total Credits		**18**

Note:

Communication majors (Non-Public Relations Concentration) may share 3 credits with the major.

Minor in Screen Studies (MIN.SS)

Code	Title	Credits
Requirements (6 credits)		
CO-241	Introduction to Screen Studies	3
CO-243	History of the Motion Picture	3
Electives (12 credits)		
Select 12 credits from among courses designated with Course Type: COSS		12
Total Credits		**18**

Minor in Sports Communication (MIN.SPT)

Code	Title	Credits
Requirements (18 credits)		
CO-205	Topics in History of Sports and Media	3
CO-206	Issues in Sports Media	3
Electives		
Select 12 credits from courses designated with Course Type: COSPT		12
Total Credits		**18**

Note:

Communication Majors can share up to 3 credits; 15 credits MUST be unique.

Criminal Justice

Chair: Nicholas Sewitch, Department of Criminal Justice

Bachelor of Arts in Criminal Justice

The Criminal Justice major is designed to provide a balanced and comprehensive overview of the nature and structure of the criminal justice system, with particular emphasis on preparation for careers in fields such as law, juvenile justice, corrections, criminal justice administration, and law enforcement. The program also provides a solid preparation for graduate study.

Student Honor Societies: Alpha Pi Sigma, Omega Theta Phi Chapter, Omicron Sigma Sigma

Bachelor of Science in Homeland Security

The Homeland Security major incorporates core homeland security competencies in the areas of counter terrorism and intelligence, emergency management, strategic planning, and collaborative partnerships. This program also prepares students for graduate study.

Programs

Majors

- B.A. in Criminal Justice (p. 116)
- B.A in Criminal Justice with Social Work (p. 117)
- B.S. in Homeland Security (p. 117)

Minors

- Criminal Justice (p. 118)
- Homeland Security (p. 119)

Faculty

Thomas Carey, Specialist Professor. B.S., M.A., Long Island University; Ph.D., Saint John Fisher College.
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John Comiskey, Associate Professor (Graduate Faculty). M.S., Naval Post Graduate School, Ed.D., St. John Fisher College. Areas of interest include homeland security, intelligence nexus to local crime, and the role of local police in national intelligence.
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Giuseppe Fazari, Assistant Professor. B.A., M.P.A., Ph.D., Seton Hall University.
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Megan Forney , Assistant Professor (Graduate Faculty). B.S. Psychology, Temple University; M.A., Stockton University; Ph.D., Temple University. Interests include evaluation research, juvenile delinquency, juvenile justice policy, developmental life-course theories, and the school-to-prison pipeline.
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Peter Liu, Professor (Graduate Faculty). B.A., M.A., Jilin University, China; Ph.D., Indiana University of Pennsylvania. Areas of interest include research methods, criminology, comparative criminal justice systems, and criminal justice organizations administration and management. Current research projects include comparative delinquency, Chinese justice system, and environmental crime.
pliu@monmouth.edu

Brian Lockwood, Professor and Graduate Program Director (Graduate Faculty). B.A., The College of New Jersey; M.A., Ph.D., Temple University. Research interests include the applications of Geographic Information Systems (GIS) in the study of offending, environmental criminology, and juvenile delinquency.
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Nicholas Sewitch, Specialist Professor and Chair. B.A., Franklin and Marshall College; J.D., Seton Hall University. Areas of interest include constitutional law, criminal law, criminal procedure, use of deadly force, and criminal justice career advising.
nsewitch@monmouth.edu

Courses

CJ-101 Introduction to Criminal Justice **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Basic constitutional limitations of criminal justice; the development of law enforcement from feudal times; law enforcement agencies; and the court system as it pertains to criminal justice and corrections.

CJ-198 Special Topics in Criminal Justice (100 Level) **Credits: 1-3**
Course Type(s): None
An intensive study of a particular subject or problem in criminal justice to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

CJ-201 Police Role in the Community **Credits: 3**
Prerequisite(s): CJ-101 or SO-101
Term Offered: All Terms
Course Type(s): None
Community perception of police, courts, and correction; concepts of community and public relations; community control; and problems of justice associated with racial and ethnic groups.

CJ-204 Administration and Organization in Criminal Justice **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Criminal justice application of organizational theory and principles: administrative process; organizational factors; management techniques; and budgetary practices.

CJ-205 Corrections **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Current correctional theories and practices; historical development of the correctional system.

CJ-210 Judicial Administration **Credits: 3**
Prerequisite(s): CJ-101
Term Offered: Spring Term
Course Type(s): None
Management of judicial processes; administrative relationships of courts with defendants, police, prosecutors, defense counsel, bail agencies, probation officers, and correctional agencies; and grand and petit jury procedures.

CJ-211 Statistics for Criminal Justice **Credits: 3**
Prerequisite(s): MA-105 or a higher level Math course
Term Offered: All Terms
Course Type(s): None
Introduction to the basic methodological and statistical techniques used in criminal justice; introduction to statistical terminology as variables, unit of analysis, statistical significance, measurement, correlation, causation, and hypothesis testing.

CJ-215 Environmental Security **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
The protection and security of personal, company, and public property; measures intended to safeguard against theft, damage, assault, and sabotage.

CJ-225 Law Enforcement **Credits: 3**
Prerequisite(s): CJ-101
Term Offered: All Terms
Course Type(s): None
The origin and development of law enforcement; police strategies, organizational factors, and problems.

CJ-230 Criminal Investigation **Credits: 3**
Prerequisite(s): CJ-101
Term Offered: Spring Term
Course Type(s): None
Introduction to the principles of criminal investigations, the rules and procedures of preliminary and follow-up investigations, the art of interrogation, recording of statements, confessions, and the collection and preservation of physical evidence at the crime scene.

CJ-240 Professional Writing in Criminal Justice **Credits: 3**
Prerequisite(s): CJ-101; and EN-101 and EN-102 or permission of the instructor
Term Offered: Spring Term
Course Type(s): WT
Designed to help students develop the writing skills necessary for a career in criminal justice. Completion and revision of various internal and external forms of communication that are commonly used by criminal justice professionals are entailed. Students are also helped to improve their outlining, proofreading, editing, and organizational skills to better communicate effectively in writing.

CJ-241 Criminology **Credits: 3**
Prerequisite(s): CJ-101 or SO-101 or SO-102; and EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): WT
Explanations of the causes of property and violent offenses. Discussion of white collar, professional and organized crime, and the problem of criminal statistics. Also listed as SO-241.

CJ-280 Introduction to Forensic Science **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Introduction to concepts of forensic science with emphasis on the recognition, identification, individualization, and evaluation of physical evidence by applying the natural sciences to law-science matters.

CJ-288 Cooperative Education: Criminal Justice **Credits: 3**
Term Offered: Spring Term
Course Type(s): EX2
Professional work experience in a criminal justice-related position. May be repeated for credit. Departmental approval, a minimum G.P.A. of 2.00, and completion of thirty credits is required to take this course.

CJ-298 Special Topics in Criminal Justice (200 Level) **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
An intensive study of a particular subject or problem in criminal justice to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

CJ-299 Independent Study in Criminal Justice **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
Guided readings on a topic not otherwise covered in the curriculum. Prior permission of the directing professor and department chair is required to take this course.

CJ-301 Crime Control in the USA, Japan, and China **Credits: 3**
Course Type(s): BI.EL, GU
A comparative approach is used to examine formal, social control mechanisms that include law, police, courts corrections, and informal, social control mechanisms that contain values, beliefs, family, workplace, school, neighborhood, and other social organizations in three societies: the USA, Japan, and China.

CJ-305 Criminal Law **Credits: 3**
Term Offered: All Terms
Course Type(s): None
The nature, purposes, principles, and doctrine of modern criminal law; landmark cases; and important issues.

CJ-313 The Pre-Trial Prosecution System **Credits: 3**
Prerequisite(s): PS-102 or PS-103
Term Offered: Spring Term
Course Type(s): PSAL, SJL
The pre-trial prosecution process as a political system. The roles, attitudes, and strategies of those authorities who allocate values within the system are examined. Also listed as PS-313. PS majors register for PS-313.

CJ-315 Research Methods **Credits: 3**
Prerequisite(s): CJ-211 or MA-151, CJ-241 and EN-101 and EN-102
Term Offered: All Terms
Course Type(s): WT
Introduces students to the principles of scientific research in criminal justice and homeland security. It begins with a description of the importance of research by criminal justice and homeland security organizations and moves toward the tenets of sound research practices, including: the formulation or a research question, developing a hypothesis, collecting data, measurement, analysis, and evaluation. Special attention is devoted to practical, ethical, and political issues that can arise when conducting research. Also listed as HLS-315.

CJ-317 Law of Evidence **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
The history and development of the rules of evidence, including relevancy and materiality, competency, burden of proof, direct and circumstantial, examination of witnesses, hearsay rule, unconstitutionally obtained, and presenting and collecting.

CJ-325 Criminal Procedure **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Examination of the criminal justice process and underlying public policy considerations.

CJ-330 Crisis Intervention **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Practical everyday handling techniques for intervention in such crises as suicide, emotional disturbance, and family conflicts; theory and research pertaining to intervention in life-stress situations. Attempts to raise the student's level of empathy and interpersonal sensitivity via role playing and self-reflection.

CJ-332 Advanced Police Administration **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Advanced supervisory and managerial practices, analysis of policy formulation, decision-making, budgeting, planning, and innovative administrative procedures.

CJ-335 Juvenile Justice **Credits: 3**
Prerequisite(s): CJ-101 or SO-101 or SO-102
Term Offered: All Terms
Course Type(s): None
Introduction to the area of juvenile justice; the juvenile court; a review of juvenile justice procedures; the interaction of police and juveniles; dispositional alternatives; and delinquency prevention programs.

CJ-340 The American Penal System **Credits: 3**
Prerequisite(s): CJ-205
Term Offered: All Terms
Course Type(s): None
History, philosophy, and organizational structure of the correctional system in the United States, including issues of race, gender, and morality.

CJ-341 Occupational Crime **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Economic and fiscal implications of white-collar and blue-collar crime; definitions, explanations, control strategies, enforcement techniques, and the role of the criminal justice system.

CJ-350 Ethical Issues in Criminal Justice **Credits: 3**
Prerequisite(s): CJ-101, and EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): None
Explore various ethical issues inherent in policing, courts, and correctional work. Address ethical standards in social-science research and political correctness.

CJ-351 Sentencing Practices **Credits: 3**
Prerequisite(s): CJ-101 and CJ-205
Term Offered: Spring Term
Course Type(s): None
History, philosophy, and rationale behind past and present sentencing schemes: the indeterminate and determinate sentences; the death penalty; and non-custodial sentences.

CJ-359 Crime Prevention and Control **Credits: 3**
Prerequisite(s): 6 credits in Sociology or 6 credits in Criminal Justice
Term Offered: Spring Term
Course Type(s): None
Problems in the definition of crime; crime prevention as a social movement; and review and evaluation of major models of crime prevention and control.

CJ-360 Comparative Criminal Justice Systems **Credits: 3**
Prerequisite(s): CJ-101
Term Offered: Spring Term
Course Type(s): None
Comparison of selected foreign justice systems with that of the United States.

CJ-362 Community-Based Corrections **Credits: 3**
Prerequisite(s): CJ-101 or SW-105, and CJ-205
Term Offered: Spring Term
Course Type(s): None
Methods for dealing with the offender in the community; probation, parole, residential treatment, restitution, and the evaluation of each.

CJ-365 Forensic Pathology **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Introduction to the concepts of forensic pathology with an emphasis on the recognition and interpretation of diseases and injuries in the human body that is the basis for medico legal investigations.

CJ-370 Institutional Treatment of the Offender **Credits: 3**
Prerequisite(s): CJ-205, and either CJ-101 or SW-105
Term Offered: Spring Term
Course Type(s): None
Strategies employed in providing treatment and support services to the inmate; physical, psychological, and social environmental factors.

CJ-375 Internship in Criminal Justice **Credits: 3**
Prerequisite(s): CJ-101 or HLS-101, EN-101, EN-102, and permission of the instructor
Term Offered: All Terms
Course Type(s): CJHLS, EX1, WT
Provides practical experiences in the administration of criminal justice and homeland security through assignments to criminal justice and homeland security agencies under the joint-supervision of agency officials and Monmouth University instructors. Course assignments include a resume and cover letter application for an internship; journaling of real-world professional experiences; and the evaluation of criminal justice/homeland security policies and practices.

CJ-380 Forensic Psychology **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Criminal personalities in relationship to specific crimes; exposure to techniques of interviewing and interrogating these criminals.

CJ-384 Crime Scene Investigation **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
Understanding the nature of crime scene investigation and the basic principles necessary for a successful investigative outcome.

CJ-386 Technology Crime **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Understanding the nature of technology crimes in terms of criminal investigation and collection of electronic evidence.

CJ-387 Arson and Bomb Investigation **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Introduction to concepts of arson/bomb investigation with emphasis on reconstruction origin and cause analysis.

CJ-388 Cooperative Education: Criminal Justice **Credits: 3**
Term Offered: Spring Term
Course Type(s): EX2
Professional work experience in a criminal justice-related position. May be repeated for credit. Departmental approval, a minimum G.P.A. of 2.00, and completion of thirty credits is required to take this course.

CJ-390 Forensic Science I **Credits: 4**
Course Type(s): None
Designed to explain the concepts of recognition, identification, individualization, and evaluation of physical evidence by application of basic scientific principles used in the practice of forensic science.

CJ-391 Forensic Science II **Credits: 4**
Prerequisite(s): CJ-390
Course Type(s): None
Designed to explain the concepts of recognition, identification, individualization, and evaluation of physical evidence, such as blood and semen, firearms, gunshot residue, fire debris, and explosions, in the context of real-world situations.

CJ-398 Special Topics in Criminal Justice (300 Level) **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
An intensive study of a particular subject or problem in criminal justice to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

CJ-399 Independent Study Criminal Justice **Credits: 1-3**
Term Offered: Spring Term
Course Type(s): None
Guided readings on a topic not otherwise covered in the curriculum. Prior permission of the directing professor and department chair is required to take this course.

CJ-401 Special Problems in Law Enforcement **Credits: 3**
Prerequisite(s): 9 credits in Criminal Justice
Term Offered: Spring Term
Course Type(s): None
Special problems that are not encountered in normal daily activities of police departments, including riots and emergency service functions, such as fire scenes, lost children, and crime prevention.

CJ-402 Field Research in Criminal Justice **Credits: 3**
Prerequisite(s): 18 credits in Criminal Justice and permission of the coordinator
Course Type(s): None
Study, research, and specific projects in criminal justice under the supervision of a Criminal Justice faculty member; a written report is required.

CJ-480 Criminal Justice Research Project **Credits: 3**
Prerequisite(s): CJ-315, Junior or Senior standing, and permission of the instructor and department chair
Course Type(s): None
Active participation in a research project chosen by and currently being pursued by the faculty sponsor. Student activities may include but are not limited to: literature search, data collection, data analysis, and preparation of a manuscript.

CJ-488 Cooperative Education: Criminal Justice **Credits: 3**
Term Offered: Spring Term
Course Type(s): EX2
Professional work experience in a criminal justice-related position. Departmental approval, a minimum G.P.A. of 2.00, and completion of thirty credits is required to take this course.

CJ-489 Internship in Criminal Justice II **Credits: 1-3**
Course Type(s): EX1
Directed individual study of Criminal Justice in areas of special interest. Junior standing or higher is required to take this course. Departmental approval is required to take this course.

CJ-490 Seminar in Criminal Justice **Credits: 4**
Prerequisite(s): CJ-315 and Senior standing in Criminal Justice
Term Offered: All Terms
Course Type(s): CJHLS
Selected topics in criminal justice; presentation and discussion of a research paper. Homeland Security majors should register for HLS-490.

CJ-498 Special Topics in Criminal Justice (400 Level) **Credits: 1-3**
Term Offered: Spring Term
Course Type(s): None
An intensive study of a particular subject or problem in criminal justice to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

CJ-499 Independent Study in Criminal Justice **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
Guided readings on a topic not otherwise covered in the curriculum. Senior standing, a minimum G.P.A. of 2.50 and prior permission of the directing professor and department chair is required to take this course.

HLS-101 Introduction to Homeland Security **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Introduction to the fundamental components of homeland security. The course examines historic events that shaped homeland security policy and practice, as well as providing students with an understanding of the interdisciplinary, interagency, interjurisdictional, and all-hazards nature of homeland security. Homeland security hazards include adversarial/ human caused threats (terrorism, crime), natural threats (hurricanes, tornadoes, earthquakes, storms), and technological/accidental threats (industrial/transportation). Homeland security policies and practices endeavor to prevent, mitigate, respond to, and help the Nation recover from all hazards.

HLS-199 Independent Study in Homeland Security **Credits: 3**
Term Offered: Summer Term
Course Type(s): None
Independent study on a Homeland Security topic not substantially treated in a regular course. Prior permission of the directing professor and department chair is required to register for this course.

HLS-235 GIS Applications in Homeland Security **Credits: 3**
Prerequisite(s): GIS-224
Term Offered: All Terms
Course Type(s): None
Introduces students to the basic theories in Geographic Information Systems (GIS). Provides students with a hands-on practical approach to analyze homeland security related data. Students will develop a skill set to map homeland security data and perform spatial analytical tasks. Also listed as GIS-235.

HLS-245 Strategic Security Management **Credits: 3**
Prerequisite(s): HLS-101
Term Offered: All Terms
Course Type(s): None
Analysis of the post-September 11, 2001 strategic security environment. The course focuses on threat and vulnerability assessments, and the use of data to drive security strategy. Students will assess and evaluate current and evolving business practices to protect private sector and government architecture and critical infrastructure assets. The course explores current and evolving security technology, techniques, procedures, and risk-based resource allocation of personnel and security-technologies.

HLS-285 Domestic and International Terrorism **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Provides students with an in-depth examination of terrorism and its implications for society. Examines terrorist ideologies, motivations, goals, strategies, and tactics. Focuses on issues related to the operational and organizational dynamics of terrorist organizations, state and political terrorism, religious-motivated terrorism, domestic terrorism, the relationship between the media and terrorism, terrorist tactics and targeting, and counter-terrorism methodologies.

HLS-286 Principles of Emergency Management **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Introduces students to the background components and systems involved in the management of disasters and other emergencies. Focusing on the United States, the course will illustrate current practices, strategies and key players involved in emergency management.

HLS-287 Theoretical Approaches to Homeland Security **Credits: 3**
Prerequisite(s): HLS-101, HLS-285, HLS-286, EN-101, and EN-102
Term Offered: All Terms
Course Type(s): WT
Examines the various theories that describe, explain, predict, and judge the causes of terrorism and crime, as well as the behaviors associated with natural, technological/ accidental, and adversarial/human caused disasters. Topical issues include terrorism, transnational crime, extreme weather, and emergent threats including climate, economic, energy, environmental, food, human, technology, and water security.

HLS-298 Special Topics in Homeland Security **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
An intensive study of a particular subject or problem in Homeland Security to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

HLS-299 Introduction to Homeland Security **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Independent study on a Homeland Security topic not substantially treated in a regular course. Prior permission of the directing professor and department chair is required to register for this course.

HLS-301 Homeland Security Intelligence **Credits: 3**
Prerequisite(s): EN-101, EN-102, and HLS-101
Term Offered: All Terms
Course Type(s): WT
Examines the role of intelligence in homeland security policy and practice. The course focuses on the duties and responsibilities of intelligence collectors, analysts, and policy makers in the intelligence cycle. Topical issues include intelligence policy, law and ethics; threat and vulnerability assessments; and interagency information-sharing processes.

HLS-302 Advanced Homeland Security Intelligence **Credits: 3**
Prerequisite(s): HLS-301
Term Offered: Summer Term
Course Type(s): None
Examines the role of strategic intelligence in homeland security policy and practice. The course focuses on intelligence methodologies that bring a broad range of information to bear on difficult strategic questions, select that information which is most significant, and then tailor the information for decision makers. The course will examine recent terrorist attacks and other events with strategic implications as well as projected future threats.

HLS-303 Open Source Intelligence **Credits: 3**
Prerequisite(s): HLS-301
Term Offered: Spring Term
Course Type(s): None
Open source intelligence is publically available information including academic and trade publications, court documents, news sources, business websites, and social networks, forums, and blogs that are collected, evaluated, and disseminated in a timely manner for the purposes of addressing specific intelligence requirements. The course examines the rapidly evolving open-source information landscape and the implications for U.S. homeland security. Students will apply the tenets of open-source intelligence to current homeland security issues.

HLS-310 Transport Security **Credits: 3**
Prerequisite(s): HLS-101
Term Offered: All Terms
Course Type(s): None
Examines transportation security issues in the homeland security era. The course examines topics associated with the security of aircraft, airports, bridges, roadways, seaports, vehicles, trains, train stations, vessels, tunnels, waterways, and utilities (cable lines, telephone lines, pipelines, and powerlines), as well as border security, hazardous material risks, intermodal transportation, and supply chain resilience. The course also examines technological solutions employed to enhance transportation security.

HLS-315 Homeland Security Research Methods **Credits: 3**
Prerequisite(s): CJ-211 or MA-151, EN-101 and EN-102
Term Offered: All Terms
Course Type(s): WT
Introduces students to the principles of scientific research in criminal justice. It begins with a description of the importance of research by criminal justice and homeland security organizations and moves toward the tenets of sound research practices, including: the formulation or a research question, developing a hypothesis, collecting data, measurement, analysis, and evaluation. Special attention is devoted to practical, ethical, and political issues that can arise when conducting research. Also listed as CJ-315.

HLS-320 Critical Infrastructure Security **Credits: 3**
Prerequisite(s): HLS-101
Term Offered: All Terms
Course Type(s): None
Introduces students to the identification and protection of the Nation's sixteen critical infrastructure sectors, and their roles in homeland security. The course examines the roles of government and the private sector in identifying, mitigating, and protecting critical infrastructure from all-hazards. The course focuses on risk-based implementation of protective measures and practices.

HLS-335 Advanced Geographic Information Systems and Homeland Security **Credits: 3**
Prerequisite(s): HLS-235 or GIS-235
Term Offered: Spring Term
Course Type(s): None
Students will build upon the skills and information learned in HLS-235 Geographical Information Systems and Homeland Security to demonstrate advanced techniques in the analysis of spatial data to help the homeland security enterprise prevent, mitigate, respond to, and recover from intentional, natural, and accidental threats. Also listed as GIS-335.

HLS-375 Homeland Security Internship **Credits: 3**
Prerequisite(s): CJ-101 or HLS-101, EN-101, EN-102 and permission of the instructor
Term Offered: All Terms
Course Type(s): CJHLS, EX1, WT
Provides practical experiences in the administration of criminal justice and homeland security through assignments to criminal justice and homeland security agencies under the joint-supervision of agency officials and Monmouth University instructors. Course assignments include a resume and cover letter application for an internship; journaling of real-world professional experiences; and the evaluation of criminal justice/homeland security policies and practices.

HLS-385 Cyber Security **Credits: 3**
Prerequisite(s): HLS-101
Term Offered: All Terms
Course Type(s): None
The internet and cyber technologies have created unparalleled opportunities for commerce, education, entertainment, and public discourse. Accompanying these opportunities are unprecedented criminal and terrorist threats. This course examines security issues related to securing the cyber space including information infrastructure maintenance, information assurance, continuity planning, cybercrime, cyber terrorism, privacy, and emerging technologies.

HLS-386 Emergency Management Planning **Credits: 3**
Prerequisite(s): HLS-286
Term Offered: Spring Term
Course Type(s): CJHLS
This course provides students with a comprehensive overview of emergency management planning. The course examines the multifaceted inter-agency participatory processes inherent to emergency management planning and provides students with the opportunity to develop emergency operations plans with fellow students. Topical issues include the four phases of emergency management, continuity of operations planning (COOP), hazard vulnerability assessment, and business continuity.

HLS-387 Emergency Management Table-Top Exercises **Credits: 3**
Prerequisite(s): HLS-286
Term Offered: Fall Term
Course Type(s): CJHLS
This course provides a comprehensive overview of emergency management scenario and exercises planning. The course focuses on the National Preparedness System and stakeholder preparedness. Topical issues include table-top exercises, field-exercises, computer generated simulations, assessment, preparedness, core capabilities, and media relations.

HLS-398 Special Topics in Homeland Security **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
An intensive study of a particular subject or problem in homeland security to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

HLS-399 Independent Study in Homeland Security **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Independent study on a Homeland Security topic not substantially treated in a regular course. Prior permission of the directing professor and department chair is required to take this course.

HLS-489 Internship in Homeland Security **Credits: 3**
Term Offered: Spring Term
Course Type(s): EX1
Supervised practical experience in homeland security. Repeatable for credit. Junior standing, departmental approval, and placement are required to register for this course.

HLS-490 Senior Research Project in Homeland Security **Credits: 4**
Prerequisite(s): CJ-315 or HLS-315 and Senior standing
Term Offered: All Terms
Course Type(s): CJHLS
Provide the student with an opportunity to complete a senior thesis in the area of homeland security. By exploring and analyzing the practical as well as theoretical problems, the student will be able to recommend changes with homeland security based upon empirical study. Criminal Justice majors should register for CJ-490.

HLS-498 Special Topics in Homeland Security **Credits: 1-3**
Prerequisite(s): HLS-385 or CS-104
Term Offered: All Terms
Course Type(s): None
An intensive study of a particular subject or problem in homeland security to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis.

HLS-499 Independent Study in Homeland Security **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Independent study on a Homeland Security topic not substantially treated in a regular course. Prior permission of the directing professor and department chair is required to register for this course.

B.A. in Criminal Justice (CJ.BA)

Code	Title	Credits
Major Requirements/Criminal Justice (46 credits)		
CJ-101	Introduction to Criminal Justice	3
CJ-211	Statistics for Criminal Justice	3
CJ-241	Criminology	3
CJ-305	Criminal Law	3
CJ-315	Research Methods	3
or HLS-315	Homeland Security Research Methods	
CJ-325	Criminal Procedure	3
CJ-375	Internship in Criminal Justice	3
or HLS-375	Homeland Security Internship	
CJ-205	Corrections	3
CJ-225	Law Enforcement	3
CJ-350	Ethical Issues in Criminal Justice	3
CJ-490	Seminar in Criminal Justice	4
Select 12 credits in Criminal Justice (CJ)		12
Interdisciplinary Requirements (3 credits)		
MA-105	Mathematical Modeling in the Social Sciences (MA-105 or higher level Math)	3
(Satisfies Mathematics in General Education)		
Free Electives (29 credits) [1]		
Select 29 or more credits of free electives [1]		29
General Education Requirements (42 credits) [2]		
Complete 42 credits as outlined on the General Education table. [2]		42
Total Credits		**120**

[1] *Please consult with your advisor regarding the required number of free electives that must be completed.*
[2] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(p. 44) courses must be completed.*

Notes

- 54 credits must be completed at the 200 level or higher.

Sequence Chart

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
CJ-101 Introduction to Criminal Justice	3	CJ-205 Corrections (or CJ-225 Law Enforcement)	3
Gen*Ed Historical Perspectives (HS.SV)	3	MA-105 Mathematical Modeling in the Social Sciences (Gen*Ed Mathematics)	3
Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3	Gen*Ed Social Science Survey (SS.SV)	3
FO-xxx Gen*Ed World Language	3	Free Elective	3
Semester Credits	**15**	**Semester Credits**	**15**

Second Year

Fall	Credits	Spring	Credits
CJ-225 Law Enforcement (or CJ-205 Corrections)	3	CJ-211 Statistics for Criminal Justice	3
CJ-241 Criminology	3	Gen*Ed Reasoned Oral Discourse (RD)	3
EN-2xx Gen*Ed Literature (LIT)	3	Gen*Ed Aesthetics (AT) AR,DA,MU,TH	3
Gen*Ed Social Science Survey (SS.SV)	3	Free Electives	6
Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3		
Semester Credits	**15**	**Semester Credits**	**15**

Third Year

Fall	Credits	Spring	Credits
CJ-305 Criminal Law	3	CJ-325 Criminal Procedure	3
CJ-350 Ethical Issues in Criminal Justice	3	CJ-315 Research Methods or HLS 315	3
CJ-xxx Criminal Justice Elective	3	CJ-xxx Criminal Justice Elective	3
Gen*Ed Technological Literacy (TL)	3	Free Electives	6

Gen*Ed Cultural Diversity (CD) or Global Understanding (GU)	3		
Semester Credits	**15**	**Semester Credits**	**15**
Fourth Year			
Fall	**Credits**	**Spring**	**Credits**
CJ-375 Internship in Criminal Justice or HLS 375 (Gen*Ed Writing Intensive (WT) and Experiential Education (ExEd)	3	CJ-490 Seminar in Criminal Justice	4
CJ-xxx Criminal Justice Elective	3	PR-4xx Gen*Ed Interdisciplinary Perspectives (ISP)	3
Free electives	9	CJ-xxx Criminal Justice Elective	3
		Free Electives	5
Semester Credits	**15**	**Semester Credits**	**15**

Total Credits 120

B.A. in Criminal Justice with Social Work (CJSW.BA)

Code	Title	Credits
Major Requirements/Social Work (63-64 credits)		
CJ-101	Introduction to Criminal Justice	3
CJ-205	Corrections	3
CJ-225	Law Enforcement	3
CJ-241	Criminology	3
CJ-305	Criminal Law	3
CJ-325	Criminal Procedure	3
CJ-350	Ethical Issues in Criminal Justice	3
SW-105	Introduction to Social Work	3
SW-223	Human Behavior and Social Environment [1]	3
SW-326	Social Welfare Policy and Services	3
SW-409	Social Work Research Methods [2]	3
SW-344	Social Work Practice with Communities	3
SW-412	Practice Evaluation in Social Work	3
SW-341	Social Work Practice with Groups	3
SW-421	Field Practice in Social Work	6
SW-422	Advanced Field Practice in Social Work	6
Select one of the following:		3-4
CJ-375	Internship in Criminal Justice	
SW-342 & 342L	Social Work Practice with Individuals and Families and Social Work Practice with Individuals and Families Lab	
CJ-315	Research Methods [2]	3
or SW-409	Social Work Research Methods	
CJ-490	Seminar in Criminal Justice	3
or SW-426	Seminar in Social Work	
Interdisciplinary Requirements (33-36 credits)		
PY-103	Introduction to Psychology	3
(Satisfies Social Science (SS.SV) in General Education)		
PS-102	International Relations	3
or PS-103	American National Government	
BE-200	Economics for Social Science	3
or SO-272	Economic Inequality	
Select one of the following:		3-6
MA-151	Statistics with Applications	
MA-105 & SW-411	Mathematical Modeling in the Social Sciences and Data Analysis for Social Work	
(MA-105 or MA-151 satisfy Mathematics in General Education)		
Select 3 credits in Psychology (PY) at the 200-level or higher		3
Select 3 credits in Criminal Justice (CJ) at the 200-level or higher		3
SO-101	Introduction to Sociology	3
(Satisfies Social Science (SS.SV) in General Education)		
AN-103	Cultural Anthropology	3
SW-205	Global Human Rights and Social Justice (Satisfies Global Understanding (GU) in General Education))	3
(Satisfies Global Understanding (GU) in General Education)		
BY-105	Introductory Biology and Human Development	3
(Partially satisfies Natural Science (NS) in General Education)		
Select 3 additional credits from Anthropology (AN), Sociology (SO), or Social Work (SW) at the 200-level or higher		3
General Education Requirements (30 credits) [3]		
Complete 30 credits as outlined on the General Education table. [3]		30
Total Credits		**126-130**

1 *With instructor's permission SW-105 Introduction to Social Work (3 cr.) and SW-223 Human Behavior and Social Environment (3 cr.) may be taken concurrently*

2 *Can be fulfilled with CJ-315 or SW-409.*

3 *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(p. 44) courses must be completed.*

Notes

- 54 credits must be completed at the 200 level or higher.

B.S. in Homeland Security (HLS.BS)

Code	Title	Credits
Major Requirements/Homeland Security (46 credits)		
HLS-101	Introduction to Homeland Security	3
HLS-235	GIS Applications in Homeland Security	3
HLS-285	Domestic and International Terrorism	3
HLS-286	Principles of Emergency Management	3
HLS-287	Theoretical Approaches to Homeland Security	3
HLS-301	Homeland Security Intelligence	3
HLS-315	Homeland Security Research Methods	3
HLS-375	Homeland Security Internship	3
or CJ-375	Internship in Criminal Justice	
HLS-385	Cyber Security	3

HLS-490	Senior Research Project in Homeland Security	4
Select 15 credits from the following courses:		15
HLS-245	Strategic Security Management	
200-level HLS Special Topics course		
HLS-302	Advanced Homeland Security Intelligence	
HLS-303	Open Source Intelligence	
HLS-310	Transport Security	
HLS-320	Critical Infrastructure Security	
HLS-335	Advanced Geographic Information Systems and Homeland Security	
HLS-386	Emergency Management Planning	
HLS-387	Emergency Management Table-Top Exercises	
300-level Special Topics course		
Interdisciplinary Requirements (9 credits)		
CJ-211	Statistics for Criminal Justice	3
MA-105	Mathematical Modeling in the Social Sciences	3
(Satisfies Mathematics in General Education)		
GIS-224	Introduction to Geographic Information Systems (GIS)	3
(Satisfies Technological Literacy (TL) in General Education)		
Free Electives (26 credits) [1]		
Select 26 or more credits of free electives [1]		26
General Education Requirements (39 credits) [2]		
Complete 39 credits as outlined on the General Education table. [2]		39
Total Credits		**120**

[1] *Please consult with your advisor regarding the required number of free electives that must be completed.*

[2] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education (p. 44) *courses must be completed.*

Notes

- 54 credits must be completed at the 200 level or higher.

Sequence Chart

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
HLS-101 Introduction to Homeland Security	3	HLS-235 GIS Applications in Homeland Security	3
Gen*Ed Social Science Survey (SS.SV)	3	MA-105 Mathematical Modeling in the Social Sciences (Gen*Ed Mathematics)	3
Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3	Gen*Ed Historical Perspective (HS.SV) or Social Science Survey (SS.SV)	3
FO-xxx Gen*Ed World Language	3	Free Elective	3
Semester Credits	**15**	**Semester Credits**	**15**

Second Year

Fall	Credits	Spring	Credits
HLS-xxx Homeland Security Course (See curriculum chart)	3	HLS-285 Domestic and International Terrorism	3
GIS-224 Introduction to Geographic Information Systems (GIS) (Gen*Ed Technological Literacy (TL)	3	HLS-xxx Homeland Security Course (See curriculum chart)	3
CJ-211 Statistics for Criminal Justice	3	Gen*Ed Reasoned Oral Discourse (RD)	3
EN-2xx Gen*Ed Literature (LIT)	3	Gen*Ed Aesthetics (AT) AR,DA,MU,TH	3
Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3	Free Elective	3
Semester Credits	**15**	**Semester Credits**	**15**

Third Year

Fall	Credits	Spring	Credits
HLS-286 Principles of Emergency Management	3	HLS-385 Cyber Security	3
HLS-287 Theoretical Approaches to Homeland Security	3	HLS-315 Homeland Security Research Methods (Gen*Ed Writing Intensive (WT)	3
Gen*Ed Cultural Diversity (CD) or Global Understanding (GU)	3	HLS-xxx Homeland Security Course (see curriculum chart)	3
Free Electives	6	Free Electives	6
Semester Credits	**15**	**Semester Credits**	**15**

Fourth Year

Fall	Credits	Spring	Credits
HLS-375 Homeland Security Internship or CJ 375 (Gen*Ed Experiential Education (ExEd) and Writing Intensive (WT)	3	HLS-490 Senior Research Project in Homeland Security	4
HLS-xxx Homeland Security Course (see curriculum chart)	3	HLS-301 Homeland Security Intelligence	3
PR-4xx Gen*Ed Interdisciplinary Perspectives (ISP)	3	HLS-xxx Homeland Security Course (see curriculum chart)	3
Free Electives	6	Gen*Ed Historical Perspectives (HS.SV)	3
		Free Electives	2
Semester Credits	**15**	**Semester Credits**	**15**

Total Credits 120

Minor in Criminal Justice (MIN.CJ)

Code	Title	Credits
CJ-101	Introduction to Criminal Justice	3
CJ-241	Criminology	3
CJ-380	Forensic Psychology	3
Select 6 credits from the following:		6
CJ-201	Police Role in the Community	
CJ-204	Administration and Organization in Criminal Justice	
CJ-205	Corrections	
CJ-225	Law Enforcement	
CJ-240	Professional Writing in Criminal Justice	
CJ-305	Criminal Law	
CJ-317	Law of Evidence	
CJ-330	Crisis Intervention	
CJ-362	Community-Based Corrections	
Total Credits		**15**

Minor in Homeland Security (MIN.HLS)

Code	Title	Credits
Requirements (6 credits)		
HLS-101	Introduction to Homeland Security	3
HLS-285	Domestic and International Terrorism	3
Electives (9 credits)		
Select three of the following:		9
HLS-235	GIS Applications in Homeland Security	
HLS-286	Principles of Emergency Management	
HLS-301	Homeland Security Intelligence	
HLS-302	Advanced Homeland Security Intelligence	
HLS-310	Transport Security	
HLS-320	Critical Infrastructure Security	
HLS-385	Cyber Security	
Total Credits		**15**

English

Chair: John P Hanly, Department of English
Undergraduate Program Coordinator: Jeffrey Jackson
Graduate Program Director: Mihaela Moscaliuc

The major in English is designed to serve various needs within the framework of traditional literary study, creative writing, and rhetoric. Sensitivity to texts and the attendant skills in writing and analysis are useful for a wide range of careers in today's changing workplace, including careers in law, teaching, editing, journalism, freelance writing, government service, marketing, management, and business. Combining the major with another minor is encouraged.

Departmental Honors will be earned based on the following criteria being met:

- An overall GPA of at least 3.3
- A major GPA of at least 3.5
- Fulfillment of the intermediate-level language requirement for English majors
- Two courses beyond those required for the English major as follows:
  1. complete one course from list of EN 300-400 courses chosen with thesis advisor
  2. complete a second course as an independent study/senior thesis with a grade of "B" or better

Student Honor Society: Sigma Tau Delta, Delta Chapter

Programs

Majors

- B.A. in English (p. 127)
- B.A. in English with Concentration in Creative Writing (p. 132)
- B.A. in English and Education with Endorsements in Elementary and Teacher of Students with Disabilities (p. 128)
- B.A. in English with Concentration in Creative Writing and Education with Endorsements in Elementary and Teacher of Students with Disabilities (p. 133)
- B.A. in English and Education with Endorsement in Secondary Education (p. 129)
- B.A. in English with Concentration in Creative Writing and Education with Endorsement in Secondary Education in English (p. 135)
- B.A. in English and Education with Endorsements in P-3 and Teacher of Students with Disabilities (p. 131)
- B.A. in English with a Concentration in Creative Writing and Education with Endorsements in P-3 and Teacher of Students with Disabilities (p. 136)

Minors

- Creative Writing (p. 138)
- English (p. 138)
- Irish Studies (p. 138)
- Professional Writing (p. 138)

Faculty

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Interim Associate Dean, School of Humanities and Social Sciences. B.A., Wesleyan University; M.A., Ph.D., Rutgers University. Specialty is twentieth-century British literature. Additional interests include literary criticism and theory, the novel, children's literature, World War II and the end of empire, and book history.
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Courses

EN-100 Writing Workshop **Credits: 3**
Term Offered: Summer Term
Course Type(s): None
Development of skills useful for essay writing; opportunity to write in other forms; and projects to fit individual student needs. Offered in summer only; restricted to EOF students.

EN-101 College Composition I **Credits: 3**
Term Offered: All Terms
Course Type(s): None
A college-level writing course designed to prepare students to make the transition from high school to college by familiarizing them with the standards for academic writing they will encounter throughout their educational and professional careers. Students will gain intense experience in writing academic prose that demonstrates knowledge, understanding, analysis, and application of ideas from a variety of progressively sophisticated and interrelated texts.

EN-102 College Composition II **Credits: 3**
Prerequisite(s): EN-101
Term Offered: All Terms
Course Type(s): None
Reinforces and expands the reading and writing activities taught in English 101 (academic writing demonstrating knowledge, understanding, analysis, and application of ideas). In addition to sustaining what has already been learned in other writing courses, EN 102 focuses on the academic "research" essay as a fundamental written form needed across the disciplines.

EN-201 Literature I: Ancient Through Renaissance **Credits: 3**
Prerequisite(s): EN-101 and EN-102
Term Offered: All Terms
Course Type(s): LIT
Works from the Ancient, Medieval, and Renaissance periods.

EN-202 Literature II: Neoclassical to the Present **Credits: 3**
Prerequisite(s): EN-101 and EN-102
Term Offered: All Terms
Course Type(s): LIT
Works from the Renaissance to the present.

EN-209 Literature and the Environment **Credits: 3**
Course Type(s): LIT
Ecocriticism, also called environmental criticism, examines the ways in which literary texts represent the natural world and human relationships with it. This course examines literary works from the pre-modern period through the twenty-first century, from anglophone and other traditions, to investigate how they represent natural and constructed environments, humans and non-human animals, how humans have interacted with the environment, and how constructed human categories such as race, gender, religion, and disability interact with various environments.

EN-211 Environment and Pre-Modern Literature **Credits: 3**
Prerequisite(s): EN-101 and EN-102
Term Offered: All Terms
Course Type(s): LIT
Environmental criticism, sometimes called "ecocriticism", examines the ways in which literary texts represent the natural world and human relationships with it. Looks at several works from the Ancient and Medieval periods, considering how people from different times and places before the modern era think about "nature" and natural resources.

EN-212 Literature of Oppression **Credits: 3**
Prerequisite(s): EN-101 and EN-102
Term Offered: All Terms
Course Type(s): ADS, LIT
Selected works of the eighteenth, nineteenth, and twentieth centuries are covered, with attention to representations of oppression as displayed in slavery, colonialism, imperialism, and post-colonial responses.

EN-213 Tragedy and the Tragic **Credits: 3**
Prerequisite(s): EN-101 and EN-102
Term Offered: All Terms
Course Type(s): LIT
Explores the nature of literary tragedy by having students consider the conventions of both classical and Shakespearean tragedy and decide whether literary narratives that are merely sad - particularly those in contemporary times and from genres other than drama - may similarly be termed "tragedy".

EN-214 The Irish: Home and Abroad **Credits: 3**
Prerequisite(s): EN-101 and EN-102
Term Offered: All Terms
Course Type(s): LIT
A comparison of the Irish epic The Tain to The Odyssey and exploration of the literature and culture of Ireland and the Irish diaspora, which may include writers of Irish descent from Canada, the U.S., Australia, South America, and other parts of the world.

EN-215 Vampire Literature: Bite Me **Credits: 3**
Prerequisite(s): EN-101 and EN-102
Term Offered: All Terms
Course Type(s): LIT
Literature about vampires starting with nineteenth-century European texts and moving into the twentieth and twenty-first centuries in the Americas. These texts involve themes of vampirism representative to cultural, ethical, and political issues for their times.

EN-216 Illness in Literature **Credits: 3**
Prerequisite(s): EN-101 and EN-102
Term Offered: All Terms
Course Type(s): HE.EL, HEPE, LIT
An examination of illness in literature.

EN-217 Rebirth in Comedy **Credits: 3**
Prerequisite(s): EN-101 and EN-102
Term Offered: Spring Term
Course Type(s): LIT
Selected texts of the tradition of comedy, from Ancient Greece to the present, including plays, novels, and movies.

EN-218 Here Be Dragons: Heroic Journeys **Credits: 3**
Prerequisite(s): EN-101 and EN-102
Term Offered: All Terms
Course Type(s): LIT
Explores representative heroic journeys in literature. These heroes follow an archetypal path outlined by mythologist Joseph Campbell. The diverse heroes arrive to understand and engage ethical, moral, political, gender, social, economic, and ethnic challenges. They must learn to develop beyond their limitations and flaws in order to face the dragon, danger and evil, and to lead and save a people, place, and/or idea.

EN-219 Science Fiction **Credits: 3**
Prerequisite(s): EN-101 and EN-102 or equivalent
Term Offered: Spring Term
Course Type(s): LIT
This LIT course on the literature of Science Fiction is designed to introduce students to the genre of Science Fiction (SF) from works that were written between the mid-nineteenth century and the late twentieth. As a uniquely modern form of literature, it is important to contextualize the genre historically, politically, and culturally, as it reflects attitudes about science, progress, and the human condition that dominated at the time the works were written and, often, provide clues to cultural orientations that persist to this day. We will examine both SF short stories and novels to more clearly understand how this genre of literature has become one of the most popular forms of social commentary on the past, present, and future of humanity.

EN-220 Literature of the Sea **Credits: 3**
Prerequisite(s): EN-101 and EN-102
Term Offered: All Terms
Course Type(s): LIT
Literature of the sea since the Enlightenment with major texts representing diverse nations and global contexts.

EN-221 Literature and the Environment **Credits: 3**
Prerequisite(s): EN-101 and EN-102
Term Offered: All Terms
Course Type(s): LIT, OL
Ecocriticism, also called environmental criticism, examines the ways in which literary texts represent the natural world and human relationships with it. This course examines literary works from the pre-modern period through the twenty-first century, from anglophone and other traditions, to investigate how they represent natural and constructed environments, humans and non-human animals, how humans have interacted with the environment, and how constructed human categories such as race, gender, religion, and disability interact with various environments.

EN-222 Superheroes: Echoes of Epic **Credits: 3**
Prerequisite(s): EN-101 and EN-102
Term Offered: All Terms
Course Type(s): LIT
Close reading and analysis of narratives based on epic myths from Ancient through Contemporary periods in order to develop students' critical judgement of the texts and their knowledge of relevant historical, aesthetic, cultural, and ethical backgrounds, Development of writing and research abilities, building on skills learned in EN-101 and EN-102 (prerequisites) This course fulfills the General Education LIT requirement.

EN-223 The Campus Novel **Credits: 3**
Prerequisite(s): EN-101 and EN-102
Term Offered: All Terms
Course Type(s): LIT
Explores literature depicting the college experience, campus life, and scholarly pursuits. Novels, short stories, and plays from the early 20th century to the present will be considered, as well as essays on campus related issues and controversies.

EN-224 Ghost Stories and Other Haunting Tales **Credits: 3**
Prerequisite(s): EN-101 and EN-102
Term Offered: All Terms
Course Type(s): LIT
Close reading and analysis of ghost stories from ancient through contemporary periods in order to develop students' critical judgement of the texts and their knowledge of relevant historical, aesthetic, cultural, and ethical backgrounds. Development of writing and research abilities, building on skills learned in EN-101 and EN-102.

EN-225 Legal Fictions: Literature and the Law **Credits: 3**
Prerequisite(s): EN-101 and EN-102
Term Offered: All Terms
Course Type(s): LIT
Close reading and analysis of literary narratives about the law and justice from Ancient through Contemporary periods in order to develop students' critical judgment of the texts and their knowledge of relevant historical, aesthetic, cultural, and ethical backgrounds. Development of writing and research abilities, building on skills learned in EN-101 and EN-102 (prerequisites). This course fulfills the General Education LIT requirement.

EN-226 Literary Studies for English Majors **Credits: 3**
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): WT
An introduction to literary studies. Close study of representative texts in fiction, poetry, drama, the essay, and literary theory and criticism; writing of analytical essays, integrating close reading of text with theoretical critical approaches.

EN-227 Foundations of British Literature **Credits: 3**
Prerequisite(s): EN-101 and EN-102; or permission of the instructor
Term Offered: All Terms
Course Type(s): LIT, ENCWU
A British and Irish literature survey from the Middle Ages through the late eighteenth century, emphasizing close analysis of texts and fundamental approaches to critical writing.

EN-228 Foundations of American Literature **Credits: 3**
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): LIT, ENCWU
An American literature survey from the Colonial period to the Civil War, emphasizing fundamental critical terms and concepts and the use of writing to explore relationships between literature and criticism.

EN-229 Non-European Literature in English **Credits: 3**
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): GU, LIT, ENCWU
Survey of national literature from the non-western, non-European world. Literary analysis and class reading of selected prose, poetry and dramatic literature.

EN-251 Creative Writing: Introduction **Credits: 3**
Prerequisite(s): EN-101 and EN-102
Term Offered: All Terms
Course Type(s): None
Students analyze in a workshop setting readings in two or more genres of literature (poetry, fiction, drama, non-fiction) to observe techniques in craft, and present their own creative writings for intensive examination by workshop participants.

EN-252 Creative Writing: Fiction **Credits: 3**
Prerequisite(s): EN-251 or permission of the instructor
Term Offered: All Terms
Course Type(s): ENCWU
Short-story writing with critiques. This course is repeatable once for credit, with departmental permission.

EN-253 Creative Writing: Poetry **Credits: 3**
Prerequisite(s): EN-251 or permission of the instructor
Term Offered: Spring Term
Course Type(s): ENCWU
Experiment with a variety of verse forms and techniques for the purpose of developing creativity and deepening the appreciation of poetry. Repeatable once for credit, with departmental permission.

EN-254 Creative Writing: Drama **Credits: 3**
Prerequisite(s): EN-251 or permission of the instructor
Term Offered: All Terms
Course Type(s): ENCWU
The writing of one-act plays; development of comic and dramatic techniques. Repeatable once for credit with departmental permission.

EN-255 Creative Writing: Non-Fiction **Credits: 3**
Prerequisite(s): EN-251 or permission of the instructor
Term Offered: Spring Term
Course Type(s): ENCWU
Development of advanced writing skills to explore a variety of personal essay forms, such as the memoir, travel writing, and the lyric essay. Repeatable once for credit, with departmental permission.

EN-271 Professional Writing **Credits: 3**
Prerequisite(s): EN-101 and EN-102
Term Offered: All Terms
Course Type(s): TL
An advanced writing workshop introducing the rhetorical principles and writing practices necessary for producing appropriate workplace writing; emphasis on a wide range of audiences, genres, ethical issues and contexts that professional writers commonly encounter.

EN-298 Special Topics in English (200 Level) **Credits: 1-3**
Prerequisite(s): EN-101 and EN-102
Term Offered: Spring Term
Course Type(s): None
An intensive study of a particular subject or problem in English to be announced prior to registration. The course may be conducted on either a lecture-discussion or a seminar basis.

EN-299 Independent Study in English **Credits: 3**
Prerequisite(s): EN-101 and EN-102, three credits from any course with a designation of LIT, and permission of the instructor
Term Offered: All Terms
Course Type(s): None
Independent Study in English: Reading, writing, and research on a selected topic under the direction of an English department faculty member. For the CW or any of the Writing Minors, development of a major writing project under the guidance of a faculty member.

EN-305 Shakespeare I **Credits: 3**
Prerequisite(s): EN-101 and EN-102, and three credits from any course with a course designation of LIT
Term Offered: All Terms
Course Type(s): WT
Shakespeare's life and times; theatrical conventions of the Elizabethan stage; close reading of dramatic poetry in representative early comedies, histories and tragedies.

EN-306 Shakespeare II **Credits: 3**
Prerequisite(s): EN-101, EN-102, and three credits from any course with a designation of LIT
Term Offered: Spring Term
Course Type(s): WT
Shakespeare's life and times, his dramatic technique, and the conventions of the Elizabethan stage, with emphasis on the later tragedies and romances.

EN-307 Middle English Literature **Credits: 3**
Prerequisite(s): EN-101, EN-102, and three credits from any course with a designation of LIT
Term Offered: Fall Term
Course Type(s): None
Arthurian legends, dream visions, and the beginnings of English drama, from the twelfth through fifteenth centuries, in translation or in Middle English.

EN-309 Renaissance in England **Credits: 3**
Prerequisite(s): EN-101, EN-102, and three credits from any course with a designation of LIT
Term Offered: Spring Term
Course Type(s): None
Poetry, prose, and drama from the reign of Elizabeth I through the Protectorate, excluding Shakespeare. Authors may include: Spenser, Marlowe, Webster, Sidney, Bacon, Donne, Milton, and Marvell.

EN-310 Restoration and Augustan Literature **Credits: 3**
Prerequisite(s): EN-101, EN-102, and three credits from any course with a designation of LIT
Term Offered: All Terms
Course Type(s): None
Survey of British poetry, prose and drama from the Restoration to the late eighteenth century, with special attention to genre and the development of the novel. Authors may include: Behn, Defore, Swift, Pope, Johnson, Burney, Gray, Leapor, Austen, and Cowper.

EN-312 British Romantic Literature **Credits: 3**
Prerequisite(s): EN-101, EN-102, and three credits from any course with a designation of LIT
Term Offered: All Terms
Course Type(s): None
The romantic involvement with self, including major poets and prose writers from Blake through Shelley.

EN-315 British Victorian Literature **Credits: 3**
Prerequisite(s): EN-101, EN-102, and three credits from any course with a designation of LIT
Term Offered: Spring Term
Course Type(s): None
The post-romantic literature of crisis among the Victorians. Authors may include: Carlyle, Tennyson, the Brontes, and Browning.

EN-316 Modern British and Irish Literature **Credits: 3**
Prerequisite(s): EN-101, EN-102, and three credits from any course with a designation of LIT
Term Offered: Spring Term
Course Type(s): None
British and Irish writers from the 1890's through the Second World War, including W.B. Yeats, James Joyce, Virginia Woolf, and Stevie Smith.

EN-318 Contemporary British and Irish Literature **Credits: 3**
Prerequisite(s): EN-101, EN-102, and three credits from any course with a designation of LIT
Term Offered: Spring Term
Course Type(s): None
British and Irish writers since the Second World War, including Samuel Beckett, Philip Larkin, and Seamus Heaney.

EN-319 Modern and Contemporary Irish Drama **Credits: 3**
Prerequisite(s): EN-101, EN-102, and 3 credits from any course with a course type of LIT.
Course Type(s): None
A study of Irish drama from the turn of the twentieth century to the present day. Authors may include Yeats, O'Casey, Beckett, and McPherson.

EN-324 Literature of Colonial America **Credits: 3**
Prerequisite(s): EN-101, EN-102, and three credits from any course with a designation of LIT
Term Offered: All Terms
Course Type(s): None
Major genres, texts, and narratives of the early Americas, from exploration and conquest to colonization. May include Native American narrative and poetry as well as the following writers: Cabeza de Vaca, John Smith, Mary Rowlandson, William Bradford, Anne Bradstreet, Jonathan Edwards, Edward Taylor, Benjamin Franklin, William Byrd, and Sarah Kemble Knight.

EN-327 Mid-Nineteenth Century American Literature **Credits: 3**
Prerequisite(s): EN-101, EN-102, and three credits from any course with a designation of LIT
Term Offered: All Terms
Course Type(s): None
Literature of the United States from the rise of transcendentalism to the Civil War. Authors may include: Poe, Emerson, Thoreau, Whitman, Stowe, Douglass, Melville, and Hawthorne.

EN-329 American Realism **Credits: 3**
Prerequisite(s): EN-101, EN-102, and three credits from any course with a designation of LIT
Term Offered: Spring Term
Course Type(s): None
American literature from 1870 to 1910, emphasizing developments in realistic fiction and poetry.

EN-331 Twentieth Century African American Literature Credits: 3
Prerequisite(s): EN-101, EN-102, and three credits from any course with a designation of LIT
Term Offered: All Terms
Course Type(s): ADS
An overview of African American poetry, drama, fiction and non-fiction in the context of the Harlem Renaissance, the Civil Rights movement, the African American feminist movement, and the new African American Renaissance, while considering the contemporary events and literary movements that affected the writers. Authors include McKay, Hurston, Hughes, Baldwin, Morrison, Walker, Angelou, Wilson.

EN-332 Modern American Literature Credits: 3
Prerequisite(s): EN-101, EN-102, and three credits from any course with a designation of LIT
Term Offered: Spring Term
Course Type(s): None
American writers from World War I to World War II, including Willa Cather, William Faulkner, Robert Frost, and Richard Wright.

EN-334 Contemporary American Literature Credits: 3
Prerequisite(s): EN-101, EN-102, and three credits from any course with a designation of LIT
Term Offered: Spring Term
Course Type(s): None
American writers from World War II to the present, including Arthur Miller, James Baldwin, John Updike, and Elizabeth Bishop.

EN-342 Children's and Young Adult Literature Credits: 3
Prerequisite(s): EN-101, EN-102 and three credits from any course with a course type of LIT
Term Offered: All Terms
Course Type(s): WT
Examines contemporary chapter books, pre-adolescent illustrated texts, and young adult literature, including realism, fantasy, and science fiction, as well as poetry. Through an exploration of representative authors, works, genres, and criticism, the course emphasizes trends and developments in literature written for children and youth. An introduction to basic bibliographic tools and review media is included. Authors studied may include: Maurice Sendak, Roald Dahl, E.B. White, J.K. Rowling, Jack Prelutsky, Lemony Snicket, Sandra Disneros, and winners of the Caldecott and Newberry Medals. EN-342 does not fulfill the 300-level English elective requirement for English majors.

EN-352 Craft of Writing Credits: 3
Prerequisite(s): EN-251 or permission of the instructor
Term Offered: All Terms
Course Type(s): ENCWU
An in-depth study of the creative writing process, either single - or multi - genre. Students may develop a craft workbook that focuses on both traditional and contemporary literary forms and strategies. Students write by assignment and develop techniques of reviewing in order to compare and contrast major authors' aesthetics with their own creative gestures. A final portfolio may consist of approximately thirty pages of revised fiction, nonfiction, or drama, or approximately fifteen pages of revised poetry, or twenty to twenty-five pages, revised, of some combination of genres agreed upon between the student and the professor. The collection should be titled and given a cohesive arrangement. Repeatable once for credit, with departmental permission. Open only to students with a creative writing concentration and minor only.

EN-373 The Art and Practice of Persuasion Credits: 3
Prerequisite(s): EN-101, EN-102, and three credits from any course with a designation of LIT
Term Offered: Fall Term
Course Type(s): None
Classical and contemporary perspectives on the nature, functions, and scope of persuasion and rhetoric. Potential print and visual texts for analysis include but are not limited to non-fiction prose, novels, short fiction, speeches, films, video clips, and Web sites.

EN-384 Language and Community Credits: 3
Term Offered: All Terms
Course Type(s): EX5
This course helps students explore a broad range of career options. Through readings, interviews, guest speakers, and outside-the-classroom experiences, students will take ownership of their own professional identities and career trajectories. This course does not qualify as a 300+ English elective.

EN-388 Cooperative Education: English Credits: 1-3
Prerequisite(s): Completion of all required 100- and 200-level EN courses and at least two EN electives at the 200-level or higher; permission of department chair may also be required.
Course Type(s): EX2
Integration and application of knowledge gained in the academic setting with career-related or community experiences. Work in an external setting, meeting at least three times in the semester with a faculty sponsor from the English department to establish reasonable goals and expectations for the experience, to determine progress at or near the mid-term and to make the final presentation-oral and written-for evaluation. This course may be repeated for credit.

EN-389 Internship in English Credits: 1-3
Term Offered: All Terms
Course Type(s): EX1
Supervised practical experience in English; repeatable for credit. Departmental approval and Junior standing are required to take this course.

EN-398 Special Topics in English (300 Level) Credits: 1-3
Prerequisite(s): three credits from any course with a designation of LIT or permission of the instructor
Term Offered: All Terms
Course Type(s): None
An intensive study of a particular subject or problem in English to be announced prior to registration.

EN-399 Independent Study in English Credits: 1-3
Term Offered: All Terms
Course Type(s): None
Reading and research on a selected topic under the direction of an English department faculty member. Prior permission of the directing professor and department chair is required to take this course.

EN-405 Chaucer Credits: 3
Prerequisite(s): EN-101, EN-102, EN-226, three credits from any course with a designation of LIT, and one course from either EN-227, EN-228, or EN-229, or written permission of the instructor
Term Offered: Fall Term
Course Type(s): None
Selections from the Canterbury Tales, Troilus and Criseyde, and short poems in Middle English.

EN-410 What is a Book? Credits: 3
Prerequisite(s): EN-101, EN-102, EN-226, three credits from any course with a designation of LIT, and one course from either EN-227, EN-228, or EN-229, or written permission of the instructor
Term Offered: Spring Term
Course Type(s): WT
A study of texts and codices in the transitions from manuscript to print and from print to digital which serves as a basis for exploring what can be both lost and gained in our current movement to digital transmission.

EN-414 Place and Space in American Literature Credits: 3
Prerequisite(s): EN-101, EN-102, EN-226, three credits from any course with a designation of LIT, and one course from either EN-227, EN-228, and EN-229, or written permission of the instructor
Term Offered: Spring Term
Course Type(s): None
Defines and differentiates spaces and places in various genres of American literature and explores how select texts reflect aspects of American regions, time periods, literary groups, culture, politics, history, aesthetics, identity, and/or mores. Students will analyze and interpret what diverse places and spaces represent and will apply theory about space and place in their evaluation of select literature.

EN-415 New Jersey Literature Credits: 3
Prerequisite(s): EN-101, EN-102, EN-226, three credits from any course with a designation of LIT, one course from either EN-227, EN-228, or EN-229, or written permission of the instructor
Term Offered: All Terms
Course Type(s): None
An advanced survey of New Jersey literary history from the Colonial period to the present.

EN-416 Secret Gardens: Classic Children's Literature Credits: 3
Prerequisite(s): EN-101, EN-102, EN-226, three credits from any course with a designation of LIT, and one course from either EN-227, EN-228, or EN-229, or written permission of the instructor
Term Offered: Spring Term
Course Type(s): None
English-language children's literature, focusing on "Golden Age" illustrated narratives by authors such as Nesbit, Burnett, Milne, and Grahame, but also including poetry and earlier prose fiction by Carroll and Alcott.

EN-417 Writing World War II in Britain Credits: 3
Prerequisite(s): EN-101, EN-102, EN-226, three credits from courses with a designation of LIT, and one course from either EN-227, EN-228, or EN-229, or written permission of the instructor
Term Offered: All Terms
Course Type(s): None
Major poems and prose of World War II Britain that treat the Battle of Britain, the Blitz, the Holocaust, and the North Africa campaign.

EN-421 African Diaspora Literatures Credits: 3
Prerequisite(s): EN-101, EN-102, EN-226, 3 credits from any course with a designation of LIT, and one course from either EN-227, EN-228, EN-229, or written permission of the instructor
Term Offered: Spring Term
Course Type(s): ADS, RE
The study of the twentieth century literatures of worldwide African Diaspora. Primary texts will be drawn from different genres - prose, poetry, and drama - and will represent the different shores and locations of African Diasporas worldwide.

EN-424 Postmodern Literature Credits: 3
Prerequisite(s): EN-101, EN-102, EN-226, three credits from any course with a designation of LIT, and one course from either EN-227, EN-228, or EN-229, or written permission of the instructor
Term Offered: Spring Term
Course Type(s): None
Explores the works of key figures in postmodern American and/or British literature and includes a study of theoretical structures and cultural changes that help define literary postmodernism.

EN-425 Postcolonial Literature Credits: 3
Prerequisite(s): EN-101, EN-102, EN-226, three credits from any course with a designation of LIT, and one course from either EN-227, EN-228, or EN-229, or written permission of the instructor
Term Offered: All Terms
Course Type(s): ADS, RE
Selected literary representations of colonial and postcolonial discourses in literature, theory, and criticism. Focus on creative representation from African nations, the Caribbean, and the Indian Subcontinent.

EN-426 The Short Story in English Credits: 3
Prerequisite(s): EN-101, EN-102, EN-226, three credits from any course with a designation of LIT, and one course from either EN-227, EN-228, or EN-229, or written permission of the instructor
Term Offered: Fall Term
Course Type(s): None
Development of the short story genre in English from the eighteenth century to the present, including critical readings.

EN-427 Contemporary Poetry Credits: 3
Prerequisite(s): EN-101, EN-102, EN-226, three credits from any course with a designation of LIT, one course from either EN-227, EN-228, or EN-229, or written permission of the instructor
Term Offered: Fall Term
Course Type(s): None
Analysis of selected, recent poets to evaluate developments in contemporary verse.

EN-428 Novel in English Credits: 3
Prerequisite(s): EN-101, EN-102, EN-226, three credits from any course with a designation of LIT, and one course from either EN-227, EN-228, or EN-229, or written permission of the instructor
Course Type(s): None
The development of long prose fiction from the eighteenth century to the present, with consideration of criticism that defines the novel as a genre.

EN-430 Nature of Tragedy Credits: 3
Prerequisite(s): EN-101, EN-102, EN-226 three credits from any course with a designation of LIT and one course from either EN-227, EN-228, or EN-229, or written permission of the instructor
Term Offered: Spring Term
Course Type(s): None
Tragic literature in various genres and periods from the ancient Greeks to the present.

EN-431 Contemporary Women Novelists Credits: 3
Prerequisite(s): EN-101, EN-102, EN-226, three credits for any course with a designation of LIT, and one course from either EN-227, EN-228, or EN-229, or written permission of the instructor
Term Offered: Spring Term
Course Type(s): GS
Critical analysis of selected novels in English by women from both literary, gender, and feminist perspectives.

EN-441 Criticism and Theory **Credits: 3**
Prerequisite(s): EN-101, EN-102, EN-226, three credits from any course with a designation of LIT, and one course from EN-227, EN-228, or EN-229, or written permission of the instructor.
Term Offered: Spring Term
Course Type(s): WT
Classic literary criticism and/or contemporary critical theory from Aristotle to Coleridge, Marx to Derrida, addressing how, why, and what we read. This course does not and cannot satisfy the Monmouth University LIT requirement.

EN-442 Language and Linguistics **Credits: 3**
Prerequisite(s): EN-101, EN-102, EN-226, three credits from any course with a designation of LIT and one course from EN-227 or EN-228 or EN-229, or written permission of the instructor
Term Offered: Spring Term
Course Type(s): TL
A grounding in the structural aspects of general linguistics: morphology, syntax, semantics, phonology, and pragmatics. Examines the structure of the English language, including nouns and noun classes, ways of talking about actions and states, how ideas are combined into complex sentences, and how context and purpose affect how we use language. Also considers differences between learning a first and second language.

EN-443 History of the English Language **Credits: 3**
Prerequisite(s): EN-101, EN-102, EN-226, three credits from any course with a designation of LIT, and one course from either EN-227, EN-228, or EN-229, or written permission of the instructor
Term Offered: All Terms
Course Type(s): WT
The development of the English language from its Indo-European roots to the present, including both linguistic and cultural factors in language change.

EN-451 Advanced Creative Writing **Credits: 3**
Prerequisite(s): EN-226 and EN-251 or permission of the instructor
Term Offered: All Terms
Course Type(s): ENCWU
Students analyze in a workshop-setting longer works (long poems and/or poetic-sequences; novellas; plays; creative nonfiction) in American and World literature to observe techniques in craft, and present their own capacious, sustained, and at times self-generative creative writings for intensive full-revised and cohesive final portfolio of a length appropriate to the genre. Open only to students with a creative writing concentration or minor only. This course may be repeated once for credit.

EN-470 Theory and Practice of Writing **Credits: 3**
Prerequisite(s): EN-101, EN-102, three credits from any course with a designation of LIT, or written permission of the instructor.
Term Offered: All Terms
Course Type(s): HY, WT
Instruction in theories of expressive and expository writing and integration of language skills, with a focus on writing process research and its applications. Cannot be taken as an English 300+ elective. Limited to Elementary Education, ISEE, and ECEE majors only.

EN-474 Approaches to Composition Theory **Credits: 3**
Prerequisite(s): EN-101, EN-102, EN-226, three credits from any course with a designation of LIT, and one course from either EN-227, EN-228, or EN-229, or written permission of the instructor
Term Offered: Fall Term
Course Type(s): WT
Instructions in the foundations of composition theory, with a focus on writing process research and its applications. Cannot be taken as an English 300+ elective. Limited to Secondary Education majors only.

EN-475 Writing for Digital Audiences **Credits: 3**
Prerequisite(s): EN-101, EN-102, EN-271; or permission of the instructor.
Term Offered: All Terms
Course Type(s): None
A study of theories and concepts of writing and rhetoric in digital media with emphasis on the uses of verbal and visual media in digital spaces, such as web sites, blogs, web articles, and social media. Topics examined include authorship and copyright, digital rhetoric, digital composition processes, multimodal composition theory, theories of new media, and theories of systemic oppression in digitally composed spaces and content.

EN-488 Cooperative Education: English **Credits: 1-3**
Prerequisite(s): Completion of all required 100- and 200-level EN courses and at least two EN electives at the 200-level or higher; permission of department chair may also be required.
Course Type(s): EX2
Integration and application of knowledge gained in the academic setting with career-related or community experiences. Work in an external setting, meeting at least three times in the semester with a faculty sponsor from the English department to establish reasonable goals and expectations for the experience, to determine progress at or near the mid-term and to make the final presentation- oral and written-for evaluation. This course may be repeated for credit.

EN-489 Internship in English **Credits: 1-3**
Term Offered: All Terms
Course Type(s): EX1
Supervised practical experience in English; repeatable for credit. Departmental approval and Junior standing are required to take this course.

EN-491 Seminar in English **Credits: 3**
Prerequisite(s): EN-101, EN-102, EN-226, three credits from any course with a designation of LIT, and one course from either EN-227, EN-228, or EN-229, or written permission of the instructor
Term Offered: All Terms
Course Type(s): None
A concentrated study on a single author, a related group of authors, or a single topic or theme, which includes the production of a scholarly paper based on substantial, independent research. This course is repeatable for credit.

EN-498 Special Topics in English (400 Level) **Credits: 1-3**
Prerequisite(s): EN-101, EN-102, EN-226, three credits from any course with a designation of LIT, and one course from either EN-227, EN-228, and EN-229, or written permission of the instructor
Term Offered: All Terms
Course Type(s): None
An intensive study of a particular subject or problem in English to be announced prior to registration.

EN-499 Independent Study in English **Credits: 1-3**
Prerequisite(s): EN-101, EN-102, EN-226, EN-201 or EN-202, and two courses from either EN-227, EN-228, or EN-229 , or written permission of the instructor
Term Offered: All Terms
Course Type(s): None
Reading and research on a selected topic under the direction of an English Department faculty member. Prior permission of the directing professor and department chair is required to take this course.

B.A. in English (EN.BA)

Code	Title	Credits
Major Requirements/English (36 credits)		
EN-226	Literary Studies for English Majors	3
EN-227	Foundations of British Literature	3
EN-228	Foundations of American Literature	3
EN-229	Non-European Literature in English	3
(EN-227, EN-228, EN-229 satisfy Literature (LIT) in General Education)		
(EN-229 satisfies "GU", Global Understanding in General Education)		
EN-305	Shakespeare I	3
or EN-306	Shakespeare II	
Select one of the following:		3
EN-441	Criticism and Theory	
EN-442	Language and Linguistics	
(Satisfies Technological Literacy (TL) in General Education if selected)		
EN-443	History of the English Language	
EN-470	Theory and Practice of Writing (Elementary Ed. Majors) [1]	
EN-474	Approaches to Composition Theory (Secondary & Special Ed. Majors) [1]	
Select one of the following:		3
EN-252	Creative Writing: Fiction	
EN-253	Creative Writing: Poetry	
EN-254	Creative Writing: Drama	
EN-255	Creative Writing: Non-Fiction	
EN-271	Professional Writing	
(Satisfies Technological Literacy (TL) in General Education if selected)		
EN-300 level or higher (excluding EN-342, EN-384, EN-388, EN-488, and EN-489) [2]		
Select 6 additional credits from English (EN) 300+ level (excluding EN-342, EN-384, EN-388, EN-488, and EN-489)		6
Select 6 additional credits from English (EN) 400+ level (excluding EN-488, and EN-489)		6
EN-491	Seminar in English	3
Interdisciplinary Requirements (6 credits)		
Select 6 credits from the same World Language, any level		6
(Satisfies 3 credits of the World Language requirement in General Education)		
Free Electives (42 credits) [3]		
Select 42 or more Credits of free electives [3]		42
General Education Requirements (36 credits) [4]		
Complete 36 credits as outlined on the General Education table. [4]		36
Total Credits		**120**

[1] *EN/ED majors MUST take EN-470 or EN-474 to fulfill the above credits.*
[2] *See advisor for information on substitutions*
[3] *Please consult with your advisor regarding the required number of free electives that must be completed.*
[4] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(p. 44) courses must be completed.*

Notes

- 54 credits must be completed at the 200 level or higher.
- The English Department awards Departmental Honors to those graduating seniors who successfully completes a senior thesis, two designated courses beyond the standard major requirements, a 3.50 major GPA, a 3.30 overall GPA, and a fulfillment of the language requirement for English majors.

Sequence Chart

First Year			
Fall	**Credits**	**Spring**	**Credits**
EN-101 College Composition I	3	EN-102 College Composition II	3
HS-xxx Gen*Ed Historical Perspectives (HS.SV)	3	Gen*Ed Historical Perspectives (HS.SV) or Social Science Survey (SS.SV)	3
Gen*Ed Natural Science (NS) BY, CE, PH, SC, GL	3	MA-xxx Gen*Ed Mathematics	3
Gen*Ed Social Science Survey (SS.SV)	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
FO-xxx World Language (satisfies Gen*Ed World Language requirement)	3	FO-xxx World Language	3
Semester Credits	**15**	**Semester Credits**	**15**
Second Year			
Fall	**Credits**	**Spring**	**Credits**
EN-229 Non-European Literature in English (Gen*Ed Global Understanding (GU))	3	Free Electives	6
EN-226 Literary Studies for English Majors	3	EN-227 Foundations of British Literature	3
Gen*ED Aesthetics (AT) AR,DA,MU,TH	3	English Writing Elective, select one course from: EN-252, EN-253, EN-254, EN-255, EN-271 (Satisfies Technological Literacy (TL) in Gen*Ed, or EN-300+	3
Gen*Ed Reasoned Oral Discourse (RD)	3	Free Elective	3
Free Elective	3		
Semester Credits	**15**	**Semester Credits**	**15**
Third Year			
Fall	**Credits**	**Spring**	**Credits**
EN-228 Foundations of American Literature (Satisfies Gen*Ed Literature (LIT))	3	EN-300+ Electives	3
EN-305 Shakespeare I or 306 (Satisfies one Writing Intensive class in Gen*Ed (WT))	3	Free Electives	9
EN-300+ English 300+ level elective	3	EN-300+ Experiential Education (Ex)	3
Free Electives	6		
Semester Credits	**15**	**Semester Credits**	**15**
Fourth Year			
Fall	**Credits**	**Spring**	**Credits**
EN-441, EN-442 (Satisfies Technological Literacy (TL) in Gen*Ed), or EN-443	3	EN-491 Seminar in English	3
EN-4xx+ level course	3	EN-400+ Elective	3
PR-xxx Gen*Ed Interdisciplinary Perspectives (ISP)	3	Free Electives	9

Free Electives	6		
Semester Credits	**15**	**Semester Credits**	**15**

Total Credits 120

B.A. in English and Education with Endorsements in Elementary and Teacher of Students with Disabilities (EN.EDEY.BA)

Code	Title	Credits
Major Requirements/English (36 credits)		
EN-226	Literary Studies for English Majors	3
EN-227	Foundations of British Literature	3
EN-228	Foundations of American Literature	3
EN-229	Non-European Literature in English	3
(EN-227, EN-228, EN-229 satisfy Literature (LIT) in General Education)		
(EN-229 satisfies Global Understanding (GU) in General Educaiton)		
EN-305	Shakespeare I	3
or EN-306	Shakespeare II	
Select one of the following:		3
EN-441	Criticism and Theory	
EN-442	Language and Linguistics	
(Satisfies Technological Literacy (TL) in General Education if selected)		
EN-443	History of the English Language	
EN-470	Theory and Practice of Writing (Elementary & Special Education Majors) [1]	
EN-474	Approaches to Composition Theory (Secondary Education Majors) [1]	
Select one of the following:		3
EN-252	Creative Writing: Fiction	
EN-253	Creative Writing: Poetry	
EN-254	Creative Writing: Drama	
EN-255	Creative Writing: Non-Fiction	
EN-271	Professional Writing	
(EN-271 satisfies Technological Literacy in General Education if selected)		
EN-300+ level or higher (excluding EN-342, EN-384, EN-388, EN-488, and EN-489)		
Select 6 additional credits from English (EN) 300+ level (excluding EN-342, EN-384, EN-388, EN-488, and EN-489)		6
Select 6 additional credits from English (EN) 400+ level (excluding EN-488 and EN-489)		6
EN-491	Seminar in English	3
Major Requirements/Education (42 credits) [2]		
ED-250	Psychological and Philosophical Foundations of Education	3
EDS-330	Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
EDS-336	Classroom Management	3
EDL-326	Literacy Instruction in P-6 Educational Settings I	3
ED-320	Teaching Emergent Multilinguals in an Inclusive Classroom	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
EDL-327	Methods of Teaching Content Area Literacy in the Inclusive Elementary Setting: Language Arts & Social Studies	3
ED-360	Methods of Teaching Elementary Mathematics	3
ED-361	Methods of Teaching Science for Elementary School	3
EDS-338	Assessment Approaches, P-12	3
EDS-342	Instructional Methods and Materials for Students with Disabilities	3
EDS-350	Individualizing Curricula and Systematic Instruction for Special Education	3
Select 9 credits as follows: [2,3]		
ED-416 & 416S	Clinical Practice and Clinical Practice Seminar	9
English Interdisciplinary Requirements (6 credits)		
Select 6 credits from the same world language, any level [4]		6
(Satisfies 3 credits of the World Language requirement in General Education)		
Education Interdisciplinary Requirements (6 credits)		
MA-205	Number Systems	3
MA-206	Algebraic Thinking, Probability and Statistics	3
(MA-205 and MA-206 satisfy Mathematics in General Education)		
Free Electives (0 credits) [4]		
The number of free electives, if any, will be determined in consultation with your advisor [4]		0
General Education Requirements (30 credits) [5]		
Complete 30 credits as outlined on the General Education table. [5]		30
Total Credits		**120**

[1] *EN/ED majors MUST take EN-470 Theory and Practice of Writing (3 cr.) or EN-474 Approaches to Composition Theory (3 cr.) to fulfill the above credits.*

[2] *Minimum grade of "C" required for Education Courses*

[3] *Students must complete the appropriate test requirement(s) with a passing score PRIOR to Clinical Practice.*

[4] *Please consult with your advisor regarding the required number of free electives that must be completed.*

[5] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(p. 44) courses must be completed.*

Additional Endorsements Available

- P-3 Early Childhood Endorsement
- ESL - English as a Second Language - Elementary
- MID-EN - Middle School English

Notes

- 54 credits must be completed at the 200 level or higher.
- Education majors are required to have an overall GPA of 3.00 for State Certification.
- By state regulation, all Education Majors seeking content area endorsement must complete 30 content credits (12+ credits at the 300+ level).
- The English Department awards Departmental Honors to those graduating seniors who successfully complete a thesis, 2 courses beyond the standard major requirements, a 3.50 major GPA, a 3.30 overall GPA, and fulfill the intermediate language requirements.

Sequence Chart

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
HS-xxx Gen*Ed Historical Perspectives (HS.SV)	3	ED-250 Psychological and Philosophical Foundations of Education	3
Gen*Ed Natural Science (NS) BY,CE,PH,GL	3	Gen*Ed Historical Perspectives (HS.SV) or Social Science Survey (SS.SV)	3
Gen*ED Social Science Survey (SS.SV)	3	Gen*Ed Natural Science (NS) BY,CE,PH,GL	3
FO-xxx World Language (Satisfies Gen*Ed World Language)	3	FO-xxx World Language	3
Semester Credits	**15**	**Semester Credits**	**15**

Second Year

Fall	Credits	Spring	Credits
ED-320 Teaching Emergent Multilinguals in an Inclusive Classroom (Gen*Ed Reasoned Oral Discourse (RD) and Writing Intensive (WT)	3	EDS-330 Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
EN-226 Literary Studies for English Majors (Gen*Ed Writing Intensive (WT)	3	EDL-326 Literacy Instruction in P-6 Educational Settings I	3
EN-229 Non-European Literature in English (Satisfies Literature (LIT) and Global Understanding (GU) in Gen*Ed	3	Gen*Ed Aesthetics (AT) AR, DA, MU, TH	3
MA-205 Number Systems	3	MA-206 Algebraic Thinking, Probability and Statistics	3
EN-3xx+ English Elective	3	EN-227 Foundations of British Literature (Satisfies Literature (LIT) in Gen*Ed)	3
		EN-252, EN-253, EN-254, EN-255, EN-271 (satisfies Gen*Ed Technological Literacy (TL), or EN-300+	3
Semester Credits	**15**	**Semester Credits**	**18**

Third Year

Fall	Credits	Spring	Credits
EDS-336 Classroom Management	3	EDS-338 Assessment Approaches, P-12	3
ED-361 Methods of Teaching Science for Elementary School	3	EDS-350 Individualizing Curricula and Systematic Instruction for Special Education	3
EN-228 Foundations of American Literature	3	EN-300+ English Electives	3
EN-305 Shakespeare I or 306	3	EN-400 English Elective	3
EN-400+ English Elective	3	EN-470 Theory and Practice of Writing	3
Semester Credits	**15**	**Semester Credits**	**15**

Fourth Year

Fall	Credits	Spring	Credits
EDL-327 Methods of Teaching Content Area Literacy in the Inclusive Elementary Setting: Language Arts & Social Studies	3	ED-416 Clinical Practice	8
ED-360 Methods of Teaching Elementary Mathematics	3	ED-416S Clinical Practice Seminar	1
EDS-342 Instructional Methods and Materials for Students with Disabilities	3	PR-xxx Gen*Ed Interdisciplinary Perspectives (ISP)	3
EN-442 Language and Linguistics (Gen*Ed Technological Literacy (TL)	3		
EN-491 Seminar in English	3		
Semester Credits	**15**	**Semester Credits**	**12**

Total Credits 120

B.A. in English and Education with Endorsement in Secondary Education in English (EN.EDS.BA)

Code	Title	Credits
Major Requirements/English (36 credits)		
EN-226	Literary Studies for English Majors	3
EN-227	Foundations of British Literature	3
EN-228	Foundations of American Literature	3
EN-229	Non-European Literature in English	3
(EN-227, EN-228, EN-229 satisfy Literature (LIT) in General Education)		
(EN-229 satisfies Global Understanding (GU) in General Education)		
EN-305	Shakespeare I	3
or EN-306	Shakespeare II	
Select one of the following:		3
EN-441	Criticism and Theory	
EN-442	*Language and Linguistics*	
(EN-442 satisfies Technological Literacy (TL) in General Education if selected)		
EN-443	History of the English Language	
EN-470	Theory and Practice of Writing (Elementary & Special Education Majors) [1]	
EN-474	Approaches to Composition Theory (Secondary Education Majors) [1]	
Select one of the following:		3
EN-252	Creative Writing: Fiction	
EN-253	Creative Writing: Poetry	
EN-254	Creative Writing: Drama	
EN-255	Creative Writing: Non-Fiction	
EN-271	Professional Writing	
(EN-271 satisfies Technological Literacy (TL) in General Education if selected)		

EN-300+ level or higher (excluding EN-342, EN-384, EN-388, EN-488 and EN-389)		
Select 6 additional credits from English (EN) 300+ level (excluding EN-342, EN-384, EN-388, EN-488 and EN-489)		6
Select 6 additional credits from English (EN) 400+ level (excluding EN-488 and EN-489)		6
EN-491	Seminar in English	3
Major Requirements/Education (24 credits) [2]		
ED-250	Psychological and Philosophical Foundations of Education	3
EDS-330	Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
EDS-336	Classroom Management	3
ED-319	Content Literacy and Assessment	3
ED-320	Teaching Emergent Multilinguals in an Inclusive Classroom	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
Select 9 credits as follows: [3]		
ED-416 & 416S	Clinical Practice and Clinical Practice Seminar	9
English Interdisciplinary Requirements (6 credits)		
Select 6 credits from the same World Language, any level		6
(Satisfies World Language requirement in General Education)		
Education Interdisciplinary Requirements (3 credits)		
MA-100	Quantitative Reasoning and Problem Solving	3
or MA-203	Foundations of Elementary Mathematics I	
(MA-100 and MA-203 satisfy Mathematics in General Education)		
Education Methods Requirements (6 credits) [2]		
ED-315	Digital Media and Instructional Technology Skills for Teachers	3
ED-367	Methods of Teaching English at the Secondary Level	3
Free Electives (15 credits) [4]		
Select up to 15 credits of free electives [4]		15
General Education Requirements (30 credits) [5]		
Complete 30 credits as outlined on the General Education table. [5]		30
Total Credits		**120**

[1] *EN/ED majors MUST take EN-470 Theory and Practice of Writing (3 cr.) or EN-474 Approaches to Composition Theory (3 cr.) to fulfill the above credits.*

[2] *Minimum grade of "C" required for Education Courses*

[3] *Students must complete the appropriate test requirement(s) with a passing score PRIOR to Clinical Practice.*

[4] *Please consult with your advisor regarding the required number of free electives that must be completed.*

[5] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(p. 44) courses must be completed.*

Additional Endorsements Available

- ESL - English as a Second Language - Secondary
- TSD - Teacher of Students with Disabilities - Secondary

Notes

- 54 credits must be completed at the 200 level or higher.
- Education majors are required to have an overall GPA of 3.00 for State Certification.
- By state regulation, all Education Majors seeking content area endorsement must complete 30 content credits (12+ credits at the 300+ level).
- The English Department awards Departmental Honors to those graduating seniors who successfully complete a thesis, two designated courses beyond the standard major requirements, a 3.50 major GPA, a 3.30 overall GPA, and fulfillment of the World Languages requirement for English majors.

Sequence Chart

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
Gen*Ed Historical Perspectives (HS.SV)	3	Gen*Ed Historical Perspectives (HS.SV) or Social Science Survey (SS.SV)	3
Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3	ED-250 Psychological and Philosophical Foundations of Education	3
Gen*ED Social Science (SS.SV)	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
FO-xxx Gen*Ed World Language	3	FO-xxx World Language	3
Semester Credits	**15**	**Semester Credits**	**15**

Second Year

Fall	Credits	Spring	Credits
ED-320 Teaching Emergent Multilinguals in an Inclusive Classroom (Satisfies Reasoned Oral Discourse (RD) and Writing Intensive (WT) in Gen*ED)	3	EDS-330 Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
EN-226 Literary Studies for English Majors (Gen*Ed Writing Intensive (WT))	3	EN-227 Foundations of British Literature	3
EN-229 Non-European Literature in English (Gen*Ed Literature (LIT) and Global Understanding (GU)	3	EN-252, EN-253, EN-254, EN-255, EN-271, or EN-3xx+(EN-271 satisfies Technological Literacy (TL) in Gen*Ed if selected)	3
MA-100 Quantitative Reasoning and Problem Solving or 203 (Gen*Ed Mathematics)	3	Gen*Ed Aesthetics (AT) AR, DA, MU, TH	3
Free Elective	3	Free Elective	3
Semester Credits	**15**	**Semester Credits**	**15**

Third Year

Fall	Credits	Spring	Credits
EDS-336 Classroom Management	3	ED-319 Content Literacy and Assessment	3
EN-228 Foundations of American Literature	3	EN-474 Approaches to Composition Theory	3
EN-305 Shakespeare I or 306	3	EN-300+ English Elective	6
Free Electives	6	Free Elective	6
Semester Credits	**15**	**Semester Credits**	**18**

Fourth Year			
Fall	**Credits**	**Spring**	**Credits**
ED-315 Digital Media and Instructional Technology Skills for Teachers	3	ED-416 Clinical Practice	8
ED-367 Methods of Teaching English at the Secondary Level	3	ED-416S Clinical Practice Seminar	1
EN-491 Seminar in English	3	Gen*Ed Interdisciplinary Perspectivs (ISP)	3
EN400+ English Electives	6		
Semester Credits	**15**	**Semester Credits**	**12**

Total Credits 120

B.A. in English and Education with Endorsements in P-3 and Teacher of Students with Disabilities (EN.YI.BA)

Code	Title	Credits
Major Requirements/English (36 credits)		
EN-226	Literary Studies for English Majors	3
EN-227	Foundations of British Literature	3
EN-228	Foundations of American Literature	3
EN-229	Non-European Literature in English	3
(EN-227, EN-228, EN-229 satisfy Literature (LIT) in General Education)		
(EN-229 satisfies Global Understanding (GU) in General Education)		
EN-305	Shakespeare I	3
or EN-306	Shakespeare II	
Select one of the following:		3
EN-441	Criticism and Theory	
EN-442	Language and Linguistics	
(EN-442 satisfies Technological Literacy (TL) in General Education if selected)		
EN-443	History of the English Language	
EN-470	Theory and Practice of Writing (Elementary & Special Education Majors) [1]	
EN-474	Approaches to Composition Theory (Secondary Education Majors) [1]	
Select one of the following:		3
EN-252	Creative Writing: Fiction	
EN-253	Creative Writing: Poetry	
EN-254	Creative Writing: Drama	
EN-255	Creative Writing: Non-Fiction	
EN-271	Professional Writing	
(EN-271 satisfies Technological Literacy (TL) in General Education if selected)		
EN-300+ level or higher (excluding EN-342, EN-384, EN-388, EN-488 and EN-489)		
Select 6 additional credits from English (EN) 300+ level (excluding EN-342, EN-384, EN-388, EN-488 and EN-489)		6
Select 6 additional credits from English (EN) 400+ level (excluding EN-342, EN-384, EN-388, EN-488 and EN-489)		6
EN-491	Seminar in English	3
Major Requirements/Education (45 credits) [2]		
ED-250	Psychological and Philosophical Foundations of Education	3
ED-361	Methods of Teaching Science for Elementary School	3
EDL-280	Introduction to Early Childhood Education	3
EDL-326	Literacy Instruction in P-6 Educational Settings I	3
ED-320	Teaching Emergent Multilinguals in an Inclusive Classroom	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
EDL-333	Family Partnerships in Early Childhood Settings	3
EDS-330	Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
EDS-336	Classroom Management	3
EDS-338	Assessment Approaches, P-12	3
EDS-342	Instructional Methods and Materials for Students with Disabilities	3
EDS-350	Individualizing Curricula and Systematic Instruction for Special Education	3
EDL-364	Early Childhood Capstone Research Seminar	3
Select 9 credits as follows: [3]		
ED-416 & 416S	Clinical Practice and Clinical Practice Seminar	9
English Interdisciplinary Requirements (6 credits)		
Select 6 credits from the same World Language, any level [4]		6
(Satisfies World Language requirement in General Education)		
Education Interdisciplinary Requirements (6 credits)		
MA-203	Foundations of Elementary Mathematics I	3
MA-204	Foundations of Elementary Mathematics II	3
(MA-203 and MA-204 satisfy Mathematics in General Education)		
Free Electives (0 credits) [4]		
The number of free electives, if any, will be determined in consultation with the advisor. [4]		
General Education Requirements (30 credits) [5]		
Complete 30 credits as outlined on the General Education table. [5]		30
Total Credits		**123**

[1] *EN/ED majors MUST take EN-470 Theory and Practice of Writing (3 cr.) or EN-474 Approaches to Composition Theory (3 cr.) to fulfill the above credits.*

[2] *Minimum grade of "C" required for Education Courses*

[3] *Students must complete the appropriate test requirement(s) with a passing score PRIOR to Clinical Practice.*

[4] *Please consult with your advisor regarding the required number of free electives that must be completed.*

[5] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major*

or interdisciplinary requirements. Please consult with your advisor to determine which General Education (p. 44) *courses must be completed.*

Notes

- 54 credits must be completed at the 200 level or higher.
- Education majors are required to have an overall GPA of 3.00 for State Certification.
- By state regulation, all Education Majors seeking content area endorsement must complete 30 content credits (12+ credits at the 300+ level).
- The English Department awards Departmental Honors to those graduating seniors who successfully complete a senior thesis, two designated courses beyond the standard major requirements, a 3.50 major GPA, a 3.30 overall GPA, and fulfillment of the World Language requirement for English majors.

Sequence Chart

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
Gen*Ed Historical Perspectives (HS.SV)	3	ED-250 Psychological and Philosophical Foundations of Education	3
Gen*Ed Social Science Survey (SS.SV)	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
FO-xxx Gen*Ed World Language	3	Gen*Ed Historical Perspectives (HS.SV) or Social Science Survey (SS.SV)	3
Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3	FO-xxx World Language	3
Semester Credits	**15**	**Semester Credits**	**15**

Second Year

Fall	Credits	Spring	Credits
EN-229 Non-European Literature in English (Gen*Ed Literature (LIT) and Global Understanding (GU)	3	EDS-330 Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
EN-226 Literary Studies for English Majors (Gen*Ed Writing Intensive (WT)	3	EDS-338 Assessment Approaches, P-12	3
ED-320 Teaching Emergent Multilinguals in an Inclusive Classroom (Gen*Ed Reasoned Oral Discourse (RD) and Writing Intensive (WT)	3	EN-227 Foundations of British Literature	3
EDL-280 Introduction to Early Childhood Education	3	EN-252, EN-253, EN-254, EN-255, EN-271 (Satisfies Technological Literacy (TL) in Gen*ED if selected) OR EN-300+	3
EDL-326 Literacy Instruction in P-6 Educational Settings I	3	MA-204 Foundations of Elementary Mathematics II	3
MA-203 Foundations of Elementary Mathematics I (Gen*Ed Mathematics)	3		
Semester Credits	**18**	**Semester Credits**	**15**

Third Year

Fall	Credits	Spring	Credits
EDS-336 Classroom Management	3	ED-361 Methods of Teaching Science for Elementary School	3
EDS-350 Individualizing Curricula and Systematic Instruction for Special Education	3	EDL-333 Family Partnerships in Early Childhood Settings	3
EN-228 Foundations of American Literature	3	EN-470 Theory and Practice of Writing	3
EN-305 Shakespeare I or 306	3	EN-3XX+ English Elective	6
Gen*Ed Aesthetics (AT) AR, DA, MU, TH	3	Gen*Ed Technological Literacy (TL), if needed	3
Semester Credits	**15**	**Semester Credits**	**18**

Fourth Year

Fall	Credits	Spring	Credits
EDL-364 Early Childhood Capstone Research Seminar	3	ED-416 Clinical Practice	8
EN-491 Seminar in English	3	ED-416S Clinical Practice Seminar	1
EDS-342 Instructional Methods and Materials for Students with Disabilities	3	Gen*Ed Interdisciplinary Perspectives (ISP)	3
EN-4xx+ English Elective	6		
Semester Credits	**15**	**Semester Credits**	**12**

Total Credits 123

B.A. in English with Concentration in Creative Writing (EN.CW.BA)

Code	Title	Credits
Major Requirements/English (36 credits)		
EN-226	Literary Studies for English Majors	3
EN-227	Foundations of British Literature	3
EN-228	Foundations of American Literature	3
EN-229	*Non-European Literature in English*	*3*
(EN-227, EN-228, EN-229 satisfy Literature (LIT) in General Education)		
(EN-229 satisfies Global Understanding (GU) in General Education)		
EN-305	Shakespeare I	3
or EN-306	Shakespeare II	
Select one of the following:		3
EN-441	Criticism and Theory	
EN-442	Language and Linguistics	
(EN-442 satisfies Technological Literacy (TL) in General Education if selected)		
EN-443	History of the English Language	
EN-470	Theory and Practice of Writing (Elementary Education Majors) [1]	
EN-474	Approaches to Composition Theory (Secondary & Special Education Majors) [1]	
EN-251	Creative Writing: Introduction	3
Select one of the following:		3
EN-252	Creative Writing: Fiction	
EN-253	Creative Writing: Poetry	
EN-254	Creative Writing: Drama	
EN-255	Creative Writing: Non-Fiction	
Select one additional Literature Elective at the 300+ level (excluding EN-342, EN-384, EN-388, EN-488, and EN-489)		3
EN-352	Craft of Writing	3
EN-451	Advanced Creative Writing	3
Select one course designated with Course Type: ENCWU (excluding EN-342, EN-388, EN-488, and EN-384)		3
Interdisciplinary Requirements (6 credits)		
Select 6 credits from the same World Language, any level		6

(Satisfies World Language requirement in General Education)	
Free Electives (42 credits) [2]	
Select 42 or more credits of free electives	42
General Education Requirements (36 credits) [3]	
Complete 36 credits as outlined on the General Education table.	36
Total Credits	**120**

[1] *EN/ED majors MUST take EN-470 Theory and Practice of Writing (3 cr.) or EN-474 Approaches to Composition Theory (3 cr.) to fulfill the above credits.*

[2] *Please consult with your advisor regarding the required number of free electives that must be completed.*

[3] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(p. 44) courses must be completed.*

Notes

- 54 credits must be completed at the 200 level or higher.
- The English Department awards Departmental Honors to those graduating seniors who successfully completes a senior thesis, two designated courses beyond the standard major requirements, a 3.50 major GPA, a 3.30 overall GPA, and fulfillment of the World Language requirement for English majors.

Sequence Chart

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
HS-xxx Gen*Ed Historical Perspectives (HS.SV)	3	Gen*Ed Historical Perspectives (HS.SV) or Social Science Survey (SS.SV)	3
Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3	MA-xxx Gen*Ed Mathematics	3
Gen*Ed Social Science Survey (SS.SV)	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
FO-xxx World Language (Satisfies World Language requirement in Gen*Ed)	3	World Language course	3
Semester Credits	**15**	**Semester Credits**	**15**

Second Year

Fall	Credits	Spring	Credits
EN-229 Non-European Literature in English (Gen*Ed Global Understanding (GU) and Literature (LIT))	3	EN-227 Foundations of British Literature	3
EN-226 Literary Studies for English Majors (Gen*Ed Writing Intensive (WT)	3	EN-251 Creative Writing: Introduction	3
Gen*Ed Reasoned Oral Discourse (RD)	3	Free Electives	9
Gen*Ed Aesthetics (AT) AR, DA, MU, TH	3		
Free Elective	3		
Semester Credits	**15**	**Semester Credits**	**15**

Third Year

Fall	Credits	Spring	Credits
EN-228 Foundations of American Literature	3	EN-3xx+ English Elective	3
EN-305 Shakespeare I or 306	3	EN-200+ Creative Writing Elective, see curriculum chart for choices	3
EN-252, EN-253, EN-254, or EN-255 See Curriculum Chart for titles	3	Free Electives	9
Free Electives	6		
Semester Credits	**15**	**Semester Credits**	**15**

Fourth Year

Fall	Credits	Spring	Credits
EN-441, EN-442 (satisfies Technological Literacy (TL) in General Education, or EN-443	3	EN-451 Advanced Creative Writing	3
EN-300+ or EN-400+ (Gen*Ed Experiential Education (Ex)	3	Free Electives	12
EN-352 Craft of Writing	3		
Gen*Ed PR-xxx Interdisciplinary Perspectives (ISP)	3		
Free Electives	3		
Semester Credits	**15**	**Semester Credits**	**15**

Total Credits 120

B.A. in English with Concentration in Creative Writing and Education with Endorsements in Elementary and Teacher of Students with Disabilities (EN.CW.EDEY.BA)

Code	Title	Credits
Major Requirements/English (36 credits)		
EN-226	Literary Studies for English Majors	3
EN-227	Foundations of British Literature	3
EN-228	Foundations of American Literature	3
EN-229	Non-European Literature in English	3
(EN-227, EN-228, EN-229 satisfy Literature (LIT) in General Education)		
(EN-229 also satisfies Global Understanding (GU) in General Education)		
EN-305	Shakespeare I	3
or EN-306	Shakespeare II	
Select one of the following:		3
EN-441	Criticism and Theory	
EN-442	Language and Linguistics	
(EN-442 satisfies Technological Literacy (TL) in General Education if selected)		
EN-443	History of the English Language	
EN-470	Theory and Practice of Writing (Elementary & Special Education Majors) [1]	
EN-474	Approaches to Composition Theory (Secondary Education Majors) [1]	
EN-251	Creative Writing: Introduction	3
Select one of the following:		3
EN-252	Creative Writing: Fiction	
EN-253	Creative Writing: Poetry	
EN-254	Creative Writing: Drama	
EN-255	Creative Writing: Non-Fiction	

Select one additional Literature Elective at the 300+ level (excluding EN-342, EN-384, EN-388, EN-488 and EN-489)		3
EN-352	Craft of Writing	3
EN-451	Advanced Creative Writing	3
Select one course designated with Course Type: ENCWU (excluding EN-342, EN-388, EN-488, and EN-384)		3
Major Requirements/Education (42 credits) [2]		
ED-250	Psychological and Philosophical Foundations of Education	3
EDS-330	Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
EDS-336	Classroom Management	3
EDL-326	Literacy Instruction in P-6 Educational Settings I	3
ED-320	Teaching Emergent Multilinguals in an Inclusive Classroom	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
EDL-327	Methods of Teaching Content Area Literacy in the Inclusive Elementary Setting: Language Arts & Social Studies	3
ED-360	Methods of Teaching Elementary Mathematics	3
ED-361	Methods of Teaching Science for Elementary School	3
EDS-338	Assessment Approaches, P-12	3
EDS-342	Instructional Methods and Materials for Students with Disabilities	3
EDS-350	Individualizing Curricula and Systematic Instruction for Special Education	3
ED-416 & 416S	Clinical Practice and Clinical Practice Seminar [3]	9
English Interdisciplinary Requirements (6 credits)		
Select 6 credits from the same World Language, any level		6
(Satisfies the World Language requirement in General Education)		
Education Interdisciplinary Requirements (6 credits)		
MA-205	Number Systems	3
MA-206	Algebraic Thinking, Probability and Statistics	3
(MA-205 and MA-206 both satisfy Mathematics in General Education)		
Free Electives (0 credits) [4]		
The number of free electives, if any, will be determined in consultation with your advisor [4]		0
General Education Requirements (30 credits) [5]		
Complete 30 credits as outlined on the General Education table. [5]		30
Total Credits		**120**

[1] *EN/ED majors MUST take EN-470 Theory and Practice of Writing (3 cr.) or EN-474 Approaches to Composition Theory (3 cr.) to fulfill the above credits.*

[2] *Minimum grade of "C" required for Education Courses.*

[3] *Students must complete the appropriate test requirement(s) with a passing score PRIOR to Clinical Practice.*

[4] *Please consult with your advisor regarding the required number of free electives that must be completed.*

[5] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(p. 44) courses must be completed.*

Additional Endorsements Available

- P-3 Early Childhood Endorsement
- ESL - English as a Second Language - Elementary
- MID-EN - Middle School English

Notes

- 54 credits must be completed at the 200 level or higher.
- Education majors are required to have an overall GPA of 3.00 for State Certification.
- By state regulation, all Education Majors seeking content area endorsement must complete 30 content credits (12+ credits at the 300+ level).
- The English Department awards Departmental Honors to those graduating seniors who successfully complete a thesis, 2 courses beyond the standard major requirements, a 3.50 major GPA, a 3.30 overall GPA, and fulfill the intermediate language requirements.

Sequence Chart

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
Gen*Ed Historical Perspectives (HS.SV)	3	ED-250 Psychological and Philosophical Foundations of Education	3
Gen*Ed Natural Science (NS) BY,CE,SC,PH,GL	3	Gen*Ed Historical Perspectives (HS.SV) or Social Science Survey (SS.SV)	3
Gen*Ed Social Science Survey (SS.SV)	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
FO-xxx Gen*ED World Language	3	FO-xxx World Language	3
Semester Credits	**15**	**Semester Credits**	**15**

Second Year

Fall	Credits	Spring	Credits
ED-320 Teaching Emergent Multilinguals in an Inclusive Classroom (Gen*Ed Reasoned Oral Discourse (RD)	3	EDS-330 Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
EN-226 Literary Studies for English Majors (Gen*Ed Writing Intensive (WT)	3	EDL-326 Literacy Instruction in P-6 Educational Settings I	3
EN-229 Non-European Literature in English (Gen*Ed Literature (LIT) and Global Understanding (GU)	3	MA-206 Algebraic Thinking, Probability and Statistics	3
MA-205 Number Systems	3	EN-227 Foundations of British Literature	3
Gen*Ed Aesthetics (AT)	3	EN-251 Creative Writing: Introduction	3
Semester Credits	**15**	**Semester Credits**	**15**

Third Year

Fall	Credits	Spring	Credits
EDS-336 Classroom Management	3	EDS-338 Assessment Approaches, P-12	3

ED-361 Methods of Teaching Science for Elementary School	3	EDS-350 Individualizing Curricula and Systematic Instruction for Special Education	3
EN-228 Foundations of American Literature	3	EN-352 Craft of Writing	3
EN-305 Shakespeare I or 306	3	EN-3xx+ English Elective (If selected, EN-442 satisfies an English 300+ level elective and Gen*Ed Technological Literacy (TL)	6
EN-252, EN-253, EN-254, or EN-255	3	EN-470 Theory and Practice of Writing	3
Semester Credits	**15**	**Semester Credits**	**18**

Fourth Year

Fall	Credits	Spring	Credits
EDL-327 Methods of Teaching Content Area Literacy in the Inclusive Elementary Setting: Language Arts & Social Studies	3	ED-416 Clinical Practice	8
ED-360 Methods of Teaching Elementary Mathematics	3	ED-416S Clinical Practice Seminar	1
EN-451 Advanced Creative Writing	3	Gen*Ed PR-xxx Interdisciplinary Perspectives (ISP)	3
EDS-342 Instructional Methods and Materials for Students with Disabilities	3		
EN-491 Seminar in English	3		
Semester Credits	**15**	**Semester Credits**	**12**

Total Credits 120

B.A. in English/Creative Writing and Education with Endorsement in Secondary Education in English (EN.CW.EDS.BA)

Code	Title	Credits
Major Requirements/English (36 credits)		
EN-226	Literary Studies for English Majors	3
EN-227	Foundations of British Literature	3
EN-228	Foundations of American Literature	3
EN-229	Non-European Literature in English	3
(EN-227, EN-228, EN-229 satisfy Literature (LIT) in General Education)		
(EN-229 satisfies Global Understanding (GU) in General Education)		
EN-305	Shakespeare I	3
or EN-306	Shakespeare II	
Select one of the following:		3
EN-441	Criticism and Theory	
EN-442	Language and Linguistics	
(EN-442 satisfies Technological Literacy (TL) in General Education if selected)		
EN-443	History of the English Language	
EN-470	Theory and Practice of Writing (Elementary & Special Education Majors) [1]	
EN-474	Approaches to Composition Theory (Secondary Education Majors) [1]	
EN-251	Creative Writing: Introduction	3
Select one of the following:		3
EN-252	Creative Writing: Fiction	
EN-253	Creative Writing: Poetry	
EN-254	Creative Writing: Drama	
EN-255	Creative Writing: Non-Fiction	
Select one additional Literature Elective at the 300+ level (excluding EN-342, EN-384, EN-388, EN-488 and EN-489)		3
EN-352	Craft of Writing	3
EN-451	Advanced Creative Writing	3
Select one course designated with Course Type: ENCWU (excluding EN-342, EN-388, EN-488, and EN-384)		3
Major Requirements/Education (24 credits) [2]		
ED-250	Psychological and Philosophical Foundations of Education	3
EDS-330	Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
EDS-336	Classroom Management	3
ED-319	Content Literacy and Assessment	3
ED-320	Teaching Emergent Multilinguals in an Inclusive Classroom	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
Select 9 credits as Follows: [3]		
ED-416 & 416S	Clinical Practice and Clinical Practice Seminar	9
English Interdisciplinary Requirements (6 credits)		
Select 6 credits from the same World Language, any level [4]		6
(Satisfies World Language in General Education)		
Education Interdisciplinary Requirements (3 credits) [2]		
MA-100	Quantitative Reasoning and Problem Solving	3
or MA-203	Foundations of Elementary Mathematics I	
(MA-100 and MA-203 satisfy Mathematics in General Education)		
Education Methods Requirements (6 credits) [2]		
ED-315	Digital Media and Instructional Technology Skills for Teachers	3
ED-367	Methods of Teaching English at the Secondary Level	3
Free Electives (15 credits) [4]		
Select up to 15 free elective credits. [4]		15
General Education Requirements (30 credits) [5]		
Complete 30 credits as outlined on the General Education table. [5]		30
Total Credits		**120**

1. *EN/ED majors MUST take EN-470 Theory and Practice of Writing (3 cr.) or EN-474 Approaches to Composition Theory (3 cr.) to fulfill the above credits.*
2. *Minimum grade of "C" required for Education Courses.*
3. *Students must complete the appropriate test requirement(s) with a passing score PRIOR to Clinical Practice.*
4. *Please consult with your advisor regarding the required number of free electives that must be completed.*

[5] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education (p. 44) *courses must be completed.*

Additional Endorsements Available

- ESL - English as a Second Language - Secondary
- TSD - Teacher of Students with Disabilities - Secondary

Notes

- 54 credits must be completed at the 200 level or higher.
- Education majors are required to have an overall GPA of 3.00 for State Certification.
- By state regulation, all Education Majors seeking content area endorsement must complete 30 content credits (12+ credits at the 300+ level).
- The English Department awards Departmental Honors to those graduating seniors who successfully complete a thesis, 2 designated courses beyond the standard major requirements, a 3.50 major GPA, a 3.30 overall GPA, and fulfillment of the World Language requirement for English majors.

Sequence Chart

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
Gen*Ed Historical Perspectives (HS.SV)	3	ED-250 Psychological and Philosophical Foundations of Education	3
Gen*Ed Social Science Survey (SS.SV)	3	Gen*Ed Historical Perspectives (HS.SV) or Social Science Survey (SS.SV)	3
Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
FO-xxx Gen*Ed World Language	3	FO-xxx World Language	3
Semester Credits	**15**	**Semester Credits**	**15**

Second Year

Fall	Credits	Spring	Credits
ED-320 Teaching Emergent Multilinguals in an Inclusive Classroom (Gen*Ed Reasoned Oral Discourse (RD)	3	EDS-330 Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
MA-100 Quantitative Reasoning and Problem Solving or 203 (Gen*Ed Mathematics)	3	EN-227 Foundations of British Literature	3
EN-226 Literary Studies for English Majors (Gen*Ed Writing Intensive (WT)	3	EN-252, EN-253, EN-254, or EN-255	3
EN-229 Non-European Literature in English (Gen*Ed. Literature (LIT) and Global Understanding (GU)	3	Gen*Ed Aesthetics (AT) AR, DA, MU, TH	3
Gen*Ed Technological Literacy (TL)	3	Free Elective	3
Semester Credits	**15**	**Semester Credits**	**15**

Third Year

Fall	Credits	Spring	Credits
EDS-336 Classroom Management	3	ED-319 Content Literacy and Assessment	3
EN-228 Foundations of American Literature	3	EN-2xx+ English Elective (Course type ENCWU)	3
EN-251 Creative Writing: Introduction	3	EN-3xx+ English Elective	3
EN-305 Shakespeare I or 306	3	Free Electives	9
Free Elective	3		
Semester Credits	**15**	**Semester Credits**	**18**

Fourth Year

Fall	Credits	Spring	Credits
ED-315 Digital Media and Instructional Technology Skills for Teachers	3	ED-416 Clinical Practice	8
ED-367 Methods of Teaching English at the Secondary Level	3	ED-416S Clinical Practice Seminar	1
EN-352 Craft of Writing	3	Gen*Ed Interdisciplincary Perspectives (ISP)	3
EN-451 Advanced Creative Writing	3		
EN-474 Approaches to Composition Theory	3		
Semester Credits	**15**	**Semester Credits**	**12**

Total Credits 120

B.A. in English/Creative Writing and Education with Endorsements in P-3 and Teacher of Students with Disabilities (EN.CW.YI.BA)

Code	Title	Credits
Major Requirements/English (36 credits)		
EN-226	Literary Studies for English Majors	3
EN-227	Foundations of British Literature	3
EN-228	Foundations of American Literature	3
EN-229	Non-European Literature in English	3
(EN-227, EN-228, EN-229 satisfy Literature (LIT) in General Education)		
(EN-229 satifies Global Understanding (GU) in General Education)		
EN-305	Shakespeare I	3
or EN-306	Shakespeare II	
Select one of the following:		3
EN-441	Criticism and Theory	
EN-442	Language and Linguistics	
(EN-442 satisfies Technological Literacy (TL) in General Education if selected)		
EN-443	History of the English Language	
EN-470	Theory and Practice of Writing (Elementary & Special Education Majors) [1]	
EN-474	Approaches to Composition Theory (Secondary Education Majors) [1]	
EN-251	Creative Writing: Introduction	3
Select one of the following:		3
EN-252	Creative Writing: Fiction	
EN-253	Creative Writing: Poetry	
EN-254	Creative Writing: Drama	
EN-255	Creative Writing: Non-Fiction	
Select one additional Literature Elective at the 300+ level (excluding EN-342, EN-384, EN-388, EN-488 and EN-489)		3

EN-352	Craft of Writing	3
EN-451	Advanced Creative Writing	3
Select one course designated with Course Type: ENCWU (excluding EN-342, EN-388, EN-488, and EN-384)		3
Major Requirements/Education (45 credits) [2]		
ED-250	Psychological and Philosophical Foundations of Education	3
ED-361	Methods of Teaching Science for Elementary School	3
EDL-280	Introduction to Early Childhood Education	3
EDL-326	Literacy Instruction in P-6 Educational Settings I	3
ED-320	Teaching Emergent Multilinguals in an Inclusive Classroom	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
EDL-333	Family Partnerships in Early Childhood Settings	3
EDS-330	Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
EDS-336	Classroom Management	3
EDS-338	Assessment Approaches, P-12	3
EDS-342	Instructional Methods and Materials for Students with Disabilities	3
EDS-350	Individualizing Curricula and Systematic Instruction for Special Education	3
EDL-364	Early Childhood Capstone Research Seminar	3
Select 9 credits as follows: [3]		
ED-416 & 416S	Clinical Practice and Clinical Practice Seminar	9
English Interdisciplinary Requirements (6 credits)		
Select 6 credits from the same World Language, any level [4]		6
(Satisfies World Language requirement in General Education)		
Education Interdisciplinary Requirements (6 credits)		
MA-203	Foundations of Elementary Mathematics I	3
MA-204	Foundations of Elementary Mathematics II	3
(Satisfies Mathematics in General Education)		
Free Electives (0 credits) [4]		
The number of free electives, if any, will be determined in consultation with your advisor. [4]		
General Education Requirements (30 credits) [5]		
Complete 30 credits as outlined on the General Education table. [5]		30
Total Credits		**123**

[1] *EN/ED majors MUST take EN-470 Theory and Practice of Writing (3 cr.) or EN-474 Approaches to Composition Theory (3 cr.) to fulfill the above credits.*

[2] *Minimum grade of "C" required for Education Courses.*

[3] *Students must complete the appropriate test requirement(s) with a passing score PRIOR to Clinical Practice.*

[4] *Please consult with your advisor regarding the required number of free electives that must be completed.*

[5] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(p. 44) courses must be completed.*

Notes

- 54 credits must be completed at the 200 level or higher.
- Education majors are required to have an overall GPA of 3.00 for State Certification.
- By state regulation, all Education Majors seeking content area endorsement must complete 30 content credits (12+ credits at the 300+ level).
- The English Department awards Departmental Honors to those graduating seniors who successfully complete a senior thesis, two designated courses beyond the standard major requirements, a 3.50 major GPA, a 3.30 overall GPA, and fulfillment of the World Language requirement for English majors.

Sequence Chart

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
Gen*Ed Historical Perspectives (HS.SV)	3	ED-250 Psychological and Philosophical Foundations of Education	3
Gen*Ed Social Science Survey (SS.SV)	3	Gen*Ed Historical Perspectives (HS.SV) or Social Science (SS.SV)	3
Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
FO-xxx Gen*Ed World Language	3	FO-xxx World Language	3
Semester Credits	**15**	**Semester Credits**	**15**

Second Year

Fall	Credits	Spring	Credits
ED-320 Teaching Emergent Multilinguals in an Inclusive Classroom (Gen*Ed Reasoned Oral Discourse (RD) and Writing Intensive (WT)	3	EDS-330 Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
EDL-280 Introduction to Early Childhood Education	3	EDS-338 Assessment Approaches, P-12	3
EDL-326 Literacy Instruction in P-6 Educational Settings I	3	MA-204 Foundations of Elementary Mathematics II	3
EN-226 Literary Studies for English Majors (Gen*Ed Writing Intensive (WT))	3	EN-227 Foundations of British Literature	3
EN-229 Non-European Literature in English (Gen*Ed Literature (LIT) and Global Understanding (GU)	3	EN-251 Creative Writing: Introduction	3
MA-203 Foundations of Elementary Mathematics I (Gen*Ed Mathematics)	3		
Semester Credits	**18**	**Semester Credits**	**15**

Third Year

Fall	Credits	Spring	Credits
EDS-336 Classroom Management	3	ED-361 Methods of Teaching Science for Elementary School	3
EDS-350 Individualizing Curricula and Systematic Instruction for Special Education	3	EDL-333 Family Partnerships in Early Childhood Settings	3

EN-305 Shakespeare I or 306	3	EN-470 Theory and Practice of Writing	3
EN-228 Foundations of American Literature	3	EN-2xx+ English Elective (Course Type ENCWU)	3
EN-252, EN-253, EN-254, or EN-255	3	Gen*Ed Aesthetics (AT) AR, DA, MU, TH	3
Gen*Ed Technological Literacy (TL)	3		
Semester Credits	**18**	**Semester Credits**	**15**

Fourth Year

Fall	Credits	Spring	Credits
EDL-364 Early Childhood Capstone Research Seminar	3	ED-416 Clinical Practice	8
EN-451 Advanced Creative Writing	3	ED-416S Clinical Practice Seminar	1
EDS-342 Instructional Methods and Materials for Students with Disabilities	3	Gen*Ed Interdisciplinary Perspectives (ISP)	3
EN-352 Craft of Writing	3		
EN-3xx+ English Elective	3		
Semester Credits	**15**	**Semester Credits**	**12**

Total Credits 123

Minor in Creative Writing (MIN.EN.CW)

Code	Title	Credits
Requirements (9 credits)		
EN-251	Creative Writing: Introduction	3
EN-352	Craft of Writing	3
EN-451	Advanced Creative Writing	3
Electives (9 credits)		
Select three of the following:		9
EN-252	Creative Writing: Fiction	
EN-253	Creative Writing: Poetry	
EN-254	Creative Writing: Drama	
EN-255	Creative Writing: Non-Fiction	
Total Credits		**18**

Minor in English (MIN.EN)

Code	Title	Credits
Select 6 credits from the following:		6
EN-226	Literary Studies for English Majors	
EN-227	Foundations of British Literature	
EN-228	Foundations of American Literature	
EN-229	Non-European Literature in English	
Select 9 credits from English (EN) at the 300+ level [1]		9
Total Credits		**15**

[1] *Except EN-388 Cooperative Education: English (1-3 cr.), EN-488 Cooperative Education: English (1-3 cr.), EN-384 Language and Community (3 cr.), EN-470 Theory and Practice of Writing (3 cr.), EN-474 Approaches to Composition Theory (3 cr.) and EN courses with Course Type: ENCWU*

Minor in Irish Studies (MIN.FIR)

Code	Title	Credits
Electives (15 credits)		
Select a total of 15 credits from both of the following groups:		15
Group A		
EN-214	The Irish: Home and Abroad	
EN-316	Modern British and Irish Literature	
EN-318	Contemporary British and Irish Literature	
Group B		
HS-251	History of the British Isles I	
HS-252	History of the British Isles II	
HS-253	History of Ireland	
HS-352	Militant Nationalism	
Total Credits		**15**

Minor in Professional Writing (MIN.PWT)

Code	Title	Credits
EN-271	Professional Writing	3
EN-475	Writing for Digital Audiences	3
Select one of the following:		3
EN-373	The Art and Practice of Persuasion	
EN-384	Language and Community	
EN-442	Language and Linguistics	
EN-443	History of the English Language	
Select three different courses out of the following:		9
CO-155	Media Literacy	
CO-365	Screenwriting	
CO-367	Media Analysis	
CO-221	Introduction to Digital Media	
CO-306	Interactive Media Productions	
CO-295	Introduction to Public Relations	
CO-313	Digital Media Writing	
CO-222	User Experience and Interaction Design	
CO-226	Intercultural Communication	
CO-250	Global Communication	
CO-290	Media Law	
CO-311	Communication Ethics	
CO-380	Organizational Communication	
EN-255	Creative Writing: Non-Fiction	
Total Credits		**18**

History

Chair: Maryanne Rhett, Department of History and Anthropology

The History curriculum is designed to provide an understanding of the complex forces and values that have shaped the modern world and to prepare students for graduate school or for careers in teaching, museums and historical societies, the law, politics, public service, journalism, or business.

The Interdisciplinary History and Political Science curriculum is designed to provide training in both history and politics for students who wish greater breadth of understanding of contemporary society in preparation for careers in business, law, politics, public service, or journalism.

Student Honor Society: Phi Alpha Theta

Programs

Majors

- B.A. in History (p. 146)
- B.A. in History and Education with Endorsements in Elementary and Teacher of Students with Disabilities (p. 147)
- B.A. in History and Education with Endorsement in Secondary Education in Social Studies (p. 148)
- B.A. in History and Education with Endorsements in P-3 and Teacher of Students with Disabilities (p. 150)
- B.A. in History/Political Science Interdisciplinary (p. 151)
- B.A. in History/Political Science Interdisciplinary and Education with Endorsements in Elementary Education (p. 152)
- B.A. in History/Political Science Interdisciplinary and Education with Endorsement in Secondary Education in Social Studies (p. 154)

Minors

- African Diaspora Studies (p. 155)
- Geography (p. 156)
- Geographic Information Systems (p. 155)
- History (p. 156)
- Philosophy (p. 156)
- Philosophy and Religious Studies (p. 156)
- Public History (p. 156)
- Race and Ethnic Studies (p. 156)
- Religious Studies (p. 157)

Faculty

Julius Adekunle, Professor, African Diaspora Studies Director (Graduate Faculty). B.A., University of Ife, Nigeria; M.A., University of Ibadan, Nigeria; Ph.D., Dalhousie University, Canada. Teaching fields include African history, Africa and its diaspora, and Western Civilization. Recent research on Nigerian history and society.
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Kenneth Campbell, Professor (Graduate Faculty). B.A., Virginia Commonwealth University; M.A., Ph.D., University of Delaware. Teaching fields include English history, Medieval and early modern Europe, and history of witchcraft. Recent research on the English Reformation and religious nonconformity in sixteenth- and seventeenth-century England.
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Manuel Chavez, Lecturer, Philosophy Religious Studies. B.A., Truman State University; M.A., Ph.D., Binghamton University – S.U.N.Y. Teaching fields include philosophy, religion, ethics, and logic. Research interests include social and political philosophy, philosophy of race and gender, Latinx and Latin American philosophy, decolonial theory, and critical thinking pedagogy.
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Christopher DeRosa, Associate Professor (Graduate Faculty). B.A., Columbia University; Ph.D., Temple University. Teaching fields include military history, the Civil Way Reconstruction, World War II, and the Cold War. Research interests include the political roles of soldiers in the 19th and 20th-century U.S. armies.
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Maryanne Rhett, Professor and Chair (Graduate Faculty). B.A., University of South Carolina; M.A., University of Arizona; Ph.D., Washington State University. Areas of teaching are Islam and the Middle East. Research focuses on the Balfour Declaration of 1917.
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Provost and Senior V.P. for Academic Affairs. B.A., Drew University; M.A., College of William and Mary; Ph.D., University of Pennsylvania. Teaching areas include archaeology, historic preservation, North American Indians, and New Jersey history. Research interests include historical archaeology, industrial archaeology, and early American Material Culture. Author of Digging New Jersey's Past: Historical Archaeology in the Garden State.
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Hettie Williams, Associate Professor (Graduate Faculty). B.A., Rowan University; M.A., Monmouth University; Ph.D., Drew University.

Scholarly interests include African American intellectual history, gender in U.S. history; and race studies.
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Melissa Suzanne Ziobro, Specialist Professor.
Curator for the Bruce Springsteen Archives and Center for American Music. B.A., M.A., Monmouth University. Interests include public history. Serves as the faculty advisor of the History and Anthropology Club and the coordinator of the Student Veteran Oral History Project and the fledgling Monmouth Memories Oral History Project. She also coordinates the Department's visiting exhibit series and edits the Department newsletter, and is the department's social media coordinator.
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Courses

HS-101 Western Civilization in World Perspective I **Credits: 3**
Term Offered: All Terms
Course Type(s): HS.SV
An introduction to the major historical developments in the history of Western society and its intellectual tradition. Secondarily, it is also an introduction to the uses of history itself. Our survey will consider ancient Greece and Rome, Medieval Europe, the Renaissance, the Reformation, and the rise of nation-states in Europe. To understand the history of the West in a larger context, we will examine it in relation to the history of the Middle East, particularly at points of contact such as the Crusades.

HS-102 Western Civilization in World Perspective II **Credits: 3**
Term Offered: All Terms
Course Type(s): HS.SV
A readings-based introduction to Western history, from the seventeenth century to the present, in the perspective of a major non-Western civilization. Topics include the Enlightenment, the Industrial Revolution, the Great Depression, the World Wars, the Cold War, and Globalization.

HS-107 Love and Marriage in Historical Perspective **Credits: 3**
Term Offered: All Terms
Course Type(s): HS.SV
Love and Marriage in Historical Perspective is a reading-and-discussion-based thematic history course. This course is designed to expose students to the history of love and marriage from classical antiquity to the present in global perspective. Marriage is one of the oldest social institutions in human culture: and, as an institution, it has not always been associated with the concept of love. This course considers the transformation of marriage as both a public, private, political, economic, social, and emotional institution that has been fundamental to the development of human societies. This includes a discussion of the Greco-Roman world, the Middle Ages, the Romantic era and marriage in the global village at the present. Why is traditional marriage on the decline in Western societies? What is traditional marriage? When, why, and how did the idea of love get tangled up with marriage and how successful has the love-marriage connection been over time? Why is marriage in crisis? What does love have to do with it? What are the revolutionary implications of the rise and fall of marriage as a love-match? These are some of the questions we will contemplate in this course as associated with issues related to sex, gender, sexuality, race and class by examining love and marriage in literature, poetry, music, and in philosophical treatises on the subject utilizing the historical method as the primary approach.

HS-108 Human Gods: Science, Technology, and Culture in History **Credits: 3**
Term Offered: All Terms
Course Type(s): HS.SV
This is a readings and discussion based history course on the interplay between science, technology, and culture in history from the global scientific revolution to the human genome project. The overarching theme of the course is "Human Gods" because we will pay close attention to how scientists in their attempts to manipulate nature in a sense "play god" and how playing god may have devastating consequences for marginalized groups in particular and humanity more generally. Some various arenas of science and technology including medicine, military technology, and computer technology are examined in the course to demonstrate how individuals, industries, and governments have harnessed science and technology to control nature (such as with disease control, other nations in warfare, and general human activity via computer technologies).

HS-110 Historical Studies **Credits: 3**
Term Offered: All Terms
Course Type(s): HS.SV
Through a deep study of a single historical topic, students will learn how historians draw and revise conclusions about the past. They will examine the uses and abuses to which history is put, and they will practice advancing historical arguments of their own.

HS-198 Special Topics in History (100 Level) **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
An intensive study of a particular subject or problem in history to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar-basis. If a prerequisite is required it will be announced in the course schedule.

HS-201 United States History I **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
The development of the multi-ethnic American nation. Colonial origins, the Revolution, the Age of Jackson, slavery, the Civil War, and Reconstruction.

HS-202 United States History II **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
The development of the multi-ethnic American nation. The emergence of modern industrial America, domestic reform and civil rights, world conflict, and leadership.

HS-203 New Jersey History: A Mirror on America **Credits: 3**
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: Spring Term
Course Type(s): HSUS, WT
An introduction to and overview of New Jersey history (1600-1950). Various trends in local history are tied to national developments. Important people, events, and trends in the state history are examined.

HS-209 The History of African-Americans **Credits: 3**
Term Offered: Spring Term
Course Type(s): ADS, CD, HSUS, RE
The study of African-Americans from their first contacts with Europeans through the rise of the Black Power movement in the 1960's; the status of African-American society and contributions to American culture.

HS-212 Introduction to Public History **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Defines public history, explains its past, and explores its intricacy to the future of the historical profession. Topics covered will include oral history, museums and archives management, history's influence on public policy, teaching history, history and the media, cultural tourism, the politics of memory, and digital history. Students will put what they have learned in the classroom to work in the field via a capstone service learning project. All students will, throughout the course of the semester, produce portfolio items suitable for presentation to future employers.

HS-219 United States Military History **Credits: 3**
Term Offered: Spring Term
Course Type(s): HSUS
Surveys the American experience of war, from the first Native American-European contact through the military interventions at the dawn of the twenty-first century; examines not only the major conflicts in this period, but also the evolution of strategy, military institutions, civil-military relations, and the American way of war.

HS-220 History of Advertising **Credits: 3**
Term Offered: All Terms
Course Type(s): GS, HSUS
Designed to develop a critical understanding of the historical evolution of advertising in the United States, with critical attention to race, class, gender, and sexuality. We will explore the economic, political, and cultural factors that have contributed to the development of advertising, and which have been affected by advertising. Some of the topics to be discussed include: the rise of national advertising; the relation of advertising to consumption; advertising to children; political advertising, the relationship between advertisers and the medium in which they appear (magazines, television, radio, etc.), and broadcast and Internet advertising. Also listed as AN-220 and GS-220.

HS-233 Classical Civilizations **Credits: 3**
Term Offered: All Terms
Course Type(s): HSEU, HSPRE
Mediterranean civilizations from the Ancient Near East through Classical Greece and Rome, to the close of the Western Roman Empire.

HS-243 Medieval Europe I (300-1400) **Credits: 3**
Term Offered: Spring Term
Course Type(s): HSEU, HSPRE
Europe from the decline of Rome through the fourteenth century. Semester I (to 1100): barbarian invasions, rise of the Church, early medieval culture, Byzantium and Islam, feudalism and manorialism. Semester II: Empire vs. Papacy, the Church at its height, the flowering of medieval culture.

HS-244 Medieval Europe II (300-1400) **Credits: 3**
Term Offered: Spring Term
Course Type(s): HSEU, HSPRE
Europe from the decline of Rome through the fourteenth century. Semester I (to 1100): barbarian invasions, rise of the Church, early medieval culture, Byzantium and Islam, feudalism and manorialism. Semester II: Empire vs. Papacy, the Church at its height, the flowering of medieval culture.

HS-251 History of the British Isles I **Credits: 3**
Term Offered: Fall Term
Course Type(s): HSEU, HSPRE
Roman, Anglo-Saxon, and Celtic cultures; consolidation of the Anglo-Norman Feudal Monarchy; the impact of the Reformation and Tudor absolutism; and constitutional crisis and revolution to 1688.

HS-252 History of the British Isles II **Credits: 3**
Term Offered: Spring Term
Course Type(s): HSEU
Union between England and Scotland, Parliamentary reform, Industrial Revolution, Empire and Commonwealth, Ireland and Home Rule, democracy and the welfare state, and contemporary Britain and Ireland.

HS-253 History of Ireland **Credits: 3**
Term Offered: Spring Term
Course Type(s): HSEU
Selected themes in Irish history from prehistoric times to the present, including Celtic Christianity, Norman Conquest and Gaelic Recovery, Protestant Ascendancy, Rebellion and Revolution, the Famine and Emigration, Home Rule, the Irish Republic, the Troubles in Northern Ireland and the European Union.

HS-261 History of Russia I **Credits: 3**
Term Offered: Fall Term
Course Type(s): BI.EL, GU, HSAS, HSEU, HSNW, HSPRE
Russia from ancient times to the Nuclear Age. Semester I: the consolidation and decline of the Kievan state, the Muscovite and Imperial eras, the impact of the West to about 1855.

HS-262 History of Russia II **Credits: 3**
Term Offered: Spring Term
Course Type(s): ARHIS, CD, HSAS, HSEU, HSNW
Russia from ancient times to the Nuclear Age. Semester II: the reform era, revolutionary movements, the Soviet state, and the evolution and collapse of the communist regime.

HS-264 North American Indians **Credits: 3**
Term Offered: All Terms
Course Type(s): GU, HSPRE, HSUS, RE
Survey of the cultural, social, and linguistic diversity of pre-Columbian North American societies and problems of contemporary Indian groups. Also listed as AN-264.

HS-266 Historical Archaeology **Credits: 3**
Prerequisite(s): AN-103 or HS-201; and EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): HSPRE, HSUS, WT
Provides an introduction to historical archaeology, the archaeology of the modern world (c.1492+). Focuses on archaeological sites in the United States. Students are introduced to the various written and material sources that historical archaeologists use to interpret the recent past, including artifacts, vernacular architecture, grave markers, documents, photographs and other visual sources. Archaeological field methods are also introduced with a minimum of one class period spent excavating an archaeological site. Also listed as AN-266.

HS-271 Europe, 1914-1939 **Credits: 3**
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Course Type(s): BI.EL, GU, HSEU, WT
Europe during and after World War I: the consequences of that war, the crisis of European democracy, Communism and the Soviet Union, the rise of Fascism in Italy and National Socialism in Germany, and the failure of collective security.

HS-272 Europe Since 1939 **Credits: 3**
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): GU, HSEU, WT
World War II and post-war Europe: the Cold War, European recovery, economic integration, Communism in Eastern Europe, the Soviet Union as a major power, and Europe's changing role.

HS-283 The Civilizations of Asia (India, China, Japan) Credits: 3
Term Offered: All Terms
Course Type(s): HSAS, HSNW, HSPRE
A survey of Asia's great cultural traditions through literature, art, science, religion and institutions, and the interplay of these traditional cultures with Western civilization.

HS-284 Modern East Asia Credits: 3
Term Offered: Spring Term
Course Type(s): GU, HSAS, HSNW
This course is a broad introduction to modern East Asian history from the mid-19th century to the end of the 20th. Through three spatial modules-Japanese archipelago, Chinese mainland, and Korean peninsula-we will explore the interconnections and divisions between these different spaces during a time of rapid change. By diving deeply into a selection of primary and secondary sources (both visual and in translation) from this period, we will examine the major social, cultural, and political shifts over the 19th and 20th centuries in East Asia. We will in particular explore what modernity means in the context of East Asia.

HS-285 Modern China Credits: 3
Course Type(s): GU, HSAS, HSNW
This course will explore the last two centuries of Chinese history, including the opium wars and the fall of the Qing dynasty, the rise of the Chinese Communist Party and founding of the People's Republic of China, post-1949 attempts at socialist transformation, as well as the evolution and consequences of economic reform since the early 1980s. We will draw upon historical writing, memoirs, reportage, and fiction, as well as translations of original documents.

HS-290 Popular Culture and the Middle East Credits: 3
Course Type(s): GU, HSNW, RE
Examines recent events, traditional cultural practices, and the perceptions of the Middle East through the lens of popular media (film, graphic novels, journalism, etc.). Topics to be covered may include but are not limited to: religion, the Arab Spring (2011), the Iranian Revolution, the Arab-Israeli Conflict, women's rights/roles, Orientalism and racism, and common governing structures. Also listed as AN-290.

HS-291 Introduction to Islamic History Credits: 3
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: Spring Term
Course Type(s): BI.EL, GU, HSAS, HSEU, HSNW, HSPRE, RE, WT
Examines the history and development of the Islamic umma (the community of Muslim believers) across time and space. Traces the development of Islam, taking care to understand the environment into which it was first introduced, and follow its development in terms of philosophy and spirituality to the present day. Takes into account variation within the religion as it spread out of the Arabian Peninsula and across the world.

HS-292 The Middle East and the Rise of the Gunpowder Empires Credits: 3
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: Spring Term
Course Type(s): BI.EL, GU, HSAS, HSNW, WT
Examines the history of the Middle East from the 1200s through the end of the 1700s. In the West this era is typically known as the high-water mark for Islamic Civilization, an era marked by a height for Islamic art, architecture, and political organization, this era also marks the time during which Islamic governments held power over the largest swath of territory. To understand this time period students will examine Persian, Ottoman, Egyptian, Indian, and Magrabi/Andalusian history.

HS-293 The African Diaspora in the Americas Credits: 3
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: Spring Term
Course Type(s): ADS, GU, HSNW, HSUS, RE, WT
The dispersion of African people across the world was a seminal event in the history of humankind. African people have profoundly influenced the development of human history from this dispersion. Includes a comprehensive historical overview of the African Diaspora in the Caribbean, Latin America, and North America, from the height of the Atlantic Slave Trade in the eighteenth century to the present.

HS-295 History of Africa Credits: 3
Term Offered: All Terms
Course Type(s): ADS, GU, HSAF, HSNW, RE
Africa in modern times, emphasizing the sub-Saharan part of the continent; traditional African civilizations; European colonization and its impact on Africa; economic, social, and political transformation; and the problems of nation-building.

HS-296 Cultures and Societies of Africa Credits: 3
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): ADS, CD, HSAF, HSNW, RE, WT
Examines the history, cultures, and societies of Africa from the precolonial to the contemporary period. Discusses the cultural, political, and economic changes that have taken place in Africa as a result of Western influence. Also listed as AN-296.

HS-297 History of West Africa Credits: 3
Prerequisite(s): HS-101, HS-102, EN-101 and EN-102 or permission of the instructor
Term Offered: Spring Term
Course Type(s): ADS, CD, HSAF, HSNW, HSPRE, RE, WT
An examination of the history of West Africa from AD 1000 to the present. Special topics include: the sources of West African history, the peoples and empires of West Africa, agriculture and the trans-Saharan trade, the introduction of Islam, the coming of the Europeans, and the post-independent period of West Africa.

HS-298 Special Topics in History (200 Level) Credits: 1-3
Course Type(s): None
An intensive study of a particular subject or problem in history to be announced prior to registration. The course may be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

HS-299 Independent Study in History Credits: 1-3
Term Offered: All Terms
Course Type(s): None
Guided study of a selected topic in history not substantially treated in a regular course, under the direction of a member of the History faculty. Extensive reading and at least one written report are required. Prior permission of the directing professor and department chair is required to take this course.

HS-303 American Colonial and Early National Period Credits: 3
Term Offered: Spring Term
Course Type(s): HSUS
The evolution of the British colonies from their establishment to the American Revolution. The first problems in the development of the new nation to the era of Andrew Jackson.

HS-304 Monuments and Commemoration: Loss and Remembrance Credits: 3
Course Type(s): HSUS
Examines the evolution of American attitudes towards commemoration and remembrance from the colonial period to the present. Focuses on the analysis of landscapes and artifacts, e.g., monuments, grave markers, cemeteries, and historic sites. Topics discussed include the evolution of American burial grounds from colonial burial grounds to the rural cemeteries of the Victorians, and modern memorial parks. Changing grave marker designs and iconography are examined. Distinct ethnic, regional, and national memorial practices are also studied. Public memorials in the form of statuary, commemorative institutions, and historic sites will also be discussed. There will be field trips to select sites. Also listed as AN-304.

HS-305 Women in US History Credits: 3
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: Spring Term
Course Type(s): GS, HSUS, WT
Surveys women's historical experience in the US. The emphasis of the course will be on how women of different socio-economic backgrounds, races, and ethnic groups have shaped and been affected by US History. Also listed as GS-305.

HS-306 Jazz Age and Harlem Reniassance Credits: 3
Term Offered: All Terms
Course Type(s): ADS, HSUS, RE, WT
Focus will be on race, gender, class and sexuality in Jazz Age America as related to the development of the Harlem Renaissance. Harlem was the center of black culture in the 1920s; but this "New Negro Movement" stretched far beyond Harlem. In this course, we will explore both the national and transnational dimensions of the Harlem Renaissance and how the culture of the Harlem Renaissance helped to shape modern American culture more broadly. This course will include an examination of the Harlem Renaissance in American history from multiple perspectives including literary, artistic, cinematic, economic and philosophical aspects of the Renaissance in American history.

HS-307 History of Sexuality in America Credits: 3
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): CD, GS, HSUS, RE, WT
Explores the social and cultural history of sexuality in the United States. How race, class, and gender have influenced ideas about sexuality, morality, and power. Major topics include: reproduction, gay and lesbian sexualities, sexually transmitted diseases, and sexual representation and censorship. Also listed as GS-307.

HS-308 The American Civil Rights Movement Credits: 3
Term Offered: All Terms
Course Type(s): ADS, HSUS, RE
Includes a historical examination of the major personalities, groups, and organizations central to the development of the American Civil Rights Movement in the 1960s. Students will be introduced to important scholarship and participant histories crucial to the Movement through an examination of both primary and secondary source material.

HS-309 Readings in African-American Intellectual History Credits: 3
Term Offered: Spring Term
Course Type(s): ADS, CD, HSUS, RE
Examines some of the major themes and thinkers in the development of the African-American intellectual tradition from the black abolitionists to the present. Major topics of the course include the formation of black oppositional leadership in the Reconstruction south, Booker T. Washington and racial accommodation, W.E.B. DuBois and integration, along with Black Nationalism and contemporary, black-feminist theory.

HS-310 Business and Economic Development of the United States Credits: 3
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): HSUS, WT
The impact of political and economic decisions on the structure of society: agrarianism, merchant capitalism, laissez-faire industrialism, neomercantilism, and the social welfare state.

HS-312 Oral History Credits: 3
Term Offered: Fall Term
Course Type(s): None
Students will learn about oral history by reading about it, researching it, and actually doing it. Students will end the semester with a solid understanding of when, why, and how to conduct oral history interviews, as well as an awareness of the logistical, ethical, and legal considerations involved in doing so. All students will, throughout the course of the semester, produce portfolio items suitable for presentation to future employers.

HS-313 History of the Book in America Credits: 3
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): HO, HSUS, WT
Examines the impact of printed text in America historical development from the colonial era to the present day. It will cover selected topics that will demonstrate that the printed text in all of its various manifestations was shaped by a nascent and evolving American culture and, in turn, was instrumental in shaping this culture.

HS-314 Exploring History and Heritage Sites Credits: 3
Term Offered: Spring Term
Course Type(s): None
The days of whitewashed, feel good history; staid curators; dusty, static museum displays; and musty, hushed archives are fading. Today, the public history community is constantly reassessing what constitutes a history or heritage site, and how traditional sites like museums and archives should operate in the 21st century. In this class, we will consider what history and heritage sites look like, and what they can do to stay relevant while still honoring their core values. In addition to reading the latest in the historiography, students will spend several class sessions visiting local sites, which will act as case studies related to designated readings.

HS-315 Field Research in Archaeology Credits: 3
Prerequisite(s): AN-103 or AN-107 or permission of the instructor
Course Type(s): EX5, HSUS
Archaeological field methods, analysis of data, and anthropological interpretation; students will do supervised work on local sites. May be repeated for a maximum of six credits. Also listed as AN-315.

HS-317 Museum and Archives Management Basics **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
Introduces students to the best practices and procedures of museum and archives management. Topics covered will include the basics of museum and archives administration, as well as the basics of records management, collections care, exhibition, and interpretation.

HS-325 Digital Humanities **Credits: 3**
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): CD, WT
Students will learn the history of and think critically about the field and methodologies known as "Digital Humanities." We will investigate what the digital humanities are, how they have changed over time, their role in academia, their accessibility to the public, the systemic biases and issues within digital humanities and technology, and the possibilities of digital humanities to bring about change in the humanities and the public understanding of the humanities more broadly.

HS-330 The Civil War and Reconstruction **Credits: 3**
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): HSUS, RE, WT
Covers the military, political, and social history of the American Civil War, and the rise, the fall, and the legacies of the postwar Reconstruction.

HS-331 World War II **Credits: 3**
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Course Type(s): HSEU, HSUS, WT
Considers the military, economic, and political characteristics of the Allied and Axis powers and the strategies they produced; examines the military campaigns, the wartime economies, life on the home fronts, the experience of combat, the dynamics of occupation, and the roles of morality and immorality in the conduct of the war.

HS-332 The Cold War **Credits: 3**
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): HSEU, HSUS, WT
Examines the rivalry between the United States and the Soviet Union that organized global politics for forty-five years; the roles of ideology, economy, and security that fueled it; and the diplomacy, propaganda, and the armed might use to wage it; and the impact it had on participants' politics and culture.

HS-333 The Vietnam Era **Credits: 3**
Term Offered: Spring Term
Course Type(s): HSUS, RE
The Vietnam Era, which grew out of America's longest war, was a major influence on American society at home and abroad. Explores the military and political role the U.S. played in this conflict, its influences on American society, and the living legacy of this turbulent era.

HS-344 French Revolution and Napoleon **Credits: 3**
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: Spring Term
Course Type(s): CD, HSEU, WT
Study of France and French influence on Europe between 1789 and 1815; the causes and changing aims of the Revolution, the conflict of ideologies, the failure of the First Republic, and the Napoleonic Empire.

HS-349 Slavery in the Atlantic World **Credits: 3**
Prerequisite(s): AN-380 or GS-252 or SO-252
Course Type(s): ADS
The emergence and decline of racial slavery in the Atlantic World from 1492 to 1888 is the primary focus of this course. Students will learn to understand and articulate the major forces that facilitated the development and collapse of modern slavery in the Atlantic Work and how the residual impact of this system continues to shape contemporary race relations and systems of power at the present. There will be an emphasis on the interrelationship between race, gender, and class in New World plantation societies as evolving systems of power in North America, Latin America, and the Caribbean over time including some discussion of the Black Atlantic. The class serves as a required course for students minoring in race and ethnic studies.

HS-351 Victorian Culture **Credits: 3**
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: Spring Term
Course Type(s): CD, HSEU, WT
Victorian England was the first nation to experience the full force of the societal upheaval caused by industrialization. This course will focus on selected aspects of this culture to demonstrate the complexity of the problems faced by Victorians and the ensuing debates in all theaters of life on proposed solutions to these problems. Specific emphasis will be placed on Victorianism, the middle class ethos, which was both product and agent of Victorian culture.

HS-352 Militant Nationalism **Credits: 3**
Term Offered: All Terms
Course Type(s): HSEU, HSNW, RE
Examines the development of militant nationalist groups and the ideologies behind militant nationalism over the course of the twentieth century. Several case studies will be examined including, but not necessarily limited to: the Irish Republican Army (IRA), the National Liberation Front of Algeria (FLN), the Euskadi Ta Askatasuna (ETA), and the Tamil Tigers (LTTE).

HS-357 Blood & Iron: Germany in the Nineteenth Century **Credits: 3**
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): CD, HSEU, WT
Prussian militarism, legacy of the French Revolution, 1848, Bismarck and Unification, social tensions in the Empire, industrialization, nationalism and racism, and causes of World War I.

HS-358 Modern Germany, 1914-Present **Credits: 3**
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: Spring Term
Course Type(s): CD, HSEU, WT
World War I, Revolution of 1918-19, Weimar Republic, origins of Nazism, the Third Reich, World War II, the Occupation, post-war Germanys, and Unification.

HS-359 The Holocaust **Credits: 3**
Term Offered: All Terms
Course Type(s): HSEU, RE
An examination of the Holocaust with special emphasis on the historical background in European political, social, economic, and religious institutions; the implications of the planned extermination of European Jewry for world civilization; and the question of responsibility.

HS-361 Revolution and Reaction: Jews of the Russian Empire and the Soviet Union (1772-1939) Credits: 3
Course Type(s): CD, HSEU
This cultural, social, religious, economic and political history of the Jews of the Russian Empire in the 19th and early 20th centuries. Who were they and where did they come from? What was their place in society and what policies were invoked in the Russian Empire to deal with the "Jewish problem?" How did their lives change after the Bolshevik revolution and the establishment of the Soviet Union?

HS-391 The Modern Middle East Credits: 3
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Course Type(s): GU, HSNW, RE, WT
Covers the history of the geographic Middle East, North Africa and some of South and Central Asia (largely the heartland of the Islamic world) from 1798 to the present. Particularly interested in examining the fall of empires and monarchies and the rise of modern nationalist movements in addition to the rise of religious fundamentalist and socialist movements across the region as well.

HS-392 History of the Arab-Israeli Conflict Credits: 3
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: Spring Term
Course Type(s): BI.EL, CD, HSAS, HSEU, HSNW, RE, WT
Examines the development of the conflict over a region known as Palestine (post-1948: Israel) from the late 1800s to the present. Special emphasis will be placed on themes related to imperialism, nationalism, cultural definition, religion, ethnicity, gender, militancy, and the environment.

HS-396 Colonial Africa Credits: 3
Term Offered: All Terms
Course Type(s): ADS, GU, HSAF, HSNW
Examines the process of European colonization of Africa in the second half of the nineteenth century. The main issues include: the scramble for and partition of Africa; African resistance to European imperialism and colonization; colonial political, economic, and social policies; the rise of nationalism, and the process of decolonization.

HS-397 Globalization and Africa Credits: 3
Term Offered: All Terms
Course Type(s): ADS, GU, HSAF, HSNW, RE
Globalization has profoundly influenced and transformed Africa in multi-dimensional ways-economically, politically, and socially. While globalization is not a new development, it has had a significant impact on Africa since the late nineteenth century. Africa has been connected to the world market thereby leading to opportunities for economic growth and development. Although African states are still grappling with sustainable economy, they remain strongly attached to the world economic system. Politically, there has been a transition from the monarchical to the parliamentary/presidential systems. This course will examine the concept of globalization, how it has impacted Africa, how Africa how responded to the economic, political, and social changes and challenges. We will also discuss the ways Africa can become more relevant in global affairs.

HS-398 Special Topics in History (300 Level) Credits: 1-3
Term Offered: All Terms
Course Type(s): None
An intensive study of a particular subject or problem in history to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

HS-399 Readings and Research in History Credits: 1-3
Term Offered: All Terms
Course Type(s): None
Guided study of a selected topic in history not substantially treated in a regular course, under the direction of a member of the History faculty. Extensive reading and at least one written report are required. Senior standing; status as a History, History and Political Science, or History and Education major with a 3.00 or higher G.P.A. in major coursework; and prior permission of the directing professor and department chair are required to take this course.

HS-435 The Renaissance Credits: 3
Prerequisite(s): HS-101 and HS-102
Course Type(s): HSEU, HSPRE
Europe in transition from the fourteenth to the sixteenth century; the crisis of the Church, humanism and art, politics, diplomacy, exploration and discovery, science and the occult.

HS-436 The Reformation Credits: 3
Prerequisite(s): 12 credits in History or Junior standing
Term Offered: All Terms
Course Type(s): HSEU, HSPRE
A study of sixteenth- and early seventeenth-century religious and political developments in Europe; causes of the Reformation, its political and social institutionalization, ideas of reformers, wars of religion, and the Counter-Reformation. Also listed as RS-436.

HS-437 Power and Enlightenment: Europe 1648-1789 Credits: 3
Course Type(s): HSEU, HSPRE
A study of European history from the Treaty of Westphalia to the French Revolution, emphasizing the contrast between political and military developments, and cultural and intellectual trends. Special emphasis on the development of absolutism in France, Prussia, Austria, Spain, and Russia; the struggle against absolutism in Britain, Sweden, and the Netherlands; the ideals and goals of the European enlightenment, developing social and political tensions, and enlightened despotism.

HS-453 Tudor - Stuart England Credits: 3
Prerequisite(s): 12 credits in History of Junior standing, and EN-101 and EN-102, or permission of the instructor
Term Offered: Summer Term
Course Type(s): HSEU, HSPRE, WT
Focus will be on society, politics, and religion in sixteenth- and seventeenth-century England. Major topics for discussion will include the English Reformation, the Age of Elizabeth and Shakespeare, the British Civil Wars, the Restoration, and the Revolution of 1688. Each topic will be discussed with reference to the social and economic changes that helped to mold this period.

HS-461 Research Seminar in History Credits: 3
Prerequisite(s): Senior standing and 18 credits in History above HS-202
Term Offered: All Terms
Course Type(s): RD
The development, research, and writing of a research paper in history, with special emphasis on scrupulous documentation, use of primary sources, clear expository writing, and oral presentation of research results. Country or region of study is open.

HS-489 History Internship **Credits: 1-3**
Term Offered: All Terms
Course Type(s): EX1
Supervised, professional experience in public history programs and institutions (e.g., museums, archives, historical societies, preservation agencies). Emphasis on the development of professional skills in areas such as the care and management of historical collections, public education and outreach programming, collections research and analysis, and grant research and writing. This course is repeatable for credit. Junior standing, departmental approval, and placement are required to take this course.

HS-498 Special Topics in History (400 Level) **Credits: 1-3**
Course Type(s): None
An intensive study of a particular subject or problem in history to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

HS-499 Readings and Research in History **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Guided study of a selected topic in history not substantially treated in a regular course, under the direction of a member of the History faculty. Extensive reading and at least one written report are required. Senior standing; status as a History, History and Political Science, or History and Education major with a 3.00 or higher G.P.A. in major coursework; and prior permission of the directing professor and department chair are required to take this course.

B.A. in History (HS.BA)

Code	Title	Credits
Major Requirements/History (33 credits)		
Select 3 credits from Pre-1700 History designated with Course Type: HSPRE		3
Select 3 credits from History designated with one of the following Course Types: HSAF, HSLA, HSAS, HSNW		3
Select 3 credits from History of Europe designated with Course Type: HSEU		3
Select 3 credits from U.S. History designated with Course Type: HSUS		3
Select 15 additional credits from History (HS) at the 200+ level [1]		15
Select 6 credits of History (HS) at the 300+ level (from the 27 credits above, excluding HS-461)		
HS-212	Introduction to Public History	3
HS-461	Research Seminar in History	3
Satisfies Reasoned Oral Discourse (RD) in General Education		
Interdisciplinary Requirements (9 credits)		
GO-100	People, Places, and Environments: Introduction to Geography	3
Satisfies Technological Literacy (TL) and Cultural Diversity (CD) in General Education		
AN-103	Cultural Anthropology	3
Satisfies Social Science (SS.SV) in General Education		
Select 3 credits of ART from the following:		3
AR-241	History of Western Art I *	
AR-242	History of Western Art II *	
AR-341	Art Theory and Writing	
AR-342	History of New and Expanded Media in Art	
AR-343	Renaissance, Mannerist, and Baroque Art	
AR-345	Early to Late Modern Art	
AR-346	History of Graphic Design	
AR-347	History of Photography	
AR-348	Art of India *	
AR-349	Asian Art Survey	
AR-350	World Art Nineteenth-Twentieth Century	
AR-366	Contemporary Art and Worldbuilding	
AR-367	African American Art	
AR-368	Gender, Art, and Society	
MU-218	History and Literature of Music I	
MU-219	History and Literature of Music II	
TH-301	Theatre History I	
TH-349	Postcolonial Drama and Film	
**Courses satisfy Aesthetics (AT) in General Education*		
Free Electives (48 credits) [2]		
Select 48 credits of free electives [2]		48
General Education Requirements (30 credits) [3]		
Complete 30 credits as outlined on the General Education table [3]		30
Total Credits		**120**

[1] *Excluding HS-201 United States History I (3 cr.) and HS-202 United States History II (3 cr.)*
[2] *Please consult with your advisor to confirm the number of free elective credits.*
[3] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education courses *(p. 44) must be completed.*

Sequence Chart

First Year

Fall	Credits	Spring	Credits
HS-1xx Gen*Ed Historical Perspectives (HS.SV)	3	HS-203+ History Elective	3
Ged*Ed World Language Course	3	EN-102 College Composition II	3
EN-101 College Composition I	3	BY/CE/PH/SC/PH (Gen*Ed Natural Science (NS)	3
AN-103 Cultural Anthropology (Gen*ED Social Science Survey (SS.SV)	3	MA-xxx Mathematics (Gen*Ed Mathematics)	3
Free Elective	3	Free Elective	3
Semester Credits	**15**	**Semester Credits**	**15**

Second Year

Fall	Credits	Spring	Credits
HS-212 Introduction to Public History	3	HS-203+ History Elective	3
HSxxx Pre-1700 History (HSPRE)	3	HSxxx European History (HSEU)	3
EN2xx GEN*ED English Literature (LIT)	3	GO-100 People, Places, and Environments: Introduction to Geography (Gen*Ed Cultural Diversity (CD) and Technological Literacy (TL	3
BY/CE/PH/SC/GL GEN*ED Natural Science (NS)	3	Free Electives	3

Free Elective	3	Free Electives	3
Semester Credits	**15**	**Semester Credits**	**15**
Third Year			
Fall	**Credits**	**Spring**	**Credits**
HS-203+ History Elective	3	HS-3xx 300-level History Elective (Gen*Ed Writing Intensive (WT)	3
HS-xxx U.S. History (HSUS)	3	HSxxx History Non-Western (HSNW)	3
AN/GO/GS/PS/PY/SO Social Science Elective (Gen*Ed Social Science Survey (SS.SV)	3	Free Elective	3
Free Elective	3	Free Elective	3
Free Elective	3	Free Elective	3
Semester Credits	**15**	**Semester Credits**	**15**
Fourth Year			
Fall	**Credits**	**Spring**	**Credits**
HS-3xx 300-level History Elective (Gen*Ed Writing Intensive (WT)	3	HS-461 Research Seminar in History	3
AR selection/Gen*Ed Aesthetics (AT) (see curriculum chart for options)	3	PR-xxx (Gen*Ed Interdisciplinary Perspectives (ISP)	3
Free Electives	3	Free Electives	3
Free Electives	3	Free Electives	3
Free Electives	3	Free Electives	3
Semester Credits	**15**	**Semester Credits**	**15**
Total Credits 120			

Notes

- 54 credits must be completed at the 200 level or higher.

B.A. in History and Education with Endorsements in Elementary and Teacher of Students with Disabilities (HS.EDEY.BA)

Code	Title	Credits
Major Requirements/History (30 credits) [1]		
HS-101	Western Civilization in World Perspective I	3
HS-102	Western Civilization in World Perspective II	3
HS-201	United States History I	3
HS-202	United States History II	3
Select 3 credits from Pre-1700 History designated with Course Type: HSPRE		3
Select 3 credits from History of Europe designated with Course Type: HSEU		3
Select 3 credits from History designated with one of the following Course Types: HSLA (Latin America), HSNW (Non-Western), HSAF (Africa), or HSAS (Asia)		3
Select 6 additional credits from History (HS) at the 200+ level [2]		6
HS-461	Research Seminar in History	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
Major Requirements/Education (42 credits) [3]		
ED-250	Psychological and Philosophical Foundations of Education	3
EDS-330	Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
EDS-336	Classroom Management	3
EDL-326	Literacy Instruction in P-6 Educational Settings I	3
EDL-327	Methods of Teaching Content Area Literacy in the Inclusive Elementary Setting: Language Arts & Social Studies	3
ED-320	Teaching Emergent Multilinguals in an Inclusive Classroom	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
ED-360	Methods of Teaching Elementary Mathematics	3
ED-361	Methods of Teaching Science for Elementary School	3
EDS-338	Assessment Approaches, P-12	3
EDS-342	Instructional Methods and Materials for Students with Disabilities	3
EDS-350	Individualizing Curricula and Systematic Instruction for Special Education	3
Select 9 credits as follows: [4]		
ED-416 & 416S	Clinical Practice and Clinical Practice Seminar	9
History Interdisciplinary Requirements (9 credits)		
GO-100	People, Places, and Environments: Introduction to Geography	3
Satisfies Technological Literacy (TL) and Cultural Diversity (CD) in general education		
AN-103	Cultural Anthropology	3
Select 3 credits from the following:		3
AR-241	History of Western Art I *	
AR-242	History of Western Art II *	
AR-341	Art Theory and Writing	
AR-342	History of New and Expanded Media in Art	
AR-343	Renaissance, Mannerist, and Baroque Art	
AR-345	Early to Late Modern Art	
AR-346	History of Graphic Design	
AR-347	History of Photography	
AR-348	Art of India *	
AR-349	Asian Art Survey	
AR-350	World Art Nineteenth-Twentieth Century	
AR-368	Gender, Art, and Society	
AR-366	Contemporary Art and Worldbuilding	
AR-367	African American Art	
MU-218	History and Literature of Music I	
MU-219	History and Literature of Music II	
TH-301	Theatre History I	
TH-349	Postcolonial Drama and Film	
**Courses satisfy Aesthetics (AT) in general education*		
Education Interdisciplinary Requirements (12 credits)		
PS-102	International Relations	3
or PS-103	American National Government	

(Satisfies Social Science (SS.SV) in General Education)		
BE-200	Economics for Social Science	3
or HS-310	Business and Economic Development of the United States	
MA-205	Number Systems	3
MA-206	Algebraic Thinking, Probability and Statistics	3
(MA-205 and MA-206 satisfy Mathematics in General Education)		
Free Electives (3 credits) [5]		
Select up to 3 credits of free electives [5]		3
General Education Requirements (24 credits) [6]		
Complete 33 credits as outlined on the General Education table. [6]		24
Total Credits		**120**

1 At least HS 6 credits at the 300-400 level, excluding HS 461.

2 *Excluding HS-201 United States History I (3 cr.) and HS-202 United States History II (3 cr.)*

3 *Minimum grade of "C" required for Education Courses. Students must complete the appropriate test requirement(s) with a passing score PRIOR to Clinical Practice.*

4 *May be fulfilled within the major/interdisciplinary requirements; see your academic adviser.*

5 *Please consult with your advisor regarding the required number of free electives.*

6 *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(p. 44) courses must be completed.*

Additional Endorsements Available

- P-3 Early Childhood Endorsement
- ESL - English as a Second Language - Elementary
- MID-SS - Middle School Social Sciences

Notes

- 54 credits must be completed at the 200 level or higher.
- Education majors are required to have an overall GPA of 3.00 for State Certification.
- By state regulation, all Education Majors seeking content area endorsement must complete 30 content credits (12+ credits at the 300+ level).
- Students selecting 6 credits of the same foreign language will have 2 free elective credits.

Sequence Chart

First Year

Fall	Credits	Spring	Credits
HS-101 Western Civilization in World Perspective I (Gen*Ed Historical Perspectives (HS.SV)	3	HS-102 Western Civilization in World Perspective II (Gen*Ed Historical Perspectives (HS.SV)	3
EN-101 College Composition I	3	EN-102 College Composition II	3
AN-103 Cultural Anthropology (Gen*Ed Social Science Survey (SS.SV))	3	ED-250 Psychological and Philosophical Foundations of Education	3
FO-xxx Gen*Ed World Language	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3	HS-xxx History Elective	3
Semester Credits	**15**	**Semester Credits**	**15**

Second Year

Fall	Credits	Spring	Credits
HS-201 United States History I	3	HS-202 United States History II	3
ED-320 Teaching Emergent Multilinguals in an Inclusive Classroom (Gen*Ed Reasoned Oral Discourse (RD) and Writing Intensive (WT))	3	EDS-330 Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
MA-205 Number Systems	3	EDL-326 Literacy Instruction in P-6 Educational Settings I	3
HS-203+ History Elective	3	MA-206 Algebraic Thinking, Probability and Statistics	3
EN-2xx Gen*Ed Literature (LIT)	3	HS-xxx History Course Type HSPRE	3
		Free Elective	3
Semester Credits	**15**	**Semester Credits**	**18**

Third Year

Fall	Credits	Spring	Credits
EDS-336 Classroom Management	3	BE-200 Economics for Social Science or HS 310	3
ED-361 Methods of Teaching Science for Elementary School	3	EDS-338 Assessment Approaches, P-12	3
GO-100 People, Places, and Environments: Introduction to Geography (Gen*Ed Technological Literacy (TL) and Cultural Diversity (CD)	3	EDS-350 Individualizing Curricula and Systematic Instruction for Special Education	3
PS-102 International Relations or 103	3	HS-xxx History Course Type HSNW	3
HS-xxx History Course Type HSEU	3	History Interdisciplinary requirement, AR Selections see curriculum chart for options, **Satisfies Gen**Ed Aesthetics (AT)	3
Semester Credits	**15**	**Semester Credits**	**15**

Fourth Year

Fall	Credits	Spring	Credits
EDL-327 Methods of Teaching Content Area Literacy in the Inclusive Elementary Setting: Language Arts & Social Studies	3	HS-461 Research Seminar in History	3
ED-360 Methods of Teaching Elementary Mathematics	3	ED-416 Clinical Practice	8
EDS-342 Instructional Methods and Materials for Students with Disabilities	3	ED-416S Clinical Practice Seminar	1
HS-203+ History Elective	3		
PR-4xx Gen*Ed Interdisciplinary Perspectives (ISP)	3		
Semester Credits	**15**	**Semester Credits**	**12**

Total Credits 120

B.A. in History and Education with Endorsement in Secondary Education in Social Studies (HS.EDS.BA)

Code	Title	Credits
Major Requirements/History (33 credits)		
HS-101	Western Civilization in World Perspective I	3
HS-102	Western Civilization in World Perspective II	3
HS-201	United States History I	3

HS-202	United States History II	3
Select 3 credits from History designated with Course Type: HSPRE		3
Select 3 credits from History designated with Course Type: HSEU		3
Select 3 credits from History designated with one of the following Course Types: HSLA (Latin America), HSNW (Non-Western), HSAF (Africa), or HSAS (Asia)		3
Select 3 credits from History (HS) Course Type HSUS		3
Select 6 additional credits from History (HS) at the 200+ level excluding HS-201 and HS-202 [1]		6
HS-461	Research Seminar in History	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
Major Requirements/Education (24 credits) [2]		
ED-250	Psychological and Philosophical Foundations of Education	3
EDS-330	Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
EDS-336	Classroom Management	3
ED-319	Content Literacy and Assessment	3
ED-320	Teaching Emergent Multilinguals in an Inclusive Classroom	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
Select 9 credits as follows: [3]		
ED-416 & 416S	Clinical Practice and Clinical Practice Seminar	9
Education Methods Requirements (6 credits) [3]		
ED-315	Digital Media and Instructional Technology Skills for Teachers	3
ED-371	Methods of Teaching Social Studies at the Secondary Level	3
History Interdisciplinary Requirements (9 credits)		
GO-100	People, Places, and Environments: Introduction to Geography	3
(Satisfies Technological Literacy (TL) in General Education)		
AN-103	Cultural Anthropology	3
Select 3 credits from the following:		3
AR-241	History of Western Art I *	
AR-242	History of Western Art II *	
AR-341	Art Theory and Writing	
AR-342	History of New and Expanded Media in Art	
AR-343	Renaissance, Mannerist, and Baroque Art	
AR-345	Early to Late Modern Art	
AR-346	History of Graphic Design	
AR-347	History of Photography	
AR-348	Art of India *	
AR-349	Asian Art Survey	
AR-350	World Art Nineteenth-Twentieth Century	
AR-368	Gender, Art, and Society	
AR-366	Contemporary Art and Worldbuilding	
AR-367	African American Art	
MU-218	History and Literature of Music I	
MU-219	History and Literature of Music II	
TH-301	Theatre History I	
TH-349	Postcolonial Drama and Film	
**(Satisfies Aesthetics (AT) in general education)*		
Education Interdisciplinary Requirements (9 credits)		
(Satisfies Social Science (SS.SV) in General Education)		
PS-102	International Relations	3
or PS-103	American National Government	
BE-200	Economics for Social Science	3
or HS-310	Business and Economic Development of the United States	
MA-105	Mathematical Modeling in the Social Sciences	3
(Satisfies Mathematics in General Education)		
Free Electives (15 credits) [4]		
Complete up to 15 credits of free electives. [4]		15
General Education Requirements (24 credits) [5]		
Complete 24 credits as outlined on the General Education table. [5]		24
Total Credits		**120**

[1] *Excluding HS-201 United States History I (3 cr.) and HS-202 United States History II (3 cr.). Among these requirements, at least 6 credits must be from the 300-400 level not including HS-461 Research Seminar in History (3 cr.).*

[2] *Minimum grade of "C" required for Education Courses.*

[3] *Students must complete the appropriate test requirement(s) with a passing score PRIOR to Clinical Practice.*

[4] *Please consult with your advisor regarding the required number of free electives that must be completed.*

[5] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(p. 44) courses must be completed.*

Additional Endorsements Available

- TSD - Teacher of Students with Disabilities - Secondary
- ESL - English as a Second Language - Secondary

Notes

- 54 credits must be completed at the 200 level or higher.
- Education majors are required to have an overall GPA of 3.00 for State Certification.
- By state regulation, all Education Majors seeking content area endorsement must complete 30 content credits (12+ credits at the 300+ level).

Sequence Chart

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
MA-105 Mathematical Modeling in the Social Sciences	3	HS-102 Western Civilization in World Perspective II (Gen*Ed Historical Perspectives (HS.SV))	3
HS-101 Western Civilization in World Perspective I (Gen*Ed Historical Perspectives (HS.SV))	3	ED-250 Psychological and Philosophical Foundations of Education	3

AN-103 Cultural Anthropology (Gen*Ed Social Science Survey (SS.SV))	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
FO-xxx Gen*Ed World Language	3	HS-203+ History Elective	3
Semester Credits	**15**	**Semester Credits**	**15**

Second Year

Fall	Credits	Spring	Credits
HS-201 United States History I	3	HS-202 United States History II	3
HS-xxx History Course Type HSPRE	3	HS-xxx History Course Type HSEU	3
EN-2xx Gen*Ed Literature (LIT)	3	EDS-330 Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
ED-320 Teaching Emergent Multilinguals in an Inclusive Classroom (Gen*Ed Reasoned Oral Discourse (CD) and Writing Intensive (WT))	3	PS-102 International Relations or 103	3
Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3	Free Electives	6
Semester Credits	**15**	**Semester Credits**	**18**

Third Year

Fall	Credits	Spring	Credits
EDS-336 Classroom Management	3	HS-310 Business and Economic Development of the United States or BE 200	3
GO-100 People, Places, and Environments: Introduction to Geography (Gen*Ed Cultural Diversity (CD) and Technological Literacy (TL))	3	HS-xxx History Course Type HSNW	3
HS-xxx History Course Type HSUS	3	ED-319 Content Literacy and Assessment	3
Free Electives	6	AR* selections satisfies Gen*Ed Aesthetics (AT)	3
		Free Elective	3
Semester Credits	**15**	**Semester Credits**	**15**

Fourth Year

Fall	Credits	Spring	Credits
ED-315 Digital Media and Instructional Technology Skills for Teachers	3	HS-461 Research Seminar in History	3
ED-371 Methods of Teaching Social Studies at the Secondary Level	3	ED-416 Clinical Practice	8
HS-203+ History Elective	3	ED-416S Clinical Practice Seminar	1
PR-4xx Gen*Ed Interdisciplinary Perspectives (ISP)	3		
Free Elective	3		
Semester Credits	**15**	**Semester Credits**	**12**

Total Credits 120

B.A. in History and Education with Endorsements in P-3 and Teacher of Students with Disabilities (HS.YI.BA)

Code	Title	Credits
Major Requirements/History (30 credits)		
HS-101	Western Civilization in World Perspective I	3
HS-102	Western Civilization in World Perspective II	3
(HS-101 and HS-102 satisfy Historical Perspectives (HS.SV) in General Education)		
HS-201	United States History I	3
HS-202	United States History II	3
Select 3 credits from History designated with Course Type: HSPRE		3
Select 3 credits from History designated with Course Type: HSEU		3
Select 3 credits from History designated with one of the following Course Types: HSLA (Latin America), HSNW (Non-Western), HSAF (Africa), or HSAS (Asia)		3
Select 6 additional credits in History (HS) at the 200+ level [1]		6
HS-461	Research Seminar in History	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
Major Requirements/Early Childhood (45 credits) [2]		
ED-361	Methods of Teaching Science for Elementary School	3
ED-250	Psychological and Philosophical Foundations of Education	3
EDL-280	Introduction to Early Childhood Education	3
EDL-326	Literacy Instruction in P-6 Educational Settings I	3
ED-320	Teaching Emergent Multilinguals in an Inclusive Classroom	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
EDL-333	Family Partnerships in Early Childhood Settings	3
EDS-330	Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
EDS-336	Classroom Management	3
EDS-338	Assessment Approaches, P-12	3
EDS-342	Instructional Methods and Materials for Students with Disabilities	3
EDS-350	Individualizing Curricula and Systematic Instruction for Special Education	3
EDL-364	Early Childhood Capstone Research Seminar	3
Select 9 credits as follows: [2, 3]		
ED-416 & 416S	Clinical Practice and Clinical Practice Seminar	9
History Interdisciplinary Requirements (3 credits)		
GO-100	People, Places, and Environments: Introduction to Geography	3
Satisfies Technological Literacy (TL) and Cultural Diversity (CD) in General Education		
Education Interdisciplinary Requirements (12 credits)		
PS-102	International Relations	3
or PS-103	American National Government	
(Satisfies Social Science (SS.SV) in General Education)		
BE-200	Economics for Social Science	3
or HS-310	Business and Economic Development of the United States	
MA-203	Foundations of Elementary Mathematics I	3
MA-204	Foundations of Elementary Mathematics II	3

(MA-203 and MA-204 both satisfy Mathematics in General Education)	
Free Electives (6 credits) [4]	
Complete up to 6 free elective credits. [4]	6
General Education Requirements (24 credits) [5]	
Complete 24 credits as outlined on the General Education table. [5]	24
Total Credits	**120**

[1] *Excluding HS-201 United States History I (3 cr.) and HS-202 United States History II (3 cr.). Among these requirements, at least 6 credits must be from the 300-400 level excluding HS-461 Research Seminar in History.*

[2] *Minimum grade of "C" required for Education Courses.*

[3] *Students must complete the appropriate test requirement(s) with a passing score PRIOR to Clinical Practice.*

[4] *Please consult with your advisor regarding the required number of free electives that must be completed.*

[5] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(p. 44) courses must be completed.*

Notes

- 54 credits must be completed at the 200 level or higher.
- Education majors are required to have an overall GPA of 3.00 for State Certification.
- By state regulation, all Education Majors seeking content area endorsement must complete 30 content credits (12+ credits at the 300+ level).

Sequence Chart

First Year

Fall	Credits	Spring	Credits
HS-101 Western Civilization in World Perspective I (Gen*Ed Historical Perspectives (HS.SV)	3	HS-102 Western Civilization in World Perspective II	3
EN-101 College Composition I	3	EN-102 College Composition II	3
Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
Gen*Ed Aesthetics (AT) AR,DA,MU,TH	3	HS-203+ History Elective	3
FO-xxx Gen*Ed World Language	3	ED-250 Psychological and Philosophical Foundations of Education	3
Semester Credits	**15**	**Semester Credits**	**15**

Second Year

Fall	Credits	Spring	Credits
HS-201 United States History I	3	HS-202 United States History II	3
ED-320 Teaching Emergent Multilinguals in an Inclusive Classroom (Gen*Ed Reasoned Oral Discourse (RD) and Writing Intensive (WT)	3	HS-xxx History Course Type HSPRE	3
EDL-280 Introduction to Early Childhood Education	3	EN-2xx Gen*Ed Literature (LIT)	3
EDL-326 Literacy Instruction in P-6 Educational Settings I	3	EDS-330 Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
MA-203 Foundations of Elementary Mathematics I (Gen*Ed Mathematics)	3	EDS-338 Assessment Approaches, P-12	3
		MA-204 Foundations of Elementary Mathematics II	3
Semester Credits	**15**	**Semester Credits**	**18**

Third Year

Fall	Credits	Spring	Credits
HS-xxx History Course Type HSEU	3	HS-xxx History Course Type HSNW	3
GO-100 People, Places, and Environments: Introduction to Geography (Gen*Ed Technological Literacy (TL) and Cultural Diversity (CD)	3	BE-200 Economics for Social Science or HS 310	3
PS-102 International Relations or 103 (Gen*Ed Social Science Survey (SS.SV))	3	ED-361 Methods of Teaching Science for Elementary School	3
EDS-336 Classroom Management	3	EDL-333 Family Partnerships in Early Childhood Settings	3
EDS-350 Individualizing Curricula and Systematic Instruction for Special Education	3	Free Elective	3
Semester Credits	**15**	**Semester Credits**	**15**

Fourth Year

Fall	Credits	Spring	Credits
PR-4xx Interdisciplinary Perspectives (ISP)	3	ED-416 Clinical Practice	8
HS-203+ History Elective	3	ED-416S Clinical Practice Seminar	1
EDL-364 Early Childhood Capstone Research Seminar	3	HS-461 Research Seminar in History	3
Free Elective	3		
EDS-342 Instructional Methods and Materials for Students with Disabilities	3		
Semester Credits	**15**	**Semester Credits**	**12**

Total Credits 120

B.A. in History/Political Science Interdisciplinary (HP.BA)

Code	Title	Credits
Major Requirements/History and Political Science (36 credits)		
PS-102	International Relations	3
or PS-103	American National Government	
(Satisfies Social Science (SS.SV) in General Education)		
Select 12 credits from FOUR of the following Course Types: PSAM (American Politics), PSAL (American Legal System), PSPA (Public Policy), PSIP (International Relations), PSCG (Comparative Politics)		12
Select 3 additional credits from Political Science (PS elective)		3
Select 3 credits of pre-modern history from Course Type: HSPRE		3
Select 3 credits of non-western history from Course Types: HSNW, HSAS, HSAF, or HSLA		3
Select 3 credits of European history from Course Type: HSEU		3
Select 3 credits of U.S. history from Course Type: HSUS		3

Select 3 additional credits from history (HS) at the 200+ level		3
PS-401	Seminar in Political Science	3
or HS-461	Research Seminar in History	
Interdisciplinary Requirements (12 credits)		
PL-101	Introduction to Philosophy	3
BE-200	Economics for Social Science	3
GO-100	People, Places, and Environments: Introduction to Geography	3
(Satisfies Technological Literacy (TL) and Cultural Diversity (CD) in General Education)		
Select 3 credits from Anthropology (AN) or Sociology (SO)		3
(Satisfies Social Science (SS.SV) in General Education HS/SS option)		
Free Electives (39 credits) [1]		
Select 39 credits of free electives [1]		39
General Education Requirements (33 credits) [2]		
Complete 33 credits as outlined on the General Education table. [2]		33
Total Credits		**120**

[1] *Please consult with your advisor regarding the required number of free electives that must be completed.*

[2] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(p. 44) courses must be completed.*

Sequence Chart

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
HS-1xx (Gen*Ed Historical Perspectives (HS.SV)	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
MA-xxx (Gen*Ed Mathematics)	3	PS-102 International Relations or 103	3
Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3	PL-101 Introduction to Philosophy	3
FO-xxx Gen*Ed World Language	3	Free Elective	3
Semester Credits	**15**	**Semester Credits**	**15**

Second Year

Fall	Credits	Spring	Credits
EN-2xx (Gen*Ed English Literature (LIT)	3	Gen*Ed Aesthetics (AT) AR,DA,MU,TH	3
BE-200 Economics for Social Science	3	HS-xxx History Course Type HSPRE	3
HS-xxx History Course type HSEU	3	PS-xxx Political Science Course type PSAM	3
Free Elective	3	GO-100 People, Places, and Environments: Introduction to Geography (Satisfies Gen*Ed Cultural Diversity (CD) and Technological Literacy (TL)	3
Free Elective	3	Free Electives	3
Semester Credits	**15**	**Semester Credits**	**15**

Third Year

Fall	Credits	Spring	Credits
PS-xx Political Science Course type PSAM	3	HSxxx History Course Type HSNW	3
PS-xx Political Science Course type PSPA	3	PS-xxx Political Science Course Type PSIP or PSCG)	3
HS-xxx History Course Type HSUS	3	Free Elective (General Education Writing Intensive (WT)	3
AN or SO Social Science Elective (Gen*ED Social Science Survey (SS.SV)	3	Free Elective	3
Free Elective	3	Free Elective	3
Semester Credits	**15**	**Semester Credits**	**15**

Fourth Year

Fall	Credits	Spring	Credits
PR-xxx (Gen*Ed Interdisciplinary Perspectives (ISP)	3	PS-401 Seminar in Political Science or HS 461 (PS course satisfies Writing Intensive (WT) requirement; HS course satisfies Reasoned Oral Discourse (RD) requirement)	3
HS-203+ History Elective	3	Free Electives (Gen*Ed Writing Intensive (WT) or Reasoned Oral Discourse (RD)	3
Free Electives (Gen*Ed Experiential Education (EX)	3	Free Electives	3
Free Electives	3	Free Electives	3
Free Electives	3	Free Electives	3
Semester Credits	**15**	**Semester Credits**	**15**

Total Credits 120

Notes

- 54 credits must be completed at the 200 level or higher.

B.A. in History/Political Science Interdisciplinary and Education with Endorsements in Elementary and Teacher of Students with Disabilities (HP.EDEY.BA)

Code	Title	Credits
Major Requirements/History and Political Science (36 credits)		
PS-102	International Relations	3
or PS-103	American National Government	
Satisfies Social Science (SS.SV) in General Education)		
Select 12 credits from FOUR of the following Course Types: PSAM (American Politics), PSAL (American Legal System), PSPA (Public Policy), PSIP (International Relations), PSCG (Comparative Politics)		12
Select 3 additional credits from Political Science (PS)		3
Pre-Modern History: select 3 credits from Course Type HSPRE		3
Non-Western History: select 3 credits from Course Type: HSNW, HSAF, HSAS, or HSLA		3
European History: select 3 credits from Course Type: HSEU		3
US History: select 3 credits from Course Type HSUS		3
Select 3 additional credits of History (HS)		3
PS-401	Seminar in Political Science	3
or HS-461	Research Seminar in History	

(HS-461 satisfies Reasoned Oral Discourse (RD) requirement in general education)		
Major Requirements/Education (42 credits) [1]		
ED-250	Psychological and Philosophical Foundations of Education	3
EDS-330	Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
EDS-336	Classroom Management	3
EDL-326	Literacy Instruction in P-6 Educational Settings I	3
ED-320	Teaching Emergent Multilinguals in an Inclusive Classroom	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
EDL-327	Methods of Teaching Content Area Literacy in the Inclusive Elementary Setting: Language Arts & Social Studies	3
ED-360	Methods of Teaching Elementary Mathematics	3
ED-361	Methods of Teaching Science for Elementary School	3
EDS-338	Assessment Approaches, P-12	3
EDS-342	Instructional Methods and Materials for Students with Disabilities	3
EDS-350	Individualizing Curricula and Systematic Instruction for Special Education	3
Select 9 credits of Student Teaching as follows: [2]		
ED-416 & 416S	Clinical Practice and Clinical Practice Seminar	9
HS/PS Interdisciplinary Requirements (6 credits)		
GO-100	People, Places, and Environments: Introduction to Geography	3
Satisfies Technological Literacy (TL) and Cultural Diversity (CD) requirements in General Education)		
Select 3 credits from Anthropology (AN) or Sociology (SO) with Course Type SS.SV		3
(Satisfies Social Science (SS.SV) requirement in General Education)		
Education Interdisciplinary Requirements (6 credits)		
MA-205	Number Systems	3
MA-206	Algebraic Thinking, Probability and Statistics	3
(MA-205 and MA-206 satisfy Mathematics in General Education)		
Free Electives (3 credits) [3]		
Select up to 3 free elective credits. [3]		3
General Education Requirements (27 credits) [4]		
Complete 27 credits as outlined on the General Education table. [4]		27
Total Credits		**120**

[1] *Minimum grade of "C" required for Education Courses*

[2] *Students must complete the appropriate test requirement(s) with a passing score PRIOR to Clinical Practice*

[3] *Please consult with your advisor regarding the required number of free electives that must be completed.*

[4] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(p. 44) courses must be completed.*

Additional Endorsements Available

- P-3 Early Childhood Endorsement
- ESL - English as a Second Language - Elementary
- MID-SS - Middle School Social Studies

Notes

- 54 credits must be completed at the 200 level or higher.

Sequence Chart

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
HS-1xx History Elective (Gen*Ed Historical Perspectives HS.SV)	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3	GO-100 People, Places, and Environments: Introduction to Geography (Gen*Ed Cultural Diversity (CD) and Technological Literacy (TL))	3
FO-xxx Gen*Ed World Language	3	PS-102 International Relations or 103	3
Gen*ED Aesthetics (AT) AR,DA,MU,TH	3	ED-250 Psychological and Philosophical Foundations of Education	3
Semester Credits	**15**	**Semester Credits**	**15**

Second Year

Fall	Credits	Spring	Credits
EN-2xx Gen*Ed Literature (LIT)	3	EDS-330 Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
HS-xxx History Course Type HSPRE	3	MA-206 Algebraic Thinking, Probability and Statistics	3
ED-320 Teaching Emergent Multilinguals in an Inclusive Classroom (Gen*Ed Reasoned Oral Discourse and Writing Intensive (WT))	3	EDL-326 Literacy Instruction in P-6 Educational Settings I	3
MA-205 Number Systems	3	HS-xxx History Course Type HSEU	3
AN-xxx or SO-xxx - Gen*Ed Social Science Survey (SS.SV)	3	PS-xxx Political Science Course Type PSAM	3
		Free Elective	3
Semester Credits	**15**	**Semester Credits**	**18**

Third Year

Fall	Credits	Spring	Credits
ED-361 Methods of Teaching Science for Elementary School	3	PS-xxx Political Science Course Type PSIP or PSCG	3
EDS-336 Classroom Management	3	HS-xxx History Course Type HSNW	3
PS-xxx Political Science Course Type PSAL	3	EDS-338 Assessment Approaches, P-12	3
PS-xxx Political Science Course Type PSPA	3	EDS-350 Individualizing Curricula and Systematic Instruction for Special Education	3

HS-xxx History Course Type HSUS	3	PS-xxx Political Science Elective	3
Semester Credits	**15**	**Semester Credits**	**15**
Fourth Year			
Fall	**Credits**	**Spring**	**Credits**
EDL-327 Methods of Teaching Content Area Literacy in the Inclusive Elementary Setting: Language Arts & Social Studies	3	PS-401 Seminar in Political Science or HS 461	3
ED-360 Methods of Teaching Elementary Mathematics	3	ED-416 Clinical Practice	8
EDS-342 Instructional Methods and Materials for Students with Disabilities	3	ED-416S Clinical Practice Seminar	1
HS-203+ History Elective	3		
PR-4xx Interdisciplinary Perspectives (ISP)	3		
Semester Credits	**15**	**Semester Credits**	**12**
Total Credits 120			

- Education majors are required to have an overall GPA of 3.00 for State Certification.
- By state regulation, all Education Majors seeking content area endorsement must complete 30 content credits (12+ credits at the 300+ level).

B.A. in History/Political Science Interdisciplinary and Education with Endorsement in Secondary Education in Social Studies (HP.EDS.BA)

Code	Title	Credits
Major Requirements/History and Political Science (36 credits)		
PS-102	International Relations	3
or PS-103	American National Government	
(Satisfies Social Science (SS.SV) in General Education)		
Select 12 credits from FOUR of the following Course Types: PSAM (American Politics), PSAL (American Legal System), PSPA (Public Policy), PSIP (International Relations), PSCG (Comparative Politics)		12
Select 3 additional credits from Political Science (PS)		3
Pre-Modern History: Select 3 credits from Course Type: HSPRE		3
Non-Western History: Select 3 credits from Course Type: HSNW, HSAS, HSLA, or HSAF		3
European History: Select 3 credits from Course Type: HSEU		3
US History: Select 3 credits from Course Type: HSUS		3
Select 3 additional credits in History (HS)		3
PS-401	Seminar in Political Science	3
or HS-461	Research Seminar in History	
(HS-461 satisfies Reasoned Discourse (RD) in General Education)		
Major Requirements/Education (24 credits) [1]		
ED-250	Psychological and Philosophical Foundations of Education	3
EDS-330	Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
EDS-336	Classroom Management	3
ED-319	Content Literacy and Assessment	3
ED-320	Teaching Emergent Multilinguals in an Inclusive Classroom	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
Select 9 credits as follows: [2]		
ED-416 & 416S	Clinical Practice and Clinical Practice Seminar	9
Education Methods Requirements (6 credits) [2]		
ED-315	Digital Media and Instructional Technology Skills for Teachers	3
ED-371	Methods of Teaching Social Studies at the Secondary Level	3
HS/PS Interdisciplinary Requirements (6 credits)		
GO-100	People, Places, and Environments: Introduction to Geography	3
Satisfies Technological Literacy (TL) and Cultural Diversity (CD) in general education		
Select 3 credits from Anthropology (AN) or Sociology (SO) with Course Type SS.SV		3
Satisfies Social Science (SS.SV) requirement in general education		
Education Outside Interdisciplinary Requirements (3 credits)		
MA-105	Mathematical Modeling in the Social Sciences	3
(Satisfies Mathematics in General Education)		
Free Electives (18 credits) [3]		
Complete 18 credits of free electives. [3]		18
General Education Requirements (27 credits) [4]		
Complete 27 credits as outlined on the General Education table. [4]		27
Total Credits		**120**

1 *Minimum grade of "C" required for Education Courses*
2 *Students must complete the appropriate test requirement(s) with a passing score PRIOR to Clinical Practice.*
3 *Please consult with your advisor regarding the required number of free electives that must be completed.*
4 *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(p. 44) courses must be completed.*

Additional Endorsements Available

- ESL - English as a Second Language - Secondary
- TSD - Teacher of Students with Disabilities - Secondary

Notes

- 54 credits must be completed at the 200 level or higher.
- Education majors are required to have an overall GPA of 3.00 for State Certification.
- By state regulation, all Education Majors seeking content area endorsement must complete 30 content credits (12+ credits at the 300+ level).

Sequence Chart

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
MA-105 Mathematical Modeling in the Social Sciences (Gen*Ed Mathematics)	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
HS-1xx History Elective (Gen*Ed Historical Perspective (HS.SV)	3	PS-102 International Relations or 103	3
Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3	GO-100 People, Places, and Environments: Introduction to Geography (Gen*Ed Cultural Diversity (CD) and Technological Literacy (TL))	3
FO-xxx Gen*Ed World Language	3	ED-250 Psychological and Philosophical Foundations of Education	3
Semester Credits	**15**	**Semester Credits**	**15**

Second Year

Fall	Credits	Spring	Credits
EN-2xx Gen*Ed Literature (LIT)	3	EDS-330 Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
HS-xxx History Course Type HSPRE	3	HS-xxx History Course Type HSEU	3
ED-320 Teaching Emergent Multilinguals in an Inclusive Classroom (Gen*Ed Reasoned Oral Discourse (RD) and Writing Intensive (WT))	3	PS-xxx Political Science Course Type PSAM	3
PS-xxx Political Science Elective	3	AN-xxx or SO-xxx Gen*Ed Social Science Survey (SS.SV)	3
Free Elective	3	Gen*Ed Aesthetics (AT) AR,DA,MU,TH	3
		Free Elective	3
Semester Credits	**15**	**Semester Credits**	**18**

Third Year

Fall	Credits	Spring	Credits
EDS-336 Classroom Management	3	ED-319 Content Literacy and Assessment	3
PS-xxx Political Science Course Type PSAL	3	PS-xxx Political Science Course Type PSIP or PSCG	3
PS-xxx Political Science Course Type PSPA	3	HS-xxx History Course Type HSNW	3
HS-xxx History Course Type HSUS	3	Free Electives	6
Free Elective	3		
Semester Credits	**15**	**Semester Credits**	**15**

Fourth Year

Fall	Credits	Spring	Credits
ED-315 Digital Media and Instructional Technology Skills for Teachers	3	PS-401 Seminar in Political Science or HS 461	3
ED-371 Methods of Teaching Social Studies at the Secondary Level	3	ED-416 Clinical Practice	8
PR-4xx Gen*Ed Interdisciplinary Perspectives (ISP)	3	ED-416S Clinical Practice Seminar	1
Gen*Ed Cultural Diversity (CD) or Global Understanding (GU)	3		
Free Elective	3		
Semester Credits	**15**	**Semester Credits**	**12**

Total Credits 120

Minor in African Diaspora Studies (MIN.ADS)

Code	Title	Credits
Minor Requirements (15 credits)		
ADS-246	Introduction to African-American Studies	3
HS-295	History of Africa	3
Select Nine Credits from the following:		9
ADS-225	African World Literature	
ADS-302	African-American Seminar	
AR-367	African American Art	
ED-300	Education and Culture	
FS-308	Afro-Hispanic Literature	
HS-209	The History of African-Americans	
HS-293	The African Diaspora in the Americas	
HS-296	Cultures and Societies of Africa	
HS-297	History of West Africa	
HS-306	Jazz Age and Harlem Reniassance	
HS-308	The American Civil Rights Movement	
HS-309	Readings in African-American Intellectual History	
HS-349	Slavery in the Atlantic World	
HS-396	Colonial Africa	
HS-397	Globalization and Africa	
EN-212	Literature of Oppression	
EN-331	Twentieth Century African American Literature	
EN-421	African Diaspora Literatures	
EN-425	Postcolonial Literature	
SO-252	Race and Ethnicity	
Total Credits		**15**

Minor in Geographic Information Systems (MIN.GIS)

Code	Title	Credits
GIS-224	Introduction to Geographic Information Systems (GIS)	3
GIS-324	Spatial Data	3
GIS-325	Spatial Analysis	3
Select two of the following:		6
BY-264	Environmental Field Methods	
GO-125	Maps and Mapping	
GIS/ HLS-235	GIS Applications in Homeland Security	

GIS/ HLS-335	Advanced Geographic Information Systems and Homeland Security
GIS-336	Marine Applications of Geographic Information Systems
GIS-337	Fundamentals of Remote Sensing
GIS-400	Research Methods in GIS
GIS-489	GIS Internship
Geographic Information Systems (GIS) 400-Level Independent Study	
Total Credits	**15**

Minor in Geography (MIN.GO)

Code	Title	Credits
Requirements (15 credits)		
Select 3 credits from the following courses:		3
GO-100	People, Places, and Environments: Introduction to Geography	
GO-101	Principles of Human Geography	
GO-103	Physical Geography	
GO-125	Maps and Mapping	3
or GIS-224	Introduction to Geographic Information Systems (GIS)	
Electives		
Select 9 credits the following courses:		9
AN-268	Urbanization	
AN-275	Global Environmental Problems	
PS-332	Climate Change Adaptation and Policy	
OR, Select 6 additional credits from Geography (GO)		
AND, Select 3 credits from the following courses:		
Select 3 credits from subject GIS (excluding GIS-224)		
BY-103	Environmental Science	
BY-220	Environmental Biology and Policy	
BY-221	Introduction to Global Sustainability	
HE-340	Environmental Health Issues	
HE-360	Transcultural Health	
HLS-235	GIS Applications in Homeland Security	
HS-203	New Jersey History: A Mirror on America	
NU-207	Transcultural Health	
PS-102	International Relations	
PS-223	Introduction to Global Sustainability	
PS-315	Urban Politics	
PS-330	Environmental Policy	
PO-330	Environmental Policy	
SC-130	Climate Science for 21st Century Citizens	
SO-231	Urban Sociology	
Total Credits		**15**

Minor in History (MIN.HS)

Code	Title	Credits
Select 12 credits from History at the 200+ level		12
Select 3 credits from History at the 300+ level		3
Total Credits		**15**

Minor in Philosophy (MIN.PL)

Code	Title	Credits
Requirements (3 credits)		
PL-101	Introduction to Philosophy	3
Electives (12 credits)		
Select 6 credits in Philosophy (PL)		6
Select 6 credits from Philosophy (PL) or Relegious Studies (RS)		6
Total Credits		**15**

Minor in Philosophy and Religious Studies (MIN.PLRS)

Code	Title	Credits
Requirements (6 credits)		
PL-101	Introduction to Philosophy	3
RS-277	Comparative Religions	3
or RS-101	Introduction to Religious Studies	
Electives (9 credits)		
Select 9 credits from Philosophy (PL) or Religious studies (RS)		9
Total Credits		**15**

Minor in Public History (MIN.PHS)

Code	Title	Credits
Requirements (9 credits)		
HS-212	Introduction to Public History	3
HS-312	Oral History	3
HS-317	Museum and Archives Management Basics	3
Electives (6 credits)		
Select Two Courses from the Following List:		6
AN-107	Introduction to Archaeology	
AN-266	Historical Archaeology	
AN/GO-267	Tourism Around the World	
AN/HS-304	Monuments and Commemoration: Loss and Remembrance	
AN/HS-315	Field Research in Archaeology	
AN-377	Archaeology of African American Life	
AN-390	Archaeology Field Study	
GIS-224	Introduction to Geographic Information Systems (GIS)	
HS-314	Exploring History and Heritage Sites	
HS-489	History Internship	
Total Credits		**15**

Minor in Race and Ethnic Studies (MIN.RES)

Code	Title	Credits
SO-252	Race and Ethnicity	3
or AN-380	American Cultural Diversity	

HS-349	Slavery in the Atlantic World	3
or HS-293	The African Diaspora in the Americas	
or HS-295	History of Africa	
or HS-296	Cultures and Societies of Africa	
or HS-297	History of West Africa	
or HS-396	Colonial Africa	
or HS-397	Globalization and Africa	
Select 9 credits from 200+ level courses with course type RE		9
Total Credits		**15**

Minor in Religious Studies (MIN.RS)

Code	Title	Credits
Requirements (3 credits)		
RS/PL-277	Comparative Religions	3
or RS-101	Introduction to Religious Studies	
Electives (12 credits)		
Select 6 credits of Religious Studies (RS)		6
Select 6 credits of Religious Studies (RS) or Philosophy (PL)		6
Total Credits		**15**

Music and Theatre Arts

Chair: Joseph Rapolla, Department of Music and Theatre Arts

The Music curriculum is designed to provide specific knowledge and skills in music and a basic education in the liberal arts. Students entering the Department of Music are required to present evidence of proficiency in their major area of performance.

The Music Industry concentration is designed to prepare students for careers in the music business in areas of specialization, such as music publishing, marketing, talent acquisition, concert production, media relations, and merchandising. Students will also be required to take courses that deal with popular music history and complete an internship program.

Programs

Majors

- B.A. in Music (p. 166)
- B.A. in Music and Education with Endorsement in K-12 Education in Music (p. 167)
- B.A. in Music with a Concentration in Music Industry (p. 169)
- B.A. in Music with a Concentration in Musical Theatre (p. 170)

Minors

- Music (p. 171)
- Musical Theatre (p. 171)
- Popular Music (p. 171)
- Theatre (p. 172)

Faculty

Sheri R. Anderson, Senior Specialist Professor. B.A., William Jewel College; M.F.A., University of California, San Diego; M.A., Monmouth University. Ms. Anderson has extensive Broadway, off-Broadway, and regional experience as both a director and stage manager. To date, she has done thirteen Broadway productions, two national tours, and numerous regional and off-Broadway shows. Highlights include the Broadway productions of Phantom of the Opera, Little Me, and The Full Monty. She has been privileged to work with such theatrical legends as Neil Simon, Cy Coleman, Jerry Herman, Marvin Hamlisch, Terence McNally, John Guare, Chita Rivera, Rob Marshall, and Horton Foote, as well as Hollywood heavyweights Martin Short, John Lithgow, John Ritter, Henry Winkler, Kevin Spacey, and Madeline Kahn. She spent much of 2003 at Oxford University studying Shakespeare in performance. Fields of interest include theatre history, postcolonial drama, and musical theatre. She is a member of Actors' Equity Association and Mensa.
shanders@monmouth.edu

Jeffrey Cook, Lecturer.
Pep Band Director. B.A., M.A., University of Miami; A.B.D., University of Kentucky.
jcook@monmouth.edu

Joseph Rapolla, Specialist Professor and Chair. M.B.A., Monmouth University. A recognized music industry innovator, who built and led Award Winning Marketing departments at both Universal and Warner Music Group. Professor Rapolla has directed programs for top talent, such as Madonna, Bon Jovi, Michael Jackson, U2, and Sting, and has partnered with the world's leading entertainment and media companies. He has earned multiple Gold Records for his work. He is also a songwriter, musician, and producer. He has released three studio CD's and a film soundtrack, collaborates with top writers and artists in NYC and Nashville, and continues to perform internationally.
jrapolla@monmouth.edu

David Tripold, Professor. B.M., M.M., Westminster Choir College of Rider University; Ph.D., Drew University. Field of interest is American sacred music. He is a composer, choral director, vocal teacher, and organist. Dr. Tripold is a nationally recognized choral conductor, singer, voice teacher, organist, and liturgical scholar who oversees Monmouth University's music education degree program and directs the concert chorus and chamber choir. For over thirty years he has been engaged as a church organist and choir director and has performed as a baritone soloist and organist in the United States and Europe. His present scholarship focuses on American church music, especially pertaining to the origins of church choirs, church music collections known as tune books, and patterns and developments in contemporary American worship.
dtripold@monmouth.edu

Kenneth Womack, Professor (Graduate Faculty). B.A., Texas AM University; M.A., Texas AM University/Moscow Institute of Communication, U.S.S.R.; Ph.D., Northern Illinois University. Professional interests include the Beatles, twentieth-century British literature, and creative writing. He serves as Editor of Interdisciplinary Literary Studies: A Journal of Criticism and Theory, published by Penn State University Press, and Co-Editor of the English Association's Year's Work in English Studies, published by Oxford University Press.
kwomack@monmouth.edu

George Wurzbach, Specialist Professor. B.A., Brooklyn College, C.U.N.Y.; M.A., Hunter College C.U.N.Y. Professor Wurzbach is a multi-award-winning composer, performer, and producer. His work with the music comedy group Modern Man earned a BackStage Magazine Bistro Award and several MAC Award nominations. His recent contribution

to the album Comedians and Angels earned a 2009 Grammy Award nomination for folk music legend Tom Paxton. As a composer he recently scored theme and segment music for the PBS series Real Simple and created the sound design for the "Roaring Mountain" with composer John Deak and librettist Bill Gordh, debuted by the New York Philharmonic at Lincoln Center. During the past four theater seasons as Music Director at Monmouth University he has composed and conducted original scores that were premiered by the Music and Theatre Arts student.
gwurzbac@monmouth.edu

Courses

MU-REC Senior Recital - Music Major **Credits: None**
Term Offered: All Terms
Course Type(s): None
Senior Recital - Music Major. This is a pass/fail course.

MU-101 Music Appreciation **Credits: 3**
Term Offered: All Terms
Course Type(s): AT
Development of insights into historically significant examples of Western vocal and instrumental music.

MU-121 Fundamentals of Musicianship **Credits: 3**
Term Offered: All Terms
Course Type(s): AT
MU-121 is a prerequisite for MU-221. Students have the option to test-out of MU-121 if they pass the Music Theory I, MU-221, placement assessment. MU-121 is a course requirement for Music Majors who do not pass the Music Theory I, MU-221, placement assessment. This is a pre-music theory course designed to introduce and develop students' fundamental understanding of musical concepts, terminology, and music reading abilities. Topics of discussion include clefs, key signature, time signatures, notation, rhythm, scales, intervals, chords, and the circle of fifths. Three hours per week. Requirement for Music Majors who do not pass the Music Theory I, MU-221, placement assessment. This course cannot be used to satisfy graduation requirements.

MU-140 The Music Industry Landscape **Credits: 1**
Term Offered: All Terms
Course Type(s): AT
Students will be introduced to the modern music business ecosystem, find out how all facets of the evolving business function, and learn about the skills needed for a variety of diverse careers in the industry.

MU-142 Monmouth University Pep Band **Credits: 1**
Course Type(s): AT
The Monmouth University Pep Band is a campus-wide ensemble that is open to all students, and performs a wide array of music in varied styles. Attendance is required for all scheduled athletic events throughout the semester. Students may take this course up to eight semesters.

MU-145 Band I **Credits: 1**
Course Type(s): AT
Instrumental experience in concert and stage band combinations to improve one's musicianship; public performances on campus and in the community; two concerts a year. May be taken for as many as eight semesters.

MU-146 Band II **Credits: 1**
Term Offered: Spring Term
Course Type(s): AT
Instrumental experience in concert and stage band combinations to improve one's musicianship; public performances on campus and in the community; two concerts a year. May be taken for as many as eight semesters.

MU-147 Chorus I **Credits: 1**
Term Offered: All Terms
Course Type(s): AT
Training in choral music of various styles, in vocal technique, and in aspects of expressive performance; concert participation required. Each semester, new repertoire is advanced, making each course unique in its new content. May be taken for as many as eight semesters.

MU-148 Chorus II **Credits: 1**
Term Offered: Spring Term
Course Type(s): AT
Training in choral music of various styles, in vocal technique, and in aspects of expressive performance; concert participation required. Each semester, new repertoire is advanced, making each course unique in its new content. May be taken for as many as eight semesters.

MU-150 Introduction to Piano **Credits: 3**
Term Offered: All Terms
Course Type(s): AT
Group instruction in piano with an emphasis on developing beginning skills in keyboard technique, music reading, harmonization, and performance of repertoire. Designed for students with little or no previous musical experience.

MU-151 Group Piano I **Credits: 3**
Term Offered: All Terms
Course Type(s): AT
Group instruction in piano with an emphasis on music reading, music theory, piano technique, harmonization, improvisation, and performance of repertoire. Designed for music majors and students with some previous musical experience.

MU-152 Group Piano II **Credits: 3**
Prerequisite(s): MU-151
Term Offered: Spring Term
Course Type(s): AT
Group instruction in piano with an emphasis on more advanced music reading, music theory, piano technique, harmonization, improvisation, and performance of repertoire. Designed for students who would like to continue to develop the skills acquired in MU-151.

MU-154 Blue Hawk House Band **Credits: 1**
Term Offered: All Terms
Course Type(s): AT, HY
The Blue Hawk House Band is a pop music recording ensemble reinterpreting classic songs from seminal albums. House Band members select songs, analyze, arrange, create and record their individual parts culminating in live performances and in web-streamed music videos.

MU-156 Chamber Orchestra **Credits: 1**
Term Offered: All Terms
Course Type(s): AT
The Monmouth University Chamber Orchestra is a small orchestral ensemble of strings with woodwinds, brass, and percussion that is designed to meet the needs of the Music and Theatre Department and public performances on campus and in the community. Each semester, new repertoire is advanced, making each course unique in its new content. May be taken for as many as eight semesters.

MU-157 Chamber Choir I **Credits: 1**
Term Offered: Fall Term
Course Type(s): None
The Monmouth University Chamber Chorus is an ensemble of sixteen to twenty-four auditioned singers who wish to extend their knowledge and skills in choral arts in a challenging musical setting. The repertoire for this ensemble requires a moderate/high degree of individual musicianship and mastery of specific singing techniques and period music interpretation. The group functions as a concert-ready and portable ensemble that responds to requests for particular types of venues, such as: sporting events, concert tours as a vehicle for a wider public performance experience with regard to public relations, meaningful connections with other academic institutions, and university recruitment. Each semester, new repertoire is advanced, making each course unique in its new content. Audition is required and registration is by the instructor. This course is repeatable for credit.

MU-158 Chamber Choir II **Credits: 1**
Prerequisite(s): MU-157
Term Offered: Spring Term
Course Type(s): None
A continuation of MU-157, the Monmouth University Chamber Chorus is an ensemble of sixteen to twenty-four auditioned singers who wish to extend their knowledge and skills in choral arts in a challenging musical setting. The repertoire for this ensemble requires a moderate/high degree of individual musicianship and a mastery of specific singing techniques and period music interpretation. The group functions as a concert-ready and portable ensemble that responds to requests for particular types of venues, such as: sporting events, lecture/presentations, dedications, special events, and graduation ceremonies. Additionally, the group will undertake periodic concert tours as a vehicle for a wider, public performance experience and with regard to public relations, meaningful connections with other academic institutions, and university recruitment. Each semester, new repertoire is advanced, making each course unique in its new content. Audition is required and registration is by instructor. This course is repeatable for credit.

MU-161 Group Instrument I **Credits: 2**
Course Type(s): None
Designed to develop instrumental technique and repertoire; open to students who have some proficiency in strings, woodwinds, brass, or percussion.

MU-162 Group Instrument II **Credits: 2**
Term Offered: Spring Term
Course Type(s): None
Designed to develop instrumental technique and repertoire; open to students who have some proficiency in strings, woodwinds, brass, or percussion.

MU-163 Group Strings **Credits: 1**
Term Offered: All Terms
Course Type(s): AT
Designed especially for music education students who are required to have some proficiency in group strings to meet state certification guidelines. Open to beginners only. Non-music majors may enroll by permission of the Department of Music and Theatre Arts.

MU-164 Group Woodwinds **Credits: 1**
Term Offered: Spring Term
Course Type(s): AT
Designed especially for music education students who are required to have some proficiency in group woodwinds to meet state certification guidelines. Open to beginners only. Non-music majors may enroll by permission of the Department of Music and Theatre Arts.

MU-165 Group Brass **Credits: 1**
Term Offered: All Terms
Course Type(s): AT
Designed especially for music education students who are required to have some proficiency in group brass to meet state certification guidelines. Open to beginners only. Non-music majors may enroll by permission of the Department of Music and Theatre Arts.

MU-166 Group Percussion **Credits: 1**
Term Offered: Spring Term
Course Type(s): AT
Designed especially for music education students who are required to have some proficiency in group percussion to meet state certification guidelines. Open to beginners only. Non-music majors may enroll by permission of the Department of Music and Theatre Arts.

MU-167 Introduction to Electronic Music **Credits: 3**
Course Type(s): None
Fundamentals of electronic music acquired through lectures, recordings, and hands-on use of electronic synthesizers.

MU-170 Electronic Music Composition **Credits: 3**
Course Type(s): None
A course designed for musicians who wish to compose and record music in a soundtrack, avant- garde, or classical genre. Students will be required to use university recording facilities.

MU-171 Group Voice I **Credits: 3**
Term Offered: All Terms
Course Type(s): AT
Fundamentals of technique and performance of song literature; voice production and principles of singing, including breath control, resonance, tone quality, diction, and pronunciation. Each semester, new repertoire is advanced, making each course unique in its new content.

MU-172 Group Voice II **Credits: 3**
Term Offered: Spring Term
Course Type(s): AT
Fundamentals of technique and performance of song literature; voice production and principles of singing, including breath control, resonance, tone quality, diction, and pronunciation. Each semester, new repertoire is advanced, making each course unique in its new content.

MU-180 Applied Music: Jazz Piano **Credits: 1**
Term Offered: Spring Term
Course Type(s): None
Weekly, fifty-minute private lessons in jazz piano; may be repeated for additional credits.

MU-181 Applied Music: Bass **Credits: 1**
Term Offered: All Terms
Course Type(s): AT
Weekly, fifty-minute private lessons in bass; may be repeated for additional credits.

MU-188 Fundamentals of Guitar **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
General music skills as applied to guitar playing; students develop left- and right-hand technique; introduction to basic repertoire and history of repertoire.

MU-190 Applied Music: Percussion **Credits: 1**
Term Offered: All Terms
Course Type(s): AT
Weekly, fifty-minute private lessons in percussion; may be repeated for additional credit

MU-191 Applied Music: Voice **Credits: 1**
Term Offered: All Terms
Course Type(s): AT
Weekly, fifty-minute private lessons in voice; may be repeated for additional credit.

MU-192 Applied Music: Piano **Credits: 1**
Term Offered: All Terms
Course Type(s): AT
Weekly, fifty-minute private lessons in piano; may be repeated for additional credit.

MU-193 Applied Music: Upper Brass **Credits: 1**
Term Offered: Spring Term
Course Type(s): None
Weekly, fifty-minute private lessons in upper brass; may be repeated for additional credit.

MU-194 Applied Music: Lower Brass **Credits: 1**
Term Offered: All Terms
Course Type(s): AT
Weekly, fifty-minute private lessons in lower brass; may be repeated for additional credit.

MU-195 Applied Music: Woodwinds **Credits: 1**
Term Offered: All Terms
Course Type(s): AT
Weekly, fifty-minute private lessons in woodwinds; may be repeated for additional credit.

MU-196 Applied Music: Guitar **Credits: 1**
Term Offered: All Terms
Course Type(s): AT
Weekly, fifty-minute private lessons in guitar; may be repeated for additional credit.

MU-197 Applied Music: Strings **Credits: 1**
Term Offered: All Terms
Course Type(s): AT
Weekly, fifty-minute private lessons in strings; may be repeated for additional credit.

MU-198 Special Topics in Music (100 Level) **Credits: 1-3**
Term Offered: Spring Term
Course Type(s): None
An intensive study of a particular subject or problem in music to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

MU-199 Applied Music: Private Instruction **Credits: 1**
Term Offered: All Terms
Course Type(s): None
Private instrumental and vocal instruction. The instructor is selected by the student with the approval of the Music faculty. Students must consult the Music Department.

MU-216 From Blues to Rap: The African-American Music Tradition **Credits: 3**
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): WT
Contributions of African-Americans to American music: slave songs, spirituals, blues, rhythm and blues, soul, and rap music.

MU-217 The American Music Tradition **Credits: 3**
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): WT
A survey of American music from the colonial period to the present, including folk and ethnic music, military and parade music, war songs, Tin Pan Alley pop, Broadway show tunes, and composers, such as Stephen Foster, Woody Guthrie, and Irving Berlin.

MU-218 History and Literature of Music I **Credits: 3**
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: Fall Term
Course Type(s): WT
Survey of musical idioms and forms from Ancient Greek to the Baroque periods. Primary focus on Western music in Western culture; some time will be spent exploring the music of Asia, Africa, and South America; exploration of the great musical literature that has survived from antiquity through 1700 AD.

MU-219 History and Literature of Music II **Credits: 3**
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: Spring Term
Course Type(s): WT
Survey of musical forms and idioms from the Classical period until the present. Primary focus is to expose the student to the vast body of musical masterworks created in the modern era, as well as exploration of "world music."

MU-221 Theory I **Credits: 3**
Prerequisite(s): MU-151 or departmental approval
Term Offered: All Terms
Course Type(s): None
Basic knowledge of the procedures of harmony and melody.

MU-221L Ear Training I **Credits: 1**
Term Offered: Fall Term
Course Type(s): None
The development of sight singing, dictation, and rhythmic skills is the objective of this course. Alto and tenor clefs are introduced during the first level.

MU-222 Theory II **Credits: 3**
Prerequisite(s): MU-221 or departmental approval
Term Offered: Spring Term
Course Type(s): None
The rudiments of music writing, from the harmonization of simple melodies to the writing of more complex music. Emphasis on more advanced compositions.

MU-222L Ear Training II **Credits: 1**
Prerequisite(s): MU-221L
Term Offered: Spring Term
Course Type(s): None
The development of sight singing, dictation, and rhythmic skills is the objective of this course. Topics, skills, and abilities introduced in Ear Training I are further developed.

MU-223 Musical Cultures of the World **Credits: 3**
Course Type(s): AT, GU
Provides an introductory survey of music in selected traditions and cultures in global perspective. It explores music both as a phenomenon of sound and a phenomenon of culture. It aims to familiarize students with music sound and music structure of different peoples, to help them appreciate music in its cultural context, to guide them in listening to music on a basic analytical level, and to give them a broad global view of music as a human activity/behavior with social functions and as artistic expression. Special attention is placed on how political, economic, social, and religious factors influence musical aesthetics and notions of identity among performers and audiences-all concerns of Ethnomusicology.

MU-224 Global Popular Music **Credits: 3**
Term Offered: Spring Term
Course Type(s): AT, GU
In the age of globalization and the Internet, popular music (music produced for commercial purposes and transmitted through mass media to a large audience) is an increasingly global phenomenon and can provide a unique perspective into the social, political, and economic conditions of various cultures around the world. This course introduces students to some of the popular musics from around the world through the perspective of ethnomusicology, the study of music and culture and the ways that they intersect and influence one another. Emphasis is placed on analyzing musical innovations, trends, and movements in relation to location, culture, counter-culture, and the social/geo-political climate. In doing so, this course draws upon geographical case studies of popular music (for example, Algerian Rai, K-Pop, Bollywood, Indonesian dangdut, or the Afrobeat of Fela Kuti) to view how historical, social, and political factors have influenced their development. These issues will be explored through directed reading and listening assignments, response papers, a mix tape project, and focused class presentations and discussions.

MU-227 Introducing the Beatles! **Credits: 3**
Term Offered: Fall Term
Course Type(s): AT, HY
This course addresses the Beatles' musical career in terms of their wide-ranging cultural and artistic influence. Particular attention will be devoted to examining their songs within the context of their composition and in terms of their place (and placement) on the band's albums. In addition to investigating their biographical lives, we will discuss the Beatles' overtly literary and textual intentions, especially their various attempts at irony, parody, and satire. This course's chronological design is arranged in order to capture the band's artistic trajectory from two-track recording and the relatively primitive Please Please Me album through the sonic heights of Revolver, Sgt. Pepper's Lonely Hearts Club Band, The White Album, and Abbey Road. The thrust of this course is interpretive in nature, with the Beatles' songs and albums receiving considerable scrutiny in terms of their composition, production, and attendant musicianship. Developments in recording and instrument technology are germane to our understanding of the Beatles' evolving aesthetic, as is the bandmates' development as songwriters who eventually eschew issues associated with romance in order to address larger and more prescient subjects in their music such as loneliness, oppression, nostalgia, ethics, and redemption.

MU-240 Record Label Strategies **Credits: 1**
Prerequisite(s): MU-140 and MU-301.
Term Offered: All Terms
Course Type(s): None
Students will be introduced to a variety of skills needed in the music industry. Each student will be required to complete specific, hands-on projects in preparation for a major internship off campus.

MU-241 Advanced Record Label Strategies **Credits: 1**
Prerequisite(s): MU-140, MU-240, and MU-301
Term Offered: All Terms
Course Type(s): None
Students will be introduced to a variety of skills needed in the music industry. Each student will be required to complete a specific hands-on project as preparation for a major internship off campus. Limited to Music majors.

MU-254 Arts Administration and Concert Promotion **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
Explore in-depth arts administration and management for a major Performing Arts Center, including concert promotion, operations and fundraising.

MU-290 Rock and Roll in American Culture **Credits: 3**
Term Offered: All Terms
Course Type(s): WT
Impact of rock and roll on American culture and music history; rock genres, including rockabilly, protest rock, blues-rock, punk, heavy metal, and rock and roll as a global phenomenon.

MU-291 Jazz in America **Credits: 3**
Term Offered: Spring Term
Course Type(s): RE, WT
Musical and cultural overview of the jazz tradition in America, with special emphasis on Dixieland, swing, bop, and jazz fusion, and artists such as Louis Armstrong, Count Basie, Duke Ellington, Charlie Parker, and John Coltrane.

MU-292 Roots, Rock, Reggae **Credits: 3**
Term Offered: Spring Term
Course Type(s): RE
A survey of Jamaican reggae music from its inception to the present. The music form's political, religious, and cultural connections will also be examined, as will the major works of reggae composers, such as Bob Marley, Jimmy Cliff, and Peter Tosh.

MU-298 Special Topics in Music (200 Level) **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
An intensive study of a particular subject or problem in music to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

MU-299 Independent Study in Music **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Reading and research on a selected topic under the direction of a faculty member.

MU-301 The Business of Music **Credits: 3**
Term Offered: All Terms
Course Type(s): None
An introduction to the inner workings and business strategies of the music industry. In addition to an analysis of the recording arm of the industry, other areas such as concert production, management, media relations, and talent acquisition will also be examined.

MU-321 Music Theory III **Credits: 3**
Prerequisite(s): MU-221 and MU-222
Term Offered: Fall Term
Course Type(s): None
Music Theory III is the third semester of a sequential, two-year music theory curriculum. After a brief review of the material covered in Music Theory I (MU-221) and Advanced Theory and Harmony (MU-222), an introduction to the music materials and stylistic practices associated with nineteenth-century music is provided. Procedure will entail examining and working with melodic, rhythmic, harmonic, and structural elements found in the music being studied.

MU-322 Music Theory IV **Credits: 3**
Prerequisite(s): MU-221, MU-222, and MU-321
Term Offered: Spring Term
Course Type(s): None
Music Theory IV is the fourth semester of a sequential, two-year music theory curriculum. After a brief review of the material covered in Music Theory 1 (MU-221), Advanced Theory and Harmony (MU-222), and Music Theory III (MU-321), an introduction to the music materials, stylistic practices and the unique forms and approaches associated with twentieth-century music is provided. Procedure will entail examining and working with the melodic, rhythmic, harmonic, and structural elements found in the music being studied.

MU-326 Life and Work of Bruce Springsteen **Credits: 3**
Term Offered: Spring Term
Course Type(s): AT, HY
The course explores Bruce Springsteen's musical career in terms of his wide-ranging cultural and artistic influence. Particular attention will be devoted to examining his songs within the context of their composition and in terms of their place (and placement) on his albums. In addition to investigating his biographical life, we will discuss his overtly literary and political intentions as they evolve across the decades. This course's chronological design is arranged in order to capture Springsteen's artistic trajectory from his Greetings from Asbury Park, NJ and The Wild, The Innocent, and the E Street Shuffle albums through the creative heights of Born to Run, Darkness on the Edge of Town, The River, and Nebraska. The thrust of this course will be interpretive in nature, with Springsteen's songs and albums receiving considerable scrutiny in terms of their composition, production, and attendant musicianship. Particular attention will also be devoted to Springsteen's interactions with the music business, especially involving his management and the development of his career.

MU-327 Instrumental Arranging and Basic Orchestration **Credits: 3**
Prerequisite(s): MU-222
Term Offered: All Terms
Course Type(s): None
Practical problems of orchestration, including transposition, characteristics and limitation of various band, orchestral, keyboard, and electronic instruments; arranging for instrumental ensembles of various sizes.

MU-328 Conducting **Credits: 3**
Prerequisite(s): MU-218 and MU-151,and MU-145 and MU-146 or MU-147 and MU-148
Term Offered: All Terms
Course Type(s): None
Basic choral and instrumental conducting techniques with emphasis on the physical problems of coordination and control, as well as interpretation, rehearsal, performance, and program planning. Each student will function as an assistant to the choral/instrumental conductors.

MU-329 Conducting II **Credits: 3**
Prerequisite(s): MU-328
Term Offered: Spring Term
Course Type(s): None
A continuation of MU-328. Basic choral and instrumental conducting techniques with emphasis on the physical problems of coordination and control, as well as interpretation, rehearsal, performance, and program planning. Each student will function as an assistant to the choral/instrumental conductors.

MU-329W Workshop in the Techniques of Composing Music **Credits: 2**
Prerequisite(s): MU-222
Term Offered: Spring Term
Course Type(s): None
Explores problems in melody, rhythm, and harmony, including texture and the elements of musical form, presented in line with the needs of individual students as revealed in their original composition.

MU-331 Music for the Child **Credits: 2**
Prerequisite(s): MU-151 and MU-218
Term Offered: All Terms
Course Type(s): None
Focus on methods and materials of teaching in the elementary school (K-8): singing, rhythmic expression, listening, use of simple instruments, and correlating music with other areas of learning. It will include pedagogical strategies related to teaching linguistically diverse students, students with diverse needs, using instructional technology and using data to inform instruction. For Music majors only. Also listed as ED-331. Clinical Hours required.

MU-333 The Teaching of Music in the Secondary School **Credits: 2**
Prerequisite(s): MU-151 and MU-218
Term Offered: Spring Term
Course Type(s): None
Study and application of appropriate concepts, methods, skills, and materials for secondary-school music teachers. It will include pedagogical strategies for teaching linguistically diverse students, those with special needs using instructional technology and using data to inform instruction. For Music majors only. Clinical Hours required. Also listed as ED-333.

MU-340 Music and Music Publishing for TV, Radio, and Film **Credits: 3**
Course Type(s): None
Defines and examines the many opportunities available to the musician in the mass media, including theme composition, post scoring, jingle production, news music, production libraries, music editing, soundtrack production, on-air and cable network yearly campaigns, EFX and usage, available orchestrational sources, client relations, timings and conversations, on-air and theatrical publishing, professional societies (ASCAP, BMI, SESAC), budgeting, and union relations and affiliations.

MU-341 Songwriting I **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Designed to analyze and study the many components of songwriting, focusing on today's contemporary music featured on radio, film, and television. Various styles will be studied and developed, from rap to country music. Nashville style group writing will be used as will Writer in the Round type performances. Ability to play an instrument is recommended but not required.

MU-342 Songwriting II **Credits: 3**
Term Offered: All Terms
Course Type(s): None
A continuation of Songwriting I and will focus on final arrangements and production of songs to be presented to publishers, record labels, etc. Also covered will be how to properly present works to producers and session musicians in the form of basic lead sheets and music notation.

MU-345 Record Production **Credits: 3**
Term Offered: All Terms
Course Type(s): IM
Examines all of the aspects of record production, from choice of artist and material to the actual art of recording itself. Will meet in a fully equipped recording studio and will be co-taught by the lecturing professor and a professional sound engineer. The recording techniques to be taught will be applicable to all forms of music, including classical jazz, rock, and mass/multimedia. The student will have hands-on instruction on the use of analog and digital recording machines, sound boards, and outboard gear.

MU-353 Contemporary Rock Ensemble I **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Designed to run as a professional touring band would in preparation for a major tour and/or recording session. Covers many different genres with varying instrumentation. Taught by a seasoned road veteran with twenty years of experience in major tours/acts.

MU-354 Contemporary Rock Ensemble II **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
A continuation of Rock Ensemble I, which is designed to run as a professional touring band would in preparation for a major tour and/or recording session. It will cover many different genres with varying instrumentation. Taught by a seasoned road veteran with twenty years of experience in major tour/acts.

MU-398 Special Topics in Music (300 Level) **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
An intensive study of a particular subject or problem in music to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

MU-399 Independent Study in Music **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
An intensive study of a particular subject or problem in music to be announced prior to registration. Prior permission of the directing professor and department chair is required to take this course.

MU-401 Music Business Internship Seminar **Credits: 3**
Prerequisite(s): MU-301, departmental approval, Junior standing, and proof of internship prior to enrollment.
Term Offered: All Terms
Course Type(s): EX5
Practical experience in the music industry in fields such as concert production, promotion, publicity, music publishing, and management. This course is repeatable for credit.

MU-402 Music Internship Seminar II **Credits: 3**
Prerequisite(s): MU-401
Term Offered: All Terms
Course Type(s): EX5
Practical experience in the music industry in fields such as concert production, promotion, publicity, music publishing, and management. Limited to Music majors only.

MU-403 Music Internship Seminar III **Credits: 3**
Prerequisite(s): MU-402
Term Offered: Spring Term
Course Type(s): EX5
Practical experience in the music industry in fields such as concert production, promotion, publicity, music publishing, and management. Limited to Music majors only.

MU-405 Composition **Credits: 3**
Prerequisite(s): MU-218, MU-219, MU-221, and MU-222
Term Offered: Spring Term
Course Type(s): None
Using the technique of Replicate-Generate From-Generate, this course combines the student's knowledge of traditional styles, form, and analysis in order to replicate music in many styles. The student will then begin to combine his or her own musical ideas into these compositions. The second half of the semester will be devoted to the original compositions of the student while employing the disciplines previously studied. Classical as well as contemporary motifs will be explored in this lecture-discussion-workshop course.

MU-406 Composition II **Credits: 3**
Prerequisite(s): MU-405
Course Type(s): None
Using the technique of Replicate-Generate From- Generate, this course combines the student's knowledge of traditional styles, form, and analysis in order to replicate music in many styles. The student will then begin to combine his or her own musical ideas into these compositions. The second half of the semester will be devoted to the original composition of the student while employing the disciplines previously studied. Classical as well as contemporary motifs will be explored in this lecture-discussion-workshop course.

MU-453 Advanced Record Production **Credits: 3**
Prerequisite(s): MU-345
Term Offered: All Terms
Course Type(s): None
Addresses the aesthetics of record production. Studio techniques, pre-production approaches, actual recording and final mixing are at the heart of this course. Students will learn microphone techniques as well as control room techniques. The full responsibilities of the producer will be taught and discussed in the class, as well as practiced outside of the studio/classroom. Lectures and demonstrations will precede the students' practical application and final product.

MU-489 Internship in Music **Credits: 1-3**
Term Offered: All Terms
Course Type(s): EX1
Supervised practical experience in music; repeatable for credit. Departmental approval and Junior standing are required to register for this course.

MU-498 Special Topics in Music (400 Level) **Credits: 1-3**
Term Offered: Spring Term
Course Type(s): None
An intensive study of a particular subject or problem in music to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

MU-499 Independent Study in Music **Credits: 1-3**
Term Offered: Spring Term
Course Type(s): None
Reading and research on a selected topic under the direction of a Music Department faculty member. Prior permission of the directing professor and department chair is required to take this course.

TH-101 Theatre Appreciation **Credits: 3**
Term Offered: All Terms
Course Type(s): AT
Introduction to the elements of theatre, including film and TV as theatre media. Study of plays from script to stage through readings, lectures, and theatre-going experiences.

TH-150 Introduction to the Theatre **Credits: 3**
Course Type(s): AT
Introduction to the elements of theatre, including cinema and television as theatre media; the study of a representative group of plays from script to stage.

TH-154 Acting I (Non-Major) **Credits: 3**
Term Offered: All Terms
Course Type(s): AT
An introduction to acting the dramatic situation through guided improvisation based on material from dramatic literature.

TH-155 Acting I (TH Major) **Credits: 3**
Course Type(s): None
Designed to enable students to explore the use of their imagination, instrument, and sense of playing to work within an ensemble. Basic skills, such as playing with intuition and listening and responding openly to a partner within given circumstances, will be the primary goals.

TH-156 Acting II (TH Major) **Credits: 3**
Prerequisite(s): TH-155
Term Offered: Spring Term
Course Type(s): None
Builds from the previous exercise work with working on assigned scenes. Work will begin on open scenes and finish the term working on a scene from important plays of American theatre. Students will study the breakdown of a scene, structure, both verbal and non-verbal, and effective communication of intent.

TH-190 Applied Theatre Techniques I **Credits: 1**
Term Offered: All Terms
Course Type(s): AT
First-year students are required to take this hands-on, practical course in building, painting, and crewing a department production.

TH-191 Applied Theatre Techniques II **Credits: 1**
Term Offered: All Terms
Course Type(s): AT
Second semester in Applied Theatre requires students to take a more responsible position in the hands-on practical building, painting, and crewing of a department production.

TH-199 Independent Study in Theatre **Credits: 1-3**
Course Type(s): None
Directed individual study of theatre in areas of special interest. Prior permission of the directing professor and department chair is required to take this course.

TH-230 Acting II (non-Major) **Credits: 3**
Prerequisite(s): TH-154
Term Offered: Spring Term
Course Type(s): None
Roles as an integral part of play production; the basic principles of acting through lectures, discussions, and the rehearsal and performance of a variety of scenes.

TH-231 Acting III (Major) **Credits: 3**
Prerequisite(s): TH-155 and TH-156
Course Type(s): None
Study of "styles". Beginning work on classic texts, such as Shakespeare, Moliere, or Restoration Comedy. Text analysis, scansion, and speaking with authority will be emphasized. Text work in sonnets and scenes.

TH-232 Acting IV (Major) **Credits: 3**
Prerequisite(s): TH-155, TH-156, and TH-231
Term Offered: Spring Term
Course Type(s): None
The fourth semester will be an extension of styles of work. Advanced work in characterization, the development of physical and emotional involvement, and working with objectives, obstacles, and actions, with emphasis on classic "styles".

TH-240 Actors' Equity Workshop I **Credits: 3**
Term Offered: Summer Term
Course Type(s): None
An introduction to the basic rules and regulations of Actors' Equity Association's Small Professional Theatre Agreement and to basic stage management principles. Lectures will be supplemented with extensive, practical "lab" hours in which the students put into practice in a professional setting those elements learned in the class.

TH-242 Introduction to Improvisation **Credits: 3**
Term Offered: Fall Term
Course Type(s): AT
An introduction to Improvisational Acting/Performance. No prior experience in theatre is required. Acting training and stage performance is a plus. Students should be prepared to go through a series of exercises that are designed to teach and hone the ability to perform an improvisational performance.

TH-245 Theatre Performance Practicum I **Credits: 1**
Term Offered: All Terms
Course Type(s): None
Involves actual experience performing in a University production. Credit can be specified for a student's acting, singing, and/or dancing in a department-sponsored production. The Performance Practicum can be taken in any combination simultaneously or consecutively for a total of three credits toward the Musical Theatre Concentration, Theatre Minor, or Musical Theatre Minor. Any credits for Practicum courses beyond that go towards free electives. This course is repeatable for credit.

TH-246 Theatre Performance Practicum II **Credits: 1**
Term Offered: All Terms
Course Type(s): None
Involves actual experience performing in a University production. Credit can be specified for a student's acting, singing, and/or dancing in a department-sponsored production. The Performance Practicum can be taken in any combination simultaneously or consecutively for a total of three credits towards the Theatre or Musical Theatre Minor. Any credits for Practicum courses beyond that go towards free electives. This course is repeatable for credit.

TH-247 Theatre Performance Practicum III **Credits: 1**
Term Offered: All Terms
Course Type(s): None
Involves actual experience performing in a University production. Credit can be specified for a student's acting, singing, and/or dancing in a department-sponsored production. The Performance Practicum can be taken in any combination simultaneously or consecutively for a total of three credits towards the Theatre or Musical Theatre Minor. Any credits for Practicum courses beyond that go towards free electives. This course is repeatable for credit.

TH-251 Introduction to Theatre Production and Design **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Introduction to scenic, costume, lighting, and sound design and technology, including: the problems involved in executing the technical aspects of a theatrical production; preparation of working drawings, light plots, scale models; ability to hang, focus, and program theatrical lighting; solutions of make-up and costuming problems.

TH-290 Applied Theatre Design **Credits: 1**
Prerequisite(s): TH-190 and TH-191
Term Offered: All Terms
Course Type(s): AT
Students will work intensely with a designer for a department production. Student will be responsible for the design and construction of one facet of a total design: namely, a prop, a costume, lights, or some integral part of a production design.

TH-291 Applied Theatre Management **Credits: 1**
Prerequisite(s): TH-190 and TH-191
Term Offered: All Terms
Course Type(s): AT
Students will work intensely with a management office concerning a department production. Students will be involved with hands-on production of publicity, company management, box office, public relations, casting, historical records, and/or dramaturgy.

TH-298 Special Topics in Theatre (200 Level) **Credits: 1-3**
Term Offered: Spring Term
Course Type(s): None
An intensive study of a particular subject or problem in theatre to be announced prior to registration. If there is a prerequisite for this course it will be announced in the course schedule.

TH-299 Independent Study in Theatre **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
Directed, individual study of theatre in areas of special interest. Prior permission of the directing professor and department chair is required to take this course.

TH-301 Theatre History I **Credits: 3**
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: Spring Term
Course Type(s): WT
The development of theatre from the Classical Greek through the Elizabethan period. Examination of plays, playwrights, architecture, scenery, costumes, mechanics, technology, historical, and sociological influences.

TH-310 Musical Theatre History **Credits: 3**
Term Offered: All Terms
Course Type(s): AT
The Broadway musical is considered by many to be America's greatest contribution to the world of theatre. Examines the history and evolution of American musical theatre. Special attention will be paid to composers, lyricists, directors, choreographers, and performers who have made significant contributions to the genre. Material will be discussed chronologically from minstrelsy to the contemporary mega-musical.

TH-335 Group Techniques in Performance **Credits: 3**
Term Offered: Spring Term
Course Type(s): COACM, COCSD
Various theories and techniques used in group performances with a concentration on Readers Theatre and Chamber Theatre; selected literature is arranged, analyzed, and performed. Also listed as CO-335.

TH-340 Actors' Equity Workshop II **Credits: 3**
Prerequisite(s): TH-240
Term Offered: Summer Term
Course Type(s): None
Builds upon the basic knowledge gained in TH-240 through the in-depth study of Actors' Equity Association's two most widely used contracts, the LORT (League of Resident Theatres) and Production (Broadway, Off-Broadway, National Tour) agreements. Lectures will be supplemented with extensive, practical "lab" hours in which the students put into practice in a professional setting those elements learned in the class.

TH-342 Improvisation II **Credits: 3**
Prerequisite(s): TH-242
Term Offered: Spring Term
Course Type(s): None
A continuation of exercises in Improvisational Acting/Performance. No prior experience in theatre is required, however students should take Introduction to Improvisation first. Acting training and stage performance is a plus. Students should be prepared to go through a series of exercises that are designed to teach and hone the ability to perform an improvisational performance.

TH-349 Postcolonial Drama and Film **Credits: 3**
Term Offered: All Terms
Course Type(s): BI.EL, GU, RE
Study of postcolonial plays and films from Ireland, Australia, Africa, and India, including such postcolonial themes as language, religion, and race. Students will discuss the ways in which the theatrical and cinematic media are used to express the loss of, and quest for, national and individual identity in the aftermath of empire. The students will not only become versed in postcolonial theory, but also in the individual dramatic styles/structures of each of the nations discussed.

TH-355 Dramatic Literature **Credits: 3**
Prerequisite(s): TH-150
Course Type(s): None
Analysis of representative plays of the major forms of the drama-tragedy, comedy, tragicomedy, and romance. Emphasis on the literary and performance aspects.

TH-357 Acting for Television **Credits: 3**
Prerequisite(s): TH-154
Term Offered: Spring Term
Course Type(s): None
Techniques that the on-camera performer uses in various TV situations, commercials, daytime drama, situation comedy, and serious drama. Also listed as CO-357.

TH-361 Play Direction **Credits: 3**
Prerequisite(s): TH-230
Term Offered: Spring Term
Course Type(s): None
Play analysis, casting procedures, composition, movement, stage business, backstage organization, rehearsal routine, and theatre management from the standpoint of the creative director.

TH-389 Internship in Theatre **Credits: 1-3**
Term Offered: All Terms
Course Type(s): EX1
Supervised practical experience in theatre; repeatable for credit. Departmental approval and Junior standing are required to take this course.

TH-390 Applied Theatre Techniques III **Credits: 1**
Term Offered: All Terms
Course Type(s): AT
Students will work hands-on with an appropriate faculty member on an advanced project in theatre, musical theatre, or music production. An alternative possibility would be to do a pre-internship assignment with a local theatre.

TH-391 Applied Theatre **Credits: 1**
Prerequisite(s): TH-190, TH-191, and either TH-290, TH-291, or TH-390
Term Offered: All Terms
Course Type(s): AT
Students will work hands on with an appropriate faculty member on an advanced project in theatre, musical theatre, or music production. An alternative possibility would be to do a pre-internship assignment with a local theatre.

TH-398 Special Topics in Theatre (300 Level) **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
An intensive study of a particular subject or problem in theatre to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

TH-399 Independent Study in Theatre **Credits: 3**
Course Type(s): None
Directed individual study of theatre in areas of special interest. Prior permission of the directing professor and department chair is required to take this course.

TH-401 Theatre History II **Credits: 3**
Prerequisite(s): TH-301 and EN-101 and EN-102
Term Offered: Spring Term
Course Type(s): WT
The development of theatre from the Restoration through the Modern Period. Examination of plays, playwrights, architecture, scenery, costumes, mechanics, technology, historical, and sociological inferences.

TH-441 Summer Theatre Workshop I **Credits: 3**
Course Type(s): None
Basic technical theatre, theatre management, elements of acting, children's theatre, costuming and make-up, lighting and set design; four dramatic productions.

TH-442 Summer Theatre Workshop II **Credits: 3**
Course Type(s): None
Basic technical theatre, theatre management, elements of acting, children's theatre, costuming and make-up, lighting and set design; four dramatic productions.

TH-453 Creative Dramatics **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
The goal of Creative Dramatics is to equip teachers with the ability to use creative dramatics, creative play, and theatre games in the classroom as a tool for teaching all subjects. Also useful for actors and recreation or community leaders who work with children and want to learn new and creative techniques. The emphasis in this class is on the participant and participation. Students should attend comfortably dressed.

TH-480 Problems in Theatre Practice **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Independent projects and intensive research under the guidance of one or more members of the department; creative work in acting, costuming, creative dramatics, directing, lighting, scenic design, and playwriting.

TH-498 Special Topics in Theatre (400 Level) **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
An intensive study of a particular subject or problem in theatre to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

TH-499 Independent Study in Theatre **Credits: 1-3**
Course Type(s): None
Directed individual study of theatre in areas of special interest. Prior permission of the directing professor and department chair is required to take this course.

B.A. in Music (MU.BA)

Code	Title	Credits
Major Requirements/Music (44 credits)		
MU-151	Group Piano I	3
MU-171	Group Voice I	3
or MU-327	Instrumental Arranging and Basic Orchestration	
MU-217	The American Music Tradition	3
MU-218	History and Literature of Music I	3
MU-219	History and Literature of Music II	3
MU-221	Theory I	3
MU-221L	Ear Training I	1
MU-222	Theory II	3
MU-222L	Ear Training II	1
MU-321	Music Theory III	3
MU-322	Music Theory IV	3
MU-328	Conducting [1]	3
Select 6 semesters of Applied Music (Private Instruction) from the following: [2]		6

MU-180 thru MU-199		
Select 6 semesters of the following:		6
MU-142	Monmouth University Pep Band	
MU-147	Chorus I	
MU-148	Chorus II	
MU-154	Blue Hawk House Band	
MU-157	Chamber Choir I	
MU-158	Chamber Choir II	
MU-156	Chamber Orchestra	
(Any music course in major requirements satisfies Aesthetics (AT) General Education requirement)		
MU-REC	Senior Recital - Music Major (Required)	0
Free Electives (34 credits) [3]		
Select up to 34 credits of free electives [3]		34
General Education Requirements (42 credits) [4]		
Complete 42 credits as outlined on the General Education table. [4]		42
Total Credits		**120**

[1] *Only required for MU/ED majors must also complete MU-329 Conducting II (3 cr.). See Education Methods Requirements.*

[2] *Combinations of instruction must be approved by an advisor*

[3] *Please consult with your advisor regarding the required number of free electives that must be completed.*

[4] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(p. 44) courses must be completed.*

Notes

- 54 credits must be completed at the 200 level or higher.

Sequence Chart

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
MU-221 Theory I	3	MU-222 Theory II	3
MU-221L Ear Training I	1	MU-222L Ear Training II	1
MU-151 Group Piano I (Gen*Ed Aesthetics (AT) AR,DA,MU,TH)	3	Private Instruction MU-180-MU-199	1
Gen*Ed Social Science Survey (SS.SV)	3	CHORUS/CHOIR/CHAMBER ORCHESTRA	1
FO-xxx Gen*Ed World Language	3	Gen*Ed Technological Literacy (TL)	3
CHORUS/CHOIR/CHAMBER ORCHESTRA	1	Gen*Ed Historical Perspectives (HS.SV) or Social Science Survey (SS.SV)	3
Semester Credits	**17**	**Semester Credits**	**15**

Second Year

Fall	Credits	Spring	Credits
EN-2xx Gen*Ed Literature (LIT)	3	MU-217 The American Music Tradition	3
MU-321 Music Theory III	3	MU-322 Music Theory IV	3
Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3	MU-180-MU-199 Private Instruction	1
Gen*Ed Mathematics	3	CHORUS/CHOIR/CHAMBER ORCHESTRA	1
CHORUS/CHOIR/CHAMBER ORCHESTRA	1	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
MU-180-MU-199 Private Instruction	1	Gen*Ed Cultural Diversity (CD) or Global Understanding (GU)	3
Semester Credits	**14**	**Semester Credits**	**14**

Third Year

Fall	Credits	Spring	Credits
MU-218 History and Literature of Music I	3	MU-219 History and Literature of Music II (Gen*Ed Writing Intensive (WT)	3
Gen*Ed Historical Perspectives (HS.SV)	3	CHORUS/CHOIR/CHAMBER ORCHESTRA	1
CHORUS/CHOIR/CHAMBER ORCHESTRA	1	MU-180-MU-199 Private Instruction	1
MU-180-MU-199 Private Instruction	1	Free Elective	3
Gen*Ed Reasoned Oral Discourse (RD)	3	Free Elective	3
Free Elective	4	Free Electives	4
Semester Credits	**15**	**Semester Credits**	**15**

Fourth Year

Fall	Credits	Spring	Credits
MU-171 Group Voice I or 327	3	MU-REC Senior Recital - Music Major	0
MU-328 Conducting	3	Free Elective	3
MU-180-MU-199 Private Instruction	1	Free Elective	3
PR-4xx Gen*Ed Interdisciplinary Studies (ISP)	3	Free Elective	3
Free Elective	3	Free Elective	3
Free Elective	2	Free Elective	3
Semester Credits	**15**	**Semester Credits**	**15**

Total Credits 120

B.A. in Music and Education with Endorsement in K-12 Education in Music (MU.EDS.BA)

Code	Title	Credits
Major Requirements/Music (43 credits)		
MU-151	Group Piano I	3
MU-171	Group Voice I	3
or MU-327	Instrumental Arranging and Basic Orchestration	
MU-217	The American Music Tradition	3
MU-218	History and Literature of Music I	3
MU-219	History and Literature of Music II	3
MU-221	Theory I	3
MU-221L	Ear Training I	1
MU-222	Theory II	3
MU-222L	Ear Training II	1
MU-321	Music Theory III	3
MU-322	Music Theory IV	3
MU-328	Conducting [1]	3
(Music courses satisfies Aesthetics (AT) in General Education)		
Select 5 semesters of Applied Music (Private Instruction) from the following: [2]		5
MU-180 thru MU-199		
Select 6 semesters of the following:		6
MU-142	Monmouth University Pep Band	

MU-147	Chorus I	
MU-148	Chorus II	
MU-154	Blue Hawk House Band	
MU-156	Chamber Orchestra	
MU-157	Chamber Choir I	
MU-158	Chamber Choir II	
MU-REC	Senior Recital - Music Major	0
Major Requirements/Education (24 credits) [3]		
ED-250	Psychological and Philosophical Foundations of Education	3
EDS-330	Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
EDS-336	Classroom Management	3
ED-319	Content Literacy and Assessment	3
ED-320	Teaching Emergent Multilinguals in an Inclusive Classroom	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
Select 9 credits as follows: [4]		
ED-416 & 416S	Clinical Practice and Clinical Practice Seminar	9
Education Interdisciplinary Requirements (3 credits)		
MA-100	Quantitative Reasoning and Problem Solving	3
or MA-205	Number Systems	
(Satisfies Mathematics in General Education)		
Education Methods Requirements (14 credits)		
MU-163	Group Strings	1
MU-164	Group Woodwinds	1
MU-165	Group Brass	1
MU-166	Group Percussion	1
MU-329	Conducting II	3
ED-331	Music for the Child	2
ED-333	The Teaching of Music in the Secondary School	2
ED-377	Integrated K-12 Teaching Methods	3
Free Electives (0 credits) [5]		
The number of free electives, if any, will be determined in consultation with your advisor [5]		0
General Education Requirements (36 credits) [6]		
Complete 36 credits as outlined on the General Education table. [6]		36
Total Credits		**120**

1 *MU-329 Conducting II (3 cr.) required for MU/ED majors. See Education Methods Requirements*
2 *Combinations of instruction must be approved by an advisor*
3 *Minimum grade of "C" required for Education Courses*
4 *Students must complete the appropriate test requirement(s) with a passing score PRIOR to Clinical Practice.*
5 *Please consult with your advisor regarding the required number of free electives that must be completed.*
6 *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(p. 44) courses must be completed.*

Additional Endorsements Available

- ESL - English as a Second Language - Secondary
- TSD - Teacher of Students with Disabilities - Secondary

Notes

- 54 credits must be completed at the 200 level or higher.
- Education majors are required to have an overall GPA of 3.00 for State Certification.
- By state regulation, all Education Majors seeking content area endorsement must complete 30 content credits (12+ credits at the 300+ level).

Sequence Chart

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
MU-151 Group Piano I (Gen*Ed Aesthtics (AT) AR,DA,MU,TH)	3	MU-222 Theory II	3
MU-221 Theory I	3	MU-222L Ear Training II	1
MU-221L Ear Training I	1	ED-250 Psychological and Philosophical Foundations of Education	3
FO-xxx Gen*Ed World Language	3	Gen*Ed Cultural Diverstiy (CD) or Global Understanding (GU)	3
Gen*Ed Social Science Survey (SS.SV)	3	Gen*Ed Historical Perspectives (HS.SV) or Social Science Survey (SS.SV)	3
CHORUS/CHOIR/CHAMBER ORCHESTRA	1	CHORUS/CHOIR/CHAMBER ORCHESTRA	1
		MU-180-MU-199 Private Instruction	1
Semester Credits	**17**	**Semester Credits**	**18**

Second Year

Fall	Credits	Spring	Credits
EN-2xx Gen*Ed Literature (LIT)	3	MU-322 Music Theory IV	3
ED-320 Teaching Emergent Multilinguals in an Inclusive Classroom (Gen*Ed Reasoned Oral Discourse (RD) and Writing Intensive (WT)	3	MU-164 Group Woodwinds	1
MU-163 Group Strings	1	ED-331 Music for the Child	2
MU-321 Music Theory III	3	EDS-330 Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
Gen*Ed Historical Perspectives (HS.SV)	3	CHORUS/CHOIR/CHAMBER ORCHESTRA	1
CHORUS/CHOIR/CHAMBER ORCHESTRA	1	MU-180-MU-199 Private Instruction	1
MU-180-MU-199 Private Instruction	1	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
Semester Credits	**15**	**Semester Credits**	**14**

Third Year

Fall	Credits	Spring	Credits
ED-333 The Teaching of Music in the Secondary School	2	ED-319 Content Literacy and Assessment	3
EDS-336 Classroom Management	3	MU-166 Group Percussion	1
MU-165 Group Brass	1	MU-219 History and Literature of Music II (Gen*Ed Writing Intensive (WT)	3

MU-218 History and Literature of Music I (Gen*Ed Writing Intensvie (WT)	3	CHORUS/CHOIR/CHAMBER ORCHESTRA	1
MU-328 Conducting	3	MU-180-MU-199 Private Instruction	1
CHORUS/CHOIR/CHAMBER ORCHESTRA	1	Gen*Ed Technological Literacy (TL)	3
MU-180-MU-199 Private Instruction	1	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
Semester Credits	**14**	**Semester Credits**	**15**

Fourth Year

Fall	Credits	Spring	Credits
ED-377 Integrated K-12 Teaching Methods	3	ED-416 Clinical Practice (Gen*Ed Experiential Education (ExEd)	8
MU-171 Group Voice I or 327	3	ED-416S Clinical Practice Seminar	1
MU-217 The American Music Tradition	3	MU-329 Conducting II	3
MA-100 Quantitative Reasoning and Problem Solving or 205 (Gen*Ed Mathematics)	3		
Gen*Ed Interdisciplinary Perspectives (ISP)	3		
Semester Credits	**15**	**Semester Credits**	**12**

Total Credits 120

B.A. in Music with a Concentration in Music Industry (MU.MI.BA)

Code	Title	Credits
Major Requirements/Music Industry (22 credits)		
MU-151	Group Piano I	3
MU-217	The American Music Tradition	3
MU-218	History and Literature of Music I	3
or MU-219	History and Literature of Music II	
MU-221	Theory I	3
MU-222	Theory II	3
Select 4 semesters of the following:		4
MU-142	Monmouth University Pep Band	
MU-147	Chorus I	
MU-148	Chorus II	
MU-154	Blue Hawk House Band	
MU-156	Chamber Orchestra	
MU-157	Chamber Choir I	
MU-158	Chamber Choir II	
MU-301	The Business of Music	3
(Any music course in major requirements satisfies Aesthetics (AT) in General Education)		
Music Industry Concentration Requirements (18 credits)		
MU-140	The Music Industry Landscape	1
MU-240	Record Label Strategies	1
MU-241	Advanced Record Label Strategies	1
MU-254	Arts Administration and Concert Promotion	3
Select 6 credits from the following:		6
MU-341	Songwriting I	
MU-342	Songwriting II	
MU-345	Record Production	
MU-353	Contemporary Rock Ensemble I	
MU-453	Advanced Record Production	
Select 3 credits from the following:		3
MU-216	From Blues to Rap: The African-American Music Tradition	
MU-290	Rock and Roll in American Culture	
MU-291	Jazz in America	
MU-401	Music Business Internship Seminar	3
Interdisciplinary Requirements (18 credits)		
PS/CO-290	Media Law	3
CO-155	Media Literacy	3
BA-200	Survey of Accounting	3
BM-250	Principles of Management and Organizational Behavior	3
BK-250	Principles of Marketing	3
BM-451	Entrepreneurship	3
Free Electives (20 credits) [1]		
Select up to 20 credits of free electives [1]		20
General Education Requirements (42 credits) [2]		
Complete 42 credits as outlined on the General Education table. [2]		42
Total Credits		**120**

[1] *Please consult with your advisor regarding the required number of free electives that must be completed.*

[2] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(p. 44) courses must be completed.*

Notes

- 54 credits must be completed at the 200 level or higher.

Sequence Chart

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
MU-140 The Music Industry Landscape	1	MU-301 The Business of Music	3
MU-151 Group Piano I (Gen*Ed Aesthetics (AT) AR,DA,MU,TH)	3	CO-155 Media Literacy	3
FO-xxx Gen*Ed World Language	3	Chorus/Choir/Chamber Orchestra	1
Gen*Ed Historical Perspectives (HS.SV)	3	Gen*Ed Historical Perspectives (HS.SV) or Social Science Survey (SS.SV)	3
Gen*Ed Social Science Survey (SS.SV)	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
Chorus/Choir/Chamber Orchestra	1		
Semester Credits	**17**	**Semester Credits**	**16**

Second Year

Fall	Credits	Spring	Credits
EN-2xx Gen*Ed Literature	3	MU-241 Advanced Record Label Strategies	1
Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3	MU-217 The American Music Tradition	3
MU-221 Theory I	3	MU-222 Theory II	3
MU-240 Record Label Strategies	1	MU-216, MU-290 or MU-291	3
Chorus/Choir/Chamber Orchestra	1	Chorus/Choir/Chamber Orchestra	1

MA-xxx Gen*Ed Mathematics	3	Gen*Ed Technological Literacy (TL)	3
Semester Credits	**14**	**Semester Credits**	**14**

Third Year

Fall	Credits	Spring	Credits
BA-200 Survey of Accounting	3	BK-250 Principles of Marketing	3
BM-250 Principles of Management and Organizational Behavior	3	MU-219 History and Literature of Music II (Gen*Ed Writing Intensive (WT)	3
PS-290 Media Law or CO 290	3	MU-xxx Music Guided Elective	3
Gen*Ed Cultural Diversity (CD) or Global Understanding (GU)	3	MU-2xx 200-Level Music Elective	3
Gen*Ed Reasoned Oral Discourse (RD)	3	Free Elective	3
Semester Credits	**15**	**Semester Credits**	**15**

Fourth Year

Fall	Credits	Spring	Credits
MU-401 Music Business Internship Seminar (Gen*Ed Experiential Education (ExEd))	3	BM-451 Entrepreneurship	3
MU-xxx Music Guided Elective	3	Free Electives	6
PR-4xx Gen*Ed Interdisciplinary Perspectives (ISP)	3	Free Electives	5
Free Electives	6		
Semester Credits	**15**	**Semester Credits**	**14**

Total Credits 120

B.A. in Music with a Concentration in Musical Theatre (MU.MT.BA)

Code	Title	Credits
Major Requirements/Music (28 credits)		
MU-151	Group Piano I	3
MU-218	History and Literature of Music I	3
MU-219	History and Literature of Music II	3
MU-221	Theory I	3
MU-221L	Ear Training I	1
MU-222	Theory II	3
MU-222L	Ear Training II	1
MU-489	Internship in Music	3
or TH-389	Internship in Theatre	
Take 4 Credits from courses MU-180 through MU-199 [1]		4
Select 4 semesters of the following:		4
MU-142	Monmouth University Pep Band	
MU-147	Chorus I	
MU-148	Chorus II	
MU-154	Blue Hawk House Band	
MU-156	Chamber Orchestra	
MU-157	Chamber Choir I	
MU-158	Chamber Choir II	
(Music courses satisfy Aesthetics (AT) in General Education)		
Musical Theatre Concentation (22 credits)		
TH-155	Acting I (TH Major)	3
TH-156	Acting II (TH Major)	3
or TH-357	Acting for Television	
TH-310	Musical Theatre History	3
TH-245	Theatre Performance Practicum I	1
Select 6 credits from the following courses:		6
TH-240	Actors' Equity Workshop I	
TH-340	Actors' Equity Workshop II	
TH-251	Introduction to Theatre Production and Design	
TH-190	Applied Theatre Techniques I	
TH-191	Applied Theatre Techniques II	
TH-390	Applied Theatre Techniques III	
TH-441	Summer Theatre Workshop I	
Select 6 credits from the following:		6
DA-151	Movement for the Performer	
DA-207	Modern Ballet I	
DA-209	Jazz Dance I	
DA-301	Choreography	
Free Electives (28 credits) [2]		
Select up to 28 credits of free electives [2]		28
General Education Requirements (42 credits) [3]		
Complete 42 credits of free electives as outlined on the General Education table. [3]		42
Total Credits		**120**

[1] *Combinations of instruction must be approved by an advisor.*

[2] *Please consult with your advisor regarding the required number of free electives that must be completed.*

[3] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(p. 44) courses must be completed.*

Notes

- 54 credits must be completed at the 200 level or higher.

Sequence Chart

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
MU-151 Group Piano I	3	Gen*Ed Historical Perspectives (HS.SV) or Social Science Survey (SS.SV)	3
HS-xxx Gen*Ed Historical Perspectives (HS.SV)	3	Music: Chorus/Choir/Chamber Orchestra	1
Music: Chorus/Chior/Chamber Orch	1	Dance Course: See curriculum chart for choices	3
Gen*Ed Social Science Survey (SS.SV)	3	Gen*Ed Natural Science (NS) BY, CE, PH, GL, SC	3
Gen*Ed Technological Literacy (TL)	3	MA-xxx Gen*Ed Mathematics	3
Semester Credits	**16**	**Semester Credits**	**16**

Second Year

Fall	Credits	Spring	Credits
TH-155 Acting I (TH Major)	3	EN-2xx Gen*Ed Literature (LIT)	3
TH-310 Musical Theatre History	3	TH-156 Acting II (TH Major) or 357	3
Music: Chorus/Choir/Chamber Orchestra	1	Music: Chorus/Choir/Chamber Orchestra	1
MU-221 Theory I	3	MU-222 Theory II	3
MU-221L Ear Training I	1	MU-222L Ear Training II	1

TH-190 Applied Theatre Techniques I[1]	1	Gen*Ed Natural Science (NS) BY, CE, PH, GL, SC	3
Free Elective	3	MU-180, MU-199 Private Instruction	1
Semester Credits	**15**	**Semester Credits**	**15**

Third Year

Fall	Credits	Spring	Credits
Gen*Ed Cultural Diversity (CD) or Global Understanding (GU)	3	MU-219 History and Literature of Music II	3
MU-218 History and Literature of Music I	3	Dance class: See curriculum chart for choices	3
TH-251 Introduction to Theatre Production and Design[1]	3	TH-191 Applied Theatre Techniques II or 390[1]	1
Gen*Ed Reasoned Oral Discourse (RD)	3	MU-180-MU-199 Private Instruction	1
Free Elective	1	Free Electives	9
MU-180, MU-199 Private Instruction	1		
Semester Credits	**14**	**Semester Credits**	**17**

Fourth Year

Fall	Credits	Spring	Credits
PR-xxx Gen*Ed Interdisciplinary Perspectives (ISP)	3	MU-489 Internship in Music or TH 389	3
TH-290 Applied Theatre Design or 291[1]	1	TH-245 Theatre Performance Practicum I	1
Free Electives	9	Gen*Ed World Language	3
MU-180, MU-199 Private Instruction	1	Free Electives	6
Semester Credits	**14**	**Semester Credits**	**13**

Total Credits 120

[1] *TH-190, TH-191, TH-251, and TH-390 may be substituted with six credits from TH-240, TH-340, or TH-441.*

Minor in Music (MIN.MU)

Code	Title	Credits
Requirements (18 credits)		
MU-121	Fundamentals of Musicianship	3
MU-151	Group Piano I	3
MU-221L	Ear Training I	1
MU-200+ Elective		3
Applied Lessons		*4*
MU-180	Applied Music: Jazz Piano	
MU-181	Applied Music: Bass	
MU-190	Applied Music: Percussion	
MU-191	Applied Music: Voice	
MU-192	Applied Music: Piano	
MU-193	Applied Music: Upper Brass	
MU-194	Applied Music: Lower Brass	
MU-195	Applied Music: Woodwinds	
MU-196	Applied Music: Guitar	
MU-197	Applied Music: Strings	
Ensembles		*4*
MU-142	Monmouth University Pep Band	
MU-147	Chorus I	
MU-148	Chorus II	
MU-154	Blue Hawk House Band	
MU-156	Chamber Orchestra	
MU-157	Chamber Choir I	
MU-158	Chamber Choir II	
Total Credits		**18**

Minor in Musical Theatre (MIN.MUTH)

Code	Title	Credits
Requirements (15 credits)		
MU-171	Group Voice I	3
TH-154	Acting I (Non-Major)	3
TH-230	Acting II (non-Major)	3
TH-310	Musical Theatre History	3
Select 3 credits from the following:		3
TH-190	Applied Theatre Techniques I	
TH-191	Applied Theatre Techniques II	
TH-245	Theatre Performance Practicum I	
TH-246	Theatre Performance Practicum II	
TH-247	Theatre Performance Practicum III	
TH-390	Applied Theatre Techniques III	
Electives (6 credits)		
Select 6 additional credits from Theatre (TH) or Dance (DA) Courses:		6
Total Credits		**21**

Minor in Popular Music (MIN.POP)

Code	Title	Credits
Requirements (9 credits)		
MU-216	From Blues to Rap: The African-American Music Tradition	3
MU-217	The American Music Tradition	3
MU-224	Global Popular Music	3
Electives (6 credits)		
Select 6 credits from Music (MU)		6
MU-142	Monmouth University Pep Band	
MU-147	Chorus I	
MU-154	Blue Hawk House Band	
MU-156	Chamber Orchestra	
MU-157	Chamber Choir I	
MU-190	Applied Music: Percussion	
MU-191	Applied Music: Voice	
MU-192	Applied Music: Piano	
MU-193	Applied Music: Upper Brass	
MU-194	Applied Music: Lower Brass	
MU-195	Applied Music: Woodwinds	
MU-196	Applied Music: Guitar	
MU-227	Introducing the Beatles!	
MU-290	Rock and Roll in American Culture	
MU-291	Jazz in America	
MU-292	Roots, Rock, Reggae	

MU-326	Life and Work of Bruce Springsteen	
Total Credits		**15**

Minor in Theatre (MIN.TH)

Code	Title	Credits
Requirements (12 credits)		
TH-101	Theatre Appreciation	3
or TH-150	Introduction to the Theatre	
TH-154	Acting I (Non-Major)	3
TH-230	Acting II (non-Major)	3
Select 3 credits from the following:		3
TH-245	Theatre Performance Practicum I	
TH-246	Theatre Performance Practicum II	
TH-247	Theatre Performance Practicum III	
TH-190	Applied Theatre Techniques I	
TH-191	Applied Theatre Techniques II	
TH-390	Applied Theatre Techniques III	
Additional Requirements (9 credits)		
Select 6 credits from Theatre (TH) Courses		6
Select 3 credits from Theatre (TH) Courses at the 300 Level or higher		3
Total Credits		**21**

Political Science and Sociology

Chair: Kenneth Mitchell, Department of Political Science and Sociology
Sociology Program Director: Johanna Foster

The political science curriculum offers a variety of courses that strengthen understanding of traditional and contemporary issues in American politics, legal studies, international affairs, comparative politics, and public policy. The curriculum assists students in preparing for leadership and careers in business, journalism, law, politics, public service, and teaching.

Political Science National Student Honor Society: Pi Sigma Alpha

Political Science Departmental Honors: will be earned based on the following criteria being met:

- Two additional 300+ level Political Science courses beyond those required for the Political Science major
- Students should apply to the chair of the Political Science and Sociology Department at the start of their junior year
- Overall G.P.A. 3.5 or higher; Political Science G.P.A. must be 3.75 or higher

Sociology National Student Honor Society: Alpha Kappa Delta

Sociology Departmental Honors: will be earned based on the following criteria being met:

- Two additional 300+ level Sociology courses beyond those required for the Sociology major
- Students should apply to the chair of the Political Science and Sociology Department at the start of their junior year
- Overall G.P.A. 3.5 or higher; Sociology G.P.A. 3.75 or higher

Student Clubs: Debate Team, Global Service Club (Model UN), Moot Court, Mock Trial, Political Science Club, Pre-Law Club, and Sociology Club

Programs

Majors

- B.A. in History/Political Science Interdisciplinary (p. 151)
- B.A. in History/Political Science Interdisciplinary and Education with Endorsements in Elementary and Teacher of Students with Disabilities (p. 152)
- B.A. in History/Political Science Interdisciplinary and Education with an Endorsement in Secondary Education in Social Studies (p. 154)
- B.A. in Political Science (p. 185)
- B.A. in Political Science and Education with Endorsements in Elementary and Teacher of Students with Disabilities (p. 186)
- B.A. in Political Science and Education with an Endorsement in Secondary Education in Social Studies (p. 187)
- B.A. in Political Science with a Concentration in International Relations (p. 189)
- B.A. in Political Science with a Concentration in Legal Studies (p. 190)
- B.A. in Sociology (p. 190)
- B.A. in Sociology with a Concentration in Applied Research and Community Organizing (p. 191)

Minors

- Gender and Intersectionality (p. 192)
- Political Science (p. 193)
- Pre-Law (p. 193)
- Public Policy (p. 193)
- Social Justice (p. 193)
- Sociology (p. 193)

Faculty

Melissa Alvare, Lecturer. B.A., Temple University; M.A., Ph.D., University of Delaware.
malvare@monmouth.edu

Stephen J. Chapman, Associate Professor. B.A., M.A., East Stroudsburg, University; M.A., Ph.D., S.U.N.Y. Binghamton. Specializes in American politics. His research interests include representation strategies of elected officials, the impact of continued partisan control of state governments, and public opinion. Dr. Chapman also possesses a strong research methods background and regularly teaches the undergraduate- and graduate-level methods courses.
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Rekha Datta, Professor and Freed Endowed Chair in the Humanities. B.A., M.A., Presidency College, University of Calcutta, India; Ph.D., University of Connecticut. Specialization in political theory, international relations, comparative politics of South Asia, East Asia, the United Nations, and women and the world. Research interests focus on issues of gender and development, traditional and human security issues, and child labor. In 2003 Dr. Datta received the Distinguished Teacher of the Year Award, the highest recognition for teaching at Monmouth University. She served on the county board

of the American Association for University Women as Vice President for Public Policy until 2013. Since 2013, she has served on the Board of Big Brothers Big Sisters of Monmouth and Middlesex Counties. Founder of Women and Girls' Education (WAGE) International, a New Jersey-based 501 (c) (3) not-for-profit organization. Member of the Committee on Status of Representation and Diversity, International Studies Association. Author of: Beyond Realism: Human Security in India and Pakistan in the Twenty-First Century (2008, 2010); Why Alliances Endure: The United States-Pakistan Alliance, 1954-1971 (1994); co-editor, with Judith Kornberg, Women in Developing Countries: Assessing Strategies for Empowerment (2002). Advisor of Pi Sigma Alpha National Political Honor Society. Founder of the Institute for Global Understanding.
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Kevin Dooley, Professor. B.A., Monmouth University; M.A., Ph.D., Rutgers University. Research interests focus on globalization, comparativle public policy, the politics of language, and comparative European governments. In addition to a wide array of scholarly articles, he is the author/co-author of two books, Politics Still Matter: Globalization, Governance, and the Revival of Regional Minorities (2008) and Why Politics Matter: An Introduction to Political Science (2012).
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Johanna Foster, Professor, Sociology Program Director, and Helen McMurray Bennett Endowed Chair in Social Ethics. B.A., Interdisciplinary/Women's Studies, M.A., Applied Sociology/Social Policy, American University; Ph.D., Rutgers University. Dr. Foster has taught sociology and gender studies for over twenty years at a range of academic institutions, from private universities to urban community colleges, and with many of those years on the faculty at Monmouth University. She most enjoys sharing her love of sociology with students, and regularly teaches such courses as Introduction to Sociology, Introduction to Gender Studies, Race and Ethnicity, and Social Stratification. For many years, she combined her teaching and research efforts in social inequalities with work to restore higher education to prison communities, co-founding The College Bound Consortium for incarcerated women in New Jersey, and the college connections program for incarcerated women in New York.
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Peter Jaques, Professor/Rechnitz Endowed Chair in Marine Environmental Law and Policy. B.A., Montana State University; M.P.A., Ph.D., Northern Arizona University
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Jennifer McGovern, Associate Professor. B.S., Sacred Heart University; M.S., Central Connecticut State University; M.S., Ph.D., Temple University. Specializes in understanding how sport both reflects and challenges social inequalities, such as social class, race, ethicity, nationality, gender, and sexuality. Her previous research focused on the ways that professional baseball's institutional structures have grown and changed and how local baseball fans tell naratives about baseball players as teh game has grown more global in scope.
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Kenneth Mitchell, Professor and Chair. B.A., University of California; M.S., London School of Economics; D.Phi., Oxford University, United Kingdom. Specializes in Latin-American and Caribbean politics and policy (public sector reform, democratization, and state-society relations); and international political economy (capacity building in public sector, community development, and politics of market-based reform). Authored: State-Society Relations in Mexico (2001); "Don't' Cry for Argentina, They Will Survive This" (2014); "Models of Clientelism and Policy Change: the Case of conditional Cash Transfer Programmes in Mexico and Brazil" (co-authored with Aaron Ansell, 2011); "An Institutional Anomaly, Longevity and Competition in the Dominican Party System" (2009); "Bridging the Convergence-Divergence Policy Diffusion Divide, Mid-range Theorizing and Devolving Food Aid in Mexico and the Dominican Republic" (2007); "Building State Capacity: Reforming Mexican State Food Aid Programs in the 1990's" (2005). In 2015, he received the Monmouth University Distinguished Teacher of the Year Award.
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Joseph Patten, Professor. B.A., Kean University; M.A., Ph.D., West Virginia University. Teaches courses in politics and public policy. Received Monmouth University's Distinguished Teaching Award in 2009. Coach of the Monmouth University Policy Debate Team and University advisor for the Washington Semester Internship Program. He also served as president of the New Jersey Political Science Association in 2012 and 2013. Co-author of "Why Politics Matter: An Introduction to Political Science (Wadsworth Cengage Publisher) in 2012.
jpatten@monmouth.edu

Saliba Sarsar, Professor. B.A., Monmouth University (Monmouth College); Ph.D., Rutgers University. Specialties are international relations, comparative government (Middle East), and American foreign policy. He is the co-author of two books: Ideology, Values, and Technology in Political Life (1994) and World Politics: An Interdisciplinary Perspective (1995); the editor of two books: Education for Leadership and Social Responsibility (1996) and Palestine and the Quest for Peace (2009); and the co-editor of three books: Principles and Pragmatism – Key Documents from the American Task Force on Palestine (2006), Patriarch Michel Sabbah – Faithful Witness: On Reconciliation and Peace in the Holy Land (2009), and Democracy in Africa: Political Changes and Challenges (2012). He guest edited a special issue of the International Journal of Politics, Culture, and Society (2004), focusing on Palestinian-Israeli relations. Dr. Sarsar's articles have appeared in Peace and Conflict Studies; Holy Land Studies; Palestine-Israel Journal of Politics; Economics and Culture; This Week in Palestine; Columbia University Middle East Studies Internet Resources; Clio's Psyche; Peace Review: A Journal of Social Justice; Middle East Quarterly; Jerusalem Quarterly File; Scandinavian Journal of Development Alternatives and Area Studies; Journal of South Asian and Middle East Studies; International Journal of Leadership; Journal of Leadership Studies; and Leadership and Organization Development Journal. Dr. Sarsar also has two published books of poetry: Crosswinds (1999) and Seven Gates of Jerusalem (2010). A third book of poetry, Portraits: Poems of the Holy Land, is awaiting publication.
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Courses

PS-102 International Relations **Credits: 3**
Term Offered: All Terms
Course Type(s): GU, SS.SV
The major theoretical concepts and issues of international relations, emphasizing theories, actors, structures, ideologies, and environment of international politics.

PS-103 American National Government **Credits: 3**
Term Offered: All Terms
Course Type(s): SS.SV
A survey of United States government, emphasizing the Constitution, functions of political parties, pressure groups, the relationships of citizens to the government, the development of administrative control, and problems unique to each of the three branches of government.

PS-104 Introduction to Policy Debate **Credits: 3**
Term Offered: Fall Term
Course Type(s): PSPA
This course is designed to introduce students to the activity of policy debate competition. Students will develop research and organizational skills, learn how to deliver and refute arguments, and will participate in classroom debate scrimmages in preparation for weekend long off campus debate tournaments against students from other universities.

PS-105 Introduction to Public Policy **Credits: 3**
Term Offered: All Terms
Course Type(s): PO, PSPA, SS.SV
Analysis of policy-making processes in American society, including health care, the environment, education, crime, and employment; application of competing perspective and value orientation to policy areas; impact on specific groups within American society and the global community.

PS-107 Introduction to Social Justice **Credits: 3**
Term Offered: All Terms
Course Type(s): SS.SV
Provides a conceptual and practical basis to understand, interpret, and solve social problems in fair, equitable, and just ways. Also listed as SO-107.

PS-108 Model United Nations **Credits: 3**
Term Offered: All Terms
Course Type(s): RD
International relations is a subfield of political science that examines the nature of power and its distribution around the world. Scholars interested in international relations have developed a variety of simulations to seek greater understanding of state behavior. This course will simulate the policies and procedures of the dominant organs of the United Nations in order to gain a greater understanding of international issues like climate change, terrorism, humanitarian aid, international trade and commerce, and war and peace.

PS-109 Civic Engagement and Leadership **Credits: 1**
Term Offered: Spring Term
Course Type(s): None
Civic responsibility, engagement, and leadership are encouraged through active student involvement in a community or campus organization. Students will perform twelve hours of public service over the course of the semester working for an organization that addresses a particular issue of public concern. Also listed as SO-109.

PS-198 Special Topics in Political Science (100 Level) **Credits: 1-3**
Term Offered: Spring Term
Course Type(s): None
An intensive study of a particular subject or problem in political science to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

PS-199 Reading and Research in Political Science **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
Guided study of a topic in political science not substantially treated in a regular course, under the direction of a member of the political science faculty. Extensive reading and at least one written report are required. Prior permission of the directing professor and department chair is required to take this course.

PS-202 State and Local Government **Credits: 3**
Prerequisite(s): PS-102 or PS-103; and EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): PSAM, WT
A comparative study of state, local, and suburban politics in the United States with special emphasis on New Jersey and the New Jersey-New York metropolitan area.

PS-211 Legal Analysis and Writing **Credits: 3**
Prerequisite(s): PS-102 or PS-103
Term Offered: Fall Term
Course Type(s): PSAL
This course focuses on the fundamentals of legal analysis and writing. Effective legal analysis and writing are key skills required to succeed in law school and the legal profession. Students will understand the role of an attorney, analyzing their client's legal issue, drafting various pieces of legal writing, including legal memorandum and briefs, and arguing their client's case orally. Students will learn both objective legal analysis and persuasive legal writing and arguing skills.

PS-212 Workshop in NJ's County Pre-Trial Prosecution System: Legal and Political Aspects **Credits: 3**
Term Offered: Spring Term
Course Type(s): PSAL, PSAM
Legal and political analysis of New Jersey's pretrial prosecution process. The roles, pressures, attitudes, and strategies of the county prosecution system personnel will be subjects for field research seminar study.

PS-221 Early Political Thought **Credits: 3**
Prerequisite(s): PS-102 or PS-103; and EN-101 and EN-102 or permission of the instructor
Term Offered: Fall Term
Course Type(s): WT
Consideration of the major political theories of the Western world and their relevance to contemporary politics. Semester I: Plato to Marx. Semester II: later nineteenth-and twentieth-century political thinkers, with special emphasis on the behavioral school.

PS-222 Modern Political Thought **Credits: 3**
Prerequisite(s): PS-102 or PS-103; and EN-101 and EN-102 or permission of the instructor
Term Offered: Spring Term
Course Type(s): WT
Consideration of the major political theories of the Western world and their relevance to contemporary politics. Semester I: Plato to Marx. Semester II: later nineteenth- and twentieth-century political thinkers, with special emphasis on the behavioral school.

PS-223 Introduction to Global Sustainability **Credits: 3**
Term Offered: Fall Term
Course Type(s): MEBP, SUS
Introduces students to the global, environmental, economic and social foundations of sustainability and the policy and scientific challenges involved with accommodating population growth, development, and resources used while assuring that future generations will have the natural and economic resources to support an enhanced quality of life. An emphasis will be placed on understanding of sustainability principles from multiple perspectives and cross-disciplinary application of sustainable practices. Also listed as BY-221.

PS-224 Theories of Political Economy **Credits: 3**
Prerequisite(s): EN-101 and EN-102 and PS-102 or PS-103
Course Type(s): WT
Theories of political economy studies the intersection of the state (politics) and markets (economy) to explain policy outcomes (student loans, sin taxes, agricultural subsidies, trade rules, etc.) as well overall economic development of nations. Economists assume a world of rational individuals pursuing their self-interest through markets - i.e., Adam Smith's "invisible hand" - while political scientists assume a world of rational actors seeking to maximize their political power. Combined, political economy presents a world in which political actors are influenced, guided and constrained by markets, budget constraints, and resource scarcity while economic markets reflect political power relationships surrounding property rights, contract enforcement, regulations, and tax rules. Drawing the line between state/public and market/private is a political process yet one with clear economic consequences. Take the example of healthcare. Two possibilities exist - private (market-based) or public (state-based) - and the choice boils down to a political process (i.e., executive, legislative and judicial branches plus interest groups) occurring in a context influenced by market constraints (i.e., costs, budget constraints, scarcity, taxes, and insurance).

PS-240 Environmental Ethics **Credits: 3**
Term Offered: All Terms
Course Type(s): PSIP
This course will examine the ethical arguments/repercussions related to the environment. Topics will include the principles involved in combatting environmental problems such as pollution, loss of species and habitats, climate change, environmental justice, food insecurity, and economic and political impacts. As the environment faces a growing number of threats from human activities these core issues are becoming increasingly important. The purpose and importance of this course is to create a learning environment that stresses the understanding of ethics, its development as a major field, and its necessary role in understanding the environment.

PS-250 Fundamentals of Social Science Research **Credits: 3**
Term Offered: All Terms
Course Type(s): TL
An introduction to the different ways in which social scientists study the social world. Designed to develop students' understanding of the major purposes of social research as well as the major types of quantitative and qualitative research designs. Students will learn the research process itself, from conceptualization and measurement to operationalization, sampling, ethics, and the analysis and presentation of their proposed study. As part of the research process, students will use spreadsheet, presentation, and word processing software to build datasets, analyze data, and design and present research. Also listed as SO-250. Sociology majors should register for SO-250. This course is for Political Science majors only or other majors with instructor consent.

PS-274 Global Inequalities **Credits: 3**
Prerequisite(s): SO-101 or PS-102
Term Offered: All Terms
Course Type(s): BI.EL, GLS, GU, RE, SJS, SUS
A sociological and political look at global inequalities. Explores diverse themes and aspects of a global society, including the forces that are causing and perpetuating global inequalities. It also looks at the social, political, economic, and cultural consequences of those inequalities. Also listed as SO-274.

PS-275 Politics and Policy of Latin America **Credits: 3**
Term Offered: All Terms
Course Type(s): PSCG, PSPA, RE
Introduces students to the critical political issues and challenges in Latin America, a geographic region that includes Mexico, Central America, the Caribbean and South America. Hemisphere integration continues to accelerate, and political developments south of the border increasingly impact the United States. Immigration, trade, drugs, and the environment require hemisphere collaboration among a diverse set of peoples and governments. Surveys contemporary politics and economics, as well as the basic regional history in a way that invites comparison and the development of regional (Southern Cone, Andean Region, Central America, Caribbean) and hemispheric perspectives on the challenges linked to hemispheric integration.

PS-277 Gender and Politics **Credits: 3**
Term Offered: Spring Term
Course Type(s): GS, PSAM
The study of gender and how it relates to politics. Includes an analysis of the women's movement through historical literature by and about women. Also includes feminist and gender theories, the mass behavior of women, elite women, and public policy as it relates to women's issues.

PS-278 International Political Economy **Credits: 3**
Prerequisite(s): PS-102
Term Offered: All Terms
Course Type(s): GLS, PSIP, RE
The role that international institutions, transnational actors, and foreign governments play in the production, distribution, and consumption of resources will be investigated. Since much of international political economy has to do with various thinkers and schools of thought, an appropriate emphasis will be given to some of the important works in the field. For example, we will be analyzing the contributions of Liberal, Marxist, and Statist thinkers and the various perspectives that have been used to analyze the way policies are made, agreements are reached, and resources distributed. Following the establishment of this theoretical framework, we will focus on the growth of regional integration, the role of hegemony in maintaining the stability of international systems, strategies of economic development, and the role of multinational and transnational companies in both the industrial and developing world. In essence, this course is concerned with looking at the relationship between power and wealth and the balance between the state and the market. Also listed as SO-278.

PS-288 Cooperative Education: Political Science **Credits: 3**
Prerequisite(s): PS-102 or PS-103
Term Offered: Spring Term
Course Type(s): EX2
Through actual work experience, connects classroom learning and real-world practice. Under the guidance of a faculty advisor, students select a cooperative placement. Students will spend ten to fifteen hours per week at their placement. Departmental approval is required to take this course. Repeatable for credit.

PS-289 Political Science Internship **Credits: 3**
Prerequisite(s): PS-102 or PS-103 and the completion of sixty credits
Term Offered: Spring Term
Course Type(s): EX1
An internship in a political office. The student will keep a daily log and develop a research topic on the basis of the log and experience. By working an eight-hour day from Monday through Friday, the intern will develop firsthand knowledge of a state or local office and will secure an experience rating for future positions after graduation. Departmental approval is required to take this course.

PS-290 Media Law **Credits: 3**
Term Offered: All Terms
Course Type(s): PSAL
How the mass media is constrained and protected by the law and court interpretation. Overview will focus on libel, copyright, obscenity, free press, and other legal/illegal aspects. Also listed as CO-290.

PS-298 Special Topics in Political Science (200 Level) **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
An intensive study of a particular subject or problem in political science to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

PS-299 Reading and Research in Political Science **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
Guided study of a topic in political science not substantially treated in a regular course, under the direction of a member of the political science faculty. Extensive reading and at least one written report are required. Prior permission of the directing professor and department chair is required to take this course.

PS-301 Political Parties and Elections **Credits: 3**
Prerequisite(s): PS-102 or PS-103
Term Offered: Spring Term
Course Type(s): PSAM
Historical and functional analysis of United States political parties; the workings of party machinery and practical politics, including national, state, and local party activities, election procedures, third party movements, interest groups, and public opinion.

PS-302 Data Analysis for the Social Sciences **Credits: 3**
Prerequisite(s): PS-250 or SO-250
Term Offered: Spring Term
Course Type(s): None
Introduces students to techniques used to evaluate social science data; addresses strategies for analyzing qualitative data and presents social science applications of quantitative techniques such cross tabulation, t-test, and regression. Students will learn to apply procedures to test hypotheses. Also listed as SO-302.

PS-304 Public Opinion and Propaganda **Credits: 3**
Prerequisite(s): PS-102 or PS-103
Course Type(s): None
The effects of mass communications upon political opinion, control of news, dissemination agencies, propaganda techniques, and pressure groups; the role of opinion polls and survey techniques.

PS-305 The American Congress **Credits: 3**
Prerequisite(s): PS-102 or PS-103
Term Offered: All Terms
Course Type(s): PSAM
An analysis of the structure, organization, and functioning of Congress; the relationship between Congress and the executive and judicial branches of government, the importance of the Congressional investigative powers and of quasi-legislative agencies, boards and commissions.

PS-306 The American Presidency **Credits: 3**
Prerequisite(s): PS-102 or PS-103, and EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): PSAM, WT
The various theories of the presidency; the president's relationship with Congress, the public, the party structure, the administration, and the vice-president; and the president's powers and responsibilities in foreign and military affairs.

PS-307 The American Judiciary **Credits: 3**
Prerequisite(s): PS-102 or PS-103
Term Offered: All Terms
Course Type(s): PSAL, PSAM, SJL
Systematic study of the judiciary at the federal and New Jersey level, including an analysis of the jurisdictional limits of courts and the procedural rules for actions in each respective system; an intensive study of institutions of law (legal systems, federal courts, state courts) and interpreters and consumers of law (judges, lawyers, litigants, interest groups) as well as a study of the impact of court decisions on federal and state public policy.

PS-308 Resistance and Revolution: Exploring Social Movements & Social Change **Credits: 3**
Term Offered: All Terms
Course Type(s): SJS
Social movements are sustained efforts through which people act collectively to create or resist changes in political, social, economic, legal, and/or cultural systems, as well as specific institutions. Through a combination of theoretical exploration and case studies, this course is designed to generate an in-depth understanding of social movements of the past and the present. We will address questions such as: What events precipitate movements? How do political, social, economic and cultural forces shape movements and influence their outcomes? How have artistic works and creative tactics been used for pursuing social change? In what ways have social media changed the landscape of social action? How have social scientists researched and participated in movements? The course will also explore the work of organizing, strategizing, recruiting participants, leadership development, and tactical decision-making, in addition to the other forms of "on the ground" work within movements. Also listed as SO-308

PS-309 Political Science Internship Seminar **Credits: 3**
Term Offered: All Terms
Course Type(s): EX5
Practical experience in the operation of a legal, political campaign, or government position to guide the intern's future professional development. The student will keep a journal and produce a report analyzing the intern's experience and/or work environment. Repeatable for credit.

PS-311 Introduction to Constitutional Law **Credits: 3**
Prerequisite(s): PS-102 or PS-103
Term Offered: All Terms
Course Type(s): PSAL
Examination of United States constitutional law by the case method: the federal government and the relative powers of Congress, the President, and the Supreme Court.

PS-312 Constitutional Law: Civil Rights **Credits: 3**
Prerequisite(s): PS-102 or PS-103
Course Type(s): PSAL, RE, SJL
Examination of United States constitutional law by the case method: Constitutional, civil, and political liberty with special emphasis on the First, Fifth, and Fourteenth Amendments.

PS-313 The Pre-Trial Prosecution System **Credits: 3**
Prerequisite(s): PS-102 or PS-103
Term Offered: All Terms
Course Type(s): PSAL, SJL
The pre-trial prosecution process as a political system. The roles, attitudes, and strategies of those authorities who allocate values within the system are examined. Also listed as CJ-313. CJ majors register for CJ-313.

PS-315 Urban Politics **Credits: 3**
Prerequisite(s): PS-102 or PS-103
Term Offered: Spring Term
Course Type(s): PSAM, PSPA, RE
The problems of urban life as they are manifested in the political process, the interaction of cities with other levels of government, and the performance of political functions within the urban environment.

PS-324 American Political Thought **Credits: 3**
Prerequisite(s): PS-102 or PS-103
Term Offered: Spring Term
Course Type(s): PSAM
The development of political thought in the United States with emphasis on the late nineteenth- and twentieth-century philosophers and statesmen, along with the development of ideology of groups in American politics. Also listed as PL-324.

PS-325 Survey Research Consulting **Credits: 3**
Prerequisite(s): PS-250 or SO-250 or CO-292 or SW-409 or PY-220 or CJ-315 or HLS-315 or HE-290 or NU-355 or permission of the instructor
Term Offered: All Terms
Course Type(s): None
Provides students with real-world experience in the application of social science methodology, specifically survey research. The course is designed to strengthen social science research methods skills as well as competencies in professional communication and collaboration. Students, as a class, will work on a small-scale project (e.g. needs assessment, program evaluation, marketing study, etc.) for a "client" - a non-profit organization, government agency, small business, or academic institute - who has agreed to collaborate as a service learning opportunity. The client is not paying for this service and understands the limitations of working with consultants-in-training. However, the course will strive to adhere to the highest standards in both survey research practice and the client-consultant relationship. Also listed as SO-325.

PS-330 Environmental Policy **Credits: 3**
Term Offered: All Terms
Course Type(s): MEBP, PSAM, PSPA, SUS
Introduces social, political, and organizational processes that influence and shape environmental and natural resource policy. Focuses on the political arena and examines how citizens and community groups influence legislative initiatives. Also listed as PS-330.

PS-332 Climate Change Adaptation and Policy **Credits: 3**
Term Offered: Spring Term
Course Type(s): MEBP, SUS
Climate Change Adaptation and Policy provides a survey of the global engagements surrounding climate change adaptation and policy that currently affects billions around the globe. The subject matter covered includes understanding how to evaluate the proxies and impacts of climate change, the geography of climate change, and the policies and planning tools that are used in addressing the current and forecasted effects of climate change. The class includes local, regional, national, and international examples within a mixed-methods approach that simultaneously uses a scientific, natural processes understanding that is juxtaposed with policy-based initiatives that deal with the real-life costs and procedures in addressing climate change. Also listed as GO-332.

PS-350 American Political Economy **Credits: 3**
Prerequisite(s): PS-103
Term Offered: Spring Term
Course Type(s): PO, PSAM, PSPA
Examines the institutional, economic, and political factors that influence the economic decision-making process at all levels of government. Analysis of the theories, processes, principles, and concepts of public budgeting and governmental management of the economy. Also listed as PO-350.

PS-351 Public Administration **Credits: 3**
Prerequisite(s): PS-102 or PS-103
Term Offered: Spring Term
Course Type(s): PSPA
The administration, organization, management, financial, and personnel problems within the various governmental agencies; problems arising from the interrelations of the three branches of government.

PS-352 Public Personnel Administration **Credits: 3**
Prerequisite(s): PS-102 or PS-103
Course Type(s): PSPA
The nature of the career service in government, effective tools in personnel administration, and the changing role of the Civil Service Commission.

PS-353 Public Budgeting Process **Credits: 3**
Prerequisite(s): PS-102 or PS-103
Term Offered: Spring Term
Course Type(s): PSPA
A treatment of the budget as an instrument of public policy and marginal control of public programs.

PS-355 Administrative Law and Regulation **Credits: 3**
Prerequisite(s): PS-102 or PS-103
Term Offered: Spring Term
Course Type(s): PSAL, PSPA, SJL
The federal and state regulatory agencies, commissions, and boards; how they function, the legal procedures they employ, to what extent they are successful in serving and protecting the community, and efforts to effect their reform.

PS-360 Political Economy in the Developing World **Credits: 3**
Prerequisite(s): PS-102 or PS-103
Term Offered: Spring Term
Course Type(s): PSIP, SJS
This course introduces undergraduate students to the core concepts, theories and debates of political economy in the context of developing world countries. The primary unit of analysis will be the national case study (i.e., Brazil or Indonesia) rather than the international system or international institutions (for example, World Bank, IMF or global financial markets.) The aim is to provide the intellectual tool set to evaluate questions and challenges of political and economic development and modernization across a range of national case studies from Latin America, the Caribbean, Africa, the Middle East and Asia. Also listed as SO-360.

PS-361 Comparative European Governments **Credits: 3**
Prerequisite(s): PS-102 or PS-103
Term Offered: All Terms
Course Type(s): PSCG
A comparative analysis of political processes in Western-European governments, with special emphasis on the methodology of comparative politics.

PS-364 Law and Society **Credits: 3**
Prerequisite(s): SO-101 or PS-102 or PS-103
Term Offered: All Terms
Course Type(s): PSAL, SIN, SJL
The evolution of law, social forces influencing law, social impact of law, and law as an instrument of social control and social change. Also listed as SO-364.

PS-365 Sports Law I: Governance and Regulation **Credits: 3**
Term Offered: All Terms
Course Type(s): PSAL
Sports law is a subfield of law and political science that examines a broad mixture of laws that apply to athletes and the sports they play. Many legal scholars argue that the term "sports law" is a misnomer because "sports" represent the convergence of activity and entertainment that is governed by the legal system in its entirety. Accordingly, this course provides an overview of many areas of the law, particularly in the realm of governance and regulations. Through the assigned readings and research projects, students will gain valuable insight as to how "sports" are regulated by the laws of our country but also by the governing bodies and institutions that oversee the formation, activity, and "entertainment" of each sport. This course is related to Sports Law II: The Business of Sports Law in that both courses provide student with in-depth analysis of law as it relates to sports but also how "sports law" impacts society, business and the economy. However, the courses are non-sequential and students can be successful in each course independent from the other as they are both designed to be introductory courses related to governance and regulation, and legal implications in the business of sports, respectively.

PS-366 Sports Law II: The Business of Sports Law **Credits: 3**
Course Type(s): PSAL
Sports law is a subfield of law and political science that examines a broad mixture of laws that apply to athletes and the sports they play. Many legal scholars argue that the term "sports law" is a misnomer because "sports" represent the convergence of activity and entertainment that is governed by the legal system in its entirety. Accordingly, this course provides an overview of many areas of the law, particularly in the realm of governance and regulations. Through the assigned readings and research projects, students will gain valuable insight as to how "sports" are regulated by the laws of our country but also by the governing bodies and institutions that oversee the formation, activity, and "entertainment" of each sport. This course is related to Sports Law II: The Business of Sports Law in that both courses provide student with in-depth analysis of law as it relates to sports but also how "sports law" impacts society, business and the economy. However, the courses are non-sequential and students can be successful in each course independent from the other as they are both designed to be introductory courses related to governance and regulation, and legal implications in the business of sports, respectively.

PS-371 International Service Seminar **Credits: 3**
Prerequisite(s): PS-102
Term Offered: Spring Term
Course Type(s): PSIP
Students will learn to unite theory and practice by studying theories and policies based on human security, and learning about their applications through service-learning projects. Students will enhance their understanding of human security by volunteering in international community organizations and reflecting on the social, political, and economic factors and policies that affect them. Also listed as SW-371, AN-371, and SO-371.

PS-372 Democracy in Asia and South Asia **Credits: 3**
Term Offered: Spring Term
Course Type(s): PSCG, RE
Explores the prospects of democracy in Asia and South Asia with a focus on Japan, South Korea, Taiwan, India, Pakistan, Afghanistan, Nepal, Bangladesh, and Sri Lanka. Provides the historical depth, cultural complexity, and comparative context in which to understand historical legacies and contemporary issues challenging democracy in Asia and South Asia.

PS-373 Comparative Politics in Asia **Credits: 3**
Prerequisite(s): PS-102 or PS-103
Term Offered: Spring Term
Course Type(s): PSCG, RE
Comparative study of the political processes of selected Asian nations with emphasis on problems arising as a result of the transition from traditional societies to modern nation states.

PS-375 Islam and Politics **Credits: 3**
Course Type(s): PSCG, RE
Examination of the interrelationship between Islam as a religion and a way of life and politics in different regions of the world. Following a quick survey of the belief and practice of Islam since its inception, the focus will be placed on the past 100 years, particularly the Muslim responses to the challenges of colonialism, modernization, and globalization and Islam's reassertion in public affairs and society. Concludes with ways for improving Islam-West relations in the hope that these will generate better understanding and peace. Also listed as RS-375.

PS-376 Comparative Politics of the Middle East **Credits: 3**
Term Offered: All Terms
Course Type(s): PSCG, RE
Comparative study of the political processes of selected Middle-Eastern nations with an emphasis on problems arising as a result of the transition from traditional societies to modern nation states.

PS-377 A Comparative Study of Women in the World **Credits: 3**
Prerequisite(s): GS-225 or SO-225
Term Offered: All Terms
Course Type(s): BI.EL, GS, GU, PSCG
A comparative study of the political, cultural, social, and economic statuses of women in the United States, Western Europe, Russia, Japan, Israel, and Third-World nations. Also listed as GS-377. Prerequisites: GS-225 or SO-225

PS-378 Ethics in International Relations **Credits: 3**
Prerequisite(s): PS-102
Term Offered: All Terms
Course Type(s): PSIP
Create a learning environment that stresses the understanding of ethics and its necessary role in the contemporary world. Through an evaluation of peace theories, patterns of diplomacy, and conflict in international relations, the learner will realize that ethical considerations are essential to the human experience.

PS-382 International Organizations **Credits: 3**
Prerequisite(s): PS-102 or PS-103
Term Offered: Spring Term
Course Type(s): PSIP, PSPA
The nature, functions, and development of international organizations with particular emphasis on the United Nations and its role in international relations.

PS-383 Model UN Conference **Credits: 4**
Prerequisite(s): PS-102 or PS-103
Term Offered: Spring Term
Course Type(s): PSIP
Introduces students to how the United Nations works and will gives them real-life experience in how countries bargain, negotiate, and resolve conflicts. It is a blend of theoretical/historical knowledge and practical/experiential components. The practical/experiential components will include taking part in actual negotiations at a collegiate-level Model United Nations conference. Experiential Education credit will only be given upon completion of the model UN conference. Repeatable for credit at the discretion of the department.

PS-385 American Foreign Policy **Credits: 3**
Prerequisite(s): PS-102 or PS-103
Term Offered: All Terms
Course Type(s): PSIP, PSPA
A study of American foreign policy with emphasis on the theoretical framework and institutional setting of the contemporary policymaking process.

PS-388 Cooperative Education: Political Science **Credits: 3**
Prerequisite(s): PS-102 or PS-103
Term Offered: All Terms
Course Type(s): EX2
Classroom learning and real-world practice are connected through actual work experience. Under the guidance of a faculty advisor, students select a cooperative placement. Students will spend ten to fifteen hours per week at their placement. Repeatable for credit. Departmental approval is required to take this course.

PS-389 Political Science Internship **Credits: 3**
Prerequisite(s): PS-102 or PS-103 and completion of sixty credits
Term Offered: All Terms
Course Type(s): EX1
An internship in a political office. The student will keep a daily log and develop a research topic on the basis of the log and experience. By working an eight-hour day from Monday through Friday, the intern will develop firsthand knowledge of a state or local office and will secure an experience rating for future positions after graduation. Departmental approval is required to take this course.

PS-390 Washington Center Internship **Credits: 7-12**
Term Offered: All Terms
Course Type(s): EX5
This internship allows students in all majors to intern at government agencies, public service organizations, and business associations located in Washington, DC. Under the supervision of Washington Center supervisors and faculty, students gain substantive entry-level professional experience along with academic credit over the course of one semester. In general, students are required to intern in a government agency or public organizations four and a half days per week and attend educational seminars and workshops and participate in professional forums conducted by the Washington Center. In addition, students must complete learning objectives and assignments specified by Monmouth University faculty sponsors. Also listed as CO-390 and SO-390.

PS-393 Washington Center Course **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Students participating in a Washington Center internship are required to enroll in a three credit seminar. A list of available courses is forwarded to all students prior to the beginning of the fall, spring, or summer term. Regular offerings include: politics, professional communication, the fine and performing arts, and economics. Also listed as CO-393 and SO-393. Junior standing and a minimum G.P.A. of 2.50 is required to take this course.

PS-398 Special Topics in Political Science (300 Level) **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
An intensive study of a particular subject or problem in political science to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

PS-399 Independent Study in Political Science **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Guided study of a topic in political science not substantially treated in a regular course, under the direction of a member of the political science faculty. Extensive reading and at least one written report are required. Prior permission of the directing professor and department chair is required to take this course.

PS-401 Seminar in Political Science **Credits: 3**
Prerequisite(s): EN-101, EN-102, PS-250, 15 credits in Political Science, and Junior Standing.
Term Offered: All Terms
Course Type(s): WT
Review of research methods and significant developments in political science. An individual research project, assigned according to the interest and needs of the student, is required.

PS-431 Public International Law **Credits: 3**
Prerequisite(s): PS-102 or PS-103, EN-101 and EN-102
Course Type(s): GU, PSAL, PSIP, SJL, WT
Detailed examination of the system of rules governing relations among states including in-depth review of the sources of public international law, transnational entities involved in applying international law, domestic application of international law including jurisdiction and extraterritoriality, the validity of state action vis-a-vis public international legal restrictions, and enforcement of international law as to states and individuals.

PS-488 Cooperative Education: Political Science **Credits: 3**
Prerequisite(s): PS-102 or PS-103
Term Offered: Spring Term
Course Type(s): EX2
Classroom learning and real-world practice are connected through actual work experience. Under the guidance of a faculty advisor, students select a cooperative placement. Students will spend ten to fifteen hours per week at their placement. Repeatable for credit. Departmental approval is required to take this course.

PS-489 Political Science Internship **Credits: 3**
Prerequisite(s): PS-102 or PS-103 and completion of sixty credits
Course Type(s): EX1
An internship in a political office. The student will keep a daily log and develop a research topic on the basis of the log and experience. By working an eight-hour day from Monday through Friday, the intern will develop firsthand knowledge of a state or local office and will secure an experience rating for future positions after graduation. Departmental approval is required to take this course.

PS-498 Special Topics in Political Science (400 Level) **Credits: 1-3**
Term Offered: Spring Term
Course Type(s): None
An intensive study of a particular subject or problem in political science to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

PS-499 Readings and Research in Political Science **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Guided study of a topic in political science not substantially treated in a regular course, under the direction of a member of the political science faculty. Extensive reading and at least one written report are required. Senior standing; status as a Political Science or History and Political Science major with a 3.00 or higher G.P.A. in major coursework; and prior permission of the directing professor and department chair are required to take this course.

SO-101 Introduction to Sociology **Credits: 3**
Term Offered: All Terms
Course Type(s): SS.SV
A systematic introduction to the major questions, perspectives, and methods of sociology; basic conceptual vocabulary; analysis of individual and group behavior within special areas.

SO-102 Social Problems **Credits: 3**
Term Offered: Spring Term
Course Type(s): SS.SV
An analysis of social problems in contemporary society; poverty, race, gender and age inequality; work; urbanization; crime; mental illness; and drug use.

SO-107 Introduction to Social Justice **Credits: 3**
Term Offered: All Terms
Course Type(s): SS.SV
Provides a conceptual and practical basis to understand, interpret, and solve social problems in fair, equitable, and just ways. Also listed as PS-107.

SO-109 Civic Engagement and Leadership **Credits: 1**
Term Offered: Spring Term
Course Type(s): None
Civic responsibility, engagement, and leadership are encouraged through active student involvement in a community or campus organization. Students will perform twelve hours of public service over the course of the semester working for an organization that addresses a particular issue of public concern. Also listed as PS-109.

SO-198 Special Topics in Sociology (100 Level) **Credits: 1-3**
Course Type(s): None
An intensive study of a particular subject or problem in sociology to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

SO-201 Global Social Problems **Credits: 3**
Course Type(s): GLS, RE
Leading areas of tension, crisis, and debate in the contemporary world with emphasis on global population trends, global poverty and hunger, and inequality among nations in the world's economic system and their social policy implications.

SO-203 Career Course in Sociology **Credits: 1**
Term Offered: Spring Term
Course Type(s): None
An introduction to various career opportunities with an undergraduate degree in sociology. It will cover some of the skills necessary for successfully seeking employment and gaining acceptance into graduate school. It will provide sociology and related majors with the opportunity to reflect on professions that use the skills gained through a B.A. program in sociology and to consider their future interests and direction. Students will experience opportunities to prepare for career situations and develop materials to present their abilities to potential employers. This is a one-credit hour course meeting once a week.

SO-207 Principles of Community Organizing **Credits: 3**
Prerequisite(s): SO-101 or SO-102, SO-107 or PS-107, GS-225 or SO-225, GS-252 or SO-252, and SO-272.
Term Offered: Fall Term
Course Type(s): SJS
Explores the basic principles of community organizing through the lens of sociological theory. Students are introduced to the history of community organizing in the United States, and to the major community organizing traditions that have been used in social justice and social movement work past and present. The course includes focus on central skills of organizing, including but not limited to issue identification, recruitment, actions, and research, as well as movement-building, popular education and training as related to core sociological concepts. Across the term, the course pays particular attention to the ways that race, class, gender, sexuality, indigeneity and other forms of difference shape privilege and power.

SO-225 Introduction to Gender Studies **Credits: 3**
Prerequisite(s): Completion of three credits
Term Offered: All Terms
Course Type(s): CD, GS, SI, SJS, SS.SV
Examines gender inequalities and the pervasiveness of gender as a way of structuring/organizing social life. Emphasizes how gender as a social structure intersects with other social structures such as race, class, and sexuality to legitimize power and privilege and/or constrain diverse groups of people. Critiques conventional theories of gender and sociology and covers a broad spectrum of topics using feminist and sociological perspectives. Also pays attention to the connection between social structure and human agency - how people's experiences are both shaped by social forces and shaped through human action. Also listed as GS-225.

SO-231 Urban Sociology **Credits: 3**
Prerequisite(s): SO-101
Course Type(s): RE
Theoretical analysis of the modern, urban community, including the history of the city and analysis of urban institutions and behavior patterns; problems relating to metropolitan and suburban areas, community planning, and urban renewal. Also listed as GO-231.

SO-234 Sports and Society **Credits: 3**
Prerequisite(s): SO-101
Term Offered: All Terms
Course Type(s): COSPT, GS, HE.EL, HEPE, SIN
The increasingly important role of sports as an institution in modern society. Sports in relation to racism, sexism, education, values, and stratification systems.

SO-241 Criminology **Credits: 3**
Prerequisite(s): CJ-101 or SO-101 or SO-102; and EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): WT
Explanations of the causes of property and violent offenses. Discussion of white collar, professional and organized crime, and the problem of criminal statistics. Also listed as CJ-241.

SO-243 Juvenile Delinquency **Credits: 3**
Prerequisite(s): SO-101
Course Type(s): SJS
History of the concept of delinquency; extent and nature of delinquent behavior; explanations of delinquent behavior; police and court responses to juveniles; and a review of rehabilitative and treatment modalities.

SO-244 Deviance **Credits: 3**
Prerequisite(s): SO-101 or SO-102 or CJ-101
Term Offered: Spring Term
Course Type(s): None
How society creates and responds to deviant behavior, ranging from violations of courtesy to homicide. Analysis of the system of social control, including the police, education, psychiatry, and the state.

SO-245 Theories of Society I **Credits: 3**
Prerequisite(s): EN-101, EN-102, and SO-101
Term Offered: All Terms
Course Type(s): WT
The wide range of theoretical paradigms that characterized the discipline of sociology from the emergent period of industrialization to the rise of modernity are investigated. More specifically, the major foundations of classical sociology theory as it emerged in the mid -nineteenth century, moving beyond the narrowly constructed cannon of Marx, Weber and Durkheim, toward a more accurate and inclusive look at our intellectual roots as manifested in the works of Gilman, Simmel, DuBois and Mead are explored. Throughout the course, we critically engage in a kind of "sociology of knowledge" as we situate these central ideas and schools of thought in the social, political and economic contexts of the larger society, as well as their specific social history of the discipline. Finally, we engage the course with a preview of the ways in which the wide range of theoretical paradigms that characterized the nascent years of the discipline of sociology set the stage for the development of the modernist and postmodernist traditions, including, but not limited to critical theory; structural functionalism; symbolic interactionism; and feminist and critical race theories.

SO-250 Fundamentals of Social Science Research **Credits: 3**
Term Offered: All Terms
Course Type(s): TL
An introduction to the different ways in which social scientists study the social world. Designed to develop students' understanding of the major purposes of social research as well as the major types of quantitative and qualitative research designs. Students will learn the research process itself, from conceptualization and measurement to operationalization, sampling, ethics, and the analysis and presentation of their proposed study. As part of the research process, students will use spreadsheet, presentation, and word processing software to build datasets, analyze data, and design and present research. Also listed as PS-250. Political Science majors should register for PS-250. This course is for Sociology majors only, or other majors with instructor permission.

SO-252 Race and Ethnicity **Credits: 3**
Term Offered: All Terms
Course Type(s): ADS, CD, GS, RE, SI, SJS
Introduces students to the sociological study of race and ethnicity in the United States as interrelated social systems of power that grant a range of material and non-material advantages to different groups of people based on socially constructed definitions of race and ethnicity, particularly as race and ethnicity intersect with a variety of other social structures such as gender and class. Focuses on the historical legacy and current practices of institutionalized racism that have and continue to shape social relations in the U.S. Also listed as GS-252.

SO-261 Sociology of Family **Credits: 3**
Prerequisite(s): SO-101 or SO-225 or GS-225.
Term Offered: All Terms
Course Type(s): GS, SJS
Analysis of the institution of marriage and family in contemporary America with cross-cultural, sub-cultural, and historical references, including mate selection, family roles and relationships, parenthood, and childhood.

SO-271 Ethics, Justice and American Prisons **Credits: 3**
Prerequisite(s): SO-101
Term Offered: Fall Term
Course Type(s): SJS
Explores the rise of mass incarceration in the United States, with a critical look at the ethical, socio-cultural, political and economic factors that shape the American prison system today. The course is also the gateway course to The Monmouth University Academic Exchange Program, also referred to as MU-AEP, a collaborative effort between Monmouth University and the New Jersey Department of Corrections. This program, of which this course is a requirement, is offered by Monmouth University to help to facilitate a transformative exchange of ideas and perspectives between incarcerated students and non-incarcerated students and non-incarcerated students inside the New Jersey state prison. Also listed as CO-271.

SO-272 Economic Inequality **Credits: 3**
Prerequisite(s): SO-101
Term Offered: Spring Term
Course Type(s): CD, SI, SJS
Status, power, authority, and social mobility are the key concepts that sociologists use to study the role of social classes in contemporary, American society. The course covers notable studies of the American class system. It provides a close look at the power relations and lifestyles of various classes and considers the pervasive influence of class identity on social institutions.

SO-274 Global Inequalities **Credits: 3**
Prerequisite(s): SO-101 or PS-102
Term Offered: All Terms
Course Type(s): BI.EL, GLS, GU, RE, SJS, SUS
A sociological and political look at global inequalities. Explores diverse themes and aspects of a global society, including the forces that are causing and perpetuating global inequalities. It also looks at the social, political, economic, and cultural consequences of those inequalities. Also listed as PS-274.

SO-278 International Political Economy **Credits: 3**
Prerequisite(s): PS-102
Term Offered: Spring Term
Course Type(s): GLS, PSIP, RE
The role that international institutions, transnational actors, and foreign governments play in the production, distribution, and consumption of resources will be investigated. Since much of international political economy has to do with various thinkers and schools of thought, an appropriate emphasis will be given to some of the important works in the field. For example, we will be analyzing the contributions of Liberal, Marxist, and Statist thinkers and the various perspectives that have been used to analyze the way policies are made, agreements are reached, and resources distributed. Following the establishment of this theoretical framework, we will focus on the growth of regional integration, the role of hegemony in maintaining the stability of international systems, strategies of economic development, and the role of multinational and transnational companies in both the industrial and developing world. In essence, this course is concerned with looking at the relationship between power and wealth and the balance between the state and the market. Also listed as PS-278.

SO-280 Peer Tutoring **Credits: 1**
Course Type(s): None
Peer tutoring experience. Students will prepare course-related information for presentation to students in courses at the 100- or 200-levels. Peer tutors will meet weekly with a faculty supervisor and assigned students. Permission of the instructor required.

SO-298 Special Topics in Sociology (200 Level) **Credits: 1-3**
Prerequisite(s): SO-101
Term Offered: All Terms
Course Type(s): None
An intensive study of a particular subject or problem in sociology to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

SO-299 Independent Study in Sociology **Credits: 1-3**
Term Offered: Spring Term
Course Type(s): None
Guided readings on a topic not otherwise covered in the curriculum. Student must have a least a 2.50 cumulative G.P.A. Prior permission of the directing professor and department chair is required to take this course.

SO-302 Data Analysis for Social Sciences **Credits: 3**
Prerequisite(s): PS-250 or SO-250
Term Offered: Spring Term
Course Type(s): None
Introduces students to techniques used to evaluate social science data; addresses strategies for analyzing qualitative data and presents social science applications of quantitative techniques such cross tabulation, t-test, and regression. Students will learn to apply procedures to test hypotheses. Also listed as PS 302.

SO-307 Practicum in Applied Social Research **Credits: 3**
Prerequisite(s): PS-250 or SO-250
Term Offered: Spring Term
Course Type(s): SJS
An advanced introduction to the principles and methods of conducting social science research for the express purpose of solving social problems. Informed by sociological theories in the tradition of public sociology, students will explore a wide range of applied research strategies, including: community-based research (CBR); participatory action research (PAR); policy research; evaluation research; and power analyses for community organizing. The course also addresses key ethical, political and logistical challenges that shape the work of applied social scientists in the field.

SO-308 Resistance and Revolution: Exploring Social Movements & Social Change **Credits: 3**
Term Offered: All Terms
Course Type(s): SJS
Social movements are sustained efforts through which people act collectively to create or resist changes in political, social, economic, legal, and/or cultural systems, as well as specific institutions. Through a combination of theoretical exploration and case studies, this course is designed to generate an in-depth understanding of social movements of the past and the present. We will address questions such as: What events precipitate movements? How do political, social, economic and cultural forces shape movements and influence their outcomes? How have artistic works and creative tactics been used for pursuing social change? In what ways have social media changed the landscape of social action? How have social scientists researched and participated in movements? The course will also explore the work of organizing, strategizing, recruiting participants, leadership development, and tactical decision-making, in addition to the other forms of "on the ground" work within movements. Also listed as PS-308

SO-309 Sociology Internship Seminar **Credits: 3**
Term Offered: All Terms
Course Type(s): EX5
Provides an opportunity for students to apply classroom theory in practice through actual work experience. Includes both academic and experiential learning. The experiential part involves a minimum of 120 hours of work experience during the semester for three credit hours. The academic aspect includes maintaining a journal log and writing a final report.

SO-316 Policy Research **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
The principles of social research, with emphasis on an understanding of the policy-making or planning process; development of applied research skills, combining policy-making, implementation, and scientific or empirical research.

SO-320 Small Group Communication **Credits: 3**
Term Offered: Spring Term
Course Type(s): EX3
Students explore academic perspectives on the process of group communication, leadership, conflict, decision-making, and problem solving, then reflect on and apply these perspectives outside the classroom in the context of a service learning project. Also listed as CO-320.

SO-325 Survey Research Consulting **Credits: 3**
Prerequisite(s): PS-250 or SO-250 or CO-292 or SW-409 or PY-220 or CJ-315 or HLS-315 or HE-290 or NU-355 or permission of the instructor
Term Offered: All Terms
Course Type(s): None
Provides students with real-world experience in the application of social science methodology, specifically survey research. The course is designed to strengthen social science research methods skills as well as competencies in professional communication and collaboration. Students, as a class, will work on a small-scale project (e.g. needs assessment, program evaluation, marketing study, etc.) for a "client" - a non-profit organization, government agency, small business, or academic institute - who has agreed to collaborate as a service learning opportunity. The client is not paying for this service and understands the limitations of working with consultants-in-training. However, the course will strive to adhere to the highest standards in both survey research practice and the client-consultant relationship. Also listed as PS-325.

SO-331 Political Sociology **Credits: 3**
Prerequisite(s): SO-101
Course Type(s): None
Analysis of the interplay among political and social behavior, bureaucracies, voluntary associations, and government. The social basis of democracy; emphasis on conflict and consensus models of power.

SO-332 Gender and Sexual Identities **Credits: 3**
Prerequisite(s): SO-101
Term Offered: Spring Term
Course Type(s): CD, GS, SI, SJS
Draws on sociological and feminist theories of identity to question the definitions, constructions, deconstructions, ambivalences, and socially constructed nature of gender and sexual identities. In questioning such identities, this course aims at helping students understand the connections between gender and sexuality, and how those two social forces shape people's individual identities and the identities of others. Examines how structures of race, class, gender, and sexuality, and social institutions such as family and work shape gender and sexual identities. It pays particular attention to how ones' social location within power structures shapes personal identities. Also listed as SW-332.

SO-360 Political Economy in the Developing World **Credits: 3**
Prerequisite(s): PS-102 or PS-103
Term Offered: Spring Term
Course Type(s): PSIP, SJS
This course introduces undergraduate students to the core concepts, theories and debates of political economy in the context of developing world countries. The primary unit of analysis will be the national case study (i.e., Brazil or Indonesia) rather than the international system or international institutions (for example, World Bank, IMF or global financial markets.) The aim is to provide the intellectual tool set to evaluate questions and challenges of political and economic development and modernization across a range of national case studies from Latin America, the Caribbean, Africa, the Middle East and Asia. Also listed as PS-360.

SO-364 Law and Society **Credits: 3**
Prerequisite(s): SO-101 or PS-102 or PS-103
Term Offered: All Terms
Course Type(s): PSAL, SIN, SJL
The evolution of law, social forces influencing law, social impact of law, and law as an instrument of social control and social change. Also listed as PS-364.

SO-368 Applied Ethics in American Prisons **Credits: 3**
Prerequisite(s): SO-271 or CO-271
Term Offered: Spring Term
Course Type(s): SJS
The second in the sequence of the Monmouth University Academic Exchange Program, a collaborative effort between Monmouth University and the New Jersey Department of Corrections. This program, of which this course is a requirement, is offered by Monmouth University to help to facilitate a transformative exchange of ideas and perspectives on the topics of ethics and social issues between incarcerated students and non-incarcerated students inside a New Jersey prison. Also listed as CO-368.

SO-369 Feminist Theories **Credits: 3**
Prerequisite(s): SO-225 or GS-225
Course Type(s): GS
Advanced exploration of the major currents of feminist social theory as they have emerged from feminist movement histories in the U.S. and globally. Students will critically examine competing feminist explanations for the history and persistence of gender inequality, as well as deconstruct sex, gender, sexuality from a range of feminist perspectives. The course will also invite students to consider what it means to be "feminist" and how these meanings are connected to the relations and tensions between gender, sexuality, race/ethnicity, class, ability, and nation. In particular, students will compare and contrast key concepts and theoretical assumptions of major feminist theories with a commitment to intersectional analyses. Students will also apply feminist theory to better understand social relationships, organizations, and politics, and self-reflect on how course content applies to their lives as people situation within multiple social contexts and identities. Also listed as GS-369.

SO-371 International Service Seminar **Credits: 3**
Prerequisite(s): PS-102
Term Offered: Spring Term
Course Type(s): PSIP
Students will learn to unite theory and practice by studying theories and policies based on human security, and learning about their applications through service-learning projects. Students will enhance their understanding of human security by volunteering in international community organizations and reflecting on the social, political, and economic factors and policies that affect them. Also listed as SW-371, AN-371, and PS-371.

SO-375 Social Movements and Social Change **Credits: 3**
Prerequisite(s): 9 credits in Sociology
Course Type(s): None
Overview of major contemporary and classical theories of social change within an international and historical context; the social impact of change; effects of social variables on change processes; and assessment of predictive models of change.

SO-379 Work and Society **Credits: 3**
Prerequisite(s): 3 credits in Sociology
Term Offered: Spring Term
Course Type(s): SIN
An examination of the individual experience of work: socialization, occupational choice, career development, worker (dis)satisfaction, and unemployment; the organization of work: bureaucracy, professionalism, racism and sexism, theories of motivation, and the reward structure.

SO-390 Washington Center Internship **Credits: 7-12**
Term Offered: Spring Term
Course Type(s): EX5
This internship allows students in all majors to intern at government agencies, public service organizations, and business associations located in Washington, DC. Under the supervision of Washington Center supervisors and faculty, students gain substantive entry-level professional experience along with academic credit over the course of one semester. In general, students are required to intern in a government agency or public organizations four and a half days per week and attend educational seminars and workshops and participate in professional forums conducted by the Washington Center. In addition, students must complete learning objectives and assignments specified by Monmouth University faculty sponsors. Also listed as CO-390 and PS-390. Junior standing and a minimum G.P.A. of 2.50 is required to register for this course.

SO-393 Washington Center Course **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Students participating in a Washington Center Internship are required to enroll in a three credit seminar. A list of available courses is forwarded to all students prior to the beginning of the Fall, Spring, and Summer term. Regular offerings include: politics, professional communication, the fine and performing arts, and economics. Also listed as CO-393 or PS-393. Junior standing and a minimum G.P.A. of 2.50 is required to take this course.

SO-396 Sociology of Education **Credits: 3**
Prerequisite(s): SO-101 or higher level course OR Permission of the Instructor.
Term Offered: Spring Term
Course Type(s): None
This course encourages students to study education as a social institution using a sociological lens. The course introduces students to the study of education as a social institution, particularly examining how social inequalities such as race, class, gender, and sexuality shape educational experiences of youth today. Students will also examine the cultural, social, economic, and political structures that shape education as a social institution.

SO-397 The Sociology of Aging **Credits: 3**
Prerequisite(s): EN-101 and EN-102
Term Offered: All Terms
Course Type(s): EX5, WT
A service learning course that encourages students to become involved with the elderly population in the area. It introduces students to the sociological study of social gerontology or, more specifically, aging. Students will examine the cultural, social, and political structures that define the aging process and will study and practice ethnographic, life history in order to conduct life histories of seniors within the local community.

SO-398 Special Topics in Sociology (300 Level) **Credits: 1-3**
Prerequisite(s): PY 103 or GS-225 or SO-101
Term Offered: All Terms
Course Type(s): None
An intensive study of a particular subject or problem in sociology to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If there is a prerequisite it will be announced in the course schedule.

SO-399 Independent Study in Sociology **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Guided readings on a topic not otherwise covered in the curriculum. Students must have at least a 2.50 cumulative G.P.A. and prior permission of the directing professor and department chair to take this course.

SO-403 Theories of Society II **Credits: 3**
Prerequisite(s): EN-101, EN-102 and 9 credits in Sociology
Course Type(s): WT
The wide range of theoretical paradigms that characterized the discipline of sociology from the emergent period of modernity to our current postmodern era is investigated. In the first half of the course, the traditions of critical theory; structural functionalism; symbolic interactionism; and phenomenology as key schools of thought in the modernist period are examined. In the second half, the most contemporary, and overlapping, additions to the theoretical landscape in sociology in our study of feminist and gender theories; critical race theories; post-modernism; and global theoretical perspectives are examined. Throughout the course, there will be critical engagement in a kind of "sociology of knowledge" as we situate these central ideas and schools of thought in the classic theoretical traditions from which they may intellectually descend, as well as in the more current political and economic contexts that influenced the emergence of these contemporary perspectives.

SO-490 Sociology Thesis Proposal **Credits: 3**
Prerequisite(s): SO-101, 9 credits in Sociology and completion of fifty-seven credits
Term Offered: Spring Term
Course Type(s): None
Provides students with the opportunity to begin the process of conducting original research in sociology in which they will ultimately produce primary research, analyze data, and write up their findings, discussion, and conclusions. This course allows students to begin the work that they will complete in Sociology Thesis class (SO-491), thus ultimately resulting in a final Senior thesis. Students will write a comprehensive thesis proposal including an introduction and statement of purpose, theory section, literature review, and preliminary methods section.

SO-491 Sociology Thesis **Credits: 3**
Term Offered: Fall Term
Course Type(s): RD
Provides students with the opportunity to complete an original research project in sociology in which they will conduct primary research, analyze their data, and write up their findings, discussion, and conclusion. This course will also allow students to combine the work conducted in their proposal class (SO-490) with the work conducted in this semester, thus resulting in a complete Senior thesis. Students will present their work two times: once as practice for the class and a second time for members of the Department of Political Science and Sociology and invited guests. Hence, the goal of this course is to present a holistic perspective to students and serve as their gateway to future studies and plans.

SO-498 Special Topics in Sociology (400 Level) **Credits: 1-3**
Term Offered: Spring Term
Course Type(s): None
An intensive study of a particular subject or problem in sociology to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

SO-499 Independent Study in Sociology **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Guided readings on a topic not otherwise covered in the curriculum. Student must have at least at 2.50 cumulative G.P.A. and prior permission of the directing professor and department chair to take this course.

B.A. in Political Science (PS.BA)

Code	Title	Credits
Major Requirements/Political Science (33 credits)		
PS-102	International Relations	3
PS-103	American National Government	3
PS-250	Fundamentals of Social Science Research	3
(Satisfies Technological Literacy (TL) in General Education)		
Select 3 credits from Course Type: PSAM (American Politics)		3
Select 3 credits from Course Type: PSAL (American Legal System)		3
Select 3 credits from Course Type: PSPA (Public Policy)		3
Select 3 credits from Course Type: PSIP (International Relations)		3
Select 3 credits from Course Type: PSCG (Comparative Politics)		3
PS-221	Early Political Thought	3
or PS-222	Modern Political Thought	
or PS-224	Theories of Political Economy	
Select one of the following:		3
PS-309	Political Science Internship Seminar	
PS-289	Political Science Internship	
PS-371	International Service Seminar	
PS-383	Model UN Conference	
PS-389	Political Science Internship	
PS-489	Political Science Internship	
PS-401	Seminar in Political Science	3
(Political Science courses satisfy 6 credits of Social Science (SS.SV) in General Education)		
Free Electives (51 credits) [1]		
Select up to 51 credits of free electives [1]		51
General Education Requirements (36 credits) [2]		
Complete 36 credits as outlined on the General Education table. [2]		36
Total Credits		**120**

[1] *Please consult with your advisor regarding the required number of free electives that must be completed.*
[2] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(p. 44) courses must be completed.*

Notes

- 54 credits must be completed at the 200 level or higher.

Sequence Chart

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
Gen*Ed Historical Perspectives (HS.SV)	3	PS-103 American National Government (Gen*Ed Social Science Survey (SS.SV))	3

PS-102 International Relations	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
MA-xxx Gen*Ed Mathematics	3	Free Electives	6
FO-xxx Gen*Ed World Languages	3		
Semester Credits	**15**	**Semester Credits**	**15**

Second Year

Fall	Credits	Spring	Credits
EN-2xx Gen*Ed Literature (LIT)	3	Gen*Ed Aesthetics (AT) AR,DA,MU,TH	3
Gen*Ed Reasoned Oral Discourse (RD)	3	PS-xxx Political Science Course (Course type PSAL)	3
PS-xxx Political Science Course (Course type PSPA)	3	PS-xxx Political Science Course (Course type PSCG)	3
PS-xxx Political Science Course (Course type PSIP)	3	Free Electives	6
Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3		
Semester Credits	**15**	**Semester Credits**	**15**

Third Year

Fall	Credits	Spring	Credits
PS-xxx Political Science Course (Course type PSAM)	3	PS-250 Fundamentals of Social Science Research (Gen*Ed Technological Literacy (TL))	3
PS-221 Early Political Thought, 222, or 224	3	Free Electives	12
Gen*Ed Cultural Diversity (CD) or Global Diversity (GU)	3		
Free Electives	6		
Semester Credits	**15**	**Semester Credits**	**15**

Fourth Year

Fall	Credits	Spring	Credits
PR-4xx Gen*Ed Interdisciplinary Perspectives (ISP)	3	PS-401 Seminar in Political Science	3
Free Electives	12	PS-309, PS-371, PS-383, PS-289, PS-389, or PS-489 (Gen*Ed Experiential Education (ExEd)	3
		Free Electives	9
Semester Credits	**15**	**Semester Credits**	**15**

Total Credits 120

B.A. in Political Science and Education with Endorsements in Elementary and Teacher of Students with Disabilities (PS.EDEY.BA)

Code	Title	Credits
Major Requirements/Political Science (33 credits)		
(PS101 and PS103 Satisfies 6 credits for Social Science Survey Requirements in General Education)		
PS-102	International Relations	3
PS-103	American National Government	3
PS-250	Fundamentals of Social Science Research	3
(Satisfies Technological Literacy (TL) in General Education)		
Select 3 credits from Course Type: PSAM (American Politics)		3
Select 3 credits from Course Type: PSAL (American Legal System)		3
Select 3 credits from Course Type: PSPA (Public Policy)		3
Select 3 credits from Course Type: PSIP (International Relations)		3
Select 3 credits from Course Type: PSCG (Comparative Politics)		3
PS-221	Early Political Thought	3
or PS-222	Modern Political Thought	
Select one of the following:		3
PS-309	Political Science Internship Seminar	
PS-289	Political Science Internship	
PS-371	International Service Seminar	
PS-383	Model UN Conference	
PS-389	Political Science Internship	
PS-489	Political Science Internship	
PS-401	Seminar in Political Science	3
Major Requirements/Education (42 credits) [1]		
ED-250	Psychological and Philosophical Foundations of Education	3
EDS-330	Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
EDS-336	Classroom Management	3
EDL-326	Literacy Instruction in P-6 Educational Settings I	3
ED-320	Teaching Emergent Multilinguals in an Inclusive Classroom	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
EDL-327	Methods of Teaching Content Area Literacy in the Inclusive Elementary Setting: Language Arts & Social Studies	3
ED-360	Methods of Teaching Elementary Mathematics	3
ED-361	Methods of Teaching Science for Elementary School	3
EDS-338	Assessment Approaches, P-12	3
EDS-342	Instructional Methods and Materials for Students with Disabilities	3
EDS-350	Individualizing Curricula and Systematic Instruction for Special Education	3
Select 9 credits as follows: [2]		
ED-416 & 416S	Clinical Practice and Clinical Practice Seminar	9
Education Interdisciplinary Requirements (6 credits)		
(Satisfies Mathematics in General Education)		
MA-203	Foundations of Elementary Mathematics I	3
MA-204	Foundations of Elementary Mathematics II	3
Free Electives (9 credits) [3]		
Complete up to 9 credits of free electives. [3]		9
General Education Requirements (30 credits) [4]		
Complete 30 credits as outlined on the General Education table. [4]		30
Total Credits		**120**

[1] *Minimum grade of "C" required for Education Courses*

[2] *Students must complete the appropriate test requirement(s) with a passing score PRIOR to Clinical Practice.*

[3] *Please consult with your advisor regarding the required number of free electives that must be completed.*

[4] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(p. 44) courses must be completed.*

Additional Endorsements Available

- ESL - English as a Second Language - Elementary
- P-3 Early Childhood Endorsement
- MID-SS - Middle School Social Sciences

Notes

- 54 credits must be completed at the 200 level or higher.
- Education majors are required to have an overall GPA of 3.00 for State Certification.
- By state regulation, all Education Majors seeking content area endorsement must complete 30 content credits (12+ credits at the 300+ level).

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
Gen*Ed Historical Perspectives (HS.SV)	3	PS-103 American National Government (Gen*Ed Social Science Survey (SS.SV))	3
Gen*Ed Aesthetics (AT) AR,DA,MU,TH	3	ED-250 Psychological and Philosophical Foundations of Education	3
FO-xxx Gen*Ed World Language	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
PS-102 International Relations	3	Free Electives	3
Semester Credits	**15**	**Semester Credits**	**15**

Second Year

Fall	Credits	Spring	Credits
ED-320 Teaching Emergent Multilinguals in an Inclusive Classroom (Gen*Ed Reasoned Oral Discourse (RD) and Writing Intensive (WT)	3	EDS-330 Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood (Gen*Ed WT)	3
PS-xxx Political Science Course Type PSPA	3	EDL-326 Literacy Instruction in P-6 Educational Settings I	3
PS-xxx Political Science Course Type PSIP	3	PS-xxx Political Science Course Type PSAL	3
EN-2xx Gen*Ed Literature (LIT)	3	Political Science Course Type PSCG	3
MA-203 Foundations of Elementary Mathematics I (Gen*Ed Mathematics)	3	MA-204 Foundations of Elementary Mathematics II	3
Semester Credits	**15**	**Semester Credits**	**15**

Third Year

Fall	Credits	Spring	Credits
ED-361 Methods of Teaching Science for Elementary School	3	EDS-350 Individualizing Curricula and Systematic Instruction for Special Education	3
EDS-336 Classroom Management	3	EDS-338 Assessment Approaches, P-12	3
PS-xxx Political Science Course Type PSAM	3	PS-250 Fundamentals of Social Science Research (Gen*Ed Technological Literacy (TL)	3
PS-221 Early Political Thought or 222 (Gen*Ed Writing Intensive (WT)	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
Gen*Ed Cultural Diversity (CD) or Global Understanding (GU)	3	Free Elective	6
Semester Credits	**15**	**Semester Credits**	**18**

Fourth Year

Fall	Credits	Spring	Credits
EDL-327 Methods of Teaching Content Area Literacy in the Inclusive Elementary Setting: Language Arts & Social Studies (Gen*Ed WT)	3	ED-416 Clinical Practice (Gen*Ed EX)	8
ED-360 Methods of Teaching Elementary Mathematics	3	ED-416S Clinical Practice Seminar	1
PS-309, PS-371, PS-383, PS-289, PS-389, PS-489 (Gen*Ed Experiential Education (ExEd)	3	PS-401 Seminar in Political Science	3
EDS-342 Instructional Methods and Materials for Students with Disabilities	3		
PR-4xx Gen*Ed Interdisciplinary Studies (ISP)	3		
Semester Credits	**15**	**Semester Credits**	**12**

Total Credits 120

B.A. in Political Science and Education with Endorsement in Secondary Education in Social Studies (PS.EDS.BA)

Code	Title	Credits
Major Requirements/Political Science (33 credits)		
(Satisfies Social Science Survey (SS.SV) in General Education		
PS-102	International Relations	3
PS-103	American National Government	3
PS-250	Fundamentals of Social Science Research	3
(Satisfies Technological Literacy (TL) in General Education)		
Select 3 credits from Course Type: PSAM (American Politics)		3
Select 3 credits from Course Type: PSAL (American Legal System)		3
Select 3 credits from Course Type: PSPA (Public Policy)		3
Select 3 credits from Course Type: PSIP (International Relations)		3
Select 3 credits from Course Type: PSCG (Comparative Politics)		3
PS-221	Early Political Thought	3
or PS-222	Modern Political Thought	
Select one of the following:		3
PS-309	Political Science Internship Seminar	
PS-289	Political Science Internship	
PS-371	International Service Seminar	
PS-383	Model UN Conference	
PS-389	Political Science Internship	
PS-489	Political Science Internship	

PS-401	Seminar in Political Science	3
Major Requirements/Education (24 credits) [1]		
ED-250	Psychological and Philosophical Foundations of Education	3
EDS-330	Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
EDS-336	Classroom Management	3
ED-319	Content Literacy and Assessment	3
ED-320	Teaching Emergent Multilinguals in an Inclusive Classroom	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
Select 9 credits as follows: [2]		
ED-416 & 416S	Clinical Practice and Clinical Practice Seminar	9
Education Methods Requirements (6 credits) [1]		
ED-315	Digital Media and Instructional Technology Skills for Teachers	3
ED-371	Methods of Teaching Social Studies at the Secondary Level	3
Education Interdisciplinary Requirements (27 credits)		
GO-100	People, Places, and Environments: Introduction to Geography	3
(Satisfies Cultural Diversity (CD) in General Education)		
MA-105	Mathematical Modeling in the Social Sciences	3
(Satisfies Mathematics in General Education)		
SO-101	Introduction to Sociology	3
BE-200	Economics for Social Science	3
HS-101	Western Civilization in World Perspective I (Satisfies Historical Perspective (HS.SV) in General Education)	3
(Satisfies Historical Perspective (HS.SV) in General Education)		
HS-102	Western Civilization in World Perspective II	3
Satisfies Historical Perspective (HS.SV) in General Education)		
HS-201	United States History I	3
HS-202	United States History II	3
Select 1 History Elective Course Type: CD/GU		3
Free Electives (6 credits)		
Complete up to 6 credits of free electives [3]		6
General Education Requirements (24 credits)		
Complete 24 credits as outlined on the General Education table. [4]		24
Total Credits		**120**

[1] *Minimum grade of "C" required for Education Courses*

[2] *Students must complete the appropriate test requirement(s) with a passing score PRIOR to Clinical Practice.*

[3] *Please consult with your advisor regarding the required number of free electives that must be completed.*

[4] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which General Education courses must be completed.*

Additional Endorsements Available

- TSD - Teacher of Students with Disabilities - Secondary
- ESL - English as a Second Language - Secondary

Notes

- 54 credits must be completed at the 200 level or higher.
- Education majors are required to have an overall GPA of 3.00 for State Certification.
- By state regulation, all Education Majors seeking content area endorsement must complete 30 content credits (12+ credits at the 300+ level).

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
PS-102 International Relations	3	PS-103 American National Government (Gen*Ed Social Science Survey (SS.SV))	3
HS-101 Western Civilization in World Perspective I (Gen*Ed Historical Perspective (HS.SV))	3	ED-250 Psychological and Philosophical Foundations of Education	3
GO-100 People, Places, and Environments: Introduction to Geography	3	HS-102 Western Civilization in World Perspective II (Gen*Ed Historical Perspectives (HS.SV))	3
FO-xxx Gen*Ed World Language	3	SO-101 Introduction to Sociology (Gen*Ed Social Science Survey (SS.SV)	3
Semester Credits	**15**	**Semester Credits**	**15**

Second Year

Fall	Credits	Spring	Credits
ED-320 Teaching Emergent Multilinguals in an Inclusive Classroom (Gen*Ed Reasoned Oral Discourse (RD) and)	3	EDS-330 Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood (Gen*Ed WT)	3
MA-105 Mathematical Modeling in the Social Sciences (Gen*Ed Mathematics)	3	BE-200 Economics for Social Science	3
HS-201 United States History I	3	Gen*Ed Aesthetics (AT) AR,DA,MU,TH	3
EN-2xx Gen*ED Literature (LIT)	3	HS-202 United States History II	3
Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3	PS-xxx Political Science Course Type PSAL	3
Semester Credits	**15**	**Semester Credits**	**15**

Third Year

Fall	Credits	Spring	Credits
EDS-336 Classroom Management	3	ED-319 Content Literacy and Assessment (Gen*Ed WT)	3
PS-221 Early Political Thought or 222 (Gen*Ed Writing Intensive (WT))	3	PS-250 Fundamentals of Social Science Research (Gen*Ed Technological Literacy (TL)	3
PS-xxx Political Science Course Type PSAM	3	PS-xxx Political Science Course Type PSCG	3
PS-xxx Political Science Course Type PSIP	3	PS-xxx Political Science Course Type PSPA	3
HS-xxx Gen*Ed Cultural Diversity (CD) or Global Understanding (GU)	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
Semester Credits	**15**	**Semester Credits**	**15**

Fourth Year

Fall	Credits	Spring	Credits
ED-315 Digital Media and Instructional Technology Skills for Teachers	3	ED-416 Clinical Practice (Gen*Ed EX)	8
ED-371 Methods of Teaching Social Studies at the Secondary Level	3	ED-416S Clinical Practice Seminar	1
PR-4xx Gen*Ed Interdisciplinary Studies (ISP)	3	PS-401 Seminar in Political Science	3
PS-309, PS-371, PS-383, PS-289, PS-389, PS-489 (Gen*Ed Experiential Education (ExEd)	3		
Free Elective	6		
Semester Credits	**18**	**Semester Credits**	**12**

Total Credits 120

B.A. in Political Science with a Concentration in International Relations (PS.INT.BA)

Code	Title	Credits
Major Requirements/Political Science (33 credits)		
PS-102	International Relations	3
PS-103	American National Government	3
PS-250	Fundamentals of Social Science Research	3
(Satisfies Technological Literacy (TL) in General Education)		
Select 3 credits from Course Type: PSAM (American Politics)		3
Select 3 credits from Course Type: PSAL (American Legal System)		3
Select 3 credits from Course Type: PSPA (Public Policy)		3
Select 3 credits from Course Type: PSIP (International Relations)		3
Select 3 credits from Course Type: PSCG (Comparative Politics)		3
PS-221	Early Political Thought	3
or PS-222	Modern Political Thought	
or PS-224	Theories of Political Economy	
Select one of the following:		3
PS-309	Political Science Internship Seminar	
PS-289	Political Science Internship	
PS-371	International Service Seminar	
PS-383	Model UN Conference	
PS-389	Political Science Internship	
PS-489	Political Science Internship	
PS-401	Seminar in Political Science	3
(Political Science courses satisfy 6 credits of Social Science (SS.SV) in General Education		
Concentration Requirements/International Relations (9 credits)		
Select 3 credits from Course Type: PSCG (Comparative Politics)		3
Select 6 credits from Course Type: PSIP (International Relations)		6
Free Electives (42 credits) [1]		
Select up to 42 credits of free electives [1]		42
General Education Requirements (36 credits) [2]		
Complete 36 credits as outlined on the General Education table. [2]		36
Total Credits		**120**

[1] *Please consult with your advisor regarding the required number of free electives that must be completed.*

[2] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(p. 44) courses must be completed.*

Notes

- 54 credits must be completed at the 200 level or higher.

Sequence Chart

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
PS-102 International Relations	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
Gen*Ed Historical Perspectives (HS.SV)	3	PS-103 American National Government	3
MA-xxx Gen*Ed Mathematics	3	Free Electives	6
FO-xxx Gen*Ed World Language	3		
Semester Credits	**15**	**Semester Credits**	**15**

Second Year

Fall	Credits	Spring	Credits
EN-2xx Gen*Ed Literature (LIT)	3	Gen*Ed Aesthetics (AT) AR,DA,MU,TH	3
Gen*Ed Reasoned Oral Discourse (RD)	3	PS-xxx Political Science (Course Type PSAL)	3
PS-xxx Political Science (Course Type PSPA)	3	PS-xxx Political Science (Course Type PSCG)	3
PS-xxx Political Science (Course Type PSIP)	3	Free Electives	6
Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3		
Semester Credits	**15**	**Semester Credits**	**15**

Third Year

Fall	Credits	Spring	Credits
PS-xxx Political Science (Course Type PSAL)	3	PS-221 Early Political Thought, 222, or 224	3
PS-xxx Political Science (Course Type PSIP)	3	PS-250 Fundamentals of Social Science Research	3
Gen*Ed Cultural Diversity (CD) or Global Understanding (GU)	3	Free Electives	9
Free Electives	6		
Semester Credits	**15**	**Semester Credits**	**15**

Fourth Year

Fall	Credits	Spring	Credits
PS-xxx Political Science (Course Type PSIP)	3	PS-401 Seminar in Political Science	3
PS-xxx Political Science (Course Type PSCG)	3	PS-309 Political Science Internship Seminar, 371, 383, 289, 389, or 489 (Gen*Ed Experiential Education (ExEd)	3
PR-4xx GenEd Interdisciplinary Studies (ISP)	3	Free Electives	9

Free Electives	6		
Semester Credits	**15**	**Semester Credits**	**15**

Total Credits 120

B.A. in Political Science with a Concentration in Legal Studies (PS.LGS.BA)

Code	Title	Credits
Major Requirements/Political Science (33 credits)		
PS-102	International Relations	3
PS-103	American National Government	3
PS-211	Legal Analysis and Writing	3
Select 3 credits from Course Type: PSAM (American Politics)		3
Select 3 credits from Course Type: PSAL (American Legal System)		3
Select 3 credits from Course Type: PSPA (Public Policy)		3
Select 3 credits from Course Type: PSIP (International Relations)		3
Select 3 credits from Course Type: PSCG (Comparative Politics)		3
PS-221	Early Political Thought	3
or PS-222	Modern Political Thought	
or PS-224	Theories of Political Economy	
Select one of the following:		3
PS-309	Political Science Internship Seminar	
PS-289	Political Science Internship	
PS-371	International Service Seminar	
PS-383	Model UN Conference	
PS-389	Political Science Internship	
PS-489	Political Science Internship	
PS-401	Seminar in Political Science	3
(Political Science courses satisfy 6 credits of Social Science (SS.SV) in General Education)		
Concentration Requirements/Legal Studies (12 credits)		
PS-307	The American Judiciary	3
PS-311	Introduction to Constitutional Law	3
PS-312	Constitutional Law: Civil Rights	3
Select 3 credits from Political Science (PS)		3
Free Electives (36 credits) [1]		
Select up to 36 credits of free electives [1]		36
General Education Requirements (39 credits) [2]		
Complete 39 credits as outlined on the General Education table. [2]		39
Total Credits		**120**

[1] *Please consult with your advisor regarding the required number of free electives that must be completed.*

[2] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education (p. 44) *courses must be completed.*

Notes

- 54 credits must be completed at the 200 level or higher.

Sequence Chart

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
Gen*Ed Historical Perspectives (HS.SV)	3	Gen*Ed Natural Science (NS) BY,CE,PH,PL	3
PS-102 International Relations	3	PS-103 American National Government	3
MA-xxx Gen*Ed Mathematics	3	Free Electives	6
FO-xxx Gen*Ed World Lanaguages	3		
Semester Credits	**15**	**Semester Credits**	**15**

Second Year

Fall	Credits	Spring	Credits
EN-2xx Gen*Ed Literature (LIT)	3	Gen*Ed Aesthetics (AT) AR,DA,MU,TH	3
Gen*ED Reasoned Oral Discourse (RD)	3	PS-xxx Political Science Course Type PSAL	3
PS-xxx Political Science Course Type PSPA	3	PS-xxx Political Science Course Type PSCG	3
PS-xxx Political Science Course Type PSIP	3	Free Electives	6
Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3		
Semester Credits	**15**	**Semester Credits**	**15**

Third Year

Fall	Credits	Spring	Credits
PS-307 The American Judiciary	3	PS-221 Early Political Thought, 222, or 224	3
Gen*Ed Cultural Diversity (CD) or Global Understanding (GU)	3	PS-311 Introduction to Constitutional Law	3
PS-xxx Political Science Elective	3	PS-211 Legal Analysis and Writing	3
Free Electives	6	Free Electives	6
Semester Credits	**15**	**Semester Credits**	**15**

Fourth Year

Fall	Credits	Spring	Credits
PS-312 Constitutional Law: Civil Rights	3	PS-401 Seminar in Political Science	3
PR-xxx Interdisciplinary Perspectives (ISP)	3	PS-xxx Political Science Course Type PSAM	3
Free Electives	9	PS-309,PS-371,PS-383,PS-289,PS-389, or PS-489 (ExEd)	3
		Free Electives	6
Semester Credits	**15**	**Semester Credits**	**15**

Total Credits 120

B.A. in Sociology (SO.BA)

Code	Title	Credits
Major Requirements (33 credits)		
SO-101	Introduction to Sociology	3
(Satisfies Social Science (SS.SV) in General Education)		
SO-245	Theories of Society I	3
or SO-403	Theories of Society II	
SO-250	Fundamentals of Social Science Research	3
(Satisfies Technological Literacy (TL) in General Education)		

SO-302	Data Analysis for Social Sciences	3
SO-307	Practicum in Applied Social Research	3
Select 3 credits from Sociology at 100+ level		3
Select 9 credits from Sociology at 200+ level		9
Select 3 credits from Sociology at the 300+ level		3
SO-491	Sociology Thesis	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
Interdisciplinary Requirements (6 credits)		
MA-105	Mathematical Modeling in the Social Sciences	3
(Satisfies Mathematics in General Education)		
Select 3 credits from the following courses:		3
(Some of the courses included on the following list satisfy Cultural Diversity (CD) and Global Understanding (GU). If selected, the number of free electives will increase, please consult advisor)		
AN-267	Tourism Around the World	
AN-275	Global Environmental Problems	
AN-380	American Cultural Diversity	
BM-327	Ethics, Diversity, and Social Responsibility	
GO-267	Tourism Around the World	
PS-277	Gender and Politics	
PS-315	Urban Politics	
PS-330	Environmental Policy	
PS-377	A Comparative Study of Women in the World	
PY-207	Social Psychology	
SW-278	Family Violence	
SW-317	Racism, Sexism, and Social Welfare	
Free Electives (48 credits) [1]		
Select up to 48 credits of free electives [1]		48
General Education Requirements (33 credits) [2]		
Complete 33 credits as outlined on the General Education table. [2]		33
Total Credits		**120**

[1] *Please consult with your advisor regarding the required number of free electives that must be completed.*

[2] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education (p. 44) *courses must be completed.*

Notes

- 54 credits must be completed at the 200 level or higher.

Sequence Chart

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
SO-101 Introduction to Sociology (Gen*Ed Social Science Survey (SS.SV))	3	Gen*Ed Social Science (SS.SV)	3
Gen*Ed Historical Perspectives (HS.SV)	3	SO-xxx 100+ Level Sociology Elective	3
FO-xxx Gen*Ed World Language	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
Gen*Ed Aesthetics (AT) AR,DA,MU,TH	3	Free Elective	3
Semester Credits	**15**	**Semester Credits**	**15**

Second Year

Fall	Credits	Spring	Credits
Gen*Ed Cultural Diversity (CD) or Global Understanding (GU)	3	SO-245 Theories of Society I (OR SO-2xx Sociology Elective)	3
MA-105 Mathematical Modeling in the Social Sciences (Gen*Ed Mathematics)	3	SO-250 Fundamentals of Social Science Research (Gen*Ed Technological Literacy (TL))	3
SO-2xx+ Sociology Elective	3	Free Electives	9
Free Electives	6		
Semester Credits	**15**	**Semester Credits**	**15**

Third Year

Fall	Credits	Spring	Credits
SO-302 Data Analysis for Social Sciences	3	SO-200+ Sociology Elective	3
SO-403 Theories of Society II (OR SO-2xx+ Sociology Elective)	3	SO-307 Practicum in Applied Social Research	3
Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3	EN-2xx Gen*Ed Literature (LIT)	3
Free Electives	6	Free Electives	6
Semester Credits	**15**	**Semester Credits**	**15**

Fourth Year

Fall	Credits	Spring	Credits
SO-491 Sociology Thesis	3	SO-3xx+ Sociology Elective	3
PR-4xx Gen*Ed Interdisciplinary Perspectives	3	Free Elective (Gen*Ed Experiential Education (ExEd)	3
SO-2xx+ Sociology Elective	3	Free Electives	9
Free Electives	6		
Semester Credits	**15**	**Semester Credits**	**15**

Total Credits 120

B.A. in Sociology with a Concentration in Applied Research and Community Organizing (SO.ARCO.BA)

Code	Title	Credits
Major Requirements (33 credits)		
SO-101	Introduction to Sociology	3
(Satisfies Social Science (SS.SV) in General Education)		
SO-245	Theories of Society I	3
or SO-403	Theories of Society II	
SO-250	Fundamentals of Social Science Research	3
(Satisfies Technological Literacy (TL) in General Education)		
SO-302	Data Analysis for Social Sciences	3
SO-307	Practicum in Applied Social Research	3
Select 3 credits from Sociology at 100+ level		3
Select 9 credits from Sociology at 200+ level		9
Select 3 credits from Sociology at 300+ level		3
SO-491	Sociology Thesis	3

(Satisfies Reasoned Oral Discourse (RD) in General Education)		
Concentration Requirements (15 credits)		
SO/PS-107	Introduction to Social Justice	3
SO-207	Principles of Community Organizing	3
SO-308	Resistance and Revolution: Exploring Social Movements & Social Change	3
PS-105	Introduction to Public Policy	3
SW-205	Global Human Rights and Social Justice	3
Interdisciplinary Requirements (6 credits)		
MA-105	Mathematical Modeling in the Social Sciences	3
(Satisfies Mathematics in General Education)		
Select 3 credits from the following courses:		3
(Some of the courses included on the following list satisfy Cultural Diversity (CD) and Global Understanding (GU). If selected, the number of free electives will increase, please consult advisor)		
AN/GO-267	Tourism Around the World	
AN-275	Global Environmental Problems	
AN-380	American Cultural Diversity	
BM-327	Ethics, Diversity, and Social Responsibility	
PS-102	International Relations	
PS-277	Gender and Politics	
PS-315	Urban Politics	
PS-330	Environmental Policy	
PS-377	A Comparative Study of Women in the World	
PY-207	Social Psychology	
SW-278	Family Violence	
SW-317	Racism, Sexism, and Social Welfare	
Free Electives (33 credits) [1]		
Select up to 33 credits of free electives [1]		33
General Education Requirements (33 credits) [2]		
Complete 33 credits as outlined on the General Education table. [2]		33
Total Credits		**120**

[1] *Please consult with your advisor regarding the required number of free electives that must be completed.*

[2] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education (p. 44) *courses must be completed.*

Notes:

*54 credits must be completed at the 200-level or higher.

Sequence Chart

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
SO-101 Introduction to Sociology (Gen*Ed Social Science Survey (SS.SV)	3	SO-107 Introduction to Social Justice	3
Gen*Ed Historical Perspectives (HS.SV)	3	SO-1xx 100-Level Sociology Elective	3
Gen*Ed Aesthetics (AT) AR,DA,MU,TH	3	Gen*Ed Social Science Survey (SS.SV) (recommend PS-101, PS-103 or PY-101)	3
FO-xxx Gen*Ed World Language	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
Semester Credits	**15**	**Semester Credits**	**15**

Second Year

Fall	Credits	Spring	Credits
Gen*ED Cultural Diversity (CD) or Global Understanding (GU) (Note: Please review curriculum chart for Interdisciplinary Requirements. Some courses fulfill this requirement if chosen)	3	SO-2xx 200-Level Sociology Elective	3
PS-105 Introduction to Public Policy	3	SO-245 Theories of Society I or 403	3
MA-105 Mathematical Modeling in the Social Sciences	3	SO-250 Fundamentals of Social Science Research (Gen*Ed Technological Literacy (TL)	3
SO-2xx 200-Level Sociology Elective	3	SO-207 Principles of Community Organizing	3
Interdisciplinary Requirements (see curriculum chart)	3	SW-205 Global Human Rights and Social Justice	3
Semester Credits	**15**	**Semester Credits**	**15**

Third Year

Fall	Credits	Spring	Credits
SO-302 Data Analysis for Social Sciences	3	SO-307 Practicum in Applied Social Research	3
SO-2xx 200-Level Sociology Elective	3	SO-308 Resistance and Revolution: Exploring Social Movements & Social Change	3
Gen*Ed Natural Sciencd (NS) BY,CE,PH,SC,GL	3	SO-3xx 300-level Sociology Elective	3
Free Electives	6	EN-2xx Gen*Ed Literature (LIT)	3
		Free Elective	3
Semester Credits	**15**	**Semester Credits**	**15**

Fourth Year

Fall	Credits	Spring	Credits
SO-491 Sociology Thesis (Gen*Ed Reasoned Oral Discourse (RD)	3	Free Elective (Experiential Education ExEd)	3
PR-4xx Gen*Ed Interdisciplinary Perspectives (ISP)	3	Free Electives	6
Free Elective	3	Free Electives	6
Free Electives	6		
Semester Credits	**15**	**Semester Credits**	**15**

Total Credits 120

Minor in Gender and Intersectionality (MIN.GI)

Code	Title	Credits
Requirements (3 credits)		
GS/SO-225	Introduction to Gender Studies	3
Electives (12 credits)		
Select 12 credits from courses at the 200+ level designated with Course Type: GS		12
Total Credits		**15**

Minor in Political Science (MIN.PS)

Code	Title	Credits
Select 9 credits in Political Science (PS)		9
Select 6 credits in Political Science (PS); at the 300+ level		6
Total Credits		**15**

Minor in Pre-Law (MIN.PRLW)

Code	Title	Credits
PS-103	American National Government	3
Select 12 credits from courses designated PSAL and/or from the following courses:		12
BL-201	Legal Environment of Business I	
BL-202	Legal Environment of Business II	
CJ-305	Criminal Law	
CJ-317	Law of Evidence	
CJ-325	Criminal Procedure	
SO-364	Law and Society	
Total Credits		**15**

Note

- Political Science majors can only share 6 credits in this minor.

Minor in Public Policy (MIN.PO)

Code	Title	Credits
PS-105	Introduction to Public Policy	3
Select 12 credits from the following:		12
PS-104	Introduction to Policy Debate	
PS-108	Model United Nations	
BE-201	Microeconomics	
BE-202	Macroeconomics	
PS-202	State and Local Government	
PS-275	Politics and Policy of Latin America	
PS-278	International Political Economy	
PS-305	The American Congress	
PS-306	The American Presidency	
PS-307	The American Judiciary	
PS-330	Environmental Policy	
PS-350	American Political Economy	
PS-360	Political Economy in the Developing World	
PS-373	Comparative Politics in Asia	
PS-375	Islam and Politics	
PS-376	Comparative Politics of the Middle East	
PS-377	A Comparative Study of Women in the World	
PS-378	Ethics in International Relations	
PS-382	International Organizations	
PS-385	American Foreign Policy	
Total Credits		**15**

Note

- Political Science Majors can share up to 6 credits; 9 credits must be unique to the minor.

Minor in Social Justice (MIN.SJ)

Code	Title	Credits
PS/SO-107	Introduction to Social Justice	3
Select 6 credits from courses designated with Course Type: SJS		6
Select 6 credits from courses designated with Course Type: SJL		6
Select 3 additional credits from courses designated with Course Type: SJS or SJL		3
Total Credits		**18**

Minor in Sociology (MIN.SO)

Code	Title	Credits
Requirements (3 credits)		
SO-101	Introduction to Sociology	3
Electives (12 credits)		
Select one of the following Groups:		12
Group A		
Select 9 credits in Sociology (SO) at the 200 level or above		
Select 3 credits in Sociology (SO) at the 300 level or above		
Group B		
Select 6 credits in Sociology (SO) at the 200 level or above		
Select 3 credits in Sociology at the 300 level or above		
Select 3 credits from the following:		
AN-267	Tourism Around the World	
AN-275	Global Environmental Problems	
AN-380	American Cultural Diversity	
BM-327	Ethics, Diversity, and Social Responsibility	
GO-267	Tourism Around the World	
PO-330	Environmental Policy	
PS-102	International Relations	
PS-277	Gender and Politics	
PS-315	Urban Politics	
PS-330	Environmental Policy	
PS-377	A Comparative Study of Women in the World	
PY-207	Social Psychology	
PY-409	Leadership and Group Processes	
SO-102	Social Problems	
SW-278	Family Violence	
SW-317	Racism, Sexism, and Social Welfare	
Total Credits		**15**

Psychology

Chair: Christine J. Hatchard, Department of Psychology

The psychology curriculum focuses on the scientific study of behavior and mental processes. Majoring in psychology can lead to employment in business and industry (in fields such as human resources and applied research), social agencies, hospitals, and various other mental health settings. The curriculum provides excellent preparation for graduate school and a wide variety of career paths within and outside of psychology.

Student Honor Society: Psi Chi

Programs

Major

- B.A. in Psychology (p. 199)

Minor

- Childhood Studies (p. 200)
- Psychology (p. 201)

Faculty

Natalie Ciarocco, Professor. B.A., M.A., Ph.D., Case Western Reserve University. General area of interest in social psychology. Within social psychology, specializes in self-regulation and how it impacts interpersonal relationships.
nciarocc@monmouth.edu

Megan Delaney, Associate Professor (Graduate Faculty). Ph.D., Montclair State University. Research explores the influence of natural world on mental health and the use of ecotherapy in everyday clinical practice. Her other research interests inlcude feminism and relational-cultural therapy and grant writing competenciesin counselors and counselor educators. Dr. Delaney worked for over ten years as the Grants Coordinator for the College of Education and Human Services at Montclair State University where she helped faculty and staff submit over $150 million in grant proposals to federal, state agencies, foundations and corporations.
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Lisa Dinella, Professor. B.A., The College of New Jersey; M.S., Ph.D., Arizona State University. Licensed Marriage and Family Counselor. Interests include how gender development impacts individuals' life decisions and development, particularly in terms of education and career trajectories.
ldinella@monmouth.edu

Jamie Goodwin-Uhler, Specialist Professor. B.A., Susquehanna University; M.S., Loyola University; Ph.D., Ball State University. Research interests include attachment theory, friendships and relational aggression/victimization, gender issues and feminism, couples and family counseling, human sexuality, and sexual assault. Additional interest includes the psychological and sociocultural aspects of Internet fandom.
jgoodwin@monmouth.edu

Christine J. Hatchard, Associate Professor and Chair. B.A., Monmouth University; M.S., Psy.D., Chestnut Hill College. Specialization in object relations therapy and emotion, personality assessment, eating disorders, human sexuality, and therapeutic considerations in the context of mother-daughter sexual abuse.
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Robyn Holmes, Professor. B.A., M.A., Ph.D., Rutgers University. Specialization is in child development with a primary interest in children's play and ethnographic methods. Current research focuses upon relationship play and culture, play and learning, and recess, most recently in the Pacific Rim. Teaching and research interests include interdisciplinary and cross-cultural approaches.
rholmes@monmouth.edu

Gary Lewandowski, Professor. B.A., Millersville; M.A., Ph.D., State University of New York at Stony Brook. General area of interest is social psychology. Within social psychology, specializes in close romantic relationships, involving such topics as interpersonal attraction, love, relationship maintenance, and relationship dissolution. Specifically, research focuses on how entering, maintaining, and losing romantic relationships influences the self.
glewando@monmouth.edu

Lindsay Mehrkam, Associate Professor. B.A., Franklin and Marshall College; M.S., Ph.D., University of Florida. Primary areas of interest include animal behavior, behavior analysis, and human-animal interactions with an emphasis on how the environment influences play, agression, and stereotypic behavior in companion and exotic animals, how to promote behavioral choices and welfare of captive animals, and how to best conduct formal evaluations of training and enrichment practices in a vareity of animal settings, as well as the assessment of human-animal interactions in therapeutic applications and in broader soceity.
lmehrkam@monmouth.edu

Michele Van Volkom, Senior Lecturer. B.A., Seton Hall University; M.A., Ph.D., State University of New York at Albany. Current research interests include intergenerational and gender differences in communication and technology use. Research interests include family realtionships, especially the relationship between siblings, as well as the link between tomboyism in childhood and gender roles in adulthood.
mvanvolk@monmouth.edu

Courses

PY-103 Introduction to Psychology **Credits: 3**
Term Offered: All Terms
Course Type(s): SS.SV
The scientific study of behavior and mental processes, including motivation, emotion, intelligence, maturation, learning, personality, perception, and thinking.

PY-202 Career Preparation in Psychology **Credits: 1**
Term Offered: All Terms
Course Type(s): None
An orientation to career opportunities available with a background in psychology as well as preparation for employment and graduate/professional training in psychology. For Psychology majors only.

PY-203 Child Psychology **Credits: 3**
Prerequisite(s): PY-103
Term Offered: All Terms
Course Type(s): NU.EL
Physical and mental development from conception to early adolescence; motor, emotional, and social behavior; intelligence and language development; personality formation; play and other imaginative activities.

PY-204 Adolescent Psychology **Credits: 3**
Prerequisite(s): PY-103
Term Offered: All Terms
Course Type(s): NU.EL
Students are given up-to-date knowledge of the field of developmental psychology in general but particularly focuses on issues that are relevant to individuals as they transition from being children to young adolescents; as they go through the physical, emotional, cognitive, and social changes of adolescence; and finally as they experience emerging adulthood. It will enable students to understand, contrast, and critically evaluate various developmental theories that apply to adolescent development. Both the normative patterns of adolescent development and individual variability within these norms are covered.

PY-205 Psychology of Adulthood and Aging **Credits: 3**
Prerequisite(s): PY-103
Term Offered: Spring Term
Course Type(s): None
Development from mid-life to old age; physical, intellectual, social, emotional, and personality changes, interests, attitudes, and maladjustments with emphasis on later life.

PY-207 Social Psychology **Credits: 3**
Prerequisite(s): PY-103
Term Offered: All Terms
Course Type(s): None
A survey of human behavior and mental processes in their social context. Addresses interpersonal processes, including social influence, relationships, prosocial and antisocial behavior, prejudice, and group dynamics. Also addresses intrapersonal processes, including the self, social perception, social cognition, cognitive dissonance, and attitudes.

PY-208 Psychopathology **Credits: 3**
Prerequisite(s): PY-103
Term Offered: All Terms
Course Type(s): None
An examination of the theoretical and clinical perspectives underlying various psychological disorders, including etiology, symptoms and presentation, therapeutic recommendations, and an introduction to the diagnostic process.

PY-220 Research I: Methods and Basic Data Analysis Laboratory **Credits: 4**
Prerequisite(s): PY-103 and MA-101, or MA-105 or higher; and EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): TL, WT
Introduces students to the essence of the scientific method and the use of empirical inquiry. Students will be introduced to various issues concerning data collection and other method procedures used in psychology. Students will learn to appropriately summarize, describe, and analyze obtained data to test research hypotheses.

PY-230 History of Psychology **Credits: 3**
Prerequisite(s): PY-103
Term Offered: All Terms
Course Type(s): None
The historical development of psychology, including its relationship to other disciplines; the contributions of philosophy and the growth of scientific methodology.

PY-298 Special Topics in Psychology (200 Level) **Credits: 1-3**
Term Offered: Spring Term
Course Type(s): None
An intensive study of a particular subject or problem in psychology to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If there is a prerequisite for this course it will be announced in the course schedule.

PY-301 Psychology of Learning **Credits: 3**
Prerequisite(s): PY-103
Term Offered: All Terms
Course Type(s): None
Basic issues and methods in the scientific study of learning, with attention to major theories about mental and neural processes in conditioning, skill learning, and various types of cognitive learning and memory.

PY-302 Memory and Cognition **Credits: 3**
Prerequisite(s): PY-103 and PY-220
Term Offered: Spring Term
Course Type(s): None
Scientific study of mental processes, especially pertaining to the acquisition, retention, and use of knowledge and mental skills. Emphasis on memory, imagery, and natural language, with limited attention to developmental and individual differences.

PY-302L Memory and Cognition Thesis Laboratory **Credits: 1**
Prerequisite(s): PY-311 and PY-320 both passed with a grade of C or higher
Co-requisite(s): PY-302 and PY-491
Course Type(s): None
Techniques for the experimental study of memory, thought, and language processes. Includes pattern recognition, serial recall, memory organization, imagery, decision-making, and story schematization.

PY-304 Applied Behavior Analysis **Credits: 3**
Prerequisite(s): PY-103
Term Offered: All Terms
Course Type(s): None
This course is an introduction to the field of applied behavior analysis (ABA), which is dedicated to the application of behavioral principles and procedures to real-world problems and settings. The topics covered will include: the basic principles and techniques used in ABA, the application of these principles to a diverse range of clients (e.g., individuals with disabilities and addictions, industry workers, children in classrooms, captive animals) based on scientific literature, training caregivers to conduct treatments based on the science of behavior, and legal and ethical issues in the treatment of clients in a diverse society. Prerequisite: PY-103

PY-305 Theories of Personality **Credits: 3**
Prerequisite(s): PY-103
Term Offered: All Terms
Course Type(s): None
An introduction to methods for studying personality and building personality theories; psychodynamically oriented theories as well as biosocial, behavioristic, cognitive, humanistic, and existential approaches.

PY-305L Social and Personality Thesis Lab **Credits: 1**
Prerequisite(s): PY-207 or PY-305, and PY-311 and PY-320 all passed with a grade of C or higher
Term Offered: All Terms
Course Type(s): None
Research strategies used in the scientific study of personality and social psychology. Deals with the following topics: constructing surveys, writing quality question items, correlational design, two-group design, multigroup design, factorial design, within-subjects design, and the use of statistical methods in research. These topics will be covered in the context of student projects. Each student will design and carry out his or her own research project. Three hours per week.

PY-306 Introduction to Neurosciences **Credits: 3**
Prerequisite(s): PY-103 and 3 credits in Biology
Term Offered: All Terms
Course Type(s): None
The organization of the nervous system in terms of its anatomy, physiology, neurochemical correlates, and evolution; behavioral processes, such as attention, sleep, motivation, instinct, learning, and language.

PY-306L Neurosciences Thesis Laboratory **Credits: 1**
Prerequisite(s): PY-311 and PY-320 both passed with a grade of C or higher
Co-requisite(s): PY-306 and PY-491
Course Type(s): None
Human and animal neuroanatomy; surgical techniques, including lesion, stimulation, and perfusion; histology; drug and hormone administration; and physiological recording techniques. Three hours per week.

PY-310 Psychology Internship **Credits: 3**
Prerequisite(s): PY-208, PY-220, and completion of fifty-seven credits
Term Offered: All Terms
Course Type(s): EX5
Supervised, volunteer work in approved facilities, professional development and training and supervision provided by the agency in consultation with the psychology department.

PY-311 Research II: Behavioral Statistics and Laboratory **Credits: 4**
Prerequisite(s): PY-220 passed with a grade of C or higher
Term Offered: All Terms
Course Type(s): TL
A continuation in statistical concepts and application, including analysis of variance, nonparametric techniques, regression equations, correlations. Laboratory: Instruction in data analysis using SPSS (Statistical Package for the Social Sciences), training in software tools for formatting and presenting research findings.

PY-320 Research III: Experimental Methods and Laboratory **Credits: 4**
Prerequisite(s): PY-220 passed with a grade of C or higher; and EN-101 and EN-102, or permission of the instructor
Co-requisite(s): PY-311
Term Offered: All Terms
Course Type(s): WT
An introduction to theory and application of experimental methods in psychology. Three hours of lecture, two hours of individual laboratory work per week.

PY-321 Qualitative Research Methods **Credits: 4**
Prerequisite(s): PY-103
Term Offered: Spring Term
Course Type(s): WT
An interdisciplinary overview of qualitative research methods employed in the social sciences and education. Qualitative methods are offered as an alternative way of knowing about individuals and groups. Topics covered include: theory, fieldwork, interviewing, observational studies, time sampling, writing field notes, questionnaires (survey research), archival research, and conducting qualitative research in various settings. Emphasis also placed upon the factors that affect the fieldwork process (e.g., gender, emotions). Also listed as AN-321.

PY-322 Industrial Organizational Psychology **Credits: 3**
Prerequisite(s): PY-103
Term Offered: All Terms
Course Type(s): None
The application of psychological principles to human problems in business and industry: personnel psychology, counseling, motivation, supervision, organizational structure, efficiency, and engineering psychology.

PY-331 Psychology of Women **Credits: 3**
Prerequisite(s): PY-103
Term Offered: All Terms
Course Type(s): GS
The current state of knowledge about the psychology of women based on theoretical and empirical contributions from psycho-biology, personality, social and life-span psychology.

PY-331L Psychology of Women Thesis Lab **Credits: 1**
Prerequisite(s): PY-311, PY-320, both passed with a grade of C or higher; and either PY-331 or GS-225 or SO-225
Term Offered: All Terms
Course Type(s): None
Research strategies used in the study of the psychology of women. Deals with the following topics: constructing surveys, writing quality question items, two-group design, multigroup design, factorial design, within-subject design, correlational design, and the use of statistical methods in research. These topics will be covered in the context of student projects. Each student will design and carry out his or her own research project. Three hours per week.

PY-332 Psychology of the Male Experience **Credits: 3**
Prerequisite(s): PY-103
Term Offered: Spring Term
Course Type(s): GS
Examines stereotypes about men in Western society, many of which are challenged in the light of empirical research; theoretical and empirical contributions from personality, social and life-span psychology, and psychobiology; consideration of methods and sources of bias in research used in gender studies.

PY-335L Gender and Sex Roles Thesis Laboratory Credits: 1
Prerequisite(s): PY-103; and PY-311 and PY-320, both passed with a grade of C or higher
Co-requisite(s): PY-331 or PY-491 or PY-332
Term Offered: Spring Term
Course Type(s): GS
Research strategies used in the study of gender and sex roles. Projects include: methods of archival research, interview and survey techniques, naturalistic observation, and correlational and experimental procedures. Students also design and carry out their own research project, and prepare written and oral reports of the findings. Three hours per week.

PY-342 Children's Play and Culture Credits: 3
Prerequisite(s): PY-203
Term Offered: Spring Term
Course Type(s): None
An intensive examination of children's play. Theoretical and empirical contributions from psychology and anthropology as a developmental and cross-cultural foundation for the following topics: the historical development of the concept of childhood, theories of play, conceptions of play and work, the functions of play, play and child development, gender differences, cross-cultural forms of play, and children's peer cultures. Also listed as AN-342. Anthropology majors should register for AN-342.

PY-350 Evolutionary Psychology Credits: 3
Prerequisite(s): PY-103
Term Offered: All Terms
Course Type(s): None
The role of evolutionary thinking in human psychology, including ideas and evidence from animal behavior; topics include a brief history of socio-political resistance to Darwinian ideas, basic principles of evolutionary (population) biology, behavioral strategies affecting cognitive and social psychology, especially survival issues (feeding, predator avoidance), mating systems (attraction, mate retention, reproduction and rearing offspring), and social exchange issues. Exploration of potential application in other disciplines (medicine, law, history, marketing and economics).

PY-350L Evolutionary Psychology Thesis Laboratory Credits: 1
Prerequisite(s): PY-103; and PY-311 and PY-320 passed with a grade of C or higher
Co-requisite(s): PY-350 and PY-491
Term Offered: Spring Term
Course Type(s): None
Research strategies used in studying the role of evolution in human psychology. Projects include: methods of archival research, interview and survey techniques, naturalistic observation, correlational and experimental procedures. Students will design and carry out their own research project and prepare written and oral reports of the findings. Three hours per week.

PY-360 Intimate Relationships Credits: 3
Prerequisite(s): PY-207
Term Offered: All Terms
Course Type(s): None
Provides an overview of current theory and research in the field of intimate relationships. Focuses on topics such as: our need for relationships, interpersonal attraction, love, attachment, communication, relationship maintenance, relationship trajectories, relationship dissolution, jealousy, and extra-dyadic relationships. Special attention will be given to understanding these topics through the use of scientific journal articles.

PY-360L Intimate Relationships Thesis Laboratory Credits: 1
Prerequisite(s): PY-311 and PY-320 both passed with a grade of C or higher
Term Offered: All Terms
Course Type(s): None
Research strategies used in the study of intimate relationships. Deals with the following topics: constructing surveys, writing quality question items, two-group design, multi-group design, factorial design, within-subject design, and the use of statistical methods in research. These will be covered in the context of student projects. Each student will design and carry out his or her own research project. Three hours per week.

PY-370 Sensation and Perception Credits: 3
Prerequisite(s): PY-103 and PY-220
Course Type(s): None
Evolution of animal and human sensory systems and perceptual mechanisms and processes; current research data and person-machines comparisons.

PY-370L Sensation and Perception Thesis Laboratory Credits: 1
Prerequisite(s): PY-311 and PY-320 both passed with a grade of C or higher
Co-requisite(s): PY-370 and PY-491
Course Type(s): None
Basic laboratory techniques for the study of perceptual experiences. Includes sensory thresholds, intensity scaling, color judgments, visual shape and depth, visual illusions, brain lateralization, interactions among sensory modalities, and attention. Three hours per week.

PY-388 Cooperative Education: Psychology Credits: 3
Prerequisite(s): Thirty completed credits and a minimum G.P.A. of 2.00
Term Offered: Spring Term
Course Type(s): EX2
Provides students with an opportunity to apply classroom theory in practice through actual work experience. Placements are selected to forward the student's career interest through experiential education. Repeatable for credit. Departmental approval is required to take this course.

PY-389 Independent Internship in Psychology Credits: 1-3
Prerequisite(s): 21 credits in Psychology, Junior standing, overall GPA of 3.00, approval by the Psychology Department
Term Offered: All Terms
Course Type(s): EX1
Students apply the psychological concepts they have learned in the classroom and laboratory to work-related experiences. Working with the cooperation of the Life Career Advising Center and a faculty sponsor, the student will secure an internship site. On a volunteer basis, students will work 50 hours per credit per term at their internship sites. Students are required to develop learning objectives at the start of their internship, keep a journal of their internship experience throughout their placement, and write a final paper that includes an integrated review of the literature and reports their progress in meeting their learning objectives. Limited to Psychology majors.

PY-398 Special Topics in Psychology (300 Level) Credits: 1-3
Prerequisite(s): PY-103
Term Offered: All Terms
Course Type(s): None
An intensive study of a particular subject or problem in psychology to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If there is a prerequisite for this course it will be announced in the course schedule.

PY-398L Special Topics in Psychology Thesis Laboratory Credits: 1-3
Co-requisite(s): PY-491
Term Offered: All Terms
Course Type(s): None
An intensive study of a particular subject or problem in psychology to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis.

PY-399 Independent Study in Psychology Credits: 1-3
Term Offered: Fall Term
Course Type(s): None
Guided study of a selected topic in psychology not substantially treated in a regular course, under the direction of a member of the Psychology faculty. Prior permission of the directing professor and department chair is required to take this course.

PY-401 Introduction to Clinical Psychology Credits: 3
Prerequisite(s): PY-208 and PY-305
Term Offered: All Terms
Course Type(s): None
The application of psychological approaches to the study and treatment of behavior problems, diagnosis, therapeutic techniques, and the professional role of the clinical psychologist in society.

PY-401L Clinical Psychology Thesis Laboratory Credits: 1
Prerequisite(s): PY-208; and PY-311 and PY-320 both passed with a grade of C or higher
Co-requisite(s): PY-401 and PY-491
Course Type(s): None
A practicum in assessment and therapeutic techniques, incorporating standard research procedures used in clinical psychology. The scientific study of individual differences and their impact on behavior.

PY-404 Animal Behavior Credits: 3
Prerequisite(s): PY-103 or BY-103 or above passed with a grade of C- or higher
Course Type(s): None
Why and how animals (vertebrates and invertebrates) do the things they do. Emphasizes rules governing the evolution of behavior rather than mere description of how animals behave. Focus includes behavioral ecology, habitat selection, feeding strategies, predator-prey tactics, mating systems and strategies, social behavior (conflict and cooperation) and population dynamics. The course begins with a historical overview and ends with the evolution of human behavior. Also listed as BY-404.

PY-404L Animal Behavior Thesis Laboratory Credits: 1
Prerequisite(s): PY-311 and PY-320 both passed with a grade of C- or higher
Co-requisite(s): PY-404 or BY-404
Course Type(s): None
Methods in the study of animal behavior. Projects on instinctive behavior, early experience, learning, dominance relationships, territoriality, behavioral ecology, and sociobiology. One all-day field trip and an independent project will be required.

PY-407 Social Cognition Credits: 3
Prerequisite(s): PY-103
Term Offered: Spring Term
Course Type(s): None
Focus on social cognition, a research area within social psychology that studies the social and cognitive processes through which individuals notice, interpret, remember, and use information about their social world. Exploration of past and present social research, current theoretical understanding, and potential applications of important social-cognitive processes.

PY-407L Social Cognition Thesis Laboratory Credits: 1
Prerequisite(s): PY-311 and PY-320 both passed with a grade of C or higher
Co-requisite(s): PY-407 and PY-491
Course Type(s): None
Study and evaluation of empirical methods used in social cognition research. Students will critique published research and learn to identify and avoid common threats to the validity of their own research. Three hours per week.

PY-408 Cultural Psychology Credits: 3
Term Offered: Fall Term
Course Type(s): None
An interdisciplinary course that utilizes theoretical, empirical, and methodological contributions from psychology and anthropology to discuss the position of culture in understanding human behavior and thought. Culture is viewed as a cognitive construct that is learned, lived, shared, and performed. A sample of topics include: the history of cultural and cross-cultural psychology, methodological approaches, aggression, education, development, play, language, social relationships, intelligence, emotion, motivation, and mental health issues. Also listed as AN-408.

PY-409 Leadership and Group Processes Credits: 3
Prerequisite(s): PY-103 and PY-207
Term Offered: All Terms
Course Type(s): None
An introduction to the study of group dynamics, particularly with regard to leadership and power. Exploration of past and present research on groups; current theoretical understanding of important group processes, such as group formation, changes over time, group decision- making and performance, social influence, and intermember relations.

PY-409L Leadership and Group Processes Laboratory Credits: 1
Prerequisite(s): PY-103, PY-311, and PY-320 all passed with a grade of C or higher
Co-requisite(s): PY-409 and PY-491
Course Type(s): None
Study and evaluation of empirical methods used in group-dynamics research. Students will critique published research and learn to identify and avoid common threats to the validity of their own research. Three hours per week.

PY-411 Field Experience in Animal Behavior Credits: 3
Prerequisite(s): PY-103; and PY-220 passed with a grade of C or higher or permission of the instructor.
Term Offered: Spring Term
Course Type(s): EX1
Covers psychological principles that are relevant to the psychology of animal behavior, animal training, and learning, memory, and cognition. Students are exposed to - and engage in- research on animal behavior management and watch demonstrations of these principles on-site at Six Flags Safari with a selection of exotic animals. Students will explore careers in applied animal behavior and apply what they have learned to other vocations with humans, such as teaching and therapy, in weekly discussions. Students gain public speaking experience via facilitating educational outreach events and developing and executing training and enrichment plans to promote animal welfare. Instructor permission required. Students of other majors with permission of instructor. PY-103; and PY-220 passed with a grade of C or higher or permission of the instructor.

PY-423 Social Justice Journeys: Psychological Identity and Museum Exhibits **Credits: 3**
Prerequisite(s): PY-103.
Term Offered: All Terms
Course Type(s): None
By combining field trips to museums and classroom learning, students learn how we construct our psychological identities (e.g., gender, race and ethnic identities) and how images and exhibits in our society influence the cognitive processes underlying our identity development. Students will reflect on the impact of how historical events are retold on how we value ourselves and others. An intersectionality framework is employed. Career opportunities for psychology majors that overlap with museum science will be introduced.

PY-426 Theories of Childhood and Development **Credits: 3**
Prerequisite(s): PY-203, PY-320, and PY-321
Term Offered: Spring Term
Course Type(s): None
An overview of and evaluative approach to developmental theories and conceptions of childhood. The theoretical frameworks covered include: constructivism, learning theory, psychoanalysis, psychosocial, and ethological/evolutionary approaches. Theorists discussed include: Bowlby, Dewey, Erikson, Freud, Montessori, Piaget, Skinner, and Vygotsky.

PY-431 Psychological Tests and Measurements **Credits: 3**
Prerequisite(s): PY-103 and PY-220, both passed with a grade of C or higher
Term Offered: Spring Term
Course Type(s): None
Introduction to theory of measurement; its application to psychological and educational testing and exposure to frequently used tests with ethical and practical considerations. Prerequisites: PY-103 and PY-220, both passed with a grade of C or higher

PY-488 Cooperative Education: Psychology **Credits: 3**
Term Offered: All Terms
Course Type(s): EX2
Provides students with an opportunity to apply classroom theory in practice through actual work experience. Placements are selected to forward the student's career interest through experiential education. Repeatable for credit.

PY-489 Independent Internship in Psychology **Credits: 1-3**
Prerequisite(s): PY-208 and PY-220, and a minimum G.P.A. of 3.00
Term Offered: All Terms
Course Type(s): EX1
Working with the Department of Psychology's Field Placement Coordinator, the student will secure an internship site and be assigned a faculty sponsor. Students will intern fifty hours per credit per term in their placements. In collaboration with their faculty sponsor, students will develop learning objectives, maintain a journal and log of their hours, and submit assignments that demonstrate an advanced application of psychological concepts to their internship experiences. Weekly meetings with faculty sponsors are required. Limited to Psychology majors.

PY-490 Senior Seminar in Psychology **Credits: 3**
Prerequisite(s): PY-320 passed with a grade of C or higher and 18 credits in Psychology
Term Offered: Spring Term
Course Type(s): None
Readings, invited speakers, student presentations, and discussion of current and review topics in psychology. Course emphasis to vary with orientation of directing professor.

PY-491 Research IV: Thesis in Psychology **Credits: 2**
Prerequisite(s): PY-311 and PY-320 both passed with a grade of C or higher
Term Offered: All Terms
Course Type(s): None
Study and research in psychology under the supervision of a psychology faculty member, leading to the preparation of a senior thesis.

PY-498 Special Topics in Psychology (400 Level) **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
An intensive study of a particular subject or problem in psychology to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

PY-498L Special Topics in Psychology Thesis Laboratory **Credits: 1**
Course Type(s): None
An intensive study of a particular subject or problem in psychology to be announced prior to registration. If a prerequisite is required it will be announced in the course schedule.

PY-499A Independent Study in Psychology **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
Independent study in psychology (experimental) research under supervision of a faculty member. May be taken for a maximum of six credits. Junior standing and prior permission of the directing instructor and department chair are required to take this course.

PY-499B Independent Study in Psychology **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
Independent study in psychology (reading and theoretical) special project under supervision of a faculty member. May be taken for a maximum of six credits. Junior standing and prior permission of the directing instructor and department chair are required to take this course.

B.A. in Psychology (PY.BA)

Code	Title	Credits
Major Requirements/Psychology (39 credits)		
PY-103	Introduction to Psychology	3
(Satisfies Social Science (SS.SV) in General Education)		
Select 3 credits from the following:		3
PY-203	Child Psychology	
PY-204	Adolescent Psychology	
PY-205	Psychology of Adulthood and Aging	
PY-207	Social Psychology	3
PY-208	Psychopathology	3
Select 9 credits from Psychology 300+/400+ level (excluding PY-310 and PY-411)		9
Select 3 credits from the following:		3
PY-301	Psychology of Learning	
PY-302	Memory and Cognition	
PY-306	Introduction to Neurosciences	
PY-350	Evolutionary Psychology	
PY-370	Sensation and Perception	
PY-404	Animal Behavior	
PY-220	Research I: Methods and Basic Data Analysis Laboratory	4

PY-311	Research II: Behavioral Statistics and Laboratory	4
(PY-220 and PY-311 both satisfy Technological Literacy (TL) in General Education)		
PY-320	Research III: Experimental Methods and Laboratory	4
PY-491	Research IV: Thesis in Psychology	2
Select 1 credit of Psychology Thesis laboratory (PY-300L+)		1
Interdisciplinary Requirements (9 credits)		
MA-105	Mathematical Modeling in the Social Sciences	3
Students may select MA-105 or higher to satisfy this requirement.		
(Satisfies Mathematics in General Education)		
PL-101	Introduction to Philosophy	3
or PY-230	History of Psychology	
Select 3 credits of Social Science Elective (SS.SV)		3
(Satisfies Social Science (SS.SV) in General Education)		
Free Electives (39 credits) [1]		
Select up to 39 credits of free electives [1]		39
General Education Requirements (33 credits) [2]		
Complete 33 credits as outlined on the General Education table. [2]		33
Total Credits		**120**

[1] *Please consult with your advisor regarding the required number of free electives that must be completed.*

[2] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(p. 44) courses must be completed.*

Notes

- 58 credits must be completed at the 200 level or higher.

Sequence Chart

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
PY-103 Introduction to Psychology (Gen*Ed Social Science Survey (SS.SV)	3	MA-105 Mathematical Modeling in the Social Sciences (or higher)	3
Gen*Ed Historical Perspectives (HS.SV)	3	PY-203, PY-204, or PY-205	3
Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
FO-xxx Gen*Ed World Language	3	Free Elective	3
Semester Credits	**15**	**Semester Credits**	**15**

Second Year

Fall	Credits	Spring	Credits
PY-220 Research I: Methods and Basic Data Analysis Laboratory (Gen*Ed Technological Literacy (TL) and Writing Intensive (WT)	4	PY-311 Research II: Behavioral Statistics and Laboratory	4
PY-208 Psychopathology	3	PY-207 Social Psychology	3
EN-2xx Gen*Ed Literature	3	PY-230 History of Psychology or PL 101	3
Gen*Ed Reasoned Oral Discourse (RD)	3	Gen*ED Aesthetics (AT) AR,DA,MU,TH	3
Gen*Ed Social Science Survey (SS.SV)	3	Free Elective (Department highly recommends PY-202, Career Prep)	1
Semester Credits	**16**	**Semester Credits**	**14**

Third Year

Fall	Credits	Spring	Credits
PY-320 Research III: Experimental Methods and Laboratory	4	PY-300+ Psychology Elective (excludes PY-310 and PY-411)	3
PY-301, PY-302, PY-350, PY-370, PY-404 or PY306	3	PY-300+ Psychology Elective (excludes PY-310 nd PY-411)	3
Gen*Ed Cultural Diversity (CD) or Global Understanding (GU)	3	Free Elective	3
Free Elective (Gen*Ed Experiential Education (ExEd)	3	Free Electives	6
Free Elective	2		
Semester Credits	**15**	**Semester Credits**	**15**

Fourth Year

Fall	Credits	Spring	Credits
PY-300+ Psychology Elective (excludes PY-310 and PY-411)	3	PR-4xx Gen*Ed Interdsiciplinary Perspectives (ISP)	3
PY-300L+ Psychology Lab 300 Level	1	Free Electives	6
PY-491 Research IV: Thesis in Psychology	2	Free Electives	6
Free Elective	3		
Free Electives	6		
Semester Credits	**15**	**Semester Credits**	**15**

Total Credits 120

Minor in Childhood Studies (MIN.CHS)

Code	Title	Credits
PY-203	Child Psychology	3
or EDS-330	Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	
(Select EDS-330 if you are an Education major.)		
Select 15 Credits From:		15
AN-342	Children's Play and Culture	
AN-343	Anthropology and Children	
CJ-335	Juvenile Justice [1]	
or SO-24	Juvenile Delinquency	
EN-342	Children's and Young Adult Literature	
EN-416	Secret Gardens: Classic Children's Literature	
HE-212	Lifespan Development and Health [2]	
or NU-375	Health in Developing Countries: A Cross-Cultural Perspective	
PR-428	Children's Folklore	
PY-204	Adolescent Psychology	
PY-342	Children's Play and Culture	
PY-426	Theories of Childhood and Development	
SO-261	Sociology of Family	
SW-461	Culturally Diverse Child Welfare Practices	
Total Credits		**18**

[1] Substitution must be submitted for SO-243 Juvenile Delinquency (3 cr.) to fulfill.
[2] Substitution for HE-212 Lifespan Development and Health (3 cr.) must be submitted for course to fulfill.

Minor in Psychology (MIN.PY)

Code	Title	Credits
Requirements (3 credits)		
PY-103	Introduction to Psychology	3
Electives (15 credits)		
Select 9 credits from Psychology (PY); 200+ level		9
Select 6 credits from Psychology (PY); 300+ level		6
Total Credits		**18**

World Languages and Cultures

Chair: Julia Riordan Goncalves, Department of World Languages and Cultures

Student Honor Societies: Hispanic Honor Society: Sigma Delta Pi, Eta Pi Chapter; Italian Honor Society: Alpha Gamma Kappa

The World Language curriculum provides the opportunity to concentrate in Spanish, to minor in Italian, and to study in Arabic, Chinese, French, German, Irish, and Latin.

World Language Placement Policy [1]

- 101 – No more than two years of the language in high school[2]
- 102 – Three years of that language in high school or having completed 101[2]
- 201 – Four years of that language in high school or having completed 102, or AP with a score of "2" or lower[2]
- 202 – Having completed 201, or AP with a score of "3"[2]
- 300+ – Five or more years of that language, or AP with a score of "4" or higher
- Native speakers (students who speak Spanish, Italian, etc. as their first language) may not register in a class below the 201 level and should consult with the chair of the Department of World Languages and Cultures or the department advising coordinator for placement.
- Heritage speakers (students who verbally interacted with at least one parent in Spanish, Italian, etc.) may register in any course from 101 on upon consultation with the chair of the Department of World Languages or Cultures or the Department Advising Coordinator.

[1] Any student who registers for a language class and does not follow the policies will be administratively dropped and placed into the appropriate level.
[2] Foreign Language courses 101, 102, 201, 202 are sequential and may not be taken out of order.

For any questions or concerns regarding this policy, please call the Chair of the Department of World Languages and Cultures, Dr. Mirta Barrea-Marlys, at extension 5390 or the Department Advising Coordinator, Dr. Alison Maginn, extension 3612.

Note: FS-300A Advanced Spanish Conversation and Oral Discourse (3 cr.) is intended for non-native speakers of Spanish[1] and is a co-requisite for FS-300B Advanced Spanish: Composition and Conversation II (3 cr.), and a prerequisite for all other 300- and 400-level courses in Spanish. FS-300A Advanced Spanish Conversation and Oral Discourse (3 cr.) is designed to bridge the gap between lower- and upper-division courses by providing students with optimal opportunities to practice their oral language skills at the high intermediate/low advanced level. The course provides practice in all four language skills while placing special emphasis on conversation, listening, and oral presentation skills.

[1] Prerequisite: permission of instructor

Note: FS-300B Advanced Spanish: Composition and Conversation II (3 cr.) is a prerequisite for all 400-level courses in Spanish and should ideally be taken in the fifth or sixth semester of Spanish studies. The course is intended for both native and non-native speakers of Spanish and should be taken before or simultaneously with other 300-level courses in literature and culture. Non-native speakers of Spanish are required to take FS-300A Advanced Spanish Conversation and Oral Discourse (3 cr.) in the same semester as FS-300B Advanced Spanish: Composition and Conversation II (3 cr.).

Language Study Abroad

Students who wish to take language courses abroad are referred to the pertinent information appearing under *Study Abroad* in this catalog. Those who wish to participate in a Study Abroad program should begin making plans before their sophomore year and consult with their advisors in the department, where the necessary information is available.

Note: In courses numbered above 300, it is presumed that the student has taken 201-202 (Intermediate) or equivalent to assure adequate reading facility in the foreign language. These courses are conducted wholly in the foreign language, so that FS-300B Advanced Spanish: Composition and Conversation II (3 cr.) is regularly scheduled as a prerequisite or co-requisite to these courses. For courses numbered above 400, permission of the instructor may also be required. Please consult the departmental office.

Note: All Spanish majors must complete the Oral Proficiency Interview (OPI) coordinated by the department. For any questions concerning the OPI, please contact the Chair of the Department of World Languages and Cultures, Dr. Barrea-Marlys, extension 5390 or the Oral Proficiency Coordinator, Dr. Gac-Artigas, extension 3406.

Departmental Honors will be earned based on the following criteria being met:

- Overall GPA of at least 3.3.
- Major GPA of at least 3.5.
- Fulfillment of the intermediate level language requirement for Spanish majors.
- Two courses beyond those required for Spanish majors
  - One course chosen from a list of Spanish 300-400 level per thesis advisor.
  - One independent study (FS-499 Independent Study in Spanish (3 cr.)) to include writing of a thesis in consultation with a full-time World Languages and Cultures Department faculty member. Thesis will be orally presented and defended to a committee of at least three faculty members (two from the World Languages and Cultures Department full-time faculty).
- Thesis

- Thesis will be orally presented and defended to a committee of at least three faculty members (two from the World Languages and Cultures full-time faculty).
- Length: for students of the BA in Spanish, thesis must be fifteen pages in Spanish; and for students with Honor in Spanish and Honor School, thesis must be twenty-five pages in Spanish.
- Thesis must earn a "B" or better.

Programs

Majors

- B.A. in Spanish (p. 212)
- B.A. in Spanish with a Concentration in Communication (Journalism Cluster) (p. 213)
- B.A. in Spanish with a Concentration in Communication (Media Studies & Production Cluster) (p. 214)
- B.A. in Spanish and Education with Endorsements in Elementary and Teacher of Students with Disabilities (p. 217)
- B.A. in Spanish and Education with Endorsement in K-12 Education in Spanish (p. 215)

Minors

- Italian (p. 221)
- Spanish (p. 221)
- Spanish for Business (p. 222)

Certificates

- Certificate in Africana Studies (p. 218)
- Global Service, Leadership, and Development Certificate (p. 218)
- Spanish Language (p. 221)

Faculty

Mirta Barrea-Marlys, Associate Professor. B.A., Rutgers University; M.A., Villanova University; Ph.D., Romance Languages/Literature, University of Pennsylvania. Areas of specialization include Medieval through Eighteenth-Century Spanish Literature, Linguistics, Latin-American Theatre, and Latin-American Women Authors. Teaching and research interests include Linguistics, Methodology of foreign language teaching, second language acquisition, and Spanish and Italian language and culture.
mbarrea@monmouth.edu

Frank Domenico Cipriani, Specialist Professor. M.A., Applied Linguistics, S.U.N.Y. Stony Brook. Interests include Communication and Ethnomusicology, Interviews of Latin Grammy winners for the Grammy Museum, Pedagogy of Uncommonly Taught Languages, promotion of the Spanish Language in the community through radio and teaching Spanish Language/Linguistics.
fciprian@monmouth.edu

Alison Maginn, Professor. B.A., University of Ulster, Northern Ireland; M.A., Ph.D., University of Wisconsin-Madison. Teaching interests include proficiency-oriented language and contemporary Spanish literature and culture. Primary interest is in the narrative, poetry, and film of twentieth-century Spain. Current research focuses on the Spanish Civil War, women writers of post-dictatorship Spain, and Spanish cultural studies.
amaginn@monmouth.edu

Julia Riordan-Goncalves, Associate Professor and Chair. B.A., Dickinson College; M.A., Ph.D., University of North Carolina at Chapel Hill. Area of specialization is the twentieth-century Spanish novel, especially the novel written under the Franco dictatorship. Additional research interests are a Transatlantic approach to the novel written under dictatorship in Spain and Spanish America, sociological theory and the novel, women writing the Social Novel in Spain, and pedagogical approaches to teaching Spanish for Business.
jriordan@monmouth.edu

Courses

FA-101 Elementary Arabic 1 **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
Elements of language structure through oral and written practice in the classroom, supplemented by work in the language laboratory with emphasis on everyday Arabic and easy Arabic prose.

FA-102 Elementary Arabic 2 **Credits: 3**
Prerequisite(s): FA-101 or at least three years of high school Arabic or permission of the department chair.
Term Offered: Spring Term
Course Type(s): None
Elements of language structure through oral and written practice in the classroom, supplemented by work in the language laboratory with emphasis on everyday Arabic and easy Arabic prose.

FA-298 Special Topics in Arabic **Credits: 1-3**
Course Type(s): None
Students study text in the original language at an advanced level. Course content will vary from semester to semester. If a prerequisite is required it will be announced in the course schedule.

FA-299 Independent Study in Arabic **Credits: 1-3**
Term Offered: Spring Term
Course Type(s): None
Guided readings and research on an area or topic of the Arabic language, culture and/or literature selected in consultation with the instructor. Regular conferences with the instructor and written reports. Prior permission of the directing professor and department chair is required to take this course.

FC-101 Elementary Chinese I **Credits: 3**
Term Offered: All Terms
Course Type(s): None
An elementary-level communicative based language course in standard Chinese, which is called Mandarin to distinguish it from regional dialects, with simplified characters, the standard script in China. This course is an introduction to basic Mandarin Chinese grammar, vocabulary, and communicative structures, and students participate in pair, small group, and whole-class conversation, listening, comprehension and writing activities that focus on the meaningful and accurate conveying of information. This course is intended for students who have no previous knowledge of Mandarin Chinese or have placed into FC-101 through the World Languages placement exam; or Zero to one year of high school study of Chinese; No more than 4 years of high school study of Chinese.

FC-102 Elementary Chinese II **Credits: 3**
Prerequisite(s): FC-101 or Placement into FC-102 through the World Languages placement exam.
Term Offered: All Terms
Course Type(s): None
A continuation of Elementary Chinese I, this course is an elementary-level communicative based language course in standard Chinese, which is called Mandarin, to distinguish it from regional dialects with simplified characters, the standard script in China. A continuation of the introduction to basic Mandarin Chinese grammar, vocabulary, and communicative structures, this course is intended for students who have completed Elementary Chinese I or have placed into FC-102 through the World Languages placement exam. Students participate in pair, small group, and whole-class conversation, listening, comprehension and writing activities that focus on the meaningful and accurate conveying of information.

FC-199 Independent Study in Chinese **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Guided readings and research on an area or topic of Chinese language, culture and/or literature selected in consultation with the instructor. Regular conferences with the instructor and written reports. Prior permission of the directing professor and department chair is required to take this course.

FC-398 Special Topics in Chinese **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Elements of language structure through oral and written practice in the classroom, supplemented by work in the language laboratory with emphasis on everyday Chinese and easy Chinese prose. If a prerequisite is required it will be announced in the course schedule.

FF-LAB Conversation Practice **Credits: None**
Co-requisite(s): FF-201 or FF-202
Term Offered: All Terms
Course Type(s): None
Separate lab component from intermediate course(s). This is a pass/fail course.

FF-101 Elementary French I **Credits: 3**
Term Offered: All Terms
Course Type(s): None
An elementary-level, communicative-based language course, intended for students with no previous study of French or placement into the FF-101 level through the World Languages placement exam. Students with four or more years of high school study of French may not enroll in FF-101. FF-101 is to be taken before FF-102.

FF-102 Elementary French II **Credits: 3**
Prerequisite(s): FF-101
Term Offered: Spring Term
Course Type(s): None
An elementary-level, communicative-based language course, intended for students who have completed FF-101 or placed into FF-102 through the World Languages placement exam. FF-101 through FF-202 are sequential.

FF-199 Independent Study in French **Credits: 1-3**
Term Offered: Summer Term
Course Type(s): None
Guided readings and research on an area or topic of the French language, culture and/or literature selected in consultation with the instructor. Regular conferences with the instructor and written reports. Prior permission of the directing professor and department chair is required to take this course.

FF-201 Intermediate French I **Credits: 3**
Prerequisite(s): FF-102 or four years of high school French or placement into FF-201 through the World Languages placement exam.
Term Offered: Fall Term
Course Type(s): None
An intermediate-level, communicative-based language course. The FF-201/FF-202 course sequence emphasizes skill development in speaking, listening comprehension, reading, and writing in French through oral and written practice in the classroom and in small groups in the language laboratory. Through communicative and proficiency-building activities, students learn and review French grammar, vocabulary, and communicative structures. Students will also be introduced to Francophone literature and cultures through short literary and non-literary texts. Students who register for FF-201 must also register for a weekly session of conversation practice. FF-101 through FF-202 courses are sequential.

FF-202 Intermediate French II **Credits: 3**
Prerequisite(s): FF-201
Term Offered: Spring Term
Course Type(s): None
An intermediate-level, communicative-based language sequence. A review of French grammar, vocabulary and communicative structures, this course sequence (FF-201 and FF-202) emphasizes skill development in speaking, listening comprehension, reading, and writing in French through oral and written practice in the classroom and in the language laboratory. Students will also be introduced to French literature and culture through short literary and non-literary texts. FF-201 and FF-202 are sequential. Students who register for FF-202 must also register for a weekly session of conversation practice in the World Languages and Cultures Resource Center, coordinated by the Department of World Languages and Cultures.

FF-299 Independent Study in French **Credits: 3**
Course Type(s): None
Guided readings and research on an area or topic of the French language, culture and/or literature selected in consultation with the instructor. Regular conferences with the instructor and written reports. Prior permission of the directing professor and department chair is required to take this course.

FF-301 Survey of French Literature **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Survey of French Literature up to 1800.

FF-303 Advanced French Composition and Conversation **Credits: 3**
Prerequisite(s): twelve credits in French
Term Offered: Spring Term
Course Type(s): None
Oral and written use of correct, idiomatic French vocabulary building, oral discussion, composition, and instruction in the presentation of material.

FF-309 French Culture and Civilization **Credits: 3**
Course Type(s): None
Political, social, and other developments in France from the Middle Ages to 1800.

FF-312 Independent Readings in French **Credits: 1-3**
Course Type(s): None
Supervised readings in the original language for students who wish to do intensive work in their major field; materials are selected in consultation with the student's advisor from the major field, and the student confers regularly with an instructor from the language staff. This course is repeatable for credit.

FF-398 Special Topics in French **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Students study text in the original language. Course content will vary from semester to semester.

FF-399 Independent Study in French **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Guided readings and research on an area or topic of the French language, culture and/or literature selected in consultation with the instructor. Regular conferences with the instructor and written reports. Prior permission of the directing professor and department chair is required to take this course.

FF-499 Independent Study in French **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Guided readings and research on an area or topic of the French language, culture and/or literature selected in consultation with the instructor. Regular conferences with the instructor and written reports. Prior permission of the directing professor and department chair is required to take this course.

FG-LAB Conversation Practice **Credits: None**
Co-requisite(s): FG-201 or FG-202
Term Offered: Spring Term
Course Type(s): None
Separate lab component from intermediate course(s).

FG-101 Elementary German I **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
Elements of language structure through oral and written practice in the classroom, with emphasis on everyday German and easy German prose. This course is intended for students with no previous knowledge of German or who have placed into FG-101 through the World Languages placement exam.

FG-102 Elementary German II **Credits: 3**
Prerequisite(s): FG-101 or placement into FG-102 through the World Languages placement exam
Term Offered: Spring Term
Course Type(s): None
Elements of language structure through oral and written practice in the classroom, with emphasis on everyday German and easy German prose. This course is intended for students who have completed FG-101 or have placed into FG-102 through the World Languages placement exam.

FG-199 Independent Study in German **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Guided readings and research on an area or topic of the German language, culture and/or literature selected in consultation with the instructor. Regular conferences with the instructor and written reports. Prior permission of the directing professor and department chair is required to take this course.

FG-201 Intermediate German I **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
Review of grammar, vocabulary, and idiomatic expressions; skill development in reading and writing German through exercises in composition and the reading of modern German texts. Students who register for FG-201 must also register for a weekly session of conversation practice in the World Languages and Cultures Resource Center, coordinated by the Department of World Languages and Cultures.

FG-202 Intermediate German II **Credits: 3**
Prerequisite(s): FG-101
Term Offered: Spring Term
Course Type(s): None
Review of grammar, vocabulary, and idiomatic expressions; skill development in reading and writing German through exercises in composition and the reading of modern German texts. Students who register for FG-202 must also register for a weekly session of conversation practice in the World Languages and Cultures Resource Center, coordinated by the Department of World Languages and Cultures.

FG-299 Independent Study in German **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Guided readings and research on an area or topic of the German language, culture and/or literature selected in consultation with the instructor. Regular conferences with the instructor and written reports. Prior permission of the directing professor and department chair is required to take this course.

FG-499 Independent Study in German **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Guided readings and research on an area or topic of the German language, culture and/or literature selected in consultation with the instructor. Regular conferences with the instructor and written reports. Prior permission of the directing professor and department chair is required to take this course.

FH-101 Elementary Modern Hebrew I **Credits: 3**
Course Type(s): None
Elements of language structure through oral and written practice, supplemented by work in the language laboratory, with emphasis on everyday Hebrew.

FH-102 Elementary Modern Hebrew II **Credits: 3**
Prerequisite(s): FH-101 or some knowledge of the language
Term Offered: Spring Term
Course Type(s): None
Elements of language structure through oral and written practice, supplemented by work in the language laboratory, with emphasis on everyday Hebrew.

FH-299 Independent Study Hebrew **Credits: 1-3**
Course Type(s): None
Guided readings and research on an area or topic of the Hebrew language, culture and/or literature selected in consultation with the instructor. Regular conferences with the instructor and written reports. Prior permission of the directing professor and department chair is required to take this course.

FI-LAB Conversation Practice **Credits: None**
Co-requisite(s): FI-201 or FI-202
Term Offered: All Terms
Course Type(s): None
Separate lab component from intermediate course(s). This is a pass/fail course.

FI-101 Elementary Italian I **Credits: 3**
Term Offered: All Terms
Course Type(s): None
An elementary-level, communicative-based language course. This course is intended for students with no Italian or who have placed into FI-101 through the World Languages Placement exam. FI-101 and FI-102 are sequential.

FI-102 Elementary Italian II **Credits: 3**
Prerequisite(s): FI-101 or placement into FI-102 through the World Languages placement exam
Term Offered: All Terms
Course Type(s): None
An elementary-level, communicative-based language course, intended for students who have completed FI-101 or placed into FI-102 through the World Languages placement exam. FI-101 through FI-202 courses are sequential.

FI-199 Independent Study in Italian **Credits: 1-3**
Term Offered: Summer Term
Course Type(s): None
Guided reading and research on an area or topic. Prior permission of the directing professor and department chair is required to take this course.

FI-201 Intermediate Italian I **Credits: 3**
Prerequisite(s): FI-102 or placement into FI-201 through the World Languages placement exam
Co-requisite(s): FI-Lab
Term Offered: All Terms
Course Type(s): None
An intermediate-level, communicative-based language course. The FI-201/FI-202 course sequence emphasizes skill development in speaking, listening comprehension, reading, and writing in Italian through oral and written practice in the classroom and in small groups in the language laboratory. Through communicative and proficiency-building activities, students learn and review Italian grammar, vocabulary, and communicative structures. Students will also be introduced to Italian literature and culture through short literary and non-literary texts. Students who register for FI-201 must also register for a weekly session of conversation practice. FI-101 through FI-202 courses are sequential.

FI-202 Intermediate Italian II **Credits: 3**
Prerequisite(s): FI-201 or placement into FI-202 through the World Languages placement exam
Co-requisite(s): FI-LAB
Term Offered: All Terms
Course Type(s): None
An intermediate-level, communicative-based language course. The FI-201/FI-202 course sequence emphasizes skill development in speaking, listening comprehension, reading, and writing in Italian through oral and written practice in the classroom and in small groups in the language laboratory. Through communicative and proficiency-building activities, students learn and review Italian grammar, vocabulary, and communicative structures. Students will also be introduced to Italian literature and culture through short literary and non-literary texts. Students who register for FI-202 must also register for a weekly session of conversation practice. FI-101 through FI-202 courses are sequential. Prerequisite: FI-201 or placement into FI-202 through the World Languages placement exam

FI-299 Independent Study in Italian **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
Guided readings and research on an area or topic of the Italian language, culture and/or literature selected in consultation with the instructor. Regular conferences with the instructor and written reports. Prior permission of the directing professor and department chair is required to take this course.

FI-301 Introduction to Italian Literature **Credits: 3**
Prerequisite(s): FI-202
Term Offered: Spring Term
Course Type(s): None
Introduction to the most important periods of Italian literature. Organized through a selection of fundamental texts, from Medieval to contemporary, the course will also analyze the main genres of Italian literature: theatre, essay, short story, and poetry. Taught in Italian.

FI-303 Advanced Italian: Composition and Conversation I **Credits: 3**
Prerequisite(s): FI-202
Term Offered: All Terms
Course Type(s): None
Oral and written use of correct, idiomatic Italian vocabulary building, oral discussion, and instruction in the presentation of material.

FI-304 Advanced Italian: Composition and Conversation II **Credits: 3**
Prerequisite(s): FI-303
Term Offered: Spring Term
Course Type(s): None
Oral and written use of correct, idiomatic Italian vocabulary building, oral discussion, composition, and instruction in the presentation of material.

FI-398 Advanced Conversation and Composition Through Contemporary Italian Cinema and Literary Texts Literary Texts **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
Taught in Italian: This course examines various aspects of contemporary Italian language and culture through the discussion of contemporary Italian films and literary texts. This course advances students' knowledge of contemporary Italian society, culture, and language as well as their ability to comprehend rapid spoken Italian. Students will demonstrate an understanding of the relationship between the practices and the perspectives of Italian culture and language through written and oral analysis to communicate multifaceted social and cultural ideas in standard oral and written Italian thereby advancing their cultural and linguistic communicative skills and proficiencies.

FI-399 Independent Study in Italian **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
Guided readings and research on an area or topic of the Italian language, culture and/or literature selected in consultation with the instructor. Regular conferences with the instructor and written reports. Prior permission of the directing professor and department chair is required to take this course.

FI-499 Independent Study in Italian **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Guided readings and research on an area or topic of the Italian language, culture and/or literature selected in consultation with the instructor. Regular conferences with the instructor and written reports. Prior permission of the directing professor and department chair is required to take this course.

FIR-199 Independent Study in Irish **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
Guided readings and research on an area or topic of Irish language, culture and/or literature selected in consultation with the instructor. Regular conferences with the instructor and written reports. Prior permission of the directing professor and department chair is required to take this course.

FL-101 Elementary Latin I **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Elements of language structure and translation through oral and written exercises in the classroom, in addition to exploration of relevant cultural and historical context.

FL-102 Elementary Latin II **Credits: 3**
Prerequisite(s): FL-101 or 3 years of high school study in Latin
Term Offered: Spring Term
Course Type(s): None
Elements of language structure and translation through oral and written exercises in the classroom, in addition to exploration of relevant cultural and historical context. This course is intended for students who have completed FL 10I or have had 3 years of high study in Latin.

FL-199 Independent Study in Latin **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Guided readings and research on an area or topic selected in consultation with the instructor. Regular conferences with the instructor and written reports. Prior permission of the directing professor and department chair is required to take this course.

FL-299 Independent Study in Latin **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Guided readings and research on an area or topic selected in consultation with the instructor. Regular conferences with the instructor and written reports. Prior permission of the directing professor and department chair is required to take this course.

FO-COL Colloquium in Professional and Leadership Development **Credits: None**
Course Type(s): None
University administrators, as well as student participants, will present topics of interest to include mentoring students on professional interview preparation, resume review, and leadership experience. Students will network with other students, professors, and speakers from various branches of interest in the field of global volunteerism. This is a zero credit course with pass/fail grading.

FO-LTIOPI Oral Proficiency Interview - UG **Credits: None**
Term Offered: All Terms
Course Type(s): None
Language Testing International Examination for undergraduate students; requires one hour preparation a week. This is a pass/fail course.

FO-SSE Sector Specific Experience **Credits: None**
Course Type(s): NOSRCH
Students must accumulate a minimum of 50 hours of volunteer or work experience in their specific sector (Agriculture, Community Economic Development, Education, Environment, Health, Youth in Development). This is a zero credit course with pass/fail grading.

FO-198 Special Topics in World Languages and Cultures **Credits: 3**
Course Type(s): None
This is a special topics course offered through the World Languages and Cultures Department. Course content will vary from semester to semester. If a prerequisite is required it will be announced in the course schedule.

FO-199 Independent Study in Foreign Language **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
Guided readings and research on an area or topic selected in consultation with the instructor. Prior permission of the directing professor and department chair is required to take this course.

FO-298 Special Topics in Foreign Literature **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Reading in English translation of works by foreign authors. Topics may center on works by a single author or be chosen from a period or genre, and will vary from semester to semester. If a prerequisite is required it will be announced in the course schedule.

FO-299 Independent Study in Foreign Language **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
Guided readings and research on an area or topic selected in consultation with the instructor. Regular conferences with the instructor and written reports. Prior permission of the directing professor and department chair is required to take this course.

FO-311 Independent Readings **Credits: 1-3**
Course Type(s): None
Supervised readings in the original language for students who wish to do intensive work in their major field; materials are selected in consultation with the student's advisor from the major field, and the student confers regularly with an instructor from the language staff.

FO-312 Independent Readings **Credits: 1-3**
Prerequisite(s): FO-311
Course Type(s): None
Supervised readings in the original language for students who wish to do intensive work in their major field; materials are selected in consultation with the student's advisor from the major field, and the student confers regularly with an instructor from the World Languages and Cultures staff.

FO-389 Experiential Learning Internship **Credits: 1**
Term Offered: Fall Term
Course Type(s): EX1
An opportunity to apply classroom theory in practice through actual work experience with a World Language. Departmental approval is required to take this course.

FO-398 Special Topics in Foreign Literature **Credits: 1-3**
Term Offered: Spring Term
Course Type(s): None
Students study text in the original language. Course content will vary from semester to semester. Some knowledge of the language is required to take this course. If a prerequisite is required it will be announced in the course schedule.

FO-399 Independent Study in Foreign Language **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Guided readings and research on an area or topic selected in consultation with the instructor. Prior permission of the directing professor and department chair is required to take this course.

FO-427 The Teaching of World Languages **Credits: 3**
Term Offered: All Terms
Course Type(s): None
This course is designed to prepare the World Language teacher candidate's understanding of the ACTFL performance guidelines and standards together with their application and assessment in the classroom. Various modes of teaching language will be explored including meaningful integration of the ACTFL 5 C's and Integrated Performance Assessments into each lesson. Professional development is explored and students must complete a professional Development Plan that includes joining professional affiliations. Preparation for the edTPA is included in this course with one lesson in the target language to be presented and videotaped in class for self and group assessment. This course will include pedagogical strategies related to teaching linguistically diverse students, students with diverse needs, using instructional technology and using data to inform instruction. These components provide the students with valuable pre-teaching experiences that will strengthen understanding of teaching strategies and capabilities. Also listed as ED-427. Clinical hours are required.

FO-498 Special Topics in Foreign Languages **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Students study text in the original language at an advanced level. Course content will vary from semester to semester. If a prerequisite is required it will be announced in the course schedule.

FO-499 Independent Studies in the Teaching of World Languages **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Curriculum development in foreign languages at the elementary and secondary level; the study and application of teaching methods and materials. Prior permission of the directing professor and department chair is required to take this course.

FP-103 Elementary Portuguese for Business I **Credits: 3**
Course Type(s): None
Introduction to the elements of Portuguese language structure through oral and written practice in the classroom, supplemented by work in the language lab with emphasis on both spoken and written Portuguese relating to the business world.

FP-104 Elementary Portuguese for Business II **Credits: 3**
Prerequisite(s): FP-103
Term Offered: Spring Term
Course Type(s): None
Introduction to the elements of Portuguese language structure through oral and written practice in the classroom, supplemented by work in the language lab, with emphasis on both spoken and written Portuguese relating to the business world.

FS-LAB Conversation Practice **Credits: None**
Co-requisite(s): FS-201 or FS-202
Term Offered: All Terms
Course Type(s): None
Separate lab component from intermediate course(s). This is a pass/fail course.

FS-101 Elementary Spanish I **Credits: 3**
Term Offered: All Terms
Course Type(s): None
An elementary-level, communicative-based language course, intended for students with no previous study or knowledge of Spanish or placement into FS-101 through the World Languages placement exam. Students with four or more years of high school study of Spanish may not enroll in FS-101. FS-101 and FS-102 are sequential.

FS-102 Elementary Spanish II **Credits: 3**
Prerequisite(s): FS-101
Term Offered: All Terms
Course Type(s): None
An elementary-level, communicative-based language course, intended for students who have completed FS-101 or placed into FS-102 through the World Languages placement exam. FS-101 through FS-202 and FS-222 courses are sequential.

FS-198 Special Topics in Spanish **Credits: 1-3**
Course Type(s): None
Students study text in the original language. Course content will vary from semester to semester. If a prerequisite is required it will be announced in the course schedule.

FS-199 Independent Study in Spanish **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Guided readings and research on an area or topic selected in consultation with the instructor. Regular conferences with the instructor and written reports. Prior permission of the directing professor and department chair is required to take this course.

FS-201 Intermediate Spanish I **Credits: 3**
Prerequisite(s): FS-102 or placement into FS-201 through the World Languages placement exam
Co-requisite(s): FS-LAB
Term Offered: All Terms
Course Type(s): None
An intermediate-level, communicative-based language course. The FS-201/FS-202 course sequence emphasizes skill development in speaking, listening comprehension, reading, and writing in Spanish through oral and written practice in the classroom and in small groups in the language laboratory. Through communicative and proficiency-building activities, students learn and review Spanish grammar, vocabulary, and communicative structures. Students will also be introduced to Hispanic literature and cultures through short literary and non-literary texts. Students who register for FS-201 must also register for a weekly session of conversation practice. FS-101 through FS-202 and FS-222 courses are sequential.

FS-202 Intermediate Spanish II **Credits: 3**
Prerequisite(s): FS-201 or placement into FS-202 through the World Languages placement exam
Co-requisite(s): FS-LAB
Term Offered: All Terms
Course Type(s): None
An intermediate-level, communicative-based language course. The FS-201/FS-202 course sequence emphasizes skill development in speaking, listening comprehension, reading, and writing in Spanish through oral and written practice in the classroom and in small groups in the language laboratory. Through communicative and proficiency-building activities, students learn and review Spanish grammar, vocabulary, and communicative structures. Students will also be introduced to Hispanic literature and cultures through short literary and non-literary texts. Students who register for FS-202 must also register for a weekly session of conversation practice. FS-101 through FS-202 and FS-222 courses are sequential.

FS-222 Spanish for Health Care Professionals **Credits: 3**
Prerequisite(s): FS-201
Term Offered: All Terms
Course Type(s): HE.EL, NU.EL
Spanish for Health Professionals is an intermediate, communicative-based language course in which students learn and practice speaking, listening, reading and writing in Spanish within a Healthcare context. Through a variety of communicative and practical activities, students build proficiency in the Spanish language and acquire important vocabulary and communicative structures related to the Healthcare professions. Open to all students, FS-222 is of particular relevance to Health Studies, Nursing, Pre-Med and Science majors. FS-101 through FS-202 and FS-222 courses are sequential. Prerequisites: FS-201

FS-224 Introduction to Latin American Mass Communication **Credits: 3**
Course Type(s): None
Explores the history, technological evolution, and current issues in ways in which communicators and influencers in the Americas have told their stories and reflected their realities through the influence of the printed word, radio, television and digital media.

FS-289 Internship in Foreign Language **Credits: 1-3**
Term Offered: Fall Term
Course Type(s): EX1
Supervised practical experience in Spanish; repeatable for credit. Departmental approval and Junior standing are required to take this course.

FS-298 Special Topics in Spanish (200 Level) **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
Students study text in the original language at an advanced level. Course content will vary from semester to semester. If a prerequisite is required it will be announced in the course schedule.

FS-299 Independent Study in Spanish **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Guided readings and research on an ara or topic of the Spanish language, culture and/or literature selected in consultation with the instructor. Regular conferences with the instructor and written reports. Prior permission of the directing professor and department chair is required to take this course.

FS-300A Advanced Spanish Conversation and Oral Discourse **Credits: 3**
Prerequisite(s): FS-202 or placement into FS-300 through the World Languages placement exam
Co-requisite(s): FS-LAB
Course Type(s): None
Intended for non-native speakers of Spanish and is a pre and/or co-requisite for FS-300B Advanced Conversation and Composition and a pre-requisite for all other 300 and 400-level courses in Spanish. This course is designed to bridge the gap between lower and upper division courses by providing students with optimal opportunities to practice their oral language skills at the high intermediate level. The course provides practice in all four language functions while placing special emphasis on conversation, listening, and oral presentation skills. Students who register for FS-300A must also register for a weekly one hour conversation practice lab at the time of registration. Prerequisite: FS-202 or placement into FS-300 through the World Languages placement exam

FS-300B Advanced Spanish: Composition and Conversation II **Credits: 3**
Prerequisite(s): FS-202 or placement into FS-300 through the World Languages placement exam
Term Offered: All Terms
Course Type(s): None
This course is designed to bridge the gap between lower and upper division courses by providing students with optimal opportunities to practice and refine their writing and reading comprehension skills in Spanish at the high intermediate level. The course provides practice in all four language functions while placing special emphasis on writing, reading comprehension and analysis, and vocabulary building skills. Students who register for FS-300B must also register for a weekly one hour conversation practice lab at the time of registration. Prerequisite: FS-202 or placement into FS-300 through the World Languages placement exam

FS-301 Introduction to Hispanic Literature **Credits: 3**
Prerequisite(s): FS-300A or FS-318, FS-300B; and EN-101 and EN-102 or permission of the instructor
Term Offered: Spring Term
Course Type(s): WT
Introduction to the four principal genres of Hispanic literature. Fundamentals of literary analysis through a selection of texts from Medieval through contemporary Spanish literature, and Colonial through twentieth-century Latin American literature.

FS-304 Onstage and in the Streets: Performance and Culture Credits: 3
Course Type(s): CD, COCSD, COCST
Introduction to understanding diverse popular performance practices as unique and contested expressions of culture and identity. Studying human performances within everyday life, in public spaces, and through cultural rituals, street theatre, and professional productions, a variety of contemporary theories, methods, and critical issues are considered within the fields of communication, theatre, performance, and cultural studies. Students must be enrolled in the Study Abroad program in Cadiz, Spain. Also listed as CO-304.

FS-305 Survey of Spanish-American Literature Credits: 3
Prerequisite(s): FS-301 or permission of the department and EN-101 and EN-102, or permission of the instructor
Term Offered: Spring Term
Course Type(s): WT
Survey of Latin-American literature studying representative works from the Colonial period through the twentieth-century. Genres covered include novel, drama, poetry, essay, and short story. Taught in Spanish.

FS-307 Survey of Spanish Literature Credits: 3
Prerequisite(s): FS-301 or permission of the department chair
Term Offered: Spring Term
Course Type(s): None
Survey of Peninsular Spanish literature that focuses on drama, short story, and poetry from the Medieval period until the beginning of the eighteenth century. Emphasis will be on the drama of the Renaissance and Baroque periods incorporating playwrights such as Lope de Vega, Tirso de Molina, and Calderon de la Barca. In addition, poets and writers such as Garcilaso, Fray Luis, Santa Teresa, and Maria de Zayas are included. Taught in Spanish.

FS-308 Afro-Hispanic Literature Credits: 3
Prerequisite(s): One semester of a 300-level Spanish course
Term Offered: Spring Term
Course Type(s): None
This course examines the development of Afro-Hispanic Literature and visual documentation from the Colonial period to the present. We will study the materials according to their historical and political context and examine the literary forms, genres, and techniques by spanning a range of analyses of textual criticism, political rhetoric, poetry, music, fiction, and non-fiction. This course engages students interested in learning more about Afro-Hispanic cultures as expressed through the lens of its literature, documentaries, and the visual arts. Students will appreciate artistic creations by Afro-Hispanic authors and exercise their analytical and creative abilities. The course is taught in Spanish, and fulfills the FS-305 or FS-307 requirement for Spanish minors and majors.

FS-309 Culture and Civilization Spain Credits: 3
Prerequisite(s): FS-202 or FS-222 or placement into FS-300 through the World Languages placement exam
Term Offered: All Terms
Course Type(s): None
Study of the culture and civilization of Spain from pre-historic times to the present day. The first part of the course will present the major historical developments and artistic movements of the Iberian Peninsula with special focus placed upon the plastic arts (painting, architecture, sculpture). The second part of the course will focus on contemporary socio-cultural issues such as the Spanish economy, politics (dictatorship and democracy), society, and cultural life. Taught in Spanish. Prerequisite: FS-202 or FS-222 or placement into FS-300 through the World Languages placement exam

FS-310 Culture and Civilization of Latin America Credits: 3
Prerequisite(s): FS-202 or FS-222, and EN-101 and EN-102; or permission of the instructor
Term Offered: All Terms
Course Type(s): RE, WT
Study of the natural aspects and historical evolution of the culture and civilization of Latin American countries. Landmarks in the political, economic, cultural and social history of the continents are traced from the pre-colonial times to the present. Students are introduced to, and familiarized with, the world of Latin American history, life, thought, and feelings. Emphasis is given to aspects of Latin America today such as the new political and economic map in the twenty-first century, women's impact in politics, LGBT issues, religion, education, science and technology, music, art, and film. Conducted in Spanish.

FS-311 Independent Readings in Spanish Credits: 1-3
Term Offered: Spring Term
Course Type(s): None
Supervised readings in the original language for students who wish to do intensive work in their major field; materials are selected in consultation with the student's advisor from the major field, and the student confers regularly with an instructor from the language staff.

FS-312 Independent Readings in Spanish Credits: 1-3
Course Type(s): None
Supervised readings in the original language for students who wish to do intensive work in their major field; materials are selected in consultation with the student's advisor from the major field, and the student confers regularly with an instructor from the language staff.

FS-313 Introduction to Spanish for Business Credits: 3
Prerequisite(s): FS-202 or FS-222 or placement into FS-300 through the World Languages placement exam
Term Offered: Spring Term
Course Type(s): None
Designed to acquaint students with business practices, documents, culture, and terminology of Spanish-speaking countries (including the U.S.). Additionally, students will review and practice Spanish grammar, and learn about Hispanic culture(s) and current topics in the Hispanic business world. This course is designed to give intermediate and advanced students a solid foundation in business vocabulary, basic business and cultural concepts, and situational practice (all in Spanish) necessary to be successful in today's Spanish-speaking business world, which includes the United States. Class participants will acquire key communicative and structural elements through commercial dialogs, translations, advertisements, and role-plays. Prerequisite: FS-202 or FS-222 or placement into FS-300 through the World Languages placement exam

FS-314 Advanced Spanish for Health Care Professionals Credits: 3
Prerequisite(s): FS-202, FS-222 or placement into FS-300 through the World Languages placement exam
Term Offered: All Terms
Course Type(s): None
Advanced Spanish for Health Professionals is a high-intermediate communicative-based language course that satisfies a 300- level Spanish class for Health Studies, Nursing, Pre-Med or science majors, as well as for Spanish minors or majors. The course offers a continuation of study of Spanish grammar, vocabulary, and communicative structures as well as Hispanic cultures, within the context of the health professions. It is intended for students who have completed FS-202, FS-222 or have placed into FS-300 through the World Languages Placement exam. As a communicative-based course, the class is devoted to working in pairs, small group, and whole-class conversation/presentational activities that focus on meaningful and accurate communication of the material in the context of the health professions. Prerequisite: FS-202, FS-222 or placement into FS-300 through the World Languages placement exam

FS-315 Introduction to Spanish Linguistics Credits: 3
Prerequisite(s): FS-202 or FS-222 or placement into FS-300 through the World Languages placement exam
Term Offered: All Terms
Course Type(s): None
An introduction to the linguistic analysis of the Spanish language from the point of view of its internal organization and sound system, including study of accents, dialects, register and regional variations. Intended for Spanish majors and minors and will be conducted entirely in Spanish. Students will be introduced to the morphological study of the language; an introduction to Spanish phonetics in theory and practice will incorporate the history of the Spanish language from Latin to modern Spanish. Discussion of Hispanic dialectology and geolinguistics, accompanied by interviews and student analysis of native Spanish speech. Prerequisite: FS-202 or FS-222 or placement into FS-300 through the World Languages placement exam

FS-317 Cadiz y su sociedad (Social Issues in Cadiz) Mid-Level Credits: 3
Prerequisite(s): FS-202
Co-requisite(s): FS-300A or FS-300B
Term Offered: Summer Term
Course Type(s): None
Analysis of diverse social issues in Cadiz through readings, visual media, interaction with various social and governmental organizations and assemblies as well as community service. It will be taught in Spanish.

FS-318 Spanish Pronunciation, Voice, and Diction Credits: 3
Prerequisite(s): FS-202 or FS-222 or placement into FS-300 through the World Languages placement exam
Co-requisite(s): FS-LAB
Term Offered: All Terms
Course Type(s): None
An analytical, practical and hands-on study of contemporary Spanish pronunciation, conducted completely in Spanish. Students are introduced to the phonetics (the study of sounds) and phonology (the study of the sound system) of the Spanish language, and work to refine and improve their pronunciation, speech and presentational skills in Spanish. Prerequisite: FS-202 or FS-222 or placement into FS-300 through the World Languages placement exam

FS-398 Special Topics in Spanish Credits: 3
Term Offered: Spring Term
Course Type(s): None
Students study text in the original language. Course context will vary from semester to semester.

FS-399 Independent Study in Spanish Credits: 1-3
Term Offered: All Terms
Course Type(s): None
Guided readings and research on an area or topic of Spanish language, culture, and/or literature selected in consultation with the instructor. Regular conferences with the instructor and written reports. Prior permission of the directing professor and department chair is required to take this course.

FS-402 Advanced Spanish Conversation and Oral Proficiency Credits: 3
Prerequisite(s): One semester of a 300-level Spanish course.
Term Offered: Fall Term
Course Type(s): None
Advanced conversational practice in Spanish and review of Spanish grammar and vocabulary. This course focuses on the improvement of oral and aural communication skills in Spanish and aims to prepare students to achieve an oral proficiency rating of Advanced Low or higher, according to the ACTFL scale. This course is intended for Spanish and Spanish/Education majors, and Spanish minors.

FS-403 Spanish Literature of the Eighteenth and Nineteenth Centuries Credits: 3
Term Offered: Spring Term
Course Type(s): FS.LT
Novels, drama, and poetry, with emphasis on the works of Iriarte, Moratin, Espronceda, Zorrilla, Becquer, Galdos, and others.

FS-404 Spanish Literature of the Twentieth Century Credits: 3
Term Offered: Spring Term
Course Type(s): FS.LT
The evolution of Spanish literature from the Generation of 1898 to the present; analysis of the drama, novel, and poetry of the period.

FS-405 The Spanish-American Short Story Credits: 3
Prerequisite(s): FS-301 or permission of the instructor; and EN-101 and EN-102 or permission of the instructor
Term Offered: Spring Term
Course Type(s): FS.LT, WT
A critical study of the cuento (short story) in Spanish America. Major authors and trends are studied in historical and social contexts. By studying a significant number of short stories by authors both male and female from different countries, students will become acquainted with the development of this genre in Spanish America and get to know some of the most representative authors of the genre. They will learn to use different critical approaches to analyze their work. Readings will include, among others, works by: Isabel Allende, Mario Benedetti, Jorge Luis Borges, Rosa Maria Britton, Rosario Castellanos, Martha Cerda, Julio Cortazar, Jose Donoso, Rosario Ferre, Renee Ferrer, Gabriel Garcia Marquez, Jose Luis Gonzalez, Angelica Gorodischer, Liliana Heker, Elena Poniatowska, Horacio Quiroga, Juan Rulfo, Luisa Valenzuela, and Bella Clara Ventura. Taught in Spanish.

FS-406 Cervantes Credits: 3
Term Offered: Spring Term
Course Type(s): FS.LT
Analytical readings in Cervantes' Entremeses, Novelas Ejemplares, and Don Quixote.

FS-407 The Spanish-American Novel I Credits: 3
Course Type(s): FS.LT
The development of the novel in Spanish-America. Semester I: movements in the nineteenth century, the novel of the Mexican Revolution. Semester II: the novel of the twentieth and twenty-first centuries. Conducted in Spanish.

FS-408 The Spanish-American Novel II **Credits: 3**
Term Offered: Spring Term
Course Type(s): FS.LT
The development of the novel in Spanish-America. Semester I: movements in the nineteenth century, the novel of the Mexican Revolution. Semester II: the novel of the twentieth and twenty-first centuries. Conducted in Spanish.

FS-409 Advanced Spanish: Grammar and Stylistics **Credits: 3**
Prerequisite(s): FS-300A and FS-300B; or FS-313
Course Type(s): None
Focuses on the study of advanced grammar and style through writing, translation, and oral practice in Spanish. It is intended for majors and for teachers or students intending to teach. (Native Spanish speakers only need to take FS-300B with departmental approval).

FS-410 Contemporary Spanish-American Women Writers **Credits: 3**
Prerequisite(s): 6 credits in Spanish above the 300 level or permission of the instructor
Term Offered: All Terms
Course Type(s): FS.LT
A survey of the literature written by contemporary Spanish-American women writers. Texts examined will cover the genres of novel, short story, and poetry. Consideration of "women's" language and discourse, the relations between gender and writing considered within a historical context, and critical and theoretical aspects of gender and writing. Readings will include, among others, works by Claribel Alegria, Isabel Allende, Carmen Boullosa, Rosario Castellanos, Laura Esquivel, Rosario Ferre, Renee Ferrer, Elena Garro, Angelica Gorodischer, Liliana Heker, Silvia Molina, Cristina Peri-Rossi, Elena Poniatowska, Laura Restrepo, Marcela Serrano, Rosina Valcarcel, Zoe Valdes, Ana Lydia Vega.

FS-411A Writing for the Media in Spanish **Credits: 3**
Prerequisite(s): CO-211 and CO-215
Co-requisite(s): FS-301, FS-300B, and FS-LAB
Term Offered: Spring Term
Course Type(s): WT
Focus on writing for all Spanish media (print and online news, television, radio). Fundamentals of news writing, news editing, online journalism, editorial writing, and feature writing will be studied. The class will be conducted in Spanish.

FS-411B Writing for the Media in Spanish **Credits: 3**
Prerequisite(s): CO-102 and CO-350
Co-requisite(s): FS-301, FS-300B, and FS-LAB
Course Type(s): None
Conducted in Spanish, focus will be on writing for all Spanish media (print and online news, television, and radio). Fundamentals of news writing, news editing, online journalism, editorial writing, and feature writing will be studied.

FS-412 Advanced Business Spanish I **Credits: 3**
Prerequisite(s): FS-313
Term Offered: All Terms
Course Type(s): None
Introduces the terminology and the techniques used in commercial transactions, including interpretation and writing of business materials. Enhances students' ability to function effectively in an increasingly important commercial language environment, locally in the United States as well as abroad, in any Spanish-speaking country. Develops students' geographic literacy and cultural understanding of the Spanish-speaking world, as these are central to being able to successfully conduct business in Spanish. Concentrates on vocabulary and linguistic and cultural background needed when dealing with subjects such as goods and services, marketing, finance, foreign market, and import-export.

FS-413 Advanced Business Spanish II **Credits: 3**
Prerequisite(s): FS-313; and EN-101 and EN-102 or permission of the instructor
Term Offered: Spring Term
Course Type(s): WT
Introduces the terminology and the techniques used in commercial transactions, including interpretation and writing of business materials. Enhances students' ability to function effectively in an increasingly important commercial-language environment, locally in the United States as well as abroad, in any Spanish-speaking country. Develops students' geographic literacy and cultural understanding of the Spanish-speaking world, as these are central to being able to successfully conduct business in Spanish. Concentrates on vocabulary and linguistic and cultural background needed when dealing with subjects such as goods and services, marketing, finance, foreign market, and import-export.

FS-414 Current Issues in Business in the Spanish-Speaking World **Credits: 3**
Prerequisite(s): FS-300A and FS-300B; or FS-313
Term Offered: All Terms
Course Type(s): None
Explores various topics and aspects of current business conditions, thought and policy in Spanish-America, Spain and the United States. Intended for students majoring in Spanish and International Business and any Spanish major interested in learning more about current topics in business of the Spanish speaking world. With department approval, native Spanish speakers only need to take FS-300B.

FS-415 The Literature and Culture of Post-Franco Spain **Credits: 3**
Prerequisite(s): FS-300B and FS-301
Term Offered: All Terms
Course Type(s): FS.LT
An in-depth analysis of the literary and cultural scene in contemporary Spain in light of the after-effects of the Spanish Civil War and subsequent forty-year dictatorship. Will consider particular problems and issues that have arisen in democratic Spain through close readings and discussions of some of the most significant narrative and cinematic texts of the Post-Franco period including relevant literary and cultural criticism. Will be taught completely in Spanish.

FS-416 Medieval and Golden Age of Spanish Literature **Credits: 3**
Prerequisite(s): FS-301, FS-300B, and either FS-305 or FS-307 or permission of the department
Term Offered: Spring Term
Course Type(s): FS.LT
An in-depth study of three periods of Spanish Peninsular literature: Medieval, Golden Age, and Baroque. Works include Poema de Mio Cid, La Celestina, La vida de Lazarillo de Tormes and other picaresque novels. The poetry of Gongora and Quevedo will also be studied. Taught in Spanish.

FS-417 Cadiz y su sociedad (Social Issues in Cadiz) Advanced Level **Credits: 3**
Prerequisite(s): FS-300A and FS-300B
Term Offered: Summer Term
Course Type(s): FS.LT
Offered in Spanish, this course analyzes diverse social issues in Cadiz within the framework of contemporary Spanish society. A significant component of the course includes consultation and collaboration with governmental and non-governmental agencies and community service.

FS-489 Internship in Foreign Language **Credits: 3**
Term Offered: Spring Term
Course Type(s): EX1
Supervised practical experience in Spanish; repeatable for credit. Departmental approval and Junior standing are required to take this course.

FS-498 Special Topics in Spanish (400 Level) **Credits: 3**
Term Offered: All Terms
Course Type(s): None
In this course, students will review advanced Spanish grammar through cultural and literary expression with an emphasis on the role of social poetry. The art of poetic translation will be an important component.

FS-499 Independent Study in Spanish **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Guided readings and research on an area or topic of Spanish language, culture and/or literature selected in consultation with the instructor. Regular conferences with the instructor and written reports. Prior permission of the directing professor and department chair is required to take this course.

B.A. in Spanish (FO.FS.BA)

Code	Title	Credits
Major Requirements/Foreign Languages/Spanish Concentration (36 credits) [1]		
FS-301	Introduction to Hispanic Literature	3
FS-315	Introduction to Spanish Linguistics	3
FS-300A	Advanced Spanish Conversation and Oral Discourse [2]	3
FS-300B	Advanced Spanish: Composition and Conversation II	3
FS-305 or FS-307	Survey of Spanish-American Literature Survey of Spanish Literature	3
FS-309	Culture and Civilization Spain	3
FS-310	Culture and Civilization of Latin America	3
FS-402	Advanced Spanish Conversation and Oral Proficiency	3
FS-409	Advanced Spanish: Grammar and Stylistics	3
Select 6 credits from courses designated with Course Type: FS.LT at the 400+ level		6
Select 3 credits from Spanish 400+ level		3
(Courses from Major Requirements satisfy World Language in General Education)		
FO-LTIOPI: Oral Interview		0
Interdisciplinary Requirements (12 credits)		
Select 12 credits in one of the following ways:		12
Humanities (at least 2 courses) and Social Sciences (at least 1 course) [3, 4, 5, 6]		
Select a Second World Language (other than Spanish): FI, FF, FG, FA, FC, FO, FL, FIR		
Free Electives (30 credits) [7]		
Select up to 30 free elective credits		30
General Education Requirements (42 credits) [8]		
Complete 42 credits as outlined on the General Education table.		42
Total Credits		**120**

1 *In courses numbered above 300 it is presumed that the student has taken 201-202 (Intermediate) or equivalent to assure adequate communicative facility in the foreign language*
2 *A native speaker may be exempt from taking* FS-300A Advanced Spanish Conversation and Oral Discourse (3 cr.) *upon consultation with the Chair of the Department. The student may substitute any FS-300+ course to fulfill the three credit requirement.*
3 *In addition to the General Education requirements. Course Type: EN, some exclusions apply, contact the department for guidance.*
4 Humanities subjects: AA; AR; DA; EN; HS; HU; MU; PL RS
5 Social Science subjects: AN; CJ; CO; PS; SO; PY
6 Please choose at least 3 different subjects
7 *Please consult with your advisor regarding the required number of free electives that must be completed.*
8 *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education (p. 44*) courses must be completed.*

Note

- 54 credits must be completed at the 200 level or higher.

Sequence Chart

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
FS-300A Advanced Spanish Conversation and Oral Discourse	3	FS-301 Introduction to Hispanic Literature (Gen*Ed World Language)	3
FS-300B Advanced Spanish: Composition and Conversation II	3	Gen*Ed Historical Perspectives (HS.SV) or Social Science Survey (SS.SV)	3
Gen*Ed Aesthetics (AT) AR,DA,MU,TH	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
Gen*Ed Historical Perspectives (HS.SV)	3	Gen*Ed Technological Literacy (TL)	3
Semester Credits	**15**	**Semester Credits**	**15**

Second Year

Fall	Credits	Spring	Credits
FS-305 Survey of Spanish-American Literature or 307	3	FS-402 Advanced Spanish Conversation and Oral Proficiency	3
FS-309 Culture and Civilization Spain	3	FS-400 level Spanish Elective (Course Type FS.LT)	3
EN-2xx Gen*Ed Literature (LIT)	3	Gen*Ed Social Science Survey (SS.SV)	3
Gen*Ed Reasoned Oral Discourse (RD)	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
Interdisciplinary Electives from subjects: AR/MU/CO/EN/HS/PL	3	Free Elective	3
Semester Credits	**15**	**Semester Credits**	**15**

Third Year

Fall	Credits	Spring	Credits
FS-310 Culture and Civilization of Latin America (Gen*Ed Writing Intensive (WT)	3	FS-4xx Spanish Elective (Course Type FS.LT)	3
FS-315 Introduction to Spanish Linguistics	3	Gen*Ed Mathematics	3

Interdisciplinary Elective From Subjects: AR/MU/CO/EN/HS/PL	3	Free Electives	9
Free Electives	6		
Semester Credits	**15**	**Semester Credits**	**15**

Fourth Year

Fall	**Credits**	**Spring**	**Credits**
FS-4xx Spanish Elective	3	FS-409 Advanced Spanish: Grammar and Stylistics	3
Interdisciplinary Elective from subjects: AR,MU/CO/EN/HS/PL	3	Interdisciplinary Electives from subjects: AR/MU/CO/EN/HS/PL	3
PR-4xx Gen*Ed Interdisciplinary Perspectives (ISP)	3	Free Electives	9
Free Elective (Gen*Ed Experiential Education (ExEd)	3	FO-LTIOPI Oral Proficiency Interview - UG	0
Free Electives	3		
Semester Credits	**15**	**Semester Credits**	**15**

Total Credits 120

B.A. in Spanish with a Concentration in Communication (Journalism Cluster) (FO.FSCOJN.BA)

Code	**Title**	**Credits**
Major Requirements/Spanish (33 credits) [1]		
FS-301	Introduction to Hispanic Literature	3
FS-315	Introduction to Spanish Linguistics	3
FS-300A	Advanced Spanish Conversation and Oral Discourse [2]	3
FS-300B	Advanced Spanish: Composition and Conversation II	3
FS-305	Survey of Spanish-American Literature	3
or FS-307	Survey of Spanish Literature	
FS-309	Culture and Civilization Spain	3
FS-310	Culture and Civilization of Latin America	3
FS-409	Advanced Spanish: Grammar and Stylistics	3
FS-318	Spanish Pronunciation, Voice, and Diction	3
FS-411A	Writing for the Media in Spanish	3
FS-400+	Spanish Elective	3
FO-LTIOPI	Oral Proficiency Interview - UG	0
(Courses from Major Requirements satisfy World Language in General Education)		
Major Requirements/Communication (40 credits)		
CO-100	Communication Foundations	3
CO-155	Media Literacy	3
CO-220	Public Speaking	3
CO-221	Introduction to Digital Media	3
(Satisfies Technological Literacy (TL) in General Education)		
CO-224	Introduction to Mass Communication	3
CO-292	Communication Research Methods	3
CO-301	Topics in Communication Theory and Research	3
CO-311	Communication Ethics	3
Journalism Cluster		
CO-211	Introduction to Journalism	3
CO-215	Newswriting	3
CO-264	Co-Curricular Practicum in Journalism	1
Select 6 credits of writing from the following:		6
CO-317	Civic Journalism	
CO-333	Multimedia Journalism	
CO-340	Writing the Review	
CO-342	Editorial Writing	
CO-360	Feature Writing	
Select 3 credits from the following:		3
CO-290	Media Law	
CO-330	News Editing	
CO-383	Gender, Race, and Media	
CO-425	Political Communication	
Interdisciplinary Requirements (12 credits) [3]		
HU-201	Critical Discourse	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
MA-105	Mathematical Modeling in the Social Sciences	3
(Satisfies Mathematics in General Education)		
Select 6 credits from one of the following:		6
Select a Second World Language [4]		
Free Electives (2 credits) [5]		
Select up to 2 credits of free electives [5]		2
General Education Requirements (33 credits) [6]		
Complete 33 credits as outlined on the General Education table) [6]		33
Total Credits		**120**

1 *In courses number above 300 it is presumed that the student has taken 201-202 (Intermediate) or equivalent to assure adequate communicative facility in the foreign language*

2 *A native speaker may be exempt from taking* FS-300A Advanced Spanish Conversation and Oral Discourse (3 cr.) *upon consultation with the Chair of the Department. The student may substitute any FS-300+ course to fulfill the three credit requirement.*

3 *Can substitute a minimum of 9 credits in the same foreign language other than Spanish*

4 *Other than Spanish; in addition to the General Education requirements: (i.e. Italian, German, Irish, Latin, Chinese, Arabic, French)*

5 *Please consult with your advisor regarding the required number of free electives that must be completed.*

6 *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(p. 44) courses must be completed.*

Note

- 54 credits must be completed at the 200 level or higher.

Sequence Chart

First Year

Fall	**Credits**	**Spring**	**Credits**
EN-101 College Composition I	3	EN-102 College Composition II	3
FS-318 Spanish Pronunciation, Voice, and Diction (Gen*Ed World Language)	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3

FS-300B Advanced Spanish: Composition and Conversation II	3	FS-301 Introduction to Hispanic Literature	3
CO-100 Communication Foundations	3	CO-211 Introduction to Journalism	3
Gen*Ed Historical Perspectives (HS.SV)	3	CO-155 Media Literacy	3
Semester Credits	**15**	**Semester Credits**	**15**

Second Year

Fall	Credits	Spring	Credits
HU-201 Critical Discourse (Gen*Ed Reasoned Oral Discourse (RD)	3	Gen*Ed Aesthetics (AT) AR,DA,MU,TH	3
CO-224 Introduction to Mass Communication	3	CO-220 Public Speaking	3
CO-215 Newswriting	3	CO-311 Communication Ethics	3
FS-305 Survey of Spanish-American Literature or 307	3	MA-105 Mathematical Modeling in the Social Sciences (Gen*Ed Mathematics)	3
FS-300A Advanced Spanish Conversation and Oral Discourse	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
Semester Credits	**15**	**Semester Credits**	**15**

Third Year

Fall	Credits	Spring	Credits
FS-310 Culture and Civilization of Latin America (Gen*Ed Writing Intensive (WT)	3	CO-301 Topics in Communication Theory and Research (Gen*Ed Writing Intensive (WT)	3
CO-292 Communication Research Methods	3	CO-221 Introduction to Digital Media (Gen*Ed Technological Literacy (TL)	3
CO-xxx Required Communication Course see Curriculum Chart	3	FS-411A Writing for the Media in Spanish	3
Gen*Ed Historical Perspectives (HS.SV)	3	Gen*Ed Social Science Survey (SS.SV)	3
EN-2xx Gen*Ed Literature (LIT)	3	FS-4xx Spanish 400-Level Elective	3
Semester Credits	**15**	**Semester Credits**	**15**

Fourth Year

Fall	Credits	Spring	Credits
FS-315 Introduction to Spanish Linguistics	3	CO-xxx Required Communication Course, see curriclum chart	3
FS-309 Culture and Civilization Spain	3	FS-409 Advanced Spanish: Grammar and Stylistics	3
CO-264 Co-Curricular Practicum in Journalism	1	Second World Language (in addition to gen*ed requirement)	6
CO-xxx Required Communication Course, see curriclum chart	3	PR-4xx Gen*Ed Interdisciplinary Perspectives (ISP)	3
Gen*Ed Historical Perspectives (HS.SV) or Social Science Survey (SS.SV)	3	FO-LTIOPI Oral Interview	0
Free Elective	2		
Semester Credits	**15**	**Semester Credits**	**15**

Total Credits 120

B.A. in Spanish with a Concentration in Communication (Media Studies and Production Cluster) (FO.FSCOMSP.BA)

Code	Title	Credits
Major Requirements/Spanish (33 credits) [1]		
FS-301	Introduction to Hispanic Literature	3
FS-315	Introduction to Spanish Linguistics	3
FS-300A	Advanced Spanish Conversation and Oral Discourse [2]	3
FS-300B	Advanced Spanish: Composition and Conversation II	3
FS-305	Survey of Spanish-American Literature	3
or FS-307	Survey of Spanish Literature	
FS-309	Culture and Civilization Spain	3
FS-310	Culture and Civilization of Latin America	3
FS-409	Advanced Spanish: Grammar and Stylistics	3
FS-318	Spanish Pronunciation, Voice, and Diction	3
FS-411A	Writing for the Media in Spanish	3
FS-400+	Spanish Elective	3
FO-LTIOPI	Oral Proficiency Interview - UG	0
(Courses from Major Requirements satisfy World Language in General Education)		
Major Requirements/Communication (40 credits)		
CO-100	Communication Foundations	3
CO-155	Media Literacy	3
CO-220	Public Speaking	3
CO-221	Introduction to Digital Media	3
(Satisfies Technological Literacy (TL) in General Education)		
CO-224	Introduction to Mass Communication	3
CO-292	Communication Research Methods	3
CO-301	Topics in Communication Theory and Research	3
CO-311	Communication Ethics	3
Media Studies & Production Cluster		
CO-102	Radio Production	3
CO-145	Introduction to Video Production	3
CO-262	Co-Curricular Practicum in Radio	1
or CO-263	Co-Curricular Practicum in Television	
Select one production course from the following:		3
CO-242	Creating Good Radio	
CO-246	Studio-Based Video Production	
CO-338	Video Post-Production	
CO-345	Producing & Directing Video	
CO-352	Broadcast News Operation	
CO-374	Radio Programming and Promotion	
CO-378	Talk Radio	
CO-379	Advanced Radio Production	
Communication Special Topics course (CO398)		
Select 3 credits of performance or writing from the following:		3
CO-210	Voice and Diction	
CO-275	Performance for Broadcasting	
CO-357	Acting for Television	
CO-365	Screenwriting	
CO-346	Documentary Film and Video	
CO-350	Broadcast Newswriting and Reporting	
CO-351	Broadcast Copywriting	
Select 3 credits of theory or analysis from the following:		3
CO-290	Media Law	

CO-367	Media Analysis	
CO-375	Television Criticism	
CO-373	Music Promotion	
CO-376	Radio Station Management	
CO-383	Gender, Race, and Media	
Interdisciplinary Requirements (12 credits) [3]		
HU-201	Critical Discourse	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
MA-105	Mathematical Modeling in the Social Sciences	3
(Satisfies Mathematics in General Education)		
Select 6 credits from the following:		6
Select 6 credits from two of the following subjects: AR, CO, EN, HS, MU, PL [4]		
Free Electives (2 credits) [5]		
Select up to 2 free elective credits. [5]		2
General Education Requirements (33 credits) [6]		
Complete 33 credits as outlined n the General Educaton table. [6]		33
Total Credits		**120**

[1] 33 credits above the intermediate level. In courses numbered above 300 it is presumed that the student has taken 201-202 (Intermediate) or equivalent.

[2] A native speaker may substitute any FS-300+ course for FS-300A Advanced Spanish Conversation and Oral Discourse (3 cr.) after consultation wih the Chair of the Department.

[3] Can substitute a minimum of 9 credits of the same foreign language other than Spanish.

[4] Within Interdisciplinary Requirements, specific exclusions apply for English; contact the department for guidance.

[5] *Please consult with your advisor regarding the required number of free electives that must be completed.*

[6] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education (p. 44*) courses must be completed.*

Note:

- 54 credits must be completed at the 200-level or higher.

Sequence Chart

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
FS-318 Spanish Pronunciation, Voice, and Diction (Gen*Ed World Language)	3	FS-301 Introduction to Hispanic Literature	3
FS-300B Advanced Spanish: Composition and Conversation II	3	CO-102 Radio Production or 145	3
CO-100 Communication Foundations	3	CO-155 Media Literacy	3
Gen*Ed Historical Perspectives (HS.SV)	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
Semester Credits	**15**	**Semester Credits**	**15**

Second Year

Fall	Credits	Spring	Credits
HU-201 Critical Discourse (Gen*Ed Reasoned Oral Discourse (RD)	3	CO-220 Public Speaking	3
CO-224 Introduction to Mass Communication	3	CO-311 Communication Ethics	3
CO-145 Introduction to Video Production or 102	3	MA-105 Mathematical Modeling in the Social Sciences (Gen*Ed Mathematics)	3
FS-305 Survey of Spanish-American Literature or 307	3	Gen*Ed Aesthetics (AT) AR,DA,MU,TH	3
FS-300A Advanced Spanish Conversation and Oral Discourse	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
Semester Credits	**15**	**Semester Credits**	**15**

Third Year

Fall	Credits	Spring	Credits
FS-310 Culture and Civilization of Latin America	3	CO-262 Co-Curricular Practicum in Radio or 263	1
CO-292 Communication Research Methods	3	CO-301 Topics in Communication Theory and Research	3
CO-221 Introduction to Digital Media (Gen*Ed Technological Literacy (TL)	3	CO-xxx Required Communication Course, see curriculum chart (Production)	3
CO-xxx Required Communication Course, see curriculum chart (Performance/Writing)	3	FS-411A Writing for the Media in Spanish	3
Gen*Ed Historical Perspectives (HS.SV)	3	Gen*Ed Social Science Survey (SS.SV)	3
		Free Elective	2
Semester Credits	**15**	**Semester Credits**	**15**

Fourth Year

Fall	Credits	Spring	Credits
FS-309 Culture and Civilization Spain	3	PR-4xx Gen*Ed Interdisciplinary Perspectives (ISP)	3
FS-315 Introduction to Spanish Linguistics	3	Gen*Ed Cultural Diversity (CD) or Global Understanding (GU)	3
EN-2xx Gen*Ed Literature (LIT)	3	FS-409 Advanced Spanish: Grammar and Stylistics	3
CO-xxx Required Communication Course (Theory/Analysis)	3	FS-4xx Spanish 400+ Level Elective	3
Interdisciplinary Course from subjects: AR,CO,EN,HS,MU,PL	3	Interdisciplinary Course from subjects: AR,CO,EN,HS,MU,PL	3
		FO-LTIOPI Oral Proficiency Interview - UG	0
Semester Credits	**15**	**Semester Credits**	**15**

Total Credits 120

B.A. in Spanish and Education with Endorsement in K-12 Education in Spanish (FO.FS.EDS.BA)

Code	Title	Credits
Major Requirements/Spanish (36 credits) [1]		
FS-301	Introduction to Hispanic Literature	3
FS-315	Introduction to Spanish Linguistics	3
FS-300A	Advanced Spanish Conversation and Oral Discourse [2]	3
FS-300B	Advanced Spanish: Composition and Conversation II	3
FS-305	Survey of Spanish-American Literature	3
or FS-307	Survey of Spanish Literature	

FS-309	Culture and Civilization Spain	3
FS-310	Culture and Civilization of Latin America	3
FS-402	Advanced Spanish Conversation and Oral Proficiency	3
FS-409	Advanced Spanish: Grammar and Stylistics	3
Select 6 credits from courses designated with Course Type: FS.LT		6
FS-400+: Spanish Elective		3
(Courses from Major Requirements satisfy World Language requirement in General Education)		
FO-LTIOPI	Oral Proficiency Interview - UG	0
Major Requirements/Education (24 credits) [3]		
ED-250	Psychological and Philosophical Foundations of Education	3
EDS-330	Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
EDS-336	Classroom Management	3
ED-319	Content Literacy and Assessment	3
ED-320	Teaching Emergent Multilinguals in an Inclusive Classroom	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
Select 9 credits as follows: [2, 4]		
ED-416 & 416S	Clinical Practice and Clinical Practice Seminar	9
Education Outside Major Requirements (3 credits)		
MA-100	Quantitative Reasoning and Problem Solving	3
or MA-205	Number Systems	
(Satisfies Mathematics in General Education)		
Spanish Interdisciplinary Requirements (12 credits)		
Select 12 credits in one of the following ways:		12
Humanities (at least 2 courses) and Social Sciences (at least 1 course) [5, 6, 7, 8]		
Select a Second World Language (other than Spanish); FI, FF, FG, FA, FC, FO, FL, FIR		
Education Interdisciplinary Requirements (6 credits) [3]		
ED-427	The Teaching of World Languages	3
ED-374	Issues and Practices in World Language Education Part II	3
or ED-377	Integrated K-12 Teaching Methods	
Free Electives (3 credits) [9]		
Select up to 3 credits of free electives.		3
General Education Requirements (36 credits) [10]		
Complete 36 credits as outlined on the General Education table.		36
Total Credits		**120**

1 *36 credits above the intermediate level. In 300+ level courses it is presumed that the student has taken 201-202 (Intermediate) or equivalent to assure adequate communicative facility in the foreign language.*

2 *A student may be exempt from taking both courses upon a final grade of A- or above in one of the courses. Any FS-300+ may be substituted to fulfill the three credits.*

3 *Minimum grade of "C" Required for all Education courses.*

4 *Students must complete the appropriate test requirement(s) with a passing score PRIOR to Clinical Practice.*

5 *In addition to the General Education requirements. Subject EN: some exclusions apply, contact the department for guidance.*

6 *Humanities subjects: AA;AR;DA; EN; HIS; HU; MU; PL; RS*

7 *Social Science course codes: AN; CJ; CO; PS; SO; PY*

8 *Please choose at least 3 different subjects.*

9 *Please consult with your advisor regarding the required number of free electives that must be completed.*

10 *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(p. 44) courses must be completed.*

Additional Endorsements Available

- TSD - Teacher of Students with Disabilities - K-12
- ESL - English as a Second Language - K-12

Notes

- 54 credits must be completed at the 200 level or higher.
- Education majors are required to have an overall GPA of 3.00 for State Certification.
- By state regulation, all Education Majors seeking content area endorsement must complete 30 content credits (12+ credits at the 300+ level).

Sequence Chart

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
FS-300A Advanced Spanish Conversation and Oral Discourse	3	FS-301 Introduction to Hispanic Literature (Gen*Ed World Language)	3
FS-300B Advanced Spanish: Composition and Conversation II	3	ED-250 Psychological and Philosophical Foundations of Education	3
Gen*Ed Social Science Survey (SS.SV)	3	Gen*Ed Historical Perspectives (HS.SV)	3
Gen*Ed Cultural Diversity (CD) or Global Understanding (GU)	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
Semester Credits	**15**	**Semester Credits**	**15**

Second Year

Fall	Credits	Spring	Credits
ED-320 Teaching Emergent Multilinguals in an Inclusive Classroom (Gen*Ed Reasoned Oral Discourse (RD) and Writing Intensive (WT)	3	EDS-330 Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
MA-100 Quantitative Reasoning and Problem Solving or 205 (Gen*Ed Mathematics)	3	Gen*Ed Historical Perspectives (HS.SV) or Social Science Survey (SS.SV)	3
FS-305 Survey of Spanish-American Literature or 307	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
Interdisciplinary Elective from subjects: AR/CO/EN/HS/MU/PL	3	FS-4xx Spanish Elective (Course Type FS.LT)	3
EN-2XX Gen*Ed Literature (LIT)	3	Gen*Ed Aesthetics (AT) AR,DA,MU,TH	3
Semester Credits	**15**	**Semester Credits**	**15**

Third Year

Fall	Credits	Spring	Credits
FS-310 Culture and Civilization of Latin America	3	FS-402 Advanced Spanish Conversation and Oral Proficiency	3
FS-315 Introduction to Spanish Linguistics	3	ED-319 Content Literacy and Assessment	3
FS-409 Advanced Spanish: Grammar and Stylistics	3	Interdisciplinary Perspectives from subjects: AR,CO,EN,HS,MU,PL	6
EDS-336 Classroom Management	3	FS-4xx Spanish Elective (Course type FS.LT)	3
ED-374 Issues and Practices in World Language Education Part II or 377	3	Free Elective	3
Semester Credits	**15**	**Semester Credits**	**18**

Fourth Year

Fall	Credits	Spring	Credits
FS-309 Culture and Civilization Spain	3	Gen*Ed Interdisciplinary Perspectives (ISP)	3
FS-4xx Spanish Elective	3	ED-416 Clinical Practice	8
ED-427 The Teaching of World Languages	3	ED-416S Clinical Practice Seminar	1
Interdisciplinary Perspectives from subjects: AR,CO,EN,HS,MU,PL	3		
Gen*Ed Technological Literacy (TL)	3		
FO-LTIOPI Oral Proficiency Interview - UG	0		
Semester Credits	**15**	**Semester Credits**	**12**

Total Credits 120

B.A. in Spanish and Education with Endorsements in Elementary and Teacher of Students with Disabilities (FO.FS.EDEY.BA)

Code	Title	Credits
Major Requirements/Spanish (36 credits) [1]		
FS-301	Introduction to Hispanic Literature	3
FS-315	Introduction to Spanish Linguistics	3
FS-300A	Advanced Spanish Conversation and Oral Discourse [2]	3
FS-300B	Advanced Spanish: Composition and Conversation II	3
FS-305	Survey of Spanish-American Literature	3
or FS-307	Survey of Spanish Literature	
FS-309	Culture and Civilization Spain	3
FS-310	Culture and Civilization of Latin America	3
FS-402	Advanced Spanish Conversation and Oral Proficiency	3
FS-409	Advanced Spanish: Grammar and Stylistics	3
Select 6 credits from courses designated with Course Type: FS.LT		6
FS-400+: Spanish Elective		3
(Courses in Major Requirements satisfy the World Language requirement in General Education)		
FO-LTIOPI	Oral Proficiency Interview - UG	0
Major Requirements/Education (42 credits) [3]		
ED-250	Psychological and Philosophical Foundations of Education	3
EDS-330	Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
EDS-336	Classroom Management	3
EDL-326	Literacy Instruction in P-6 Educational Settings I	3
EDL-327	Methods of Teaching Content Area Literacy in the Inclusive Elementary Setting: Language Arts & Social Studies	3
ED-320	Teaching Emergent Multilinguals in an Inclusive Classroom	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
ED-360	Methods of Teaching Elementary Mathematics	3
ED-361	Methods of Teaching Science for Elementary School	3
EDS-338	Assessment Approaches, P-12	3
EDS-342	Instructional Methods and Materials for Students with Disabilities	3
EDS-350	Individualizing Curricula and Systematic Instruction for Special Education	3
Select 9 credits as follows: [2, 4]		
ED-416 & 416S	Clinical Practice and Clinical Practice Seminar	9
Education Interdisciplinary Requirements (6 credits)		
MA-205	Number Systems	3
MA-206	Algebraic Thinking, Probability and Statistics	3
(Satisfies Mathematics in General Education)		
Free Electives (0 credits) [5]		
The number of free electives, if any, will be determined in consultation with the advisor [5]		
General Education Requirements (36 credits) [6]		
Complete 36 credits as outlined on the General Education table. [6]		36
Total Credits		**120**

[1] *36 credits above the intermediate level. In 300+ level courses it is presumed that the student has taken 201-202 (Intermediate) or equivalent to assure adequate communicative facility in the foreign language.*

[2] *A student may be exempt from taking both courses upon a final grade of A- or above in one of the courses. Any FS-300+ may be substituted to fulfill the three credits.*

[3] *Minimum grade of "C" Required for all Education courses*

[4] *Students must complete the appropriate test requirement(s) with a passing score PRIOR to Clinical Practice.*

[5] *Please consult with your advisor regarding the required number of free electives that must be completed.*

[6] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(p. 44) courses must be completed.*

Additional Endorsements Available

- ESL - English as a Second Language - Elementary
- P-3 Early Childhood Endorsement

Notes

- 54 credits must be completed at the 200 level or higher.
- Education majors are required to have an overall GPA of 3.00 for State Certification.
- By state regulation, all Education Majors seeking content area endorsement must complete 30 content credits (12+ credits at the 300+ level).

Sequence Chart

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
FS-300A Advanced Spanish Conversation and Oral Discourse	3	FS-301 Introduction to Hispanic Literature	3
FS-300B Advanced Spanish: Composition and Conversation II	3	ED-250 Psychological and Philosophical Foundations of Education	3
Gen*Ed Social Science Survey (SS.SV)	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
Gen*Ed Aesthetics (AT) AR,DA,MU,TH	3	Gen*Ed Historical Perspectives (HS.SV)	3
Semester Credits	**15**	**Semester Credits**	**15**

Second Year

Fall	Credits	Spring	Credits
EN-2xx Gen*Ed Literature (LIT)	3	EDS-330 Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood (Gen*Ed Writing Intensive (WT)	3
MA-205 Number Systems	3	EDL-326 Literacy Instruction in P-6 Educational Settings I	3
ED-320 Teaching Emergent Multilinguals in an Inclusive Classroom (Gen*Ed Reasoned Oral Discourse (RD) and Writing Intensive (WT)	3	FS-400 Spanish Elective (Course Type FS.LT)	3
FS-305 Survey of Spanish-American Literature or 307	3	MA-206 Algebraic Thinking, Probability and Statistics	3
Gen*Ed Cultural Diversity (CD) or Global Understanding (GU)	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
Semester Credits	**15**	**Semester Credits**	**15**

Third Year

Fall	Credits	Spring	Credits
ED-361 Methods of Teaching Science for Elementary School	3	EDS-350 Individualizing Curricula and Systematic Instruction for Special Education	3
EDS-336 Classroom Management	3	EDS-338 Assessment Approaches, P-12	3
FS-310 Culture and Civilization of Latin America	3	FS-402 Advanced Spanish Conversation and Oral Proficiency	3
FS-315 Introduction to Spanish Linguistics	3	FS-400 Level Spanish Elective (Course type FS.LT)	3
FS-409 Advanced Spanish: Grammar and Stylistics	3	FS-4xx Spanish Elective	3
		Gen*Ed Technological Literacy (TL)	3
Semester Credits	**15**	**Semester Credits**	**18**

Fourth Year

Fall	Credits	Spring	Credits
EDL-327 Methods of Teaching Content Area Literacy in the Inclusive Elementary Setting: Language Arts & Social Studies (Gen*Ed Writing Intensive (WT)	3	ED-416 Clinical Practice	8
ED-360 Methods of Teaching Elementary Mathematics	3	ED-416S Clinical Practice Seminar	1
FS-309 Culture and Civilization Spain	3	PR-4xx Gen*Ed Interdisciplinary Perspectives	3
EDS-342 Instructional Methods and Materials for Students with Disabilities	3		
Gen*Ed Historical Perspectives (HS.SV) or Social Science Survey (SS.SV)	3		
Semester Credits	**15**	**Semester Credits**	**12**

Total Credits 120

Certificate in Africana Studies (CERT.AA)

Code	Title	Credits
Requirements (15 credits)		
ADS-246	Introduction to African-American Studies	3
ADS-302	African-American Seminar	3
Select 9 credits from the following:		9
ADS-225	African World Literature	
Select 400-Level Special Topics Africana Studies Course		
Select 400-Level Africana Studies Independent Study		
Total Credits		**15**

Global Service, Leadership, and Development Certificate (CERT.GSLD)

Code	Title	Credits
Intercultural Competence Requirements (15 credits)		
Select one course from the following list:		3
AN-113	Cultures of the World	
AN-390	Archaeology Field Study	
AN/PS/SO/SW-371	International Service Seminar	
BY-317	Tropical Island Ecology	
CO-226	Intercultural Communication	
ED-300	Education and Culture	
HE-376	Guatemala Public Health	
SO/PS-274	Global Inequalities	
SW-205	Global Human Rights and Social Justice	
Electives:		
Select one course with course type "CD", Cultural Diversity		3
Select one course with coure type "GU", Global Understanding		3
OR Semester of Study Abroad		
Foreign Languages:		

Select 2 foreign language courses [1]		6
Professional and Leadership Development:		
FO-COL	Colloquium in Professional and Leadership Development	
CHOOSE ONE SECTOR FROM THE FOLLOWING LIST: (9 credits)		
Select three courses from the sector of choice.		9
AGRICULTURE SECTOR COURSEWORK		
Select 2 Natural Science courses from:		
BY-201	Introduction to Biotechnology	
BY-214	Botany	
BY-220	Environmental Biology and Policy	
BY-221	Introduction to Global Sustainability	
CE-220	Environmental Chemistry	
Select 1 Social Science course from:		
AN-383	Old World Prehistory	
PY-404	Animal Behavior	
PY-411	Field Experience in Animal Behavior	
COMMUNITY ECONOMIC DEVELOPMENT SECTOR COURSEWORK		
Select 3 courses from one of the following areas. Courses must come from the same area.		
Accounting, Economics, and Finance		
BE-251	Business Statistics	
BE-201	Microeconomics	
BE-202	Macroeconomics	
BF-301	Principles of Finance	
BA-252	Accounting II	
Business, Marketing, Management, and International Business		
BK-250	Principles of Marketing	
BM-250	Principles of Management and Organizational Behavior	
BM-451	Entrepreneurship	
BM-471	Global Management	
Computer Science		
Select any 3 courses in Computer Science (CS)		
Graphic Design		
AR-113	Basic Design and Composition	
AR-114	Basic Design and Color	
AR-116	Three-Dimensional Design	
AR-172	Introduction to Digital Design	
AR-177	Introduction to Digital Design for Non-Art majors	
AR-178	Web Studio	
AR-269	Graphic Design Studio I	
AR-270	Graphic Design Studio II	
AR-273	Digital Illustration	
AR-346	History of Graphic Design	
AR-371	Graphic Design Studio III	
Mass Communications		
CO-155	Media Literacy	
CO-211	Introduction to Journalism	
CO-224	Introduction to Mass Communication	
CO-225	Business and Professional Communication	
CO-292	Communication Research Methods	
CO-311	Communication Ethics	
CO-380	Organizational Communication	
EDUCATION SECTOR COURSEWORK		
Select 3 courses from one of the following areas. All courses must come from the same area.		
Education		
ED-250	Psychological and Philosophical Foundations of Education	
EDL-326	Literacy Instruction in P-6 Educational Settings I	
ED-315	Digital Media and Instructional Technology Skills for Teachers	
ED-319	Content Literacy and Assessment	
ED-320	Teaching Emergent Multilinguals in an Inclusive Classroom	
ED-360	Methods of Teaching Elementary Mathematics	
ED-361	Methods of Teaching Science for Elementary School	
ED-374	Issues and Practices in World Language Education Part II	
ED-377	Integrated K-12 Teaching Methods	
ED-427	The Teaching of World Languages	
English as a Second Language (ESL)/Linguistics		
ED-327	Theories and Practice of ESL Instruction Part I	
ED-328	Theories and Practice of ESL Instruction Part II	
ED-336	Applied Linguistics for the Language Educator	
ED-374	Issues and Practices in World Language Education Part II	
EN-442	Language and Linguistics	
AN-380	American Cultural Diversity	
Special Education		
EDS-330	Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	
EDS-332	Family/School/Community Partnerships and Resources, P-12	
EDS-336	Classroom Management	
EDS-338	Assessment Approaches, P-12	
EDS-342	Instructional Methods and Materials for Students with Disabilities	
EDS-352	Curricula, Methods, and Materials for Learners with Difficulties	
Mathematics		
MA-103	Foundations of Elementary Mathematics	
MA-203	Foundations of Elementary Mathematics I	
MA-204	Foundations of Elementary Mathematics II	
MA-205	Number Systems	

MA-206	Algebraic Thinking, Probability and Statistics
MA-207	Elementary Geometry
English	
Select 3 English (EN) courses at the 200 level or above	
Biology	
Select 3 Biology (BY) courses	
Chemistry	
Select 3 Chemistry (CE) courses	
Computer Science	
Select 3 Computer Science (CS) courses	
Physics	
Select three Physics (PH) courses	
ENVIRONMENT SECTOR COURSEWORK	
Select 3 courses from one of the following areas. All courses must come from the same area.	
Biology, Botany, or Ecology	
Any Biology (BY) course	
AN-282	
PY-404	Animal Behavior
Environmental Related Sciences and Related Fields: Select one course from each group	
Environment and Health	
BY-103	Environmental Science
BY-220	Environmental Biology and Policy
BY-221	Introduction to Global Sustainability
BY-342	Coastal Zone Management
BY-389	Internship in Biological Science
BY-442	Natural Resource Conservation and Management
Biology 400-level Independent Study	
CE-220	Environmental Chemistry
HE-340	Environmental Health Issues
Marine Science 200-level Special Topics course	
Environment and Social Sciences	
AN-275	Global Environmental Problems
AN-282	
GO-100	People, Places, and Environments: Introduction to Geography
GO-102	Environmental Geography
GO-268	Urbanization
GO-275	Global Environmental Problems
PS-223	Introduction to Global Sustainability
PS-330	Environmental Policy
Environment and Humanities	
EN-211	Environment and Pre-Modern Literature
HS-173	
HEALTH SECTOR COURSEWORK	
Select 3 courses from one of the following areas. All courses must come from the same area.	
Public Health, Nutrition, and Health Education	
HE-320	Principles of Health Education
HE-324	Human Sexuality
HE-340	Environmental Health Issues
HE-350	Epidemiology
HE-360	Transcultural Health
HE-370	Alternative/Complementary Health Therapies
HE-375	Health in Developing Countries: A Cross-Cultural Perspective
HE-380	Nutrition and Health
HE-435	Community Health
HE-440	Health Policy
PR-418	Eastern-Western Approaches to Wellness, Health, and Healing
PR-422	AIDS and the Global Society
PR-433	Death and Dying
AN-279	Culture, Health and Illness
AN-379	Globalization, Health and Healing
SC-110	Nutrition Science
Biology	
Select any three Biology (BY) courses	
Pre-Med	
Select any three of the following courses	
Select any Chemistry (CE) course	
BY-107	Microbiology in Health and Disease
BY-112	Anatomy and Physiology II
Or any Biology (BY) course at the 200 level or above	
PH-105 & 105L	Physics for the Life Sciences I and Physics for the Life Sciences I Laboratory
PH-106 & 106L	Physics for the Life Sciences II and Physics for the Life Sciences II Laboratory
PH-211 & 211L	General Physics with Calculus I and General Physics with Calculus I Laboratory
PH-212 & 212L	General Physics with Calculus II and General Physics with Calculus II Laboratory
CJ-211	Statistics for Criminal Justice
MA-109	Pre-Calculus Mathematics
MA-116	Calculus for the Biological Sciences
MA-151	Statistics with Applications
MA-206	Algebraic Thinking, Probability and Statistics
MA-220	Probability and Statistics I
MA-320	Probability and Statistics II
MA-350	Computation and Statistics
MA-460	Multivariate and Categorical Statistics
PY-103	Introduction to Psychology
PY-311	Research II: Behavioral Statistics and Laboratory
SO-101	Introduction to Sociology
Nursing	
Any Nursing (NU) courses at the 200-level or above	
YOUTH IN DEVELOPMENT SECTOR COURSEWORK	

Select 3 courses from one of the following areas. All courses must come from the same area.		
Social Work		
SW-105	Introduction to Social Work	
Two (2) Social Work courses at the 200 level or above		
Developmental Psychology		
PY-203	Child Psychology	
PY-204	Adolescent Psychology	
PY-205	Psychology of Adulthood and Aging	
PY-342	Children's Play and Culture	
PY-426	Theories of Childhood and Development	
Gender Studies		
GS-225	Introduction to Gender Studies	
or GS-377	A Comparative Study of Women in the World	
Two (2) Gender Studies courses at the 200-level or above		
Health		
Select 3 courses in Health (HE) at the 200 level or above		
Physical Education		
Select 3 Physical Education (PE) courses at the 200 level or above		
Information Technology		
Select any 3 courses in Information Technology (IT)		
Family Studies		
AN-342	Children's Play and Culture	
AN-343	Anthropology and Children	
CO-309	Family Communication	
EDL-280	Introduction to Early Childhood Education	
EDL-333	Family Partnerships in Early Childhood Settings	
EDS-332	Family/School/Community Partnerships and Resources, P-12	
HE-235	Human Aging	
HE-365	Wisdom, Wellness and Aging	
or NU-365	Wisdom, Wellness and Aging	
NU-413		
SO-261	Sociology of Family	
PR-437	Perspectives on the Human Experiences: Family Violence	
SO-397	The Sociology of Aging	
SW-263	Family Counseling	
SW-278	Family Violence	
SW-461	Culturally Diverse Child Welfare Practices	
Total Credits		**24**

[1] Please speak with the Coordinator to determine best language options based on student interest.

[2] 50 hours of hands-on experience in the selected sector.

Certificate in Spanish Language (CERT.FS)

Code	Title	Credits
Requirements (24 credits)		
FS-101	Elementary Spanish I	3
FS-102	Elementary Spanish II	3
FS-201	Intermediate Spanish I	3
FS-202	Intermediate Spanish II	3
FS-301	Introduction to Hispanic Literature	3
FS-315	Introduction to Spanish Linguistics	3
Select one of the following:		3
FS-300A	Advanced Spanish Conversation and Oral Discourse	
FS-300B	Advanced Spanish: Composition and Conversation II	
FS-313	Introduction to Spanish for Business	
Select one of the following:		3
FS-309	Culture and Civilization Spain	
FS-310	Culture and Civilization of Latin America	
Total Credits		**24**

Notes

- Not available to students with a major or minor in Foreign Language/ Spanish.
- This certificate program only partially fulfills the requirements for the N.J. State Teaching Certificate in Spanish. In order to fulfill these requirements, students must complete a major in the language (33 credits above 201-202).

Minor in Italian (MIN.FI)

Code	Title	Credits
Requirements (6 credits)		
FI-201	Intermediate Italian I	3
FI-202	Intermediate Italian II	3
FI-LAB	Conversation Practice	0
Electives (9 credits)		
Select 9 credits from Italian 300+ level		9
Total Credits		**15**

Minor in Spanish (MIN.FS)

Code	Title	Credits
Select 6 credits at the 200-level from:		6
FS-201	Intermediate Spanish I [1]	
FS-202	Intermediate Spanish II	
FS-LAB	Conversation Practice	
FS-222	Spanish for Health Care Professionals	
Electives (9 credits)		
Select 9 credits from Spanish (FS) 300+ level		9
Total Credits		**15**

[1] *FS-201 cannot be taken after FS-202.*

Minor in Spanish for Business (MIN.FSBU)

Code	Title	Credits
FS-201	Intermediate Spanish I [1]	3
FS-202	Intermediate Spanish II [1]	3
FS-313	Introduction to Spanish for Business	3
Select two of the following:		6
FS-412	Advanced Business Spanish I	
FS-413	Advanced Business Spanish II	
FS-414	Current Issues in Business in the Spanish-Speaking World	
Total Credits		**15**

[1] *A native speaker may be exempt from taking FS-201 Intermediate Spanish I (3 cr.) and/or FS-202 Intermediate Spanish II (3 cr.) upon consultation with the Chair of the Department. The students may substitute any FS-300+ course.*

THE SCHOOL OF SCIENCE

Interim Dean: Joseph Coyle, Ph.D.
Associate Dean: Catherine N. Duckett, Ph.D.
Assistant Dean: John A. Tiedemann, M.S.

Monmouth University's School of Science is a community of teacher-scholars actively fostering learning, quantitative reasoning, and scientific inquiry among its majors and among all students. A goal of the School is to lead in the innovative development and delivery of curricula and in providing creative solutions to problems that include significant technical components. Educational programs provide a student-centered learning environment that builds a foundation for lifelong learning, critical thinking, and collaborative, technical problem solving. Faculty scholarship interests include: original basic and applied research in a range of disciplines and scholarly work on science education and pedagogy. Undergraduate and graduate students are encouraged to participate in student-faculty collaborative research projects leading to the acquisition and dissemination of new knowledge in the sciences.

The School of Science offers:

Majors

- B.S. in Biology (p. 232)
- B.S. in Biology and Education with Endorsement in Secondary Education in Biology (p. 233)
- B.S. in Biology with a Concentration in Molecular Cell Physiology (p. 235)
- B.S. in Marine and Environmental Biology and Policy (p. 236)
- B.S. in Chemistry (p. 247)
- B.S. in Chemistry and Education with Endorsement in Secondary Education in Chemistry (p. 355)
- B.S. in Chemistry and Education with Endorsement in Secondary Education in Physical Sciences (p. 250)
- B.S. in Chemistry with a Concentration in Advanced Chemistry (American Chemical Society Certified) (p. 251)
- B.A. in Computer Science (p. 261)
- B.S. in Computer Science (p. 262)
- B.S. in Mathematics (p. 272)
- B.S. in Mathematics and Education with Endorsement in Elementary Education (p. 273)
- B.S. in Mathematics and Education with Endorsement in Secondary Education in Mathematics (p. 274)
- B.S. in Mathematics with a Concentration in Statistics (p. 275)
- B.S. in Clinical Laboratory Sciences with a Concentration in Medical Laboratory Science (p. 277)
- B.S. in Medical Laboratory Science (p. 278)
- B. S. in Software Engineering (p. 263)

Certificate

- Information Technology (p. 265)

Minors

- Biology (p. 238)
- Chemistry (p. 252)
- Computer Science (p. 265)
- Environmental Biology (p. 238)
- Global Sustainability (p. 238)
- Information Technology (p. 265)
- Mathematics (p. 276)
- Statistics (p. 276)
- Physics (p. 281)

The School of Science also offers master's degrees in Computer Science, Information Systems, and Software Engineering. The undergraduate Bachelor of Science in Computer Science program is accredited by the Computing Accreditation Commission of ABET (http://www.abet.org). The undergraduate Bachelor of Science in Software Engineering program is accredited by the Engineering Accreditation Commission of ABET (http://www.abet.org). The Chemistry and Physics Department is approved by the American Chemical Society (ACS). All qualified advanced chemistry, biochemistry, and chemical physics degree recipients may receive ACS certification of their degrees. All programs of study are directed toward preparing students for working and living in a multicultural, technologically complex, global environment.

Studies in the School of Science provide students with a solid background in the technical aspects of their chosen scientific or engineering field, sufficient to prepare them for further study in graduate or professional programs, or to compete for access to employment opportunities in industry or education. Core courses for the non-major stress the nature of the scientific enterprise and the benefits and risks that scientific advances present to society rather than the digestion of large doses of content from the discipline. Both major and non-major courses emphasize the importance of critical thinking and cooperative learning, clarify working to the scientific method in posing and answering questions concerning the natural world, and explore the nature of human problems for which technology may provide solutions.

Biology

Chair: Dorothy Lobo, Department of Biology

The Biology curriculum is designed to give students a basic diversified background in the life sciences and prepare them for graduate work, professional school (medicine, dentistry, podiatry, chiropractic, etc.), laboratory work in government and industry, and careers in teaching.

National Biological Honor Society: Beta Beta Beta, Chi Eta Chapter, requires completion of at least ten credits of biology and a 3.2 or better GPA in biology courses.

Department Honors can be earned in Biology based on the following criteria being met:

- Achieving a 3.3 or better overall GPA with a 3.5 or better GPA in biology courses;
- Completing two additional courses (6 credits) at the 300 or 400 level;
- Completing six credits of faculty-directed research and presenting a research thesis, leading to a public presentation of the work upon completion. Up to three credits of research may be substituted by SoS Summer Research program work (or equivalent summer research).

Programs

Majors

- B.S. in Biology (p. 232)
- B.S. in Biology and Education with Endorsement in Secondary Education in Biology (p. 233)
- B.S. in Biology with a Concentration in Molecular Cell Physiology (p. 235)
- B.S. in Marine and Environmental Biology and Policy (p. 236)

Minor

- Biology (p. 238)
- Environmental Biology (p. 238)
- Global Sustainability (p. 238)

Faculty

Jason E. Adolf, Professor. B.S., Roger Williams University; M.S., University of Hawai'i; Ph.D., University of Maryland. Specializes in phytoplankton ecology and physiology, Harmful Algal Blooms (HABs) and real-time continuous water quality monitoring in the coastal ocean.
jadolf@monmouth.edu

Aina Ananda, Lecturer. M.Eng., Institu Superieur de Madagascar; M.Sc., NY Medical College; Ph.D., Ruters University
tandrian@monmouth.edu

Pedram Daneshgar, Professor. B.A., University of Delaware; M.S., Saint Joseph's University; Ph.D., University of Florida. Research interests include community and ecosystem ecology of coastal systems including dunes and mangroves, impacts of invasive plant species, and diversity maintenance mechanisms of grasslands.
pdaneshg@monmouth.edu

Kevin Dillon, Lecturer. B.S., Monmouth University; Ph.D., Rutgers University.
kdillon@monmouth.edu

Ellen Doss-Pepe, Senior Lecturer. B.S., University of Scranton; Ph.D., Rensselaer Polytechnic Institute. Specializes in biochemistry, protein folding and misfolding, and protein degradation. Current interests include the relationship of protein misfolding and degradation as underlying causes of neurodegenerative diseases and the roles of antioxidant proteins in cells during oxidative stress and neurodegeneration.
edoss@monmouth.edu

Catherine N. Duckett, .
Associate Dean, School of Science. B.A., Brown University; M.A., University of Texas at Austin; Ph.D., Cornell University. Research interests focus on the evolution of tropical flea beetles (Coleoptera: Chrysomelidae: Alticinae) using both molecular and morphological data.
cduckett@monmouth.edu

Bernadette Dunphy, Senior Specialist Professor.
Co-Director of the Pre-Professional Health Advising Committee. P.T., D.P.T., University Medicine and Dentistry, NJ. Specializes in physical therapy, sports medicine, and anatomy and physiology. Current interests are integration of clinical skills and case study work with teaching Physiology and Anatomy as well as preparing students for graduate health programs.
bdunphy@monmouth.edu

Keith Dunton, Associate Professor. B.S., M.S., Ph.D., Stony Brook University. Current research interests are focused on the ecology, management, and conservation of marine fisheries with a specialized focus on species of concern.
kdunton@monmouth.edu

Dennis Gemmell, Lecturer. B.S., Villanova University; M.S., University of North Dakota; Ph.D., Rutgers University
dgemmell@monmouth.edu

Kathryn Ann Lionetti, Associate Professor. B.S., Ph.D., State University of New York at Stony Brook. Specializes in microbiology and molecular biology. Current interests include recombinant DNA technology, apoptosis, and applications of molecular biology in clinical diagnostic procedures and emerging viral diseases.
lionetti@monmouth.edu

Dorothy Lobo, Professor and Chair.
Co-Director of the Pre-Professional Health Advising Committee. B.A., Immaculate College; Ph.D., The Catholic University of America. Specializes in cell and molecular biology, and signal transduction pathways. Current research includes the regulation of stress signaling pathways during cell proliferation and programmed cell death, and the use of crafts and models for teaching molecular biology.
dlobo@monmouth.edu

James P. Mack, Professor. B.S., Monmouth University (Monmouth College); M.S., William Paterson College; Ed.D., Teachers College, Columbia University. Specializes in anatomy and physiology. Current research includes alternative treatment for multidrug-resistant bacterial infections in health care settings including MRSA, MSSA, Pseudomas aeruginosa, E. coli (ESBL), and Enterococcus (VRE).
mack@monmouth.edu

Karen Pesce, Senior Lecturer. B.A., B.S., M.S., Seton Hall University; Ph.D., Rutgers University. Specializes in environmental microbiology. Current research interests include microbial community analysis and characterization of noval biodegradative genes from polluted environments.
kpesce@monmouth.edu

Sean Sterrett, Associate Professor. B.Sc., Butler University; M.S., Ph.D., Warnell School of Forestry and Natural Resources, University of Georgia. Specializes in wildlife biology, ecology, management and conservation with a concentration on reptiles and amphibians. Current interests include diamondback terrpin ecology and management on the Jersey Coast and influence of "Big Night" volunteer efforst to mitigate road mortality of migrating amphibians.
ssterret@monmouth.edu

Jeffrey Weisburg, Specialist Professor. B.A., Ph.D., Cornell-Weill Graduate School of Biomedical Sciences. Specializes in anatomy and physiology and immunology. Current research involves the use of nutraceuticals and food derivatives that have pharmacological properties for treat cancers of the oral cavity and leukemia.
jweiss@monmouth.edu

Courses

BY-101 Issues and Methods of Biology **Credits: 3**
Prerequisite(s): SC-100
Term Offered: Spring Term
Course Type(s): None
Major concepts in biological science and their importance in current society. Methods and approaches to questions in biology. Cannot be used in satisfaction of a major requirement in the Biology program.

BY-102 Applications in Biotechnology **Credits: 3**
Term Offered: Spring Term
Course Type(s): NS
Introduction for non-science majors. The focus is on basic principles of biotechnology along with an exploration of associated bioethical issues. The laboratory component serves to familiarize students with scientific practice.

BY-103 Environmental Science **Credits: 3**
Term Offered: All Terms
Course Type(s): NS
Examines society's effects on the natural environment and current efforts to address environmental issues in a sustainable manner. Stresses the interdisciplinary nature of environmental issues, and that resolution of environmental problems sustainably involves the application of sound scientific information, but at the same time involves social, political, cultural, and economic values as well.

BY-104 Human Biology **Credits: 3**
Term Offered: All Terms
Course Type(s): NS
Introductory course for non-science majors. Focus is on basic structure and function of human body systems and diseases of these systems. The laboratory component serves to familiarize students with scientific practice.

BY-105 Introductory Biology and Human Development **Credits: 3**
Term Offered: All Terms
Course Type(s): NS
An introductory-level survey of biology with an emphasis on human biology that includes human development, aging, genetics and other topics selected to support the social work program. An introduction to neurobiology will be provided with applications in mental health. Not for credit toward a major in biology. For Social Work majors only.

BY-106 The Brain - Highs and Lows **Credits: 3**
Term Offered: Spring Term
Course Type(s): NS
An introductory neurobiology course designed for non-science majors. The focus is the study of the human brain from the highs of intelligence and creativity to the lows of depression. The brain will also be examined for its roles in drug use, from the highs of euphoria to the lows of dependence. Topics will include the interplay between genetic and environmental influences that shape the brain and its responses. Not for credit towards a major in Biology.

BY-107 Microbiology in Health and Disease **Credits: 4**
Term Offered: All Terms
Course Type(s): None
Microorganisms pathogenic for man; emphasizing etiology, modes of transmission and control. Laboratory includes proper collection of specimens, aseptic technique, cultivation, identification, and disposal of microbes. Three hours of class, two hours of laboratory per week.

BY-108 Evolution and the History of Life on Earth **Credits: 3**
Term Offered: Spring Term
Course Type(s): NS
Examines evolution both as a process and as a phenomenon. Students will examine how evolutionary processes occur in time, both very short and geological time scales, and how both are studied. Students will review the history of life on earth with emphasis on major lineages such as vertebrates, mollusks, insects and plants, as well as basic geological processes and continental drift during these time periods. Bacterial evolution will be examined in the context of the importance of understanding natural selection and evolution and their impacts on society and medicine. Emphasis will be placed on understanding evolution of groups and processes often cited in creationist arguments, to help students be prepared to enter civil discourse as informed citizens. Evidence of evolutionary change from the fossil record and DNA sequences of organisms will be compared and reviewed.

BY-109 Introduction to Ecology and Evolution **Credits: 4**
Term Offered: All Terms
Course Type(s): NS
Introductory course for biology majors. Focus is on evolution, origin and diversity of life, Ecology and climate change. Three hours of lecture and 2 hours of laboratory per week. This course satisfies the Natural Science component of General Education.

BY-110 Introduction to Cell and Molecular Biology **Credits: 4**
Term Offered: All Terms
Course Type(s): NS
For biology majors and other students needing an introduction to the cellular and molecular levels of biology. Includes an introduction to cell structure and function, biochemistry and metabolism, bioenergetics, genetics and cell division, and molecular biology. Three hours of lecture and three hours of laboratory per week. Limited to majors in Biology, Chemistry, Clinical Science, Medical Laboratory Science, Mathematics, Computer Science, Software Engineering, Criminal Justice, Health Studies, and Health and Physical Education.

BY-111 Anatomy and Physiology I **Credits: 4**
Term Offered: All Terms
Course Type(s): NS
Study of human systems: structure, function and integration, including chemical and cellular base, integumentary, skeletal, muscular and nervous systems. Laboratory covers human anatomy, microscopy of tissues and organs, and physiological study of living organisms. Three hours of lecture, two hours of laboratory per week. Open to Health Studies, Health Promotion, Health and Physical Education and Education, and Nursing majors only. This course is a non-major level Biology course and cannot be used to fulfill the Biology minor. Students pursuing professional graduate health programs should register for BY-211. Students who take BY-111 are not eligible to take BY-211.

BY-112 Anatomy and Physiology II **Credits: 4**
Prerequisite(s): BY-111 passed with a grade of C- or higher
Course Type(s): NS
Study of human systems: structure, function and integration, including special senses, digestive, endocrine, cardiovascular, lymphatic and immunity, respiratory, urinary and reproductive. Laboratory covers human anatomy, microscopy of tissues and organs, and physiological study of living organisms. Three hours of lecture, two hours of laboratory per week. Open to Health Studies, Health Promotion, Health and Physical Education and Education, and Nursing majors only. This course is a non-major level Biology course and cannot be used to fulfill the Biology minor. Students pursuing professional graduate health program should register for BY-212. Students who have taken BY-112 are not eligible to take BY-212.

BY-113 Introduction to Structure and Function of Living Systems **Credits: 3**
Term Offered: All Terms
Course Type(s): NS
Examines the characteristics of living organisms. Intended primarily for future elementary teachers to provide them with a better understanding of the life sciences they will teach. Content will focus on the structure and function of cells, tissues and organs and life processes. There is an emphasis on understanding heredity, including patterns of inheritance of traits and the molecular basis of heredity, and growth and development. This is an activity-centered/lab course to demonstrate scientific inquiry (questioning, developing hypotheses, gathering data, and drawing reasonable conclusions) and how to use resources and research material in science. BY-113 does not count towards the Biology major or minor requirements.

BY-114 Unity and Diversity of Life **Credits: 3**
Term Offered: Fall Term
Course Type(s): NS
Intended primarily for future elementary school teachers to provide them with a better understanding of the life sciences they will teach. Examining the interdependence and individuality of organisms in ecosystems, populations and communities and how these organisms change over time due to life cycles, mutations, adaptions and natural selection. Classification of organism will also be covered. This is an activity-centered/lab course to demonstrate scientific inquiry (questioning, developing hypotheses, gathering data, and drawing reasonable conclusions) and how to use resources and research material in science. BY-114 does not count towards the Biology major or minor requirements.

BY-116 The Biology of Nutrition, Aging, and Anti-Aging Nutrition **Credits: 3**
Course Type(s): None
Discussions of the theories of aging and the role of nutrition in delaying aging and preventing degenerative disease. Analysis of the scientifically sound, medically reliable evaluation of widely promoted nutritional supplements, including the anti-aging nutrients: vitamins, minerals, amino acids, nucleic acid derivatives, lipids and derivatives, pharmaceuticals and chemicals (BHA, BHT, DMSO, etc.) and other supplements (L-Carnitine, ginseng, etc.)

BY-118 The Mighty Microbes **Credits: 3**
Term Offered: Spring Term
Course Type(s): NS
An introductory microbiology course designed for non-science majors. Students will investigate microbiology in everyday living. Topics will include the role microbes have in health, disease, the environment, and food and beverage production. Attention will be devoted to microbiology related current issues. Students will learn the impact microbes have in society so that they develop awareness, knowledge of and appreciation of microbiology.

BY-119 Introductory Biology Major Seminar **Credits: 1**
Term Offered: All Terms
Course Type(s): None
Designed for first-year students in any of the majors offered by the Biology Department, this course will introduce students to the academic requirements required for the major, and the related skills to be successful in college and beyond, including University resources, curricular and co-curricular requirements, and opportunities related to the Biology major. Preparation for research and advanced coursework will be emphasized, and students will be introduced to career resources. Transition to studying and integrating into the Monmouth University Department of Biology will be complemented by the assistance of a peer learning assistant for the course. Attendance at a limited number of campus events will be required. This course will be offered as "pass/fail". Limited to students with 30 or fewer credits.

BY-201 Introduction to Biotechnology **Credits: 3**
Prerequisite(s): BY-110 passed with a grade of C- or higher
Term Offered: All Terms
Course Type(s): MC
Introduction to recent advances in biotechnology: the use of living organisms to create products, applications or processes that improve the quality of life for humans and other species. Presents historical and modern applications of biotechnology that impact our everyday lives. An overview of current developments and applications of microbial, agricultural, animal, marine and forensic biotechnology, bioremediation, and medical biotechnology will be presented. Regulatory agencies and policies that govern the biotechnology industry will be discussed, and students will also learn to formulate opinions about ethical, legal and social issues associated with biotechnology.

BY-205 Zoology **Credits: 3**
Prerequisite(s): BY-109 passed with a grade of C- or higher
Term Offered: All Terms
Course Type(s): None
This course provides an introductory survey of vertebrate and invertebrate zoology. Topics covered include taxonomy and classification, anatomy and physiology, behavior and ecology, and evolutionary relationships of the major phyla of the animal kingdom with a specific focus on local marine species. The laboratory component of the course focuses on the diversity of the animal kingdom from a structural, functional and ecological perspective. Labs will include exercises that will include examination of live organisms, dissections and examinations of preserved specimens, and field trips.

BY-206 Introduction to Oceanography **Credits: 3**
Term Offered: All Terms
Course Type(s): MEBP
Our lives are linked to the oceans, and through this class you will gain a better understanding of our natural world by learning the key aspects and natural processes of our planet's oceans. Topics covered include ocean origins, chemistry, physics, atmospheric interactions, biological oceanography and environmental issues including climate change impacts. Course will include field trips.

BY-209 Environment and Human Health **Credits: 3**
Prerequisite(s): BY-109 and BY-110, both passed with a grade of C- or higher
Term Offered: Fall Term
Course Type(s): MC, MEBP
Human activities are adversely affecting ecosystems throughout the world. Some of these changes may be deleterious to human health. The purpose of this course is to provide students with an understanding of the relationship between the environment and human health. Specific topics that will be covered are the importance of biodiversity to human health, the relationships between global warming and vector-borne diseases, microbial evolution and resistance of pathogenic organisms, persistent pollutants and toxicity, and the effect of environmental disasters on human health. A focus of this course will be to integrate several areas of biology including microbiology, toxicology, and environmental science.

BY-210 Forensic Genetics and DNA Analysis **Credits: 3**
Prerequisite(s): BY-110 and CJ-211
Term Offered: Spring Term
Course Type(s): None
Focus on fundamental principles of DNA and genetic analysis and their applications in forensics. Designed for criminal justice majors who have had an introduction to Mendelian and molecular genetics and to DNA structure, but who need more background in the underlying biology of forensic DNA analysis and interpretation. Sources of DNA will be presented along with methods for DNA extraction, amplification of DNA by polymerase chain reaction, analysis of restriction fragment length polymorphisms and short tandem repeats. Open only to Criminal Justice majors.

BY-211 Physiology with Anatomy I **Credits: 4**
Prerequisite(s): BY-110, CE-111, and CE-112 all passed with a grade of C- or higher
Term Offered: All Terms
Course Type(s): MC
Lecture and laboratory course Study of Human Systems: Their structure, function and integration. Laboratory covers gross human anatomy and physiology. Three hours of lecture and two hours of laboratory per week. Open only to Biology, Chemistry, Medical Lab Science, Clinical Lab Science, Health, and Psychology majors. Students who have taken BY-211 are not eligible to take BY-111.

BY-212 Physiology with Anatomy II **Credits: 4**
Prerequisite(s): BY-110, BY-211, CE-111, and CE-112 all passed with a grade of C- or higher
Course Type(s): MC
Lecture and laboratory course Study of Human Systems: Their structure, function and integration. Laboratory covers gross human anatomy and physiology. Three hours of lecture and two hours of laboratory per week. Open only to Biology, Chemistry, Medical Lab Science, Clinical Lab Science, Health, and Psychology majors. Students who have taken BY-212 are not eligible to take BY-112.

BY-214 Botany **Credits: 3**
Prerequisite(s): BY-109 passed with a grade of C- or higher
Course Type(s): None
Characteristics of the major plant groups, principles of plant taxonomy, considerations of evolutionary and ecological relationships. Two hours of class, two hours of laboratory per week.

BY-216 Introduction to Genetics **Credits: 4**
Prerequisite(s): BY-110 passed with a grade of C- or higher
Term Offered: All Terms
Course Type(s): TL
Focuses on one of the core concepts of biology; the flow, exchange, and storage of hereditary information. Topics will include principles of classical and molecular genetics, including transmission, arrangement, and alteration of genetic information; structure, function, and regulation of the genetic material; biological variation resulting from recombination, mutation, and population genetics; applications to human heredity. Two 80-minute lectures and one 3-hour lab per week.

BY-220 Environmental Biology and Policy **Credits: 3**
Prerequisite(s): BY-109
Term Offered: Fall Term
Course Type(s): ME, SUS
Focuses on human use of natural resources and the environment and the problems and impacts that result from those uses. By taking an interdisciplinary perspective, students will gain an understanding of the scientific, political and socioeconomic factors that underlie resolution of these problems.

BY-221 Introduction to Global Sustainability **Credits: 3**
Term Offered: Fall Term
Course Type(s): MEBP, SUS
Introduces students to the global, environmental, economic and social foundations of sustainability and the policy and scientific challenges involved with accommodating population growth, development, and resources used while assuring that future generations will have the natural and economic resources to support an enhanced quality of life. An emphasis will be placed on understanding of sustainability principles from multiple perspectives and cross-disciplinary application of sustainable practices. Also listed as PS-223.

BY-223 General Microbiology **Credits: 4**
Prerequisite(s): BY-110 passed with a grade of C- or higher
Term Offered: All Terms
Course Type(s): MC, MEBP
Morphology, taxonomy, physiology, genetics, and control of microorganisms; history of microbiology. Three hours of class, three hours of laboratory per week.

BY-250 Research in Molecular Cell Physiology **Credits: 1-3**
Prerequisite(s): BY-110 passed with a grade of C- or higher
Term Offered: All Terms
Course Type(s): EX5, MC
Faculty-student collaborative research lab course designed to introduce students to the research process. Students will work in small groups under faculty supervision to conduct research on a project in molecular cell physiology determined by the directing faculty member. Students will be involved in the research process by developing hypotheses, planning and carrying out experiments using modern lab techniques, analyzing data, and evaluating resource information. Research may be extended in detail in BY-450. Limited to sophomore Biology majors.

BY-262 Primate Behavior, Evolution, and Ecology **Credits: 3**
Term Offered: Spring Term
Course Type(s): NS
The study of primatology, which examines the lifeways, biology, and behavior of our closest living relatives. Various topics will be explored including taxonomy and classification, diet, behavior, grouping patterns, locomotion, and land usage patterns of monkeys, apes and prosimians. These topics will be explored within the frameworks of natural selection, sexual selection, and evolution. Also listed as AN-262.

BY-264 Environmental Field Methods **Credits: 3**
Prerequisite(s): BY-109 passed with a grade of C- or higher.
Term Offered: Fall Term
Course Type(s): MEBP
Environmental Field Methods provides students with hands on experience in environmental and marine research by learning a suite of techniques and working under real field conditions. Students become familiar with the use and application of standard environmental and marine science instruments and sampling techniques and devices, as well as data handling, management and analysis techniques. One course meeting per week for three hours. This course will be taught as a fully integrated team-taught course, with two faculty who have environmental and marine research expertise.

BY-290 Open Water Scuba Certification Course **Credits: 2**
Term Offered: All Terms
Course Type(s): MEBP, OUTDR
The Open Water Scuba Certification course entails completion of the Professional Association of Diving Instructors (PADI) Open Water Diver course, the world's most popular scuba course. Completion of this course leads to PADI scuba certification as an open water diver. Limited to 8 students. Skills course: Outdoor Pursuits (Individual). This is a pass/fail course. Also listed as PE-290.

BY-298 Special Topics in Biology (200 Level) **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
An intensive study of a particular subject or problem in biology to be announced prior to registration. May be conducted in a lecture, seminar, or laboratory format. Please note: when Scuba is offered as BY-298 it does not carry a course type of MC. If a prerequisite is required it will be announced in the course schedule.

BY-299 Independent Study in Biology **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
Principles of independent study and research; critical review of published work on a designated topic in the biological sciences or original research; preparation of a research paper or review article in publishable format or oral presentation of research results. Laboratory or field work arranged as needed. Requires submission and approval of an "Application for Independent Study" (an e-form is available on WEBadvisor) with a faculty mentor. To take this course, students need prior permission of the directing professor and department chair and Sophomore or higher standing in Biology (Total of all independent study credits to be counted towards the degree may not exceed six, unless approved by the Dean).

BY-301 Vertebrate Histology **Credits: 3**
Prerequisite(s): BY-205 passed with a grade of C- or higher
Course Type(s): MC
Microscopic structure of vertebrate cells, tissues, and organs, emphasizing microscopic anatomy of the human body. Laboratory identification of vertebrate tissues. Two hours of class, three hours of laboratory per week.

BY-308 Unifying Concepts in Biology **Credits: 3**
Prerequisite(s): BY-113 and BY-114 or permission of the instructor
Course Type(s): None
Unifying Concepts in Biology is a capstone course for elementary education majors in the Interdisciplinary Studies for Elementary Educators (ISEE) program. This course integrates scientific methodology, life science, earth science, and environmental science concepts and is designed to prepare future educators for the K-8 science classroom. A strong emphasis is placed on exploring relationships between living organisms and the environment through the use of hands on lab activities, problem-based approaches, and inquiry learning. BY-308 does not count toward the biology major or minor requirements.

BY-310 Biochemistry and Lab **Credits: 4**
Prerequisite(s): BY-216 and CE-242 passed with a grade of C- or higher; and EN-101 and EN-102 or permission of the instructor
Course Type(s): MEBP, WT
A survey of the major principles of biochemistry with attention to the structures and functions of proteins, carbohydrates and fats; the major pathways for metabolism of proteins, carbohydrates and fats; and the biochemical basis of DNA replication and gene expression. Laboratory provides hands-on experience in selected biochemical techniques with an emphasis on protein characterization. Designed to provide practice and critique in effective writing and appropriate writing style and format.

BY-311 Herpetology **Credits: 4**
Prerequisite(s): BY-109 and BY-205
Term Offered: All Terms
Course Type(s): MEBP
This course is designed for undergraduate students in marine and environmental biology and policy as well as students in a biology program. This course will provide an overview of the structure, behavior, evolution and taxonomy of reptiles and amphibians. Additionally, this course will discuss critical concepts in management and conservation. The laboratory emphasis will be on identification, anatomy and ecology of New Jersey reptile and amphibian species, as well as methods and techniques for surveying, estimating population sizes and home ranges. Prerequisites: BY-109 and BY-205

BY-314 Topics in Horticulture **Credits: 3**
Term Offered: Spring Term
Course Type(s): MC, ME, MEBP
Principles and practices of plant culture; practical experience through greenhouse projects; the horticulture industry and career possibilities; field trips to places of horticultural interest. Two hours of class, three hours of laboratory per week. Field trips arranged.

BY-317 Tropical Island Ecology **Credits: 3**
Prerequisite(s): BY-109 passed with a grade of C- or higher.
Term Offered: Spring Term
Course Type(s): EX5, FLT, ME, MEBP, NS
A field course focusing on investigations of plants, animals, and natural ecosystems of the Bahamas with emphasis on marine ecosystems, island ecology, resource management, and sustainable development.

BY-322 Ichthyology **Credits: 4**
Prerequisite(s): BY-109 and BY-205, passed with a C- or better
Term Offered: Fall Term
Course Type(s): MEBP
A survey of all-extant groups of fishes (e.g., bony fishes, cartilaginous fishes, and jawless fishes), including sections on evolution, taxonomy, form and function, biogeography, behavior, and ecology. Laboratory component will include required dissections. There will be several scheduled off campus field trips. Three hours of lecture and three hours of laboratory per week.

BY-324 Applied Microbiology **Credits: 4**
Prerequisite(s): BY-223 passed with a grade of C - or higher
Term Offered: Spring Term
Course Type(s): MC, ME, MEBP
Microorganisms of food, water, soil, dairy products, industrial processes, disease, and genetic engineering. Three hours of class, three hours of laboratory per week.

BY-327 Design and Analysis of Biological Experiments **Credits: 3**
Prerequisite(s): MA-151 or MA-220 or BE-251 passed with a grade of C or higher or permission of the instructors.
Term Offered: Spring Term
Course Type(s): MEBP
The purpose of this course is to learn about the statistical design & analysis of biological experiments. After learning mathematical techniques of designing experiments, and statistical analyses customized to them, students will be presented with a broad research question by the instructors. Literature surveys will be a critical part of the course to allow students to find pertinent, relevant, potentially publishable biological questions that address a specific aspect of the larger question posed by the instructors. Students will design their own experiment addressing their question, generate their own data collection plan, collect their data, and then analyze their data using statistical techniques taught in class. This course will involve field/lab work for data collection and computer work in the statistical analysis of the final data. Students will defend their question, design and analysis from both a statistical and biological perspective. At the end of the semester students will complete a formal manuscript in journal format. This course can be used to fulfill the Mathematics or Statistics minor and the Bio/MEBP elective. This course is a research based course and students must have demonstrated a strong interest in and potential for research. Also listed as MA-327.

BY-341 Marine Biology **Credits: 4**
Prerequisite(s): BY-205 and BY-214, both passed with a grade of C- or higher
Term Offered: Fall Term
Course Type(s): None
Biota of the oceans and inshore waters with an emphasis on ecology, functional morphology, and marine and estuarine habitats. Basic oceanography is also included. Marine biology is a laboratory course supported by lectures and field projects. Field trips outside of class time may be required.

BY-342 Coastal Zone Management **Credits: 3**
Prerequisite(s): BY-220 passed with a grade of C- or higher, and EN-101 and EN-102
Term Offered: Spring Term
Course Type(s): ME, WT
Focus on the impact of increased demand on the coastal environment based on the theme that management of an environment for multiple purposes requires an understanding of the effects of use and exploitation throughout that environmental system and how decisions can be made in an effective, equitable manner.

BY-360 The Business of Biotechnology: From the Bench to the Market **Credits: 3**
Prerequisite(s): Limited to junior or senior biology majors or other students with approval by the course faculty. BY-110 or BY-201 completed with a grade of C- or higher. For Business majors: BY-102, BY-110, or BY-201, completed with a grade of C- or higher
Term Offered: Fall Term
Course Type(s): MC
Tomorrow's biotechnology leaders require a breadth of cross-functional knowledge to face the scientific, regulatory, and financial challenges for developing biotech companies in the 21st century. This course will provide students with a strategic overview of the business of biotechnology, exploring the integration of science, technology, the regulatory framework, financial requirements, and market forces that drive the industry. The course will introduce students to basic aspects of molecular biology related to product development in the biopharmaceutical industry, and the regulatory and financial requirements for drug development, placing emphasis on real-world application and the challenges of bringing new biotechnology drugs to market for the treatment of human disease. Limited to junior or senior biology majors or other students with approval by the course faculty. BY-110 or BY-201 completed with a minimum grade of C- or higher is required. For Business majors BY-102, BY-110, or BY-201, completed with a minimum grade of C- or higher are required.

BY-370 Cell Biology **Credits: 3**
Prerequisite(s): BY-310
Course Type(s): None
In-depth study of biology at the cellular and subcellular levels. Integrates principles of biochemistry into an understanding of cell structure and physiology. Prerequisite: BY-310

BY-375L Laboratory in Molecular and Cellular Biology **Credits: 3**
Prerequisite(s): BY-310, and EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): MEBP, RD, WT
Designed to introduce biology majors to basic laboratory techniques used in molecular and cellular biology. Students will develop proficiency in modern techniques in molecular and cellular biology including micro pipetting, bacterial culturing and sterile technique, solution preparation, DNA extraction, restriction digestion of DNA, DNA sub cloning, gel electrophoresis of nucleic acids and proteins, nucleic acid blotting and analysis with molecular probes, DNA sequencing, polymerase chain reaction (PCR), immunological techniques for analysis of proteins, mammalian cell culture and transfection, and DNA sequence analysis on the Internet. The use of traditional and Internet information resources for molecular and cellular biology will also be emphasized. The presentation of data in both oral and written form will be emphasized. Partially fulfills the reasoned oral discourse requirement for biology and biology/molecular cell physiology.

BY-388 Cooperative Education: Biological Sciences **Credits: 1-4**
Prerequisite(s): 6 credits in Biology, overall G.P.A. of 2.00 and Junior standing or higher
Term Offered: All Terms
Course Type(s): EX2
Provides an opportunity for students to fulfill the Experiential Education requirement by pursuing a short-term cooperative work experience in biology or for students who, are currently employed in a biological or medical field, to integrate the work with a related academic component. May be repeated for credit. This is a pass/fail course. Departmental approval is required to take this course.

BY-389 Internship in Biological Science **Credits: 1-3**
Prerequisite(s): Overall GPA of 2.00; Junior status, at least six credits of biology courses and departmental approval
Term Offered: All Terms
Course Type(s): EX1
Complements the practical experience gained by students at internship sites, such as hospitals, clinics, private practices, research laboratories, environmental agencies, museums, botanical gardens, and zoos with a significant set of academic goals. May be repeated once for credit. This is a pass/fail course.

BY-395 Seminar in Marine and Environmental Biology **Credits: 3**
Term Offered: Spring Term
Course Type(s): RD
A seminar-style course for juniors in the Marine and Environmental Biology and Policy (MEBP) major.

BY-398 Special Topics in Biology (300 Level) **Credits: 1-3**
Prerequisite(s): BY-110
Term Offered: All Terms
Course Type(s): None
An intensive study of a particular subject or problem in biology to be announced prior to registration. May be conducted in a lecture, seminar, or laboratory format. If a prerequisite is required it will be announced in the course schedule.

BY-399 Independent Study in Biology **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
Principles of independent study and research; critical review of published work on a designated topic in the biological sciences or original research; preparation of a research paper or review article in publishable format or oral presentation of research results. Laboratory or field work arranged as needed. Requires submission and approval of an "Application for Independent Study" an e-form is available on WEBadvisor) with a faculty member. Students must have prior permission of the directing professor and department chair; and Junior standing in Biology to take this class. (Total of all independent study credits to be counted towards the degree may not exceed six, unless approved by the Dean.)

BY-404 Animal Behavior **Credits: 3**
Prerequisite(s): PY-103 or BY-103 or above, passed with a grade of C- or higher
Course Type(s): None
Why and how animals (vertebrates and invertebrates) do the things they do. Emphasizes rules governing the evolution of behavior rather than mere description of how animals behave. Focus includes behavioral ecology, habitat selection, feeding strategies, predator-prey tactics, mating systems and strategies, social behavior (conflict and cooperation) and population dynamics. The course begins with an historical overview and ends with the evolution of human behavior. Also listed as PY-404.

BY-404L Animal Behavior Laboratory **Credits: 1**
Prerequisite(s): PY-311 and PY-320 passed with a grade of C or higher
Co-requisite(s): BY-404 or PY-404
Term Offered: Spring Term
Course Type(s): None
Methods in the study of animal behavior. Projects on instinctive behavior, early experience, learning, dominance relationships, territoriality, behavioral ecology, and sociobiology. One all-day field trip and an independent project will be required.

BY-406 Introduction to Neurosciences **Credits: 3**
Prerequisite(s): BY-216 passed with a grade of C- or higher
Term Offered: Spring Term
Course Type(s): MC, ME
The organization of the nervous system in terms of its anatomy, physiology, neurochemical correlates, and evolution; behavioral processes such as attention, sleep, motivation, instinct, learning, and languages.

BY-406L Neurosciences Laboratory **Credits: 1**
Co-requisite(s): BY-406
Course Type(s): MC
Human and animal neuroanatomy; surgical techniques, including lesion, stimulation, and perfusion; histology; drug and hormone administration; physiological recording techniques. Three hours per week.

BY-410 Molecular Biology **Credits: 3**
Prerequisite(s): BY-216 or BY-310 or CE-331 passed with a grade of C- or higher
Term Offered: All Terms
Course Type(s): None
Provides a detailed examination of the central dogma of molecular biology - DNA replication, transcription, reverse transcription, and translation - in viruses, prokaryotes, and eukaryotes. Standard techniques of biotechnology used to study molecular biology will be emphasized. Additional topics, including eukaryotic chromosome structure and regulation of gene expression, will also be discussed.

BY-412 Vertebrate Physiology and Laboratory **Credits: 3**
Term Offered: Spring Term
Course Type(s): MC
Comparative vertebrate physiology, with emphasis on osmotic regulation, nutrition, circulation, respiration, and muscle physiology. One hour of class, four hours of laboratory per week.

BY-420 Applied Field Biology **Credits: 1-3**
Prerequisite(s): MA-151, BY-205, BY-214, and BY-220 or permission of the instructor.
Term Offered: Spring Term
Course Type(s): EX1, MEBP
Applied Field Biology is a research-based applied ecology course that combines lectures, hands-on field and laboratory activities, and focused data collection and analysis to allow participating students to understand techniques used by scientists and environmental managers in order to provide information necessary to perform key functions associated with natural resource and ecosystem conservation and management. The course is designed to allow students in the Marine and Environmental Biology and Policy Program (MEBP) to fulfill their Experiential Education requirement. This course is repeatable twice for credit.

BY-424 Evolution **Credits: 3**
Prerequisite(s): BY-109 and BY-216, both passed with a grade of C- or higher
Term Offered: All Terms
Course Type(s): MC, ME, MEBP
Synthetic theory of evolution, including sources of genetic variability, Hardy-Weinberg, natural selection, genetic drift, balanced polymorphism, molecular evolution, speciation and the origin of life. Three hours of class per week.

BY-425 Principles of Developmental Biology **Credits: 4**
Prerequisite(s): BY-216 passed with a grade of C- or higher
Term Offered: All Terms
Course Type(s): MC
The study of major morphological changes during development and the analysis of causative factors. Model organisms used in the study of development include: sea urchin, nematode worm, Drosophila, frog, and mouse. Topics include: fertilization, growth, differentiation, morphogenesis, regeneration, and tissue interactions. The genetic control of development will be emphasized.

BY-427 Cancer Biology **Credits: 3**
Co-requisite(s): BY-370 or BY-410
Term Offered: Spring Term
Course Type(s): MC
Course will provide students with a foundation in the molecular biology of cancer. Topics include the genetic and molecular changes that lead to transformation, oncogenes, tumor suppressors, viruses, angiogenesis, metastasis, tumor immunology, and clinical trials and treatments. Primary literature and review articles, as well as field work, will be used to understand advances in cancer biology and treatment.

BY-430 Neuroscience Beyond Neurons **Credits: 3**
Prerequisite(s): BY-216
Term Offered: Spring Term
Course Type(s): MC
A seminar-style class with focus on the different cell types that make up the brain and how they interact and signal with one another. Topics include how glial-neuronal interactions impact brain development, brain metabolism, and numerous pathological conditions. Objectives will be met through lectures and class discussions, readings from primary literature, journals clubs and class debate.

BY-431 Immunology **Credits: 3**
Prerequisite(s): BY-110 passed with a grade of C- or higher
Term Offered: All Terms
Course Type(s): MC
Components of the immune system; biological individuality and the recognition of "foreignness"; structure of antibodies; cellular immunity and graft rejection; blood group antigens; the immune system and cancer development; immunogenetics; clinical and experimental applications. Two hours of class, two hours of laboratory per week.

BY-440 Ecology **Credits: 4**
Prerequisite(s): BY-205 or BY-214, and MA-151 all passed with a grade of C- or higher, and EN-101 and EN-102 and Senior standing.
Term Offered: Fall Term
Course Type(s): WT
Lecture and laboratory course examining the concepts of ecology and evolutionary biology, the interaction of organisms and their environment, population ecology, community ecology, and ecosystems dynamics. 3 hours of lecture and 3 hours of lab/field work per week. Prerequisites: BY-205 or BY-214, and BY-220 all passed with a grade of C- or higher, and EN-101 and EN-102 and Senior standing

BY-442 Natural Resource Conservation and Management **Credits: 3**
Prerequisite(s): BY-220 passed with a grade of C- or higher, and EN-101 and EN-102
Term Offered: Spring Term
Course Type(s): SUS, WT
The principles of ecology and resource management are used to analyze contemporary environmental problems and highlight legislative, technological, and methodological solutions to environmental problems that move us toward a sustainable society.

BY-450 Research in Molecular Cell Physiology **Credits: 1-3**
Prerequisite(s): BY-310 passed with a grade of C- or higher
Term Offered: All Terms
Course Type(s): EX5, MC
A faculty-student collaborative research lab course. Students will work in small groups under faculty supervision to conduct comprehensive research on a project in molecular cell physiology determined by the directing faculty member. Students will experience all aspects of the research process, from developing hypotheses, planning and carrying out experiments using modern lab techniques, and analyzing data, to preparing research results for publication. May be taken to extend research initiated in BY-250. May be repeated for a maximum of six credits. Limited to Junior or Senior biology majors.

BY-475 Endocrinology **Credits: 3**
Prerequisite(s): BY-310 or twelve credits in Biology
Term Offered: Spring Term
Course Type(s): MC, ME
Introduction to biochemical, molecular, and physiological aspects of the vertebrate endocrine system and mechanisms by which hormones maintain homeostasis in animals, including humans. Topics to be studied include: molecular structures: biochemical properties and interactions of different categories of hormones and their receptors; major endocrine systems that regulate reproduction, growth, development, and metabolism; neuroendocrinology; and pathophysiology of the endocrine system. Hormones and organs that influence processes such as calcium homeostasis, digestion, salt balance, carbohydrate metabolism, and sex differentiation and development will be examined. Endocrine regulation of male and female reproductive organs and reproduction will also be discussed, including the hormonal control of fertilization, implantation, placental function, pregnancy, parturition, lactation, and contraception.

BY-489 Internship in Biological Science **Credits: 3**
Prerequisite(s): 6 credits in Biology, Junior standing and a minimum G.P.A. of 2.00
Term Offered: All Terms
Course Type(s): EX1
Complements the practical experience gained by students at internship sites, such as hospitals, clinics, private practices, research laboratories, environmental agencies, museums, botanical gardens, and zoos with a significant set of academic goals. May be repeated once for credit. Departmental approval is required to take this course. This is a pass/fail course.

BY-495 Senior Seminar **Credits: 1**
Prerequisite(s): completion of 90 credits; for Biology majors only
Term Offered: All Terms
Course Type(s): RD
A seminar course with presentations by guest scientists as well as students. Gauges students' abilities to draw upon a broad background of coursework and experience to organize, present, discuss, and evaluate topics of current interest in biology.

BY-499 Independent Study in Biology **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
Principles of independent study and research; critical review of published work on a designated topic in the biological sciences or original research; preparation of a research paper or review article in publishable format or oral presentation of research results. Laboratory or field work arranged as needed. Requires submission and approval of an "Application for Independent Study" (an e-form is available on WEBadvisor) with a faculty member. Students are required to have prior permission of the directing professor and department chair and Senior standing in Biology to take this course. (Total of all independent study credits to be counted towards the degree may not exceed six, unless approved by the Dean.)

BY-499E Independent Study in Biology **Credits: 1-3**
Prerequisite(s): BY-216 and 2 credits of prior research experience (BY-299, BY-399, or BY-499).
Term Offered: All Terms
Course Type(s): EX5, MC, MEBP
Principles of independent study and research; critical review of published work on a designated topic in the biological sciences or original research; preparation of a research paper or review article in publishable format or oral presentation of research results. Laboratory or field work arranged as needed. Requires submission and approval of an "Application for Independent Study" (an e-form is available on WEBadvisor) with a faculty member. Students are required to have prior permission of the directing professor and department chair and Senior standing in Biology to take this course. (Total of all independent study credits to be counted towards the degree may not exceed six, unless approved by the Dean.)

BY-499T Independent Study in Biology with Thesis **Credits: 1**
Term Offered: All Terms
Course Type(s): None
Preparation and submission of a thesis in science journal format. The thesis will contain results from the completion of independent study and research and will include appropriate description of the background and methods for the project and discussion of the results and its significance. It is designed specifically for students desiring Biology departmental honors. Students are required to have permission of the course advisor and Senior standing in Biology, Biology with a concentration in Cell and Molecular Physiology, or Marine and Environmental Biology and Policy in order to take this course.

B.S. in Biology

Code	Title	Credits
Major Requirements/Biology (41 credits) [1]		
(Satisfies Natural Sciences in General Education)		
BY-119	Introductory Biology Major Seminar	1
BY-109	Introduction to Ecology and Evolution	4
BY-110	Introduction to Cell and Molecular Biology	4
BY-216	Introduction to Genetics	4
(Satisfies Technological Literacy (TL) in General Education)		
BY-495	Senior Seminar	1
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
Advanced Biology Electives: Select 27 credits including a minimum of one course from each category listed below. Additional BY electives may be offered that do not fall into one of these categories and can be used for elective credit. [2, 3]		27
Pathways and Information Flow		
BY-201	Introduction to Biotechnology	
BY-310	Biochemistry and Lab (Satisfies Writing Intensive (WT) requirement)	
BY-370	Cell Biology	
BY-375L	Laboratory in Molecular and Cellular Biology (Satisfies Writing Intensive (WT) requirement)	
BY-406	Introduction to Neurosciences	
BY-410	Molecular Biology	
BY-427	Cancer Biology	
BY-430	Neuroscience Beyond Neurons	
BY-431	Immunology	
Organismal Structure & Function		
BY-205	Zoology	
BY-211	Physiology with Anatomy I	
BY-212	Physiology with Anatomy II	
BY-214	Botany	
BY-223	General Microbiology	
BY-322	Ichthyology	
BY-324	Applied Microbiology	
BY-341	Marine Biology	
BY-425	Principles of Developmental Biology	
Evolution & Ecological Systems		
BY-206	Introduction to Oceanography	
BY-209	Environment and Human Health	
BY-220	Environmental Biology and Policy	
BY-221	Introduction to Global Sustainability	
BY-317	Tropical Island Ecology	
BY-420	Applied Field Biology	
BY-424	Evolution	
BY-440	Ecology	
BY-442	Natural Resource Conservation and Management	
(BY-440 or BY-442) Satisfies Writing Intensive (WT) requirement		
Interdisciplinary Requirements (30 credits)		
Select one of the following:		3
MA-115	Pre-Calculus Modeling for the Biological Sciences	
MA-116	Calculus for the Biological Sciences	
MA-125	Calculus with Analytic Geometry I	
(MA-115, MA-116, or MA-125 satisfies Mathematics in General Education)		
MA-151	Statistics with Applications	3
CE-111	General Chemistry I	3
CE-111L	General Chemistry I Laboratory	1
CE-112	General Chemistry II	3
CE-112L	General Chemistry II Laboratory	1

CE-241	Organic Chemistry I	3
CE-241L	Organic Chemistry I Laboratory	1
CE-242	Organic Chemistry II	3
CE-242L	Organic Chemistry II Laboratory	1
PH-105	Physics for the Life Sciences I	3
PH-105L	Physics for the Life Sciences I Laboratory	1
PH-106	Physics for the Life Sciences II	3
PH-106L	Physics for the Life Sciences II Laboratory	1
Free Electives (18-19 credits)		
Complete 18 - 19 credits of free electives. [3]		18-19
General Education Requirements (30 credits)		
Complete 30 credits as outlined on the General Education table. [4]		30
Total Credits		**120**

[1] *BY-102 Applications in Biotechnology (3 cr.), BY-104 Human Biology (3 cr.), BY-105 Introductory Biology and Human Development (3 cr.), and BY-106 The Brain - Highs and Lows (3 cr.) are not available to BY majors.*

[2] *Two Writing Intensive courses (WT) must be selected and two courses (six credits of electives) must be at the 400-level. Take note of course prerequisites in the catalog descriptions. Writing intensive courses include BY-310, BY-342, BY-375L, BY-440, and BY-442.*

[3] Except BY-262

[4] *Please consult with your advisor regarding the required number of free electives that must be completed.*

[5] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education (p. 44) *courses must be completed.*

Notes

- 54 credits must be completed at the 200 level or higher.

Sequence Chart

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
BY-110 Introduction to Cell and Molecular Biology	4	CE-112 & 112L (Gen*Ed Natural Science (NS)	4
BY-119 Introductory Biology Major Seminar	1	BY-109 Introduction to Ecology and Evolution	4
MA-115, MA-116 or MA-125 (Gen*Ed Mathematics)	3	FO-xxx Gen*Ed World Language	3
CE-111 & 111L (Gen*Ed Natural Science (NS)	4	Gen*Ed Aesthetics (AT) AR,DA,MU,TH	3
Semester Credits	**15**	**Semester Credits**	**17**

Second Year

Fall	Credits	Spring	Credits
CE-241 Organic Chemistry I	3	CE-242 Organic Chemistry II	3
CE-241L Organic Chemistry I Laboratory	1	CE-242L Organic Chemistry II Laboratory	1
BY-216 Introduction to Genetics (Gen*Ed Technological Literacy (TL)	4	MA-151 Statistics with Applications	3
Gen*Ed Historical Perspectives (HS.SV)	3	Biology Elective	4
Gen*Ed Cultural Diversity (CD) or Global Understanding (GU)	3	Biology Elective: Organismal Structure and Function	3
		Gen*Ed Historical Perspective (HS.SV) or Social Science Survey (SS.SV)	3
Semester Credits	**14**	**Semester Credits**	**17**

Third Year

Fall	Credits	Spring	Credits
PH-105 & 105L	4	Biology Elective: Pathways and Information Flow	3
BY WT Elective	4	PH-106 & 106L	4
Gen*Ed Literature (LIT)	3	Free Electives	4
Biology Elective: Evolution and Ecological Systems	3	BY WT Elective	3
Free Elective	3		
Semester Credits	**17**	**Semester Credits**	**14**

Fourth Year

Fall	Credits	Spring	Credits
Gen*Ed Social Science (SS.SV)	3	PR-4xx Gen*Ed Interdisciplinary Perspectives (ISP)	3
BY-xxx Biology Electives	4	BY-495 Senior Seminar	1
Free Electives (Gen*Ed Experiential Education (ExEd)	6	BY-xxx Biology Elective (See curriculum chart)	3
		Free Electives	6
Semester Credits	**13**	**Semester Credits**	**13**

Total Credits 120

B.S. in Biology and Education with Endorsement in Secondary Education in Biology (BY.EDS.BS)

Code	Title	Credits
Major Requirements/Biology (30-31 credits) [1]		
BY-119	Introductory Biology Major Seminar	1
BY-109	Introduction to Ecology and Evolution	4
(Satisfies Natural Sciences in General Education)		
BY-110	Introduction to Cell and Molecular Biology	4
BY-216	Introduction to Genetics	4
(Satisfies Technological Literacy (TL) in General Education)		
BY-310	Biochemistry and Lab	4
BY-495	Senior Seminar	1
Select Option "A" or Option "B"		12-13
Option A		
Complete the following courses:		
BY-205	Zoology	
BY-220	Environmental Biology and Policy	
BY-440	Ecology	
Select one course from the following list:		
BY-317	Tropical Island Ecology	
BY-322	Ichthyology	
BY-324	Applied Microbiology	
BY-342	Coastal Zone Management	
BY-360	The Business of Biotechnology: From the Bench to the Market	
BY-370	Cell Biology	
BY-404	Animal Behavior	
BY-406	Introduction to Neurosciences	

BY-410	Molecular Biology	
BY-430	Neuroscience Beyond Neurons	
BY-431	Immunology	
BY-424	Evolution	
BY-425	Principles of Developmental Biology	
BY-427	Cancer Biology	
BY-450	Research in Molecular Cell Physiology	
BY-475	Endocrinology	
Option B		
BY-375L	Laboratory in Molecular and Cellular Biology	
Select 9 additional Biology credits with at least 4 credits at the 300 or 400 level		
BY-220	Environmental Biology and Policy	
BY-299, BY-399 or BY-499 Independent Study		
BY-201	Introduction to Biotechnology	
BY-209	Environment and Human Health	
BY-211	Physiology with Anatomy I	
BY-212	Physiology with Anatomy II	
BY-223	General Microbiology	
BY-250	Research in Molecular Cell Physiology	
BY-264	Environmental Field Methods	
BY-317	Tropical Island Ecology	
BY-324	Applied Microbiology	
BY-342	Coastal Zone Management	
BY-360	The Business of Biotechnology: From the Bench to the Market	
BY-370	Cell Biology	
BY-404	Animal Behavior	
BY-406	Introduction to Neurosciences	
BY-410	Molecular Biology	
BY-424	Evolution	
BY-425	Principles of Developmental Biology	
BY-427	Cancer Biology	
BY-431	Immunology	
BY-450	Research in Molecular Cell Physiology	
BY-475	Endocrinology	
Major Requirements/Education (24 credits) [2]		
ED-250	Psychological and Philosophical Foundations of Education	3
EDS-330	Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
EDS-336	Classroom Management	3
ED-319	Content Literacy and Assessment	3
ED-320	Teaching Emergent Multilinguals in an Inclusive Classroom	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
Select 9 credits as follows: [3]		
ED-416 & 416S	Clinical Practice and Clinical Practice Seminar	9
Biology Interdisciplinary Requirements (30 credits)		
MA-115	Pre-Calculus Modeling for the Biological Sciences	3
or MA-116	Calculus for the Biological Sciences	
(Satisfies Mathematics in General Education)		
(Satisfies Mathematics in General Education)		
MA-151	Statistics with Applications	3
CE-111	General Chemistry I	3
CE-111L	General Chemistry I Laboratory	1
CE-112	General Chemistry II	3
CE-112L	General Chemistry II Laboratory	1
CE-241	Organic Chemistry I	3
CE-241L	Organic Chemistry I Laboratory	1
CE-242	Organic Chemistry II	3
CE-242L	Organic Chemistry II Laboratory	1
PH-105	Physics for the Life Sciences I	3
PH-105L	Physics for the Life Sciences I Laboratory	1
PH-106	Physics for the Life Sciences II	3
PH-106L	Physics for the Life Sciences II Laboratory	1
Education Methods Requirements (6 credits) [3]		
ED-315	Digital Media and Instructional Technology Skills for Teachers	3
ED-369	Methods of Teaching Science at the Secondary Level	3
Free Electives (0 credits) [4]		
The number of free electives, if any, will be determined in consultation with your advisor. [4]		
General Education Requirements (30 credits) [5]		
Complete 30 credits as outlined on the General Education table. [5]		30
Total Credits		**120-121**

[1] *BY-102 Applications in Biotechnology (3 cr.), BY-104 Human Biology (3 cr.), BY-105 Introductory Biology and Human Development (3 cr.), and BY-106 The Brain - Highs and Lows (3 cr.) are not available to BY majors.*

[2] *Minimum grade of "C" required for Education Courses*

[3] *Students must complete the appropriate test requirement(s) with a passing score PRIOR to Clinical Practice.*

[4] Please consult with your advisor regarding the required number of free electives that must be completed.

[5] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(p. 44) courses must be completed.*

Additional Endorsements Available

- TSD - Teacher of Students with Disabilities - Secondary
- ESL - English as a Second Language - Secondary

Notes

- 54 credits must be completed at the 200 level or higher.
- Education majors are required to have an overall GPA of 3.00 for State Certification.

- By state regulation, all Education Majors seeking content area endorsement must complete 30 content credits (12+ credits at the 300+ level).

Sequence Chart

First Year

Fall	Credits	Spring	Credits
BY-109 Introduction to Ecology and Evolution or 110	4	EN-102 College Composition II	3
BY-119 Introductory Biology Major Seminar	1	BY-110 Introduction to Cell and Molecular Biology or 109	4
CE-111 & 111L	4	CE-112 & 112L	4
MA-115 Pre-Calculus Modeling for the Biological Sciences or 116	3	ED-250 Psychological and Philosophical Foundations of Education	3
EN-101 College Composition I	3	FO-xxx Gen*Ed World Language	3
Semester Credits	**15**	**Semester Credits**	**17**

Second Year

Fall	Credits	Spring	Credits
BY-216 Introduction to Genetics (Gen*Ed Technological Literacy (TL))	4	BY-xxx Biology Elective	3
CE-241 & 241L	4	CE-242 Organic Chemistry II	3
ED-320 Teaching Emergent Multilinguals in an Inclusive Classroom (Gen*Ed Reasoned Oral Discourse (RD) and Writing Intensive (WT)	3	CE-242L Organic Chemistry II Laboratory	1
Gen*Ed Aesthetics (AT) AR,DA,MU,TH	3	EDS-330 Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
		Gen*Ed Cultural Diversity (CD) or Global Understanding (GU)	3
		Gen*Ed Social Science Survey (SS.SV)	3
Semester Credits	**14**	**Semester Credits**	**16**

Third Year

Fall	Credits	Spring	Credits
BY-xxx Biology Elective	3	BY-xxx Biology Elective	3
BY-310 Biochemistry and Lab	4	PH-106 & 106L	4
PH-105 & 105L	4	MA-151 Statistics with Applications	3
EDS-336 Classroom Management	3	Gen*Ed Historical Perspectives (HS.SV)	3
		ED-319 Content Literacy and Assessment	3
Semester Credits	**14**	**Semester Credits**	**16**

Fourth Year

Fall	Credits	Spring	Credits
ED-315 Digital Media and Instructional Technology Skills for Teachers	3	ED-416 Clinical Practice	8
ED-369 Methods of Teaching Science at the Secondary Level	3	ED-416S Clinical Practice Seminar	1
Gen*Ed Historical Perspectives (HS.SV) or Social Science Survey (SS.SV)	3	Gen*Ed Interdisciplinary Perspectives	3
BY-xxx Biology Elective	3		
BY-4xx Biology Elective	3-4		
BY-495 Senior Seminar	1		
Semester Credits	**16-17**	**Semester Credits**	**12**

Total Credits 120-121

B.S. in Biology with a Concentration in Molecular Cell Physiology (BY.MC.BS)

Code	Title	Credits
Major Requirements/Biology - Molecular Cell Physiology (27 credits) [1]		
(Satisfies Natural Sciences in General Education)		
BY-119	Introductory Biology Major Seminar	1
BY-109	Introduction to Ecology and Evolution	4
BY-110	Introduction to Cell and Molecular Biology	4
BY-216	Introduction to Genetics	4
(Satisfies Technological Literacy (TL) in General Eduction)		
BY-310	Biochemistry and Lab	4
BY-370	Cell Biology	3
BY-375L	Laboratory in Molecular and Cellular Biology	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
BY-410	Molecular Biology	3
BY-495	Senior Seminar	1
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
At least 7 credits of BY must be at the 400 level		
Molecular Cell Electives (19 credits)		
Select a minimum of 19 Credits of Molecular Cell Electives		19
Choose one course to satisfy the "systems" area of Biology:		
BY-209	Environment and Human Health	
BY-211	Physiology with Anatomy I	
BY-212	Physiology with Anatomy II	
BY-223	General Microbiology	
BY-406	Introduction to Neurosciences	
BY-425	Principles of Developmental Biology	
BY-431	Immunology	
Choose one course to satisfy the "evolution" area of Biology:		
BY-223	General Microbiology	
BY-424	Evolution	
BY-425	Principles of Developmental Biology	
BY-427	Cancer Biology	
Additional credits may be satisfied with:		
Additional "systems" or "evolution" courses		
BY-360	The Business of Biotechnology: From the Bench to the Market	
BY 299/BY 399/BY 499 Independent Study		
BY-201	Introduction to Biotechnology	
BY-250	Research in Molecular Cell Physiology	
BY-450	Research in Molecular Cell Physiology	
BY-301	Vertebrate Histology	
BY-324	Applied Microbiology	

BY-406L	Neurosciences Laboratory	
BY-412	Vertebrate Physiology and Laboratory	
BY-475	Endocrinology	
Interdisciplinary Requirements (30 credits)		
Select one of the following:		3
(MA-115 or MA-116 or MA-125 satisfies Mathematics in General Education)		
MA-115	Pre-Calculus Modeling for the Biological Sciences	
MA-116	Calculus for the Biological Sciences	
MA-125	Calculus with Analytic Geometry I	
MA-151	Statistics with Applications	3
CE-111	General Chemistry I	3
CE-111L	General Chemistry I Laboratory	1
CE-112	General Chemistry II	3
CE-112L	General Chemistry II Laboratory	1
CE-241	Organic Chemistry I	3
CE-241L	Organic Chemistry I Laboratory	1
CE-242	Organic Chemistry II	3
CE-242L	Organic Chemistry II Laboratory	1
PH-105	Physics for the Life Sciences I	3
PH-105L	Physics for the Life Sciences I Laboratory	1
PH-106	Physics for the Life Sciences II	3
PH-106L	Physics for the Life Sciences II Laboratory	1
Free Electives (14 credits) [2]		
Complete a minimum of 14 credits of free electives [2]		14
General Education Requirements (30 credits) [3]		
Complete 30 credits as outlined on the General Education table. [3]		30
Total Credits		**120**

[1] *BY-102 Applications in Biotechnology (3 cr.), BY-104 Human Biology (3 cr.), BY-105 Introductory Biology and Human Development (3 cr.), and BY-106 The Brain - Highs and Lows (3 cr.) are not available to BY majors.*

[2] *Please consult with your advisor regarding the required number of free electives that must be completed.*

[3] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(*http://catalog.monmouth.edu/undergraduate-catalog/academic-programs-support-services-regulations/general-education-requirements/*) courses must be completed.*

Notes

- 54 credits must be completed at the 200 level or higher.

Sequence Chart

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
BY-110 Introduction to Cell and Molecular Biology or 109	4	BY-109 Introduction to Ecology and Evolution or 110	4
BY-119 Introductory Biology Major Seminar	1	CE-112 & 112L	4
CE-111 General Chemistry I	3	FO-xxx Gen*Ed World Language	3
CE-111L General Chemistry I Laboratory	1	Gen*Ed Social Historical Perspectives (HS.SV)	3
MA-115 Pre-Calculus Modeling for the Biological Sciences or 116	3		
Semester Credits	**15**	**Semester Credits**	**17**

Second Year

Fall	Credits	Spring	Credits
BY-216 Introduction to Genetics (Gen*Ed Technological Literacy (TL))	4	CE-242 Organic Chemistry II	3
BY-xxx Biology Elective (Molecular Cell, Systems)	4	CE-242L Organic Chemistry II Laboratory	1
CE-241 & 241L	4	MA-151 Statistics with Applications	3
Gen*Ed Aesthetics (AT) AR,DA,MU,TH	3	BY-xxx Biology Elective (Evolution)	3
		BY-xxx Biology Elective	3
		Gen*Ed Literature (LIT)	3
Semester Credits	**15**	**Semester Credits**	**16**

Third Year

Fall	Credits	Spring	Credits
BY-310 Biochemistry and Lab	4	PH-106 & 106L	4
PH-105 & 105L	4	BY-370 Cell Biology	3
Gen*Ed Cultural Diversity (CD) or Global Understanding (GU)	3	BY-375L Laboratory in Molecular and Cellular Biology (Gen*Ed Reasoned Oral Discourse (RD) and Writing Intensive (WT))	3
Free Elective	3	Free Elective	3
Semester Credits	**14**	**Semester Credits**	**13**

Fourth Year

Fall	Credits	Spring	Credits
BY-xxx Biology Electives	6	BY-410 Molecular Biology	3
PR-4xx Gen*Ed Interdisciplinary Perspectives (ISP)	3	BY-495 Senior Seminar	1
Gen*Ed Historical Perspectives (HS.SV) or Social Science Survey (SS.SV)	3	BY-xxx Biology Elective	3
Free Elective	3	Gen*Ed Social Science Survey (SS.SV)	3
		Free Electives	5
Semester Credits	**15**	**Semester Credits**	**15**

Total Credits 120

B.S. in Marine and Environmental Biology and Policy (BY.MEBP.BS)

Code	Title	Credits
Major Requirements/Biology - MEBP (39 credits) [1]		
BY-119	Introductory Biology Major Seminar	1
BY-109	Introduction to Ecology and Evolution	4
(Satisfies Natural Sciences in General Education)		
BY-110	Introduction to Cell and Molecular Biology	4
BY-205	Zoology	3
BY-214	Botany	3
BY-216	Introduction to Genetics	4
(Satisfies Technological Literacy (TL) in General Education)		
BY-220	Environmental Biology and Policy	3
BY-341	Marine Biology	4

BY-342	Coastal Zone Management (Satisfies Writing Intensive (WT) requirement)	3
BY-395	Seminar in Marine and Environmental Biology	3
(Satisfies Reasoned Oral Discourse (RD) in General Educaiton)		
BY-440	Ecology (Satisfies Writing Intensive (WT) requirement)	4
BY-442	Natural Resource Conservation and Management (Satisfies Writing Intensive (WT) requirement)	3
MEBP Electives (16 credits)		
Select 16 credits from courses designated with Course Type: MEBP. Nine (9) credits of these electives must be Biology (BY) courses and nine (9) credits must be at the 300+ level or highter.		16
BY-206	Introduction to Oceanography	
BY-209	Environment and Human Health	
BY-221	Introduction to Global Sustainability	
BY-223	General Microbiology	
BY-264	Environmental Field Methods	
BY-290	Open Water Scuba Certification Course	
BY-317	Tropical Island Ecology	
BY-322	Ichthyology	
BY-324	Applied Microbiology	
BY-327	Design and Analysis of Biological Experiments	
BY-420	Applied Field Biology	
BY-424	Evolution	
BY 299/BY 399/BY 499 Independent Study		
CE-220	Environmental Chemistry	
CE-220L	Environmental Chemistry Laboratory	
CE-242	Organic Chemistry II	
CE-242L	Organic Chemistry II Laboratory	
AN-278	Maritime History/Underwater Archaeology	
GIS-224	Introduction to Geographic Information Systems (GIS)	
GIS-336	Marine Applications of Geographic Information Systems	
GIS-337	Fundamentals of Remote Sensing	
GO-332	Climate Change Adaptation and Policy	
PS-330	Environmental Policy	
Interdisciplinary Requirements (26 credits)		
Select 3 credits from the following:		3
(MA-115 or MA-116 or MA-125 satisfies Mathematics in General Education)		
MA-115	Pre-Calculus Modeling for the Biological Sciences	
MA-116	Calculus for the Biological Sciences	
MA-125	Calculus with Analytic Geometry I	
MA-151	Statistics with Applications	3
CE-111	General Chemistry I	3
CE-111L	General Chemistry I Laboratory	1
CE-112	General Chemistry II	3
CE-112L	General Chemistry II Laboratory	1
CE-241	Organic Chemistry I [2]	3
CE-241L	Organic Chemistry I Laboratory	1
PH-105	Physics for the Life Sciences I	3
PH-105L	Physics for the Life Sciences I Laboratory	1
PH-106	Physics for the Life Sciences II	3
PH-106L	Physics for the Life Sciences II Laboratory	1
Free Electives (9 credits) [3]		
Complete up to 9 credits of free electives [3]		9
General Education Requirements (30 credits) [4]		
Complete 30 credits as outlined on the General Education table. [4]		30
Total Credits		**120**

1 *BY-102 Applications in Biotechnology (3 cr.), BY-104 Human Biology (3 cr.), BY-105 Introductory Biology and Human Development (3 cr.), and BY-106 The Brain - Highs and Lows (3 cr.) are not available to BY majors.*

2 *A second semester of Organic Chemistry (*CE-242 Organic Chemistry II (3 cr.)*) may be required for certain graduate programs in marine or environmental science.*

3 *Please consult with your advisor regarding the required number of free electives that must be completed.*

4 *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(p. 44) courses must be completed.*

Notes

- 54 credits must be completed at the 200 level or higher.

Sequence Chart

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	BY-110 Introduction to Cell and Molecular Biology or 109	4
BY-119 Introductory Biology Major Seminar	1	EN-102 College Composition II	3
BY-109 Introduction to Ecology and Evolution or 110	4	CE-112 & 112L (Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL)	4
CE-111 & 111L (Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL)	4	FO-xxx World Language	3
MA-115 Pre-Calculus Modeling for the Biological Sciences or 116 (Gen*Ed Mathematics)	3	Gen*Ed Social Science Survey (SS.SV)	3
Semester Credits	**15**	**Semester Credits**	**17**

Second Year

Fall	Credits	Spring	Credits
BY-216 Introduction to Genetics	4	BY-205 Zoology	3
BY-220 Environmental Biology and Policy	3	BY-214 Botany	3
CE-241 & 241L	4	MA-151 Statistics with Applications	3
Gen*Ed Aesthetics (AT) AR,DA,MU,TH	3	MEBP Elective	3
		Gen*Ed Literature (LIT)	3
Semester Credits	**14**	**Semester Credits**	**15**

Third Year			
Fall	**Credits**	**Spring**	**Credits**
BY-341 Marine Biology	4	BY-342 Coastal Zone Management	3
PH-105 & 105L	4	BY-395 Seminar in Marine and Environmental Biology	3
MEBP elective (see curriculum chart)	3	PH-106 & 106L	4
Gen*Ed Cultural Diversity (CD) or Global Understanding (GU)	3	MEBP Elective (see curriculum chart)	3
		Free Elective	3
Semester Credits	**14**	**Semester Credits**	**16**
Fourth Year			
Fall	**Credits**	**Spring**	**Credits**
BY-440 Ecology	4	BY-442 Natural Resource Conservation and Management	3
MEBP Elective (see curriculum chart)	4	Gen*Ed History Survey (HS.SV)	3
PR-4xx Interdisciplinary Perspectives (ISP)	3	MEBP Elective (see curriculum chart)	3
Gen*Ed Historical Perspectives (HS.SV) or Social Science Survey (SS.SV)	3	Free Elective	3
Free Elective	3		
Semester Credits	**17**	**Semester Credits**	**12**
Total Credits 120			

Minor in Biology (MIN.BY)

Code	Title	Credits
BY-109	Introduction to Ecology and Evolution	4
BY-110	Introduction to Cell and Molecular Biology	4
BY-216	Introduction to Genetics	4
Select 6 credits from Biology (BY) at the 200+ level		6
Select 3 credits from Biology (BY) at the 300+ level		3
Total Credits		**21**

Note

- Not available to students majoring in Biology (BY) or Marine & Environmental Biology Policy (MEBP)

Minor in Environmental Biology (MIN.ENBY)

Code	Title	Credits
Requirements (11 credits)		
BY-109	Introduction to Ecology and Evolution	4
BY-220	Environmental Biology and Policy	3
BY-440	Ecology	4
Electives (9 credits)		
Select 9 Credits from the Following:		9
BY-205	Zoology	
BY-206	Introduction to Oceanography	
BY-214	Botany	
BY-216	Introduction to Genetics	
BY-223	General Microbiology	
BY-341	Marine Biology	
BY-342	Coastal Zone Management	
BY-442	Natural Resource Conservation and Management	
Total Credits		**20**

Note

- Not available to students majoring in Biology (BY) or Marine & Environmental Biology Policy (MEBP)

Minor in Global Sustainability (MIN.SUS)

Code	Title	Credits
BY-221/ PS-223	Introduction to Global Sustainability	3
PS/SO-274	Global Inequalities	3
Select four of the following:		12
AN/GO-267	Tourism Around the World	
AN/GO-268	Urbanization	
AN/GO-275	Global Environmental Problems	
BY-220	Environmental Biology and Policy	
HE-340	Environmental Health Issues	
HE-375	Health in Developing Countries: A Cross-Cultural Perspective	
PO/PS-330	Environmental Policy	
PR-459	The Science and Politics of Climate Change	
SC-130	Climate Science for 21st Century Citizens	
SW-205	Global Human Rights and Social Justice	
GO/PS-332	Climate Change Adaptation and Policy	
Total Credits		**18**

Chemistry and Physics

Chair: Tsanangurayi Tongesayi, Department of Chemistry and Physics

Our curricula provide foundations in the traditional chemistry sub-disciplines. The programs serve as excellent preparation for further professional study in chemistry and related sciences, health professions such as medicine, dentistry, pharmacy, and physical therapy. Careers in academia, the chemical and pharmaceutical industries, environmental protection, forensics, government, industrial hygiene, information science, patent law, science writing, toxicology, and education are open to those whose initial field of study is chemistry.

The Bachelor of Science in Chemistry (CE.BS) provides a core curriculum of chemistry while allowing sufficient flexibility to combine it with a second major, a minor, or elective biology courses for pre-medical studies, within the total number of credits required for graduation. Completion of the Chemistry and Education curriculum qualifies graduates to apply for Secondary Education endorsement as a chemistry teacher. Completion of two additional courses provides eligibility for physical science certification, which is required for teaching chemistry or physics at the high school level.

The Bachelor of Science in Chemistry with a concentration in Advanced Chemistry (CE.ACS.BS) provides a strong foundation in all five of the chemistry sub-disciplines. Students planning to pursue graduate study in

chemistry should follow this program, which leads to a degree certified by the American Chemical Society.

The Bachelor of Science in Chemistry with a track in Biochemistry (CE.BIO.BS) includes an introduction to the traditional subject areas of biology as well as specific biochemistry courses. This program is appropriate for students planning to seek employment or pursue graduate study in chemistry/biochemistry, or attend medical or other health professional schooling. The Industry track (CE.IND.BS) is designed for students who are interested in direct entry into the workforce. Such students can still pursue graduate studies in chemistry or health-related professional schooling. American Chemical Society certification may be achieved in these two tracks by appropriate choice of electives.

The Chemistry faculty are engaged in research in many interesting areas. Providing opportunities for student participation in these efforts is an important priority for the department.

Departmental Honors can be earned in Chemistry if the following criteria are met*:

- An overall GPA of 3.5 or higher;
- A major GPA of 3.7 or higher;
- At least three credits of research;
- Completion of all five foundation courses in the five major areas of chemistry;
- Completion of *at least three in-depth courses* from the five major areas of chemistry;
- Public presentation of research.

**Please speak to a department advisor for more details.*

Programs

Majors

- B.S. in Chemistry (p. 247)
- B.S. in Chemistry and Education with Endorsement in Secondary Education in Chemistry (p. 248)
- B.S. in Chemistry and Education with Endorsement in Secondary Education in Physical Science (p. 250)
- B.S. in Chemistry with a Concentration in Advanced Chemistry (ACS Approved) (p. 251)

Minor

- Chemistry (p. 252)

Faculty

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Courses

CE-101 Chemistry in Our Lives **Credits: 3**
Term Offered: All Terms
Course Type(s): NS
Major concepts and methodologies in chemistry and their relation to specific, important issues in today's society.

CE-109 Introduction to General, Organic, and Biochemistry **Credits: 4**
Prerequisite(s): Score of 3 or higher on the Mathematics Placement Exam, or MA-105 passed with a grade of C- or higher.
Course Type(s): None
Structure of matter, the mole concept, chemical bonds and reactions, acids and bases, structure and reactions of organic compounds, chemistry and metabolism of amino acids, carbohydrates, lipids, proteins, and nucleic acids. Three hours of class, three hours of lab per week. Students must have had High School Chemistry to take this course.

CE-111 General Chemistry I **Credits: 3**
Prerequisite(s): Score of 2 or higher on the Mathematics Placement Exam or MA-050 passed with a grade of C- or higher
Co-requisite(s): CE-111L
Term Offered: All Terms
Course Type(s): NS
The first of two lecture courses which, taken together, provide a preparation for subsequent courses in chemistry. Principles and theories of chemical problem solving, stoichiometry and chemical reactions, states of matter, periodic properties of the elements, atomic and molecular structure, introductory quantum mechanics, thermochemistry, and the properties of gases are covered.

CE-111L General Chemistry I Laboratory **Credits: 1**
Co-requisite(s): CE-111
Term Offered: All Terms
Course Type(s): None
Laboratory work to complement the class work of CE-111 and CE-112; review of mathematical fundamentals; experiments involving observation and interpretation of chemical and physical changes; experimental studies of gas laws, thermodynamics, kinetics, equilibrium, acids and bases, qualitative analysis, and molecular mass determination. Three hours per week.

CE-111R General Chemistry I Recitation **Credits: 1**
Co-requisite(s): CE-111 and CE-111L
Term Offered: All Terms
Course Type(s): None
Gen Chem 1 Recitation supports General Chemistry 1 students with active learning activities such as group problem solving and peer-led team learning that focus on the key or most challenging aspects of the General Chemistry 1 course. Assessment activities, including quizzes, are included in Gen Chem 1 Recitation. Gen Chem 1 is a Pass/Fail corequisite for CE 111 - General Chemistry 1. Corequisite: CE-111 and CE-111L

CE-112 General Chemistry II **Credits: 3**
Prerequisite(s): CE-111 passed with a grade of C- or higher, CE-111L passed with a grade of C- or higher, and either MA-101 passed with a grade of C- or higher or a score of 3 or higher on the Mathematics Placement Exam.
Co-requisite(s): CE-112L
Term Offered: All Terms
Course Type(s): NS
The second of two lecture courses which, taken together, provide preparation for subsequent courses in chemistry. Properties of liquids and solutions, chemical kinetics and equilibrium, thermodynamics, electrochemistry and nuclear chemistry.

CE-112L General Chemistry II Laboratory **Credits: 1**
Co-requisite(s): CE-112
Course Type(s): None
Laboratory work to complement the class work of CE-111 and CE-112; review of mathematical fundamentals; experiments involving observation and interpretation of chemical and physical changes; experimental studies of gas laws, thermodynamics, kinetics, equilibrium, acids and bases, qualitative analysis, and molecular mass determination. Three hours per week.

CE-112R General Chemistry II Recitation **Credits: 1**
Prerequisite(s): CE-111 and CE-111L both passed with a grade of C- or higher; CE-111R.
Co-requisite(s): CE-112 and CE-112L
Term Offered: All Terms
Course Type(s): None
Chem 2 Recitation supports General Chemistry 2 students with active learning activities such as group problem solving and peer-led team learning that focus on the key or most challenging aspects of the General Chemistry 1 course. Assessment activities, including quizzes, are included in Gen Chem 2 Recitation. Gen Chem 2 Recitation is a Pass/Fail corequisite for CE-112.

CE-198 Special Topics in Chemistry (100 Level) **Credits: 1-3**
Course Type(s): None
An intensive study of a particular subject or problem in chemistry to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

CE-220 Environmental Chemistry **Credits: 3**
Prerequisite(s): CE-112 and CE-112L, both passed with a grade of C- or higher
Co-requisite(s): CE-220L
Course Type(s): MEBP
Soil, aquatic, and atmospheric chemistry; environmental analytical chemistry; connections to environmental biology. Sources, reactions, mobility, effects, and fates of chemical species in the soil, water and air environments and the effect of human activity on these. Gives the theoretical principles and techniques of both classical and instrumental methods of chemical analysis.

CE-220L Environmental Chemistry Laboratory **Credits: 1**
Co-requisite(s): CE-220
Course Type(s): MEBP
Soil, aquatic and atmospheric chemistry; environmental analytical chemistry; connections to environmental biology. Sources, reactions, mobility, effects and fates of chemical species in the soil, water and air environments and the effect of human activity on these. Laboratory experiments and field trips will be used to address the needs for this course. Students will gain hands-on experience in both classical and instrumental methods of chemical analysis.

CE-221 Analytical Chemistry I Quantitative Analysis **Credits: 3**
Prerequisite(s): CE-112 and CE-112L both passed with a grade of C- or higher
Co-requisite(s): CE-221L
Term Offered: Spring Term
Course Type(s): None
Theoretical principles and techniques of volumetric, gravimetric, and potentiometric methods of analysis; treatment of analytical data, equilibria involving acid-base, redox, complexometric, and precipitation reactions.

CE-221L Analytical Chemistry I Laboratory Quantitative Analysis Credits: 1
Co-requisite(s): CE-221
Term Offered: Spring Term
Course Type(s): None
Laboratory techniques, procedures, and practice in quantitative analysis of selected substances by volumetric, gravimetric, and potentiometric methods.

CE-241 Organic Chemistry I Credits: 3
Prerequisite(s): CE-112 and CE-112L both passed with a grade of C- or higher
Co-requisite(s): CE-241L
Term Offered: All Terms
Course Type(s): None
Preparations and reactions of major classes of organic compounds with extensive discussion of reaction mechanisms and stereo-chemistry; interpretation of mass, infrared, and nuclear magnetic resonance spectra.

CE-241L Organic Chemistry I Laboratory Credits: 1
Prerequisite(s): CE-112 and CE-112L.
Co-requisite(s): CE-241
Term Offered: All Terms
Course Type(s): None
Laboratory work demonstrating the basic techniques of organic chemistry; qualitative organic analysis; and use of the gas chromatograph and infrared and nuclear magnetic resonance spectrometers to solve problems. Three hours per week.

CE-242 Organic Chemistry II Credits: 3
Prerequisite(s): CE-241 and CE-241L, both passed with a grade of C- or higher.
Co-requisite(s): CE-242L.
Term Offered: All Terms
Course Type(s): MEBP
Preparations and reactions of major classes of organic compounds with extensive discussion of reaction mechanisms and stereo-chemistry; interpretation of mass, infrared, and nuclear magnetic resonance spectra.

CE-242L Organic Chemistry II Laboratory Credits: 1
Prerequisite(s): CE-241 and CE-241L, both passed with a grade of C- or higher.
Co-requisite(s): CE-242.
Course Type(s): None
Laboratory work demonstrating the basic techniques of organic chemistry; qualitative organic analysis; and use of the gas chromatograph and infrared and nuclear magnetic resonance spectrometers to solve problems. Three hours per week.

CE-298 Special Topics in Chemistry (200 Level) Credits: 1-3
Prerequisite(s): CE-111, CE-111L, CE-112, CE-112L and others as announced in the course schedule
Course Type(s): None
An intensive study of a particular subject or problem in chemistry to be announced prior to registration. May be conducted in a lecture, seminar or laboratory format.

CE-299 Independent Study in Chemistry Credits: 1-3
Term Offered: Spring Term
Course Type(s): None
Original research work planned and carried out with the assistance of a faculty research advisor. The number of course credits will be arranged with the advisor. Three hours per credit. Prior permission of the directing professor and department chair is required to take this course.

CE-314 Chemical Literature and Seminar Credits: 3
Prerequisite(s): CE-241
Term Offered: All Terms
Course Type(s): RD
The course focuses on the professional development of chemistry majors including: the chemical literature and how to use it, presentation skills for chemists, laboratory safety, professional ethics, and intellectual property.
Prerequisite: CE-241

CE-322 Analytical Chemistry II Credits: 3
Prerequisite(s): CE-221, CE-221L, MA-116, PH-212, and PH-212L, all passed with a grade of C- or higher, or permission of the instructor.
Term Offered: Fall Term
Course Type(s): None
Basic components of instruments and their arrangements; fundamental principles, applications, and limitations of instrumental methods of chemical analysis; spectroscopic methods (UV-Visible, Fourier transform infrared, Raman, Fluorescence, Phosphorescence, Atomic absorption, Atomic emission, and Mass spectrometry); electrochemical methods (Potentiometry and Voltammetry); separation methods (High Performance liquid chromatography, Gas chromatography, and Capillary Electrophoresis).

CE-322L Analytical Chemistry II Laboratory Credits: 2
Co-requisite(s): CE-322
Term Offered: Fall Term
Course Type(s): WT
Basic components of instruments and their arrangements; fundamental principles, applications and limitations of instrumental methods of chemical analysis; spectroscopic methods (UV-Visible, Fourier transform infrared, Fluorescence, Atomic absorption and Atomic emission); electrochemical methods (Potentiometry and Voltammetry); separation methods (High Performance liquid chromatography, Gas chromatography - Mass spectrometry). Laboratory experiments and an independent research project will be used to address the needs of this course. Students will gain hands-on experience in instrumental methods of chemical analysis for both qualitative and quantitative work.

CE-325 NMR Spectroscopy Credits: 3
Prerequisite(s): CE-242L
Term Offered: Fall Term
Course Type(s): None
A treatment of the theories and applications of modern Fourier transform nuclear magnetic resonance (FT-NMR) spectroscopy. Applications of FT-NMR spectroscopy to the investigation and solution of chemical problems will be emphasized.

CE-333 Biochemistry Credits: 3
Prerequisite(s): CE-242
Co-requisite(s): CE-333L
Term Offered: Fall Term
Course Type(s): None
Biochemistry is a field about chemistry in living organisms. Biochemistry CE-333 is a 1-semester complete biochemistry course. This water-based chemistry will initially explore monomers (amino acids, monosacharides and nucleotides) followed by their polymers (protein, polysaccharides and nucleic acids) with a focus on the relationship between their structure and function. Moreover, structures and properties of fatty acids to phospholipids and membranes will be studied. The properties of these molecules and how they all interact together will be further studies through the concepts of enzymology and metabolism. Being multidisciplinary, this course should be taken by chemistry majors, as well as students aiming at graduate school or medical professional fields.
Prerequisite: CE-242 Corequisite: CE-333L

CE-333L Biochemistry Laboratory **Credits: 1**
Term Offered: Fall Term
Course Type(s): WT
CE-333L will provide training in modern biochemical techniques, using proteins, nucleic acids, carbohydrates and lipids. This laboratory will provide students with hands-on experience in basic and modern techniques commonly used in biochemistry, that will be required in the pursuit of their academic and career objectives. Prerequisites: EN-101 and EN-102 Corequisite: CE-333

CE-350 Research in Chemistry **Credits: 1-4**
Term Offered: All Terms
Course Type(s): EX5
Original research work, carried out under the mentorship of a faculty research advisor. Research conducted by the students may be submitted for presentation, publication, or review, as appropriate. The number of course credits will be determined by arrangement with the advisor. Three hours/week per credit, 1-3 credits. Prerequisites: Determined by faculty mentor.

CE-360 Biophysical Chemistry **Credits: 3**
Prerequisite(s): CE-242
Term Offered: All Terms
Course Type(s): None
Principles and applications of physical chemistry including thermodynamics, kinetics and spectroscopy to study the structure and function of biological macromolecules. Prerequisite: CE-242

CE-360L Biophysical Chemistry Laboratory **Credits: 1**
Prerequisite(s): CE-242
Term Offered: All Terms
Course Type(s): None
The Lab course is designed to give hands-on experience with contemporary experimental instrumentation and techniques that are widely used in the biophysical characterization of biological macromolecules. Students will also work on individual projects designed to provide a real-life academic/industrial research experience and will submit a clear and concise report and presentation based on the experimental results. Prerequisite: CE-242 Corequisite: CE-360

CE-374 Industrial Chemistry **Credits: 3**
Prerequisite(s): CE-242
Term Offered: Fall Term
Course Type(s): None
A treatment of some reaction chemistry, chemical processes, thermodynamics, chemical equilibria, and kinetics that are important to the chemical industry. Fundamental principles and problems of the chemical industry will also be discussed.

CE-381 Physical Chemistry I **Credits: 3**
Prerequisite(s): MA-116, PH-212, both passed with a grade of C- or higher.
Co-requisite(s): CE-381L.
Term Offered: Fall Term
Course Type(s): None
Basic principles of quantum mechanics essential for understanding of atomic and molecular spectroscopy are covered. The specific topics included: Quantum Mechanics: postulates and formulation of Schrodinger equation, uncertainty principle, particle in a box, simple harmonic oscillator, rigid rotor, Hydrogen atom, hydrogenic wave functions, Pauli principle, Helium atom, Hydrogen molecule, Molecular Orbital Theory; Introduction and applications of Computational Chemistry; Spectroscopy; Light-matter interaction, term symbols, spectroscopic selection rules, electronic spectra of atoms and molecules, rotational and vibrational spectra, IR and Raman spectroscopy, Lasers.

CE-381L Physical Chemistry I Laboratory **Credits: 1**
Prerequisite(s): EN-101 and EN-102 or permission of the instructor.
Co-requisite(s): CE-381.
Term Offered: Fall Term
Course Type(s): WT
This course is designed to be taken concurrently with CE-381, Physical Chemistry I. The experiments performed complement material studied in CE-381. Topics covered include: UV-Vis, FT-IR, Raman, Laser Induced Fluorescence, and Flash Photolysis spectroscopies. This laboratory also requires the use of modern computer platforms and quantum chemistry software for molecular simulations and data analysis.

CE-382 Physical Chemistry II **Credits: 3**
Prerequisite(s): MA-116, PH-212 and CE-381, all passed with a grade of C- or higher
Co-requisite(s): CE-382L
Term Offered: All Terms
Course Type(s): None
Amplification of concepts in thermodynamics, chemical kinetics and dynamics and application of these to gases, liquids, and solutions to provide a solid background for understanding the physical principles that govern behavior of chemical and biological systems. The specific topics included: Thermodynamics: standard functions (enthalpy, entropy, etc.), ensembles, partition function. Gibbs chemical potential, phase equilibria, electrochemical cells; Kinetic Theory of Gases: Maxwell-Boltzmann distribution, collision frequency; effusion rate, heat capacity, transport processes (diffusion, viscosity, etc.); Chemical Kinetics: differential and integral expressions for rate laws, reaction mechanisms, Chemical Dynamics: collision theory, absolute rate theory, transition state theory. Corequisite: CE-382L

CE-382L Physical Chemistry II Laboratory **Credits: 1**
Prerequisite(s): EN-101 and EN-102 or permission of the instructor.
Co-requisite(s): CE-382.
Term Offered: Spring Term
Course Type(s): WT
This course is designed to be taken concurrently with CE-382, Physical Chemistry I. The experiments performed complement material studied in CE-382. Topics covered include experimental investigation of gas laws, phase transitions, transport properties of gases (diffusion), electrochemistry (electrolysis, electroplating, and voltammetry) and chemical kinetics (fluorescence quenching). This laboratory also requires the use of modern computer platforms and quantum chemistry software for simulations of chemical kinetics, dynamics and data analysis.

CE-388 Cooperative Education: Chemistry **Credits: 1-3**
Prerequisite(s): CE-221, CE-221L, CE-242, and CE-242L; an overall G.P.A. of 2.00; fifteen credits completed at Monmouth University, and approval of the Department of Chemistry
Term Offered: Spring Term
Course Type(s): EX2
Application of chemical concepts and skills learned in lecture and laboratory to work-related experiences. Students and faculty sponsors maintain journals of their cooperative education opportunities with the assistance of the Director of Cooperative Education. Students will work forty hours per credit per semester at their jobs. Students will maintain journals of their cooperative education experiences and write reports demonstrating how their experiences helped them achieve their learning goals. This is a pass/fail course. Departmental approval is required to take this course.

CE-389 Internship in Chemistry **Credits: 1-3**
Prerequisite(s): CE-221, CE-221L, CE-242, CE-242L, an overall GPA of 2.00, fifteen credits completed at Monmouth University, and approval by the Department of Chemistry
Term Offered: All Terms
Course Type(s): EX1
Provides an opportunity to apply chemical concepts and skills learned in lecture and laboratory to work-related experiences. Students and faculty sponsors will identify internship opportunities. Students will work forty hours per credit per semester in their internship positions. Students will maintain journals of their internship experiences and write reports demonstrating how their internship experiences helped them achieve the learning objectives identified at the start of the internships. This is a pass/fail course.

CE-398 Special Topics in Chemistry (300 Level) **Credits: 1-3**
Prerequisite(s): CE-241, CE-241L, CE-242, CE-242L, or as announced in the course schedule
Term Offered: Spring Term
Course Type(s): None
An intensive study of a particular subject or problem in chemistry to be announced prior to registration. May be conducted in a lecture, seminar, or laboratory format.

CE-398L Special Topics in Chemistry **Credits: 3**
Course Type(s): None
An intensive study of a particular subject or problem in chemistry to be announced prior to registration. Conducted in a laboratory format.

CE-399 Independent Study in Chemistry (300 Level) **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
Original research work planned and carried out with the assistance of a faculty research advisor. The number of credits will be arranged with the advisor. Prior permission of the directing professor and department chair is required to take this course.

CE-401 Advanced Inorganic Chemistry **Credits: 3**
Prerequisite(s): CE-242 and CE-242L both passed with a grade of C- or higher
Term Offered: All Terms
Course Type(s): None
Modern theories of inorganic chemistry, including advanced considerations of atomic and molecular structure, chemical bonding, complex ions, solid state chemistry, magnetic properties of ions, periodicity, and contemporary problems.

CE-401L Advanced Inorganic Chemistry Laboratory **Credits: 1**
Co-requisite(s): CE-401
Term Offered: All Terms
Course Type(s): None
Inorganic synthetic techniques, including inert atmosphere, high temperature, and non-aqueous solvents; methods of characterization of inorganic compounds, including use of spectroscopic and other instrumental methods. Three hours per week.

CE-405 Methods of Inorganic Chemistry **Credits: 3**
Prerequisite(s): CE-401
Term Offered: Spring Term
Course Type(s): None
Coverage of important experimental methods in inorganic structural determinations. Topics include symmetry and group theory, computational methods, mass spectrometry, diffraction analysis and nuclear magnetic resonance, electron paramagnetic resonance, rotational, Mossbauer, vibrational, electronic absorption, photoelectron spectroscopies. The application of these techniques to the characterization and determination of inorganic substances is the emphasis of the course.

CE-432 Advanced Analytical Chemistry **Credits: 3**
Prerequisite(s): CE-322 passed with a grade of C- or higher.
Term Offered: All Terms
Course Type(s): None
This course examines modern analytical techniques with special emphasis on gas chromatography (GC), liquid chromatography (LC) and capillary electrophoresis (CE) in terms of basic principles, instrumentation, method development and practical applications. Mass spectrometry (MS) and ion mobility spectrometry (IMS) are also extensively explored as detection techniques for GC (GC-MS and GC-IMS), LC (LC-MS), and CE (CE-MS). Multidimensional separations (LC x LC & GC x GC) and their practical applications are also examined. A combination of traditional lecture notes, textbook readings and published peer-reviewed scientific literature will be used to explore and discuss topics. The course also involves case studies on analytical method development, data interpretation and applications of analytical techniques covered as well as visits to or tours of facilities with sophisticated analytical instrumentation relevant to the course.

CE-452 Advanced Organic Chemistry **Credits: 3**
Prerequisite(s): CE-242 and CE-242L both passed with a grade of C- or higher
Term Offered: Spring Term
Course Type(s): None
Selected topics of modern, theoretical, organic chemistry.

CE-454 Advanced Biochemistry **Credits: 3**
Prerequisite(s): CE-333
Term Offered: Spring Term
Course Type(s): None
Advanced Biochemistry provides a deeper focus on the biochemistry of several diseases as well as medical biochemistry while building upon the concepts learned in the prerequisite biochemistry course (CE-333). Using current publications to support content, topics such as gene therapy, various blood test works will be discussed. Topics of the biochemistry of Cancer, AIDS and Aging will also be covered.

CE-460 Electrochemical Methods **Credits: 3**
Co-requisite(s): CE-341
Term Offered: Spring Term
Course Type(s): None
Theory and applications of electrochemical analysis: electrode processes, thermodynamics and kinetics of electrode reactions, controlled potential and controlled current microelectrode techniques, and bulk electrolysis.

CE-475 Computational Chemistry and Molecular Modeling Credits: 3
Prerequisite(s): CE-341 and CE-341L both passed with a grade of C- or higher
Term Offered: Spring Term
Course Type(s): None
Principal methods and techniques used to study organic molecules and biomolecules by computational methods. Interpretation of chemical data with the aid of a computer. Atomic and molecular orbitals, force fields, molecular dynamics, and molecular modeling and drug design.

CE-484 Methods Development and Statistical Process Control Credits: 4
Prerequisite(s): CE-432 and MA-151 both passed with a grade of C- or higher.
Term Offered: All Terms
Course Type(s): None
Concentrates on methods development in the analytical laboratory with applications in phamaceutical, food product, cosmetics, and environmental testing. This course focuses on methods development and optimization to satisfy regulatory and customer requirements, validating analytical methods, application of newer analytical methods, and those involved in quality control, quality assurance, and quality assessment. Discusses regulatory framework and requirements including FDA, WHO, and ICH examples. Focus includes development and use of statistical process control as tools to improve quality and productivity.

CE-486 Medicinal Chemistry Credits: 3
Prerequisite(s): CE-241 and CE-242
Term Offered: Spring Term
Course Type(s): None
A Medicinal Chemistry course in which you will learn about the application of chemistry to the discovery, design and synthesis of new drugs. Medicinal chemistry is an interdisciplinary science. Its successful application to new drug discovery and development involves knowledge of organic chemistry, biology, physiology, microbiology, biochemistry, pharmacology and medicine among others. Topics that will be covered in this course include: structure and function of biological targets (proteins, enzymes, receptors and DNA/RNA); sources of new drugs from nature or synthesis; methods used to identify relevant structural features for biological activity; fate of a drug in the body and interaction with its biological target (pharmacokinetics and pharmacodynamics); strategies for drug design and case studies.

CE-489 Internship in Chemistry Credits: 1-3
Prerequisite(s): CE-221, CE-221L, CE-242, CE-242L, an overall GPA of 2.00, fifteen credits completed at Monmouth University, and approval by the Department of Chemistry
Term Offered: Spring Term
Course Type(s): EX1
Provides an opportunity to apply chemical concepts and skills learned in lecture and laboratory to work-related experiences. Students and faculty sponsors will identify internship opportunities. Students will work forty hours per credit per semester in their internship positions. Students will maintain journals of their internship experiences and write reports demonstrating how their internship experiences helped them achieve the learning objectives identified at the start of the internships. This is a pass/fail course.

CE-498 Special Topics in Chemistry (400 Level) Credits: 1-3
Prerequisite(s): CE-242 or as announced in the course schedule
Term Offered: Spring Term
Course Type(s): None
An intensive study of a particular subject or problem in chemistry to be announced prior to registration. May be conducted in a lecture, seminar, or laboratory format.

CE-499 Independent Study in Chemistry Credits: 1-3
Term Offered: All Terms
Course Type(s): None
Original research work planned and carried out with the assistance of a faculty research advisor. The number of course credits will be arranged with the advisor. Three hours per credit. Prior permission of the directing professor and department chair is required to take this course.

CE-499T Independent Study in Chemistry Credits: 3
Term Offered: All Terms
Course Type(s): None
Original research work planned and carried out with the assistance of a faculty research advisor. Prior permission of the directing professor and department chair is required to take this course.

ML-411 Clinical Internship in Medical Laboratory Science I Credits: 16
Term Offered: All Terms
Course Type(s): EX1, WT
First half of an intensive one-year clinical internship and training at an approved, partner medical institution in the requisite skills for a career in medical laboratory science. Practical experience in tests and procedures of hematology, histology, blood bank, clinical microscopy, clinical chemistry, bacteriology, parasitology, mycology, immunology, serology, radioisotopes, and related subjects. Limited to Medical Laboratory Science majors who have completed all other degree requirements.

ML-412 Clinical Internship in Medical Laboratory Science II Credits: 16
Prerequisite(s): ML-411
Term Offered: Spring Term
Course Type(s): EX1
Second half of an intensive one-year clinical internship and training at an approved, partner medical institution in the requisite skills for a career in medical laboratory science. Practical experience in tests and procedures of hematology, histology, blood bank, clinical microscopy, clinical chemistry, bacteriology, parasitology, mycology, immunology, serology, radioisotopes, and related subjects. Limited to Medical Laboratory Science majors who have completed all other requirements.

MM-490 Experience in Clinical Medicine Credits: 9
Term Offered: All Terms
Course Type(s): EX5
Intensive, practical, first-hand experience in clinical medicine at Monmouth Medical Center. A comprehensive introduction to the skills required to practice medicine: excellent communication, critical reading of the literature, epidemiologic methods (disease patterns in populations), and understanding medicine as a human experience. The practicum consists of clinical observations, seminars, community service, discussion groups, and a research paper. This course is under the auspices of the Biology Department. Limited to Monmouth Medical Center Scholars with Junior standing. This is a pass/fail course.

PH-101 Physics in Our Lives Credits: 3
Term Offered: All Terms
Course Type(s): NS
Presents major concepts and methodologies in physics and their importance in today's society. Introduction to principles of physics and their applications to today's technology using lectures and demonstration.

PH-103 The Physics of Sound and Music **Credits: 3**
Term Offered: All Terms
Course Type(s): NS
Presents the topics of sound and music from a physics point of view. Covered topics are harmonic motion, waves (both traveling and standing), the human voice and ear, the production of music and musical scales and the physics of several representative instruments.

PH-105 Physics for the Life Sciences I **Credits: 3**
Prerequisite(s): MA-101 or MA-109 or MA-115 or higher Math courses passed with grade of C- or higher.
Co-requisite(s): PH-105L
Term Offered: All Terms
Course Type(s): NS
An introduction to classical physics intended primarily for students majoring in the life sciences. Topics include: mechanics, dynamics, heat, electricity, magnetism, and optics.

PH-105L Physics for the Life Sciences I Laboratory **Credits: 1**
Co-requisite(s): PH-105
Term Offered: All Terms
Course Type(s): None
Laboratory work to complement PH-105. Experiments in the fields of statics, dynamics, energy, momentum, heat, sound, electricity, magnetism, optics, and spectroscopy. Three hours per week.

PH-106 Physics for the Life Sciences II **Credits: 3**
Prerequisite(s): PH-105 and PH-105L both passed with a grade of C- or higher
Co-requisite(s): PH-106L
Course Type(s): NS
An introduction to classical physics intended primarily for students majoring in the life sciences. Topics include, mechanics, dynamics, heat, electricity, magnetism, and optics.

PH-106L Physics for the Life Sciences II Laboratory **Credits: 1**
Co-requisite(s): PH-106
Course Type(s): None
Laboratory work to complement PH-106. Experiments in the fields of sound, electricity, magnetism, optics, and spectroscopy. Three hours per week.

PH-150 Principles of Astronomy **Credits: 3**
Term Offered: All Terms
Course Type(s): NS
The historical development of astronomy and the modern concepts of the universe, including demonstrations and viewing sessions with optical telescopes.

PH-199 Independent Study in Physics **Credits: 1**
Term Offered: All Terms
Course Type(s): None
Guided study of a selected topic in physics not substantially treated in a regular course, under the direction of a member of the Physics faculty. Prior permission of the directing professor and department chair is required to take this course.

PH-211 General Physics with Calculus I **Credits: 3**
Prerequisite(s): MA-116 or MA-125
Co-requisite(s): PH-211L
Term Offered: Fall Term
Course Type(s): NS
The first of a two-semester sequence of courses that, taken together, provide a thorough introduction to classical physics using calculus. Topics covered include: one- and two-dimensional motion, Newton's laws and their applications, energy, momentum and impulse, rotational mechanics, and thermodynamics.

PH-211L General Physics with Calculus I Laboratory **Credits: 1**
Co-requisite(s): PH-211
Term Offered: Fall Term
Course Type(s): None
Laboratory experiments to complement the topics covered in PH-211. Includes experiments in statics, dynamics, and thermodynamics.

PH-212 General Physics with Calculus II **Credits: 3**
Prerequisite(s): PH-211 and PH-211L passed with a grade of C- or higher.
Co-requisite(s): PH-212L
Term Offered: Spring Term
Course Type(s): NS
The second of a two-semester sequence of courses that, taken together, provide a thorough introduction to classical physics using calculus. Topics covered include: sound and wave mechanics, electrostatics, circuits, magnetic forces and fields, Faraday's Law, reflection and refraction, and optics.

PH-212L General Physics with Calculus II Laboratory **Credits: 1**
Co-requisite(s): PH-212
Term Offered: Spring Term
Course Type(s): None
Laboratory experiments to complement the topics covered in PH-212. Includes experiments in sound, electricity, magnetism, circuits, and optics.

PH-270 Physical Oceanography **Credits: 3**
Prerequisite(s): BY-109, CE-111, CE-111L, CE-112, and CE-112L
Term Offered: Fall Term
Course Type(s): MEBP
Physical Oceanography provides a survey of physical, chemical and geological processes that define and affect the coastal ocean including ocean basins, beach formation and dynamic ocean processes(currents, waves, wind, weather). Environmental considerations include the role of the ocean in the association with global climate change issues, problems associated with coastal development, exploitation of marine resources, and ocean and coastal pollution.

PH-298 Special Topics in Physics (200 Level) **Credits: 1-3**
Term Offered: Spring Term
Course Type(s): None
An intensive study of a particular subject or problem in physics to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

PH-299 Independent Study in Physics **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
Guided study of a selected topic in physics not substantially treated in a regular course, under the direction of a member of the Physics faculty. Prior permission of the directing professor and department chair is required to take this course.

PH-311 Theoretical Physics **Credits: 3**
Prerequisite(s): PH-212 passed with a grade of C- or higher
Term Offered: All Terms
Course Type(s): None
Presents physics topics aimed at the advanced undergraduate level. The subjects range over classical mechanics, electromagnetism, and statistical mechanics, with explicit links made to topics from PH-301. The course is calculus-based, and seeks to round out the physics education of physics minors.

PH-312 Modern Physics **Credits: 3**
Prerequisite(s): PH-311 passed with a grade of C- or higher
Term Offered: Spring Term
Course Type(s): None
Topics from physics of the twentieth century, including special relativity, the origins of quantum theory, quantum mechanics, atomic structure, nuclear physics, and elementary particles.

PH-350 Research in Physics **Credits: 1-3**
Term Offered: All Terms
Course Type(s): EX5
Original research work, carried out under the mentorship of a faculty research advisor. Research conducted by the students may be submitted for presentation, publication, or review, as appropriate. The number of course credits will be determined by arrangement with the advisor. Three hours/week per credit, 1-3 credits.

PH-399 Independent Study in Physics **Credits: 1-3**
Term Offered: Spring Term
Course Type(s): None
Reading and research on a selected topic under the direction of a Physics faculty member. Prior permission of the directing professor and department chair is required to take this course.

PH-499 Independent Study in Physics (400 Level) **Credits: 1-3**
Course Type(s): None
Reading and research on a selected topic under the direction of a Physics faculty member. Three hours per week per credit. Prior permission of the directing professor and department chair is required to take this course.

SC-100 Discovery and Thinking in Natural Sciences **Credits: 3**
Term Offered: All Terms
Course Type(s): NS
The development of major concepts in the biological, chemical, and physical sciences; their importance today.

SC-103 Physical Geography **Credits: 3**
Term Offered: All Terms
Course Type(s): NS
A survey of the Earth sciences from a spatial perspective. We will use maps, diagrams, simulations, and computer mapping software to learn about the systems of the Earth. Students will gain an understanding of physical processes and patterns of the Earth's atmosphere, climate, landforms, and biosphere. Understanding of these systems will be used to examine the ways in which humans influence and adapt to Earth systems. The learning outcomes of this course satisfy a general education requirement for the Natural Sciences. Also listed as GO-103.

SC-110 Nutrition Science **Credits: 3**
Term Offered: All Terms
Course Type(s): NS
An overview of the science of human nutrition, including the basics of protein, carbohydrate, lipid, vitamin, mineral, water, and alcohol metabolism. An analysis of the relationship of diet to various health issues and current controversies in nutrition will be covered. Students will learn the elements of nutritional analysis by evaluating their personal diets. Emphasis will be on the manner in which nutrition knowledge is acquired, including a nutrition study conducted by the students.

SC-120 The Science of Food and Cooking **Credits: 3**
Term Offered: All Terms
Course Type(s): NS
This course covers concepts from chemistry, biology and physics that underpin the principles of food science and the transformations that occur during food preparation and cooking. Students will develop a scientific understanding of food preparation, cooking techniques, and recipes. Cooking demonstrations and experiments will be used to illustrate the scientific concept involved. Note: This course involves the preparation and (optional) consumption of food. If you have specific fool allergies or needs, contact the instructor to discuss any necessary arrangements.

SC-130 Climate Science for 21st Century Citizens **Credits: 3**
Term Offered: All Terms
Course Type(s): SUS, NS
Earth's climate has changed in the past and will change in the future. Climate science and hypotheses about climate change and man's effects on climate figure prominently in the news and popular culture. However, forces and feedbacks impacting climate are poorly understood by the general public. This lack of understanding originates partially because climate science is complicated and interdisciplinary, and partially because addressing climate change requires significant changes in the global energy economy, turning it into a political issue with skewed and un-scientific public discourse. This course aims to cover parts of climate science that are well established, differentiate them clearly from parts of climate science where genuine uncertainty exists and use these contrasts to illustrate the scientific methods, culture of science and science practices of the 21st Century.

SC-140 Forensic Science **Credits: 3**
Term Offered: All Terms
Course Type(s): NS
An introductory course in which scientific principles will be applied to the methods used to investigate and solve crimes. The course will focus on the principles and methods utilized in the traditional sciences of biology, chemistry, and physics. The scientific techniques used to collect and analyze evidence will be covered.

SC-150 Drug Discovery **Credits: 3**
Term Offered: All Terms
Course Type(s): NS
Concepts of biology, chemistry and pharmacology are used to examine aspects of drug discovery from early recorded history to modern treatments for disease. Additionally, students will understand the impacts of key drug discoveries on society/public health. Note: No prior biology/chemistry knowledge is assumed.

SC-160 Science of Energy **Credits: 3**
Term Offered: All Terms
Course Type(s): NS
Energy consumption is a key aspect of society that has been profoundly impacted by abundant low-cost energy. What does the future of energy look like in terms of abundance and cost? This course examines energy sources, energy needs, and the transition from geologically stored energy sources (fossil fuels) to ecologically available energy sources and conservation. It also explores the potential environmental consequences of such transition in the immediate future and long-term.

SC-170 Oceanography **Credits: 3**
Term Offered: All Terms
Course Type(s): NS
Oceanography provides a survey of physical, biological, chemical, and geological resources and the processes that define and affect ocean basins, coasts, beaches, estuaries, offshore waters and marine species. Environmental considerations include the role of oceans in global climate change issues, coastal development, exploitation of marine resources, and marine pollution. Students in the Marine and Environmental Biology and Policy (MEBP) program should take PH-270, Physical Oceanography, for elective credit.

SC-198 Special Topics in Science **Credits: 3**
Term Offered: Spring Term
Course Type(s): NS
Study of a particular subject or problem in science to be announced prior to registration. May be conducted on either a lecture-discussion or seminar basis. Courses would meet General Education requirements in the natural sciences. If a prerequisite is required it will be announced in the course schedule.

SC-233 Climate Science: Understanding our Changing Climate Credits: 3
Prerequisite(s): BY-109 or permission of the instructor
Course Type(s): NS, SUS
Climate Change is arguably the most important problem of the 21st century. Climate Science Understanding Our Changing Climate provides students with a quantitatively rigorous treatment of basic climate science as well as a scientific exploration of impacts caused by human-mediated climate change. This course aims to cover climate science from an explicitly interdisciplinary perspective, because climate science depends on chemistry, physics, biology, mathematics, computer modeling and geology for complete understanding of the climate system and because workable climate solutions are almost always interdisciplinary in nature. Climate modeling and assessment of future climate conditions and risks will be stressed.

B.S. in Chemistry (CE.BS; CE.BIO.BS; CE.IND.BS)

Code	Title	Credits
Major Requirements/Chemistry (37 credits) [1]		
CE-111	General Chemistry I	3
CE-111R	General Chemistry I Recitation	1
CE-111L	General Chemistry I Laboratory	1
CE-112	General Chemistry II	3
CE-112R	General Chemistry II Recitation	1
CE-112L	General Chemistry II Laboratory	1
CE-221	Analytical Chemistry I Quantitative Analysis	3
CE-221L	Analytical Chemistry I Laboratory Quantitative Analysis	1
CE-241	Organic Chemistry I	3
CE-241L	Organic Chemistry I Laboratory	1
CE-242	Organic Chemistry II	3
CE-242L	Organic Chemistry II Laboratory	1
CE-314	Chemical Literature and Seminar	3
(Satisfies Reasoned Oral Discourse (RD) in General Education.		
CE-322	Analytical Chemistry II	3
CE-322L	Analytical Chemistry II Laboratory	2
CE-381	Physical Chemistry I	3
CE-381L	Physical Chemistry I Laboratory	1
(Chemistry courses satisfy Natural Science (NS) in General Education)		
CE-300+ Elective: Select one course from the following list.		3
CE-360	Biophysical Chemistry	
CE-325	NMR Spectroscopy	
CE-333	Biochemistry	
CE-333L	Biochemistry Laboratory	
CE-401	Advanced Inorganic Chemistry	
CE-432	Advanced Analytical Chemistry	
CE-452	Advanced Organic Chemistry	
CE-475	Computational Chemistry and Molecular Modeling	
CE-486	Medicinal Chemistry	
Interdisciplinary Requirements (14 credits)		
MA-116	Calculus for the Biological Sciences	3
or MA-125	Calculus with Analytic Geometry I	
MA-151	Statistics with Applications	3
(MA-125, MA-116 or MA-151 satisfy Mathematics in General Education)		
PH-211	General Physics with Calculus I	3
PH-211L	General Physics with Calculus I Laboratory	1
PH-212	General Physics with Calculus II	3
PH-212L	General Physics with Calculus II Laboratory	1
Option: Biochemistry track (14 credits) [3]		
CE-333	Biochemistry	
CE-333L	Biochemistry Laboratory	
CE-360	Biophysical Chemistry	
CE-360L	Biophysical Chemistry Laboratory	
CE-454	Advanced Biochemistry	
CE-486	Medicinal Chemistry	
Option: Industry Track (13 Credits) [4]		
CE-374	Industrial Chemistry	
CE-432	Advanced Analytical Chemistry	
CE-484	Methods Development and Statistical Process Control	
And one from the following Courses (Lecture and Lab)		
CE-220	Environmental Chemistry	
CE-220L	Environmental Chemistry Laboratory	
CE-382	Physical Chemistry II	
CE-382L	Physical Chemistry II Laboratory	
CE-401	Advanced Inorganic Chemistry	

CE-401L	Advanced Inorganic Chemistry Laboratory	
Free Electives (36 credits)		
Select up to 36 credits of free electives		36
General Education Requirements (33 credits) [5]		
Complete 33 credits as outlined on the General Education table.		33
Total Credits		**120**

[1] *Students desiring certification by the ACS should enroll in the CE.ACS program and consult with the department chair and academic advisor.*

[2] *CE-350, Research in Chemistry, is highly recommended and may be taken as a free elective. Please consult with your advisor regarding the required number of free electives that must be completed.*

[3] Students opting for the Biochemistry Track are advised to take CE-333 (and CE-333L) from the CE-300+ elective list of courses so they will take only 10 credits from the remaining track courses. This way the total number of credits required to graduate from the program remains 120.

[4] Students opting for the Industry Track are advised to take CE-432 Advanced Analytical Chemistry from the list of the CE-300+ elective courses so they will need to take only 10 credits from the remaining track courses. This way the total number of credits required to graduate from the program remains 120.

[5] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(p. 44) courses must be completed.*

Notes

- 54 credits must be completed at the 200 level or higher.

B.S. in Chemistry Sequence Chart

First Year

Fall	Credits	Spring	Credits
CE-111 General Chemistry I	3	CE-112 General Chemistry II	3
CE-111R General Chemistry I Recitation	1	CE-112R General Chemistry II Recitation	1
CE-111L General Chemistry I Laboratory	1	CE-112L General Chemistry II Laboratory	1
EN-101 College Composition I	3	EN-102 College Composition II	3
IT-102 Information Technology for Scientists	3	MA-151 Statistics with Applications	3
MA-116 Calculus for the Biological Sciences	3	Gen*Ed Social Science	3
Semester Credits	**14**	**Semester Credits**	**14**

Second Year

Fall	Credits	Spring	Credits
CE-241 Organic Chemistry I	3	CE-242 Organic Chemistry II	3
CE-241L Organic Chemistry I Laboratory	1	CE-242L Organic Chemistry II Laboratory	1
PH-211 General Physics with Calculus I	3	CE-221 Analytical Chemistry I Quantitative Analysis	3
PH-211L General Physics with Calculus I Laboratory	1	CE-221L Analytical Chemistry I Laboratory Quantitative Analysis	1
Gen*Ed Historical Perspectives	3	PH-212 General Physics with Calculus II	3
Free Electives	3	PH-212L General Physics with Calculus II Laboratory	1
		Free Elective Credits	3
Semester Credits	**14**	**Semester Credits**	**15**

Third Year

Fall	Credits	Spring	Credits
CE-314 Chemical Literature and Seminar	3	Gen*Ed Cultural Diversity or Global Understanding	3
CE-381 Physical Chemistry I	3	Gen*Ed Literature	3
CE-381L Physical Chemistry I Laboratory	1	Free Electives	9
CE-300+ Chemistry Elective or Free Elective	3		
Gen*Ed Historical or Social Science Persp.	3		
Gen*Ed Aesthetics & Creativity	3		
Semester Credits	**16**	**Semester Credits**	**15**

Fourth Year

Fall	Credits	Spring	Credits
CE-322 Analytical Chemistry II	3	CE-300+ Chemistry Elective (if not already taken)	3
CE-322L Analytical Chemistry II Laboratory	2	Gen*Ed Interdisc. Perspect.	3
CE-300+ Elective (See Curriculum Chart for list of options)	3	Free Electives	9
Gen*Ed World Language	3		
Free Electives	6		
Semester Credits	**17**	**Semester Credits**	**15**

Total Credits 120

B.S. in Chemistry and Education with Endorsement in Secondary Education in Chemistry (CE.EDS.BS)

Code	Title	Credits
Major Requirements/Chemistry (37 credits) [1]		
CE-111	General Chemistry I	3
CE-111R	General Chemistry I Recitation	1
CE-111L	General Chemistry I Laboratory	1
CE-112	General Chemistry II	3
CE-112R	General Chemistry II Recitation	1
CE-112L	General Chemistry II Laboratory	1
CE-221	Analytical Chemistry I Quantitative Analysis	3
CE-221L	Analytical Chemistry I Laboratory Quantitative Analysis	1
CE-241	Organic Chemistry I	3
CE-241L	Organic Chemistry I Laboratory	1
CE-242	Organic Chemistry II	3
CE-314	Chemical Literature and Seminar	3
CE-242L	Organic Chemistry II Laboratory	1
CE-322	Analytical Chemistry II	3
CE-322L	Analytical Chemistry II Laboratory	2
CE-381	Physical Chemistry I	3
CE-381L	Physical Chemistry I Laboratory	1
Chemistry 300+ level: Select one course from the following list		3
CE-325	NMR Spectroscopy	
CE-333	Biochemistry	
CE-333L	Biochemistry Laboratory	
CE-360	Biophysical Chemistry	
CE-401	Advanced Inorganic Chemistry	

CE-452	Advanced Organic Chemistry	
CE-475	Computational Chemistry and Molecular Modeling	
CE-486	Medicinal Chemistry	
(CE courses satisfy Natural Science (NS) in General Education)		
Major Requirements/Education (24 credits) [2]		
ED-250	Psychological and Philosophical Foundations of Education	3
EDS-330	Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
EDS-336	Classroom Management	3
ED-319	Content Literacy and Assessment	3
ED-320	Teaching Emergent Multilinguals in an Inclusive Classroom	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
Select 9 credits as follows: [3]		
ED-416 & 416S	Clinical Practice and Clinical Practice Seminar	9
Interdisciplinary Requirements/Chemistry (15 credits)		
MA-125	Calculus with Analytic Geometry I	4
OR		
MA-116	Calculus for the Biological Sciences	
MA-151	Statistics with Applications	3
(MA-125, MA-116 0r MA-151 satisfy Mathematics in General Education)		
PH-211	General Physics with Calculus I	3
PH-211L	General Physics with Calculus I Laboratory	1
PH-212	General Physics with Calculus II	3
PH-212L	General Physics with Calculus II Laboratory	1
Education Methods Requirements (6 credits)		
ED-315	Digital Media and Instructional Technology Skills for Teachers	3
ED-369	Methods of Teaching Science at the Secondary Level	3
Free Electives (5 credits) [4]		
Select up to 5 free elective credits [4]		5
General Education Requirements (33 credits) [5]		
Complete 33 credits as outlined on the General Education table. [5]		33
Total Credits		**120**

[1] *Students desiring certification by the ACS should enroll in the BS CE ACS program*

[2] *Minimum grade of "C" required for Education Courses*

[3] *Students must complete the appropriate test requirement(s) with a passing score PRIOR to Clinical Practice.*

[4] *Please consult with your advisor regarding the number of free electives that must be completed.*

[5] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(p. 44) courses must be completed.*

[6] Students can take MA-125 in place of MA-116.

Additional Endorsements Available

- TSD - Teacher of Students with Disabilities - Secondary
- ESL - English as a Second Language - Secondary

Notes

- 54 credits must be completed at the 200 level or higher.
- Education majors are required to have an overall GPA of 3.00 for State Certification.
- By state regulation, all Education Majors seeking content area endorsement must complete 30 content credits (12+ credits at the 300+ level).

B.S. in Chemistry and Education with Endorsement in Secondary Education in Chemistry Sequence Chart

First Year

Fall	Credits	Spring	Credits
CE-111 General Chemistry I	3	CE-112 General Chemistry II	3
CE-111R General Chemistry I Recitation	1	CE-112R General Chemistry II Recitation	1
CE-111L General Chemistry I Laboratory	1	CE-112L General Chemistry II Laboratory	1
EN-101 College Composition I	3	MA-151 Statistics with Applications	3
MA-116 Calculus for the Biological Sciences[6]	3	EN-102 College Composition II	3
IT-102 Information Technology for Scientists	3	Gen*Ed Social Science Survey	3
		ED-250 Psychological and Philosophical Foundations of Education	3
Semester Credits	**14**	**Semester Credits**	**17**

Second Year

Fall	Credits	Spring	Credits
CE-241 Organic Chemistry I	3	CE-221 Analytical Chemistry I Quantitative Analysis	3
CE-241L Organic Chemistry I Laboratory	1	CE-221L Analytical Chemistry I Laboratory Quantitative Analysis	1
PH-211 General Physics with Calculus I	3	CE-242 Organic Chemistry II	3
PH-211L General Physics with Calculus I Laboratory	1	CE-242L Organic Chemistry II Laboratory	1
Gen*Ed Aesthetics	3	PH-212 General Physics with Calculus II	3
Gen*Ed Historical Survey	3	PH-212L General Physics with Calculus II Laboratory	1
ED-320 Teaching Emergent Multilinguals in an Inclusive Classroom	3	EDS-330 Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
Semester Credits	**17**	**Semester Credits**	**15**

Third Year

Fall	Credits	Spring	Credits
CE-314 Chemical Literature and Seminar	3	ED-319 Content Literacy and Assessment	3
CE-381 Physical Chemistry I	3	Gen*Ed World Language	3
CE-381L Physical Chemistry I Laboratory	1	Gen*Ed Historical Perspectives or Social Science Survey	3

Gen*Ed Literature	3	Gen*Ed Interdisciplinary Perspectives	3
Gen*Ed Cultural Diversity or Global Understanding	3	Free Electives	3
EDS-336 Classroom Management	3		
Semester Credits	**16**	**Semester Credits**	**15**

Fourth Year

Fall	**Credits**	**Spring**	**Credits**
ED-315 Digital Media and Instructional Technology Skills for Teachers	3	ED-416 Clinical Practice	8
ED-369 Methods of Teaching Science at the Secondary Level	3	ED-416S Clinical Practice Seminar	1
CE-322 Analytical Chemistry II	3		
CE-322L Analytical Chemistry II Laboratory (CE300+ Elective from list)	2		
Chemistry Elective (300+ from list)	3		
Free Elective Credits	3		
Semester Credits	**17**	**Semester Credits**	**9**

Total Credits 120

B.S. in Chemistry and Education with Endorsement in Secondary Education in Physical Science (CE.CP.EDS.BS)

Code	**Title**	**Credits**
Major Requirements/Chemistry (37 credits) [1]		
CE-111	General Chemistry I	3
CE-111L	General Chemistry I Laboratory	1
CE-111R	General Chemistry I Recitation	1
CE-112	General Chemistry II	3
CE-112L	General Chemistry II Laboratory	1
CE-112R	General Chemistry II Recitation	1
CE-314	Chemical Literature and Seminar	3
CE-221	Analytical Chemistry I Quantitative Analysis	3
CE-221L	Analytical Chemistry I Laboratory Quantitative Analysis	1
CE-241	Organic Chemistry I	3
CE-241L	Organic Chemistry I Laboratory	1
CE-242	Organic Chemistry II	3
CE-242L	Organic Chemistry II Laboratory	1
CE-322	Analytical Chemistry II	3
CE-322L	Analytical Chemistry II Laboratory	2
CE-381	Physical Chemistry I	3
CE-381L	Physical Chemistry I Laboratory	1
Chemistry 300+ level: Select one course from the following list		3
CE-325	NMR Spectroscopy	
CE-333	Biochemistry	
CE-333L	Biochemistry Laboratory	
CE-360	Biophysical Chemistry	
CE-382	Physical Chemistry II	
CE-401	Advanced Inorganic Chemistry	
CE-452	Advanced Organic Chemistry	
CE-475	Computational Chemistry and Molecular Modeling	
CE-486	Medicinal Chemistry	
(CE courses satisfy Natural Science (NS) requirement in General Education)		
Major Requirements/Education (24 credits) [2]		
ED-250	Psychological and Philosophical Foundations of Education	3
EDS-330	Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
EDS-336	Classroom Management	3
ED-319	Content Literacy and Assessment	3
ED-320	Teaching Emergent Multilinguals in an Inclusive Classroom	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
Select 9 credits as follows: [3]		
ED-416 & 416S	Clinical Practice and Clinical Practice Seminar	9
Interdisciplinary Requirements/Chemistry (21 credits)		
MA-125	Calculus with Analytic Geometry I	4
or MA-116	Calculus for the Biological Sciences	
MA-151	Statistics with Applications	3
(MA-125, MA-116 or MA-151 satisfy Mathematics in General Education)		
PH-211	General Physics with Calculus I	3
PH-211L	General Physics with Calculus I Laboratory	1
PH-212	General Physics with Calculus II	3
PH-212L	General Physics with Calculus II Laboratory	1
PH-311	Theoretical Physics	3
PH-312	Modern Physics	3
Education Methods Requirements (6 credits)		
ED-315	Digital Media and Instructional Technology Skills for Teachers	3
ED-369	Methods of Teaching Science at the Secondary Level	3
Free Electives (0 credits) [4]		**0**
Complete up to 0 free electives credits. [4]		*0*
General Education Requirements (33 credits) [5]		
Complete 33 credits as outlined on the General Education table. [5]		*33*
Total Credits		**121**

1 *Students desiring certification by the ACS should enroll in the BS CE ACS program*

2 *Minimum grade of "C" required for Education Courses*

3 *Students must complete the appropriate test requirement(s) with a passing score PRIOR to Clinical Practice.*

4 *Please consult with your advisor regarding the required number of free electives that must be completed.*

5 *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education courses (p. 44) *must be completed.*

Additional Endorsements Available

- TSD - Teacher of Students with Disabilities - Secondary
- ESL - English as a Second Language - Secondary

Notes

- 54 credits must be completed at the 200 level or higher.
- Education majors are required to have an overall GPA of 3.00 for State Certification.
- By state regulation, all Education Majors seeking content area endorsement must complete 30 content credits (12+ credits at the 300+ level).

B.S. in Chemistry and Education with Endorsement in Secondary Education in Physical Sciences

Sequence Chart

First Year

Fall	Credits	Spring	Credits
CE-111 General Chemistry I	3	CE-112 General Chemistry II	3
CE-111L General Chemistry I Laboratory	1	CE-112L General Chemistry II Laboratory	1
CE-111R General Chemistry I Recitation	1	CE-112R General Chemistry II Recitation	1
EN-101 College Composition I	3	MA-151 Statistics with Applications	3
IT-102 Information Technology for Scientists	3	EN-102 College Composition II	3
MA-116 Calculus for the Biological Sciences or 125	3	Gen*Ed Social Science Survey	3
		ED-250 Psychological and Philosophical Foundations of Education	3
Semester Credits	**14**	**Semester Credits**	**17**

Second Year

Fall	Credits	Spring	Credits
CE-241 Organic Chemistry I	3	CE-242 Organic Chemistry II	3
CE-241L Organic Chemistry I Laboratory	1	CE-242L Organic Chemistry II Laboratory	1
PH-211 General Physics with Calculus I	3	PH-212 General Physics with Calculus II	3
PH-211L General Physics with Calculus I Laboratory	1	PH-212L General Physics with Calculus II Laboratory	1
ED-320 Teaching Emergent Multilinguals in an Inclusive Classroom	3	EDS-330 Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
Gen*Ed Aesthetics	3	CE-221 Analytical Chemistry I Quantitative Analysis	3
Gen*Ed Historical Perspectives	3	CE-221L Analytical Chemistry I Laboratory Quantitative Analysis	1
Semester Credits	**17**	**Semester Credits**	**15**

Third Year

Fall	Credits	Spring	Credits
PH-312 Modern Physics	3	PH-311 Theoretical Physics	3
CE-314 Chemical Literature and Seminar	3	CE-300+ Elective from list	3
CE-381 Physical Chemistry I	3	ED-319 Content Literacy and Assessment	3
CE-381L Physical Chemistry I Laboratory	1	Gen*Ed Literature	3
EDS-336 Classroom Management	3	Gen*Ed World Language	3
Gen*Ed Cultural Diversity or Global Understanding	3		
Semester Credits	**16**	**Semester Credits**	**15**

Fourth Year

Fall	Credits	Spring	Credits
ED-315 Digital Media and Instructional Technology Skills for Teachers	3	ED-416 Clinical Practice	8
ED-369 Methods of Teaching Science at the Secondary Level	3	ED-416S Clinical Practice Seminar	1
CE-322 Analytical Chemistry II	3		
CE-322L Analytical Chemistry II Laboratory	2		
Gen*Ed Historical Perspectives or Social Science Survey	3		
Gen*Ed Interdisciplinary Studies	3		
Semester Credits	**17**	**Semester Credits**	**9**

Total Credits 120

B.S. in Chemistry with a Concentration in Advanced Chemistry (American Chemical Society Certified Program) (CE.ACS.BS)

Code	Title	Credits
Major Requirements/Chemistry (55 credits) [1, 2]		
CE-111	General Chemistry I	3
CE-111R	General Chemistry I Recitation	1
CE-111L	General Chemistry I Laboratory	1
CE-112	General Chemistry II	3
CE-112R	General Chemistry II Recitation	1
CE-112L	General Chemistry II Laboratory	1
CE-221	Analytical Chemistry I Quantitative Analysis	3
CE-221L	Analytical Chemistry I Laboratory Quantitative Analysis	1
CE-241	Organic Chemistry I	3
CE-241L	Organic Chemistry I Laboratory	1
CE-242	Organic Chemistry II	3
CE-242L	Organic Chemistry II Laboratory	1
CE-314	Chemical Literature and Seminar	3
(Satisfies Reasoned Oral Discourse in General Education)		
CE-322	Analytical Chemistry II	3
CE-322L	Analytical Chemistry II Laboratory	2
CE-333	Biochemistry	3
CE-333L	Biochemistry Laboratory	1
CE-350	Research in Chemistry	3
CE-381	Physical Chemistry I	3
CE-381L	Physical Chemistry I Laboratory	1
CE-382	Physical Chemistry II	3
CE-382L	Physical Chemistry II Laboratory	1
CE-401	Advanced Inorganic Chemistry	3
CE-401L	Advanced Inorganic Chemistry Laboratory	1
(Chemistry courses satisfy Natural Science (NS) in General Education)		
Select two courses from the following list:		6

CE-325	NMR Spectroscopy	
CE-360	Biophysical Chemistry	
CE-405	Methods of Inorganic Chemistry	
CE-432	Advanced Analytical Chemistry	
CE-452	Advanced Organic Chemistry	
CE-454	Advanced Biochemistry	
CE-475	Computational Chemistry and Molecular Modeling	
CE-486	Medicinal Chemistry	
Interdisciplinary Requirements (14 credits)		
MA-116	Calculus for the Biological Sciences	3
or MA-125	Calculus with Analytic Geometry I	
MA-151	Statistics with Applications	3
or MA-126	Calculus with Analytic Geometry II	
(MA-116, MA-125, MA-126 or MA-151 satisfies Mathematics in General Education)		
PH-211	General Physics with Calculus I	3
PH-211L	General Physics with Calculus I Laboratory	1
PH-212	General Physics with Calculus II	3
PH-212L	General Physics with Calculus II Laboratory	1
Free Electives (18 credits) [2]		
Select up to 18 free elective credits [2]		18
General Education Requirements (33 credits) [3]		
Complete 33 credits as outlined on the General Education table. [3]		33
Total Credits		**120**

[1] *Students who major in this concentration cannot also major in the Biochemistry concentration.*

[2] *Please consult with your advisor regarding the required number of free elective credits that must be completed.*

[3] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education (p. 44) *courses must be completed*

Notes

- 54 credits must be completed at the 200 level or higher.

B.S. in Chemistry with a Concentration in Advanced Chemistry (American Chemical Society Approved Program) Sequence Chart

First Year

Fall	Credits	Spring	Credits
CE-111 General Chemistry I	3	CE-112 General Chemistry II	3
CE-111R General Chemistry I Recitation	1	CE-112R General Chemistry II Recitation	1
CE-111L General Chemistry I Laboratory	1	CE-112L General Chemistry II Laboratory	1
IT-102 Information Technology for Scientists	3	MA-151 Statistics with Applications or 126	3
MA-116 Calculus for the Biological Sciences or 125	3	EN-102 College Composition II	3
EN-101 College Composition I	3	Gen*Ed Historical Perspectives	3
Semester Credits	**14**	**Semester Credits**	**14**

Second Year

Fall	Credits	Spring	Credits
CE-241 Organic Chemistry I	3	CE-242 Organic Chemistry II	3
CE-241L Organic Chemistry I Laboratory	1	CE-242L Organic Chemistry II Laboratory	1
PH-211 General Physics with Calculus I	3	CE-221 Analytical Chemistry I Quantitative Analysis	3
PH-211L General Physics with Calculus I Laboratory	1	CE-221L Analytical Chemistry I Laboratory Quantitative Analysis	1
Gen*Ed Social Science	3	PH-212 General Physics with Calculus II	3
Gen*Ed Aesthetics	3	PH-212L General Physics with Calculus II Laboratory	1
		Gen*Ed Historical or Social Science Persp.	3
Semester Credits	**14**	**Semester Credits**	**15**

Third Year

Fall	Credits	Spring	Credits
CE-314 Chemical Literature and Seminar	3	CE-350 Research in Chemistry	3
CE-333 Biochemistry	3	CE-382 Physical Chemistry II	3
CE-333L Biochemistry Laboratory	1	CE-382L Physical Chemistry II Laboratory	1
CE-381 Physical Chemistry I	3	Gen*Ed Cultural Diversity or Global Understanding	3
CE-381L Physical Chemistry I Laboratory	1	Gen*Ed Literature	3
CE-401 Advanced Inorganic Chemistry	3	Free Electives	3
CE-401L Advanced Inorganic Chemistry Laboratory	1		
Semester Credits	**15**	**Semester Credits**	**16**

Fourth Year

Fall	Credits	Spring	Credits
CE-322 Analytical Chemistry II	3	Chemistry Elective (see curriculum chart)	3
CE-322L Analytical Chemistry II Laboratory	2	Gen*Ed Interdisciplinary Perspectives	3
Chemistry Elective (see Curriculum chart)	3	Free Electives	9
Gen*Ed World Language	3		
Free Electives	6		
Semester Credits	**17**	**Semester Credits**	**15**

Total Credits 120

Minor in Chemistry (MIN.CE)

Code	Title	Credits
CE-111	General Chemistry I	3
CE-111R	General Chemistry I Recitation	1
CE-111L	General Chemistry I Laboratory	1
CE-112	General Chemistry II	3
CE-112R	General Chemistry II Recitation	1
CE-112L	General Chemistry II Laboratory	1
CE-241	Organic Chemistry I	3
CE-241L	Organic Chemistry I Laboratory	1

Select 7 credits of chemistry, three of which must be at the 300+ level or higher [1]	7
Total Credits	**21**

[1] Students who have taken BY-310 Biochemistry may not use CE-333 Biochemistry toward the Chemistry Minor.

Computer Science and Software Engineering

Chair: Ling Zheng, Department of Computer Science and Software Engineering

UNIX Administrator and Teacher: Joseph Chung

Bachelor of Science in Computer Science

The Computer Science curriculum provides a solid foundation in the computing sciences, preparing students for employment in industry or for graduate school. Software design and development is emphasized along with foundational computing concepts. The higher-level courses enable students to explore a variety of topics, such as databases, networks, artificial intelligence, scripting languages, game programming, UNIX administration, and computer security.

The B.S. in Computer Science, which is accredited by the Computing Accreditation Commission of ABET (http://www.abet.org), is recommended especially for students who plan to attend graduate school in computer science or who plan to specialize in scientific computing. The Bachelor of Science in Computer Science identifies the following within a few years after graduation from the program:

- Work as effective team members or team leaders in the development of secure computer and software systems covering a wide range of business, educational and scientific applications, or undertake graduate studies.
- Work in teams to solve problems, communicating effectively with technical and non-technical team members, clients, and customers, while meeting the social and ethical responsibilities of their profession.
- Adapt to new technologies, methodologies and regulations with the skills required to react to and innovate for a changing world.

Students interested in Computer Science but looking for a more flexible curriculum may choose to pursue the non-ABET-accredited B.A. in Computer Science. This program requires fewer math and science credits, which allows students to take additional coursework or a minor in other academic areas.

Bachelor of Science in Software Engineering

The undergraduate Software Engineering curriculum, which is accredited by the Engineering Accreditation Commission of ABET (http://www.abet.org) is designed to give students a broad background in both computer and engineering science with a heavy emphasis on those aspects of software engineering that will enable graduates to efficiently participate in the design, development, and deployment of large software systems.

The educational objectives of the B.S. in Software Engineering program are to prepare software engineering graduates to do the following within the first few years after graduation from the program:

- Work as effective team members or team leaders in the development of secure computer and software systems covering a wide range of business, educational and scientific applications, or undertake graduate studies.
- Work in teams to solve problems, communicating effectively with technical and non-technical team members, clients, and customers, while meeting the social and ethical responsibilities of their profession.
- Adapt to new technologies, methodologies and regulations with the skills required to react to and innovate for a changing world.

Programs

Majors

- B.S. in Computer Science (p. 262)
- B.A. in Computer Science (p. 261)
- B.S. in Software Engineering (p. 263)

Minors

- Computer Science (p. 265)
- Information Technology (p. 265)

Certificate

- Information Technology (p. 265)

Faculty

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Courses

CS-104 Introduction to Problem Solving and Software Development **Credits: 3**

Term Offered: All Terms
Course Type(s): TL
Introduces a broad overview of problem solving, computing topics, and fundamental concepts and methodologies of software development designed to provide students with awareness of the computing field's many aspects. Topics include fundamentals of computer architecture, operating systems, applications, problem-solving. It emphasizes the main phases of the software development lifecycle, such as requirements, design, implementation, testing, project planning. Also, it stresses the difference between the software product and process. Introduces social and ethical issues related to computing and explores the local and global impact of computing on individuals, organizations and society. It also gives students their initial exposure to group project work.

CS-175 Introduction to Computer Science I **Credits: 3**

Prerequisite(s): CS-104
Co-requisite(s): CS-175L
Term Offered: All Terms
Course Type(s): None
Introductions to the basic concepts of program development in a modern object-oriented language; problem-solving methods and algorithm development; basic primitive and object data types; language syntax; style and documentation; and coding and testing of programs

CS-175L Introduction to Computer Science I lab **Credits: 1**

Prerequisite(s): CS-104
Co-requisite(s): CS-175
Term Offered: All Terms
Course Type(s): None
Introductions to the basic concepts of programming and program development in a modern Software Development Environment with debugger and source code control.

CS-176 Introduction to Computer Science II **Credits: 3**

Prerequisite(s): CS-175 and CS-175L, both passed with a grade of C or higher
Co-requisite(s): CS-176L
Term Offered: All Terms
Course Type(s): None
Continuation in depth and breadth of problem solving and algorithm development, using the same modern object-oriented language as in CS-175. More advanced object-oriented design. Introduction to polymorphism, inheritance, and interfaces.

CS-176L Introduction to Computer Science II Lab **Credits: 1**

Prerequisite(s): CS-175 and CS-175L, both passed with a grade of C or higher
Co-requisite(s): CS-176
Term Offered: All Terms
Course Type(s): None
Introduction to advanced concepts of programming and program development in a modern Software Development Environment with debugger and source code control.

CS-199 Independent Study in Computer Science **Credits: 1-3**

Course Type(s): None
Independent study in a computer science topic not substantially treated in a regular course; for students with superior ability. One-hour consultation per week. Prior permission of the directing professor and department chair is required to take this course.

CS-201 Introduction to Computer Programming for Data Science **Credits: 1**

Prerequisite(s): IT-100 or IT-102 or IT-150 or CS-104
Term Offered: Spring Term
Course Type(s): None
This course introduces the most important data structures available in R and their practical application. Methodologies to import data from external sources (files, databases, on-line resources), to manipulate and transform data, and to save\export data to data repositories are described. The course also describes how to compute descriptive statistics and how to build chart for effective data visualization tasks. The students will become familiar in using some R data manipulation and visualization libraries.

CS-205 Data Structures and Algorithms **Credits: 3**

Prerequisite(s): MA-130, CS-176, and CS-176L, all passed with a grade of C or higher
Co-requisite(s): CS-205L
Term Offered: All Terms
Course Type(s): None
Introduction to the design, implementation, and use of fundamental data structures (lists, stacks, queues, trees); extensions of these structures and associated algorithms; informal complexity analysis.

CS-205L Data Structures and Algorithms Lab **Credits: 1**

Prerequisite(s): MA-130, CS-176, and CS-176L, all passed with a grade of C or higher
Co-requisite(s): CS-205
Term Offered: All Terms
Course Type(s): None
Introductions to the basic concepts of programming and program development in a modern Software Development Environment with debugger and source code control.

CS-286 Computer Architecture I **Credits: 3**
Prerequisite(s): CS-176 passed with a grade of C or higher
Term Offered: All Terms
Course Type(s): None
Data representation and operations. Digital logic design. Processor data path. Memory hierarchy. Instruction set architecture. Assembly language programming.

CS-289 Internship in Computer Science **Credits: 3**
Term Offered: All Terms
Course Type(s): EX1
Supervised practical experience in Computer Science. Repeatable for credit. Sophomore standing, departmental approval, and placement are required to take this course.

CS-298 Special Topics in Computer Science (200 Level) **Credits: 1-3**
Term Offered: Spring Term
Course Type(s): None
An intensive study of a particular subject or problem in computer science to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. Three or four hours per week. If a prerequisite is required it will be announced in the course schedule.

CS-299 Independent Study in Computer Science **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Independent study in a computer science topic not substantially treated in a regular course; for students with superior ability. One-hour consultation per week. Prior permission of the directing professor and department chair is required to take this course.

CS-301 Android Application Development **Credits: 3**
Prerequisite(s): CS-205 and CS-205L
Term Offered: Spring Term
Course Type(s): None
This course will teach students software methodologies for Android App Development. This will include Android Development Studio, Kotlin programming language, and interfaces to external services required to develop simple to moderately complex Android mobile apps. Also listed as SE-301.

CS-305 Advanced Computing **Credits: 3**
Prerequisite(s): CS-205 passed with a grade of C or higher
Term Offered: Fall Term
Course Type(s): None
Introduction to fundamental concepts of computer science theory and methods of parallel and distributed programming, The course covers automata theory (including finite-state machines and Turing machines, algorithm complexity (including the distinction between P and NP problems), BNF specification of programming languages, methods of parallel programming, methods of distributed programming, measuring the speedup obtained by parallelization, and methods of addressing NP completeness through approximation. The course will provide experience in the implementation of parallel and distributed programming.

CS-310 Advanced Object-Oriented Programming and Design **Credits: 3**
Term Offered: All Terms
Course Type(s): WT
Object-oriented programming and design, using a language different from that used on CS-176. Use of classes, inheritance, polymorphism, and libraries. Topics will include flexible system design for such requirements as globalization. This is a writing-intensive course.

CS-315 Theory of Computing **Credits: 3**
Prerequisite(s): CS-176 passed with a grade of C or higher and either CS-202 or MA-120 or MA-130 passed with a grade of C or higher
Term Offered: Spring Term
Course Type(s): None
An introduction to phrase structure languages and their relation to automata, computability, and program verification.

CS-325 Software Engineering Concepts **Credits: 3**
Prerequisite(s): CS-205 passed with a grade of C or higher; and EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): WT
Overview of software engineering concepts, analysis/design techniques, Unified Modeling Language (UML), software documentation, and group development of software.

CS-335 Programming Language Concepts **Credits: 3**
Prerequisite(s): CS-205 passed with a grade of C or higher
Course Type(s): None
Design, evaluation, and implementation of programming languages. Discussion of imperative, applicative, object-oriented and concurrent languages. Four hours per week.

CS-337 Enterprise Mobile iOS Apps Design and Development **Credits: 3**
Prerequisite(s): CS-205 passed with a grade of C or higher
Term Offered: Fall Term
Course Type(s): None
Presents methodologies to build enterprise mobile apps on iPad tablets and iPhone smartphones using iOS. The course will cover technologies to use in the design and development of apps on mobile devices and integration of these apps with corporate data sources, sensor devices and cloud computing services. Also listed as SE-337.

CS-350 Research in Computer Science **Credits: 1-4**
Prerequisite(s): CS-306 passed with a grade of C or higher, a minimum of fifteen credits at Monmouth University and a minimum GPA of 3.25
Course Type(s): EX5
Original research work, associated with an external constituent and/or organization, planned and carried out with assistance of faculty research advisor. Research conducted by the student will be shared with the external constituency and submitted for outside publication and review. Number of credits arranged with advisor. Limited to Computer Science students with approval of chair, program director, or advisor.

CS-357 Engineering Full-Stack Software Applications **Credits: 3**
Prerequisite(s): CS-176 and CS-176L
Term Offered: Fall Term
Course Type(s): None
A practical introduction to the principles, methods, and tools required to create high-quality software applications for the distributed, client-server context of the Web. Emphasis is on architectural designs, and language and data access methods that are common in Web-based systems. Also listed as SE-357.

CS-358 Software Frameworks **Credits: 3**
Prerequisite(s): EN-101, EN-102, CS-205 and SE-207 both passed with a grade of C or higher; and SE-357 or CS-357, or permission of the instructor.
Course Type(s): WT
An introduction to Design Patterns and modern Software Frameworks, programming languages, data access methods and asynchronous Application Programming Interfaces (APIs). This is a writing intensive course. Restricted to Computer Science or Software Engineering students only. Also listed as SE-358. and SE-357 or CS-357 or permission of the instructor.

CS-360 Introduction to Game Development **Credits: 3**
Prerequisite(s): CS-205 passed with a grade of C or higher
Term Offered: Fall Term
Course Type(s): None
An introduction to the creation of computer/video games and the different elements of games, including computer graphics, animation, artificial intelligence, algorithms, data structures, networking, software development cycles and human-computer interaction. Also listed as SE-360.

CS-370 Program Development Under Unix **Credits: 3**
Prerequisite(s): CS-176 passed with a grade of C or higher
Term Offered: Fall Term
Course Type(s): None
Introduction to the use of the UNIX operating system and its utilities for incremental and distributed program development, maintenance, and debugging. The course covers the UNIX shell, utilities, and program development tools that are used for large projects involving multiple developers on multiple machines. Three hours per week.

CS-371 Scripting Languages **Credits: 3**
Prerequisite(s): CS-176 or equivalent
Term Offered: Spring Term
Course Type(s): None
An introduction to programming using widely-used, dynamically-typed, interpreted programming languages, which are sometimes called "scripting" languages. Covers general-purpose scripting languages, such as Perl and Python that are used to develop a wide range of applications. Scripting languages, such as PHP, that are used primarily in web development, will not be covered in this course.

CS-375 File Management **Credits: 4**
Prerequisite(s): CS-205 passed with a grade of C or higher
Course Type(s): None
Overview of files, records and files, blocking and buffering, secondary storage devices; sequential file organization, external sort/merge algorithms; random access; relative file organization; tree-structured file organization; search trees, indexed sequential file organization; list-structured file organization; multiple-key file organization. Four hours per week.

CS-388 Cooperative Education: Computer Science **Credits: 3**
Prerequisite(s): CS-205 passed with a grade of C or higher, Junior standing and thirty or more earned credits with at least fifteen taken at Monmouth University
Term Offered: All Terms
Course Type(s): EX2
Provides an opportunity for students who are engaged in a computer science-related experience. Fifteen to twenty hours of work experience per week. This course may be repeated for credit. Departmental approval is required to take this course.

CS-389 Internship in Computer Science **Credits: 3**
Term Offered: All Terms
Course Type(s): EX1
Supervised practical experience in Computer Science. Repeatable for credit. Junior standing, departmental approval, and placement are required to take this course.

CS-398 Special Topics in Computer Science (300 Level) **Credits: 1-3**
Term Offered: Spring Term
Course Type(s): None
An intensive study of a particular subject or problem in computer science to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. Three or four hours per week. If a prerequisite is required it will be announced in the course schedule.

CS-399 Independent Study in Computer Science **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Independent study in a computer science topic not substantially treated in a regular course; for students with superior ability. One-hour consultation per week. Prior permission of the directing professor and department chair is required to take this course.

CS-414 Computer Networks **Credits: 3**
Prerequisite(s): CS-286 passed with a grade of C or higher
Term Offered: All Terms
Course Type(s): None
An introductory-level course on the hierarchy of networking software and hardware. Emphasis on the; description of protocols in the Internet, specifically, client-server Application Layer Protocols such as HTTP, SMTP, DNS, DHCP; Transport Layer Protocols such as UDP/TCP, Network Layer Protocols such as IP, ICMP, as well as Network Layer Routing and Forwarding techniques, such as RIP and OSPF for IPv4 and Tunneling for IPv6.

CS-418 Compiler Construction **Credits: 3**
Prerequisite(s): CS-205 passed with a grade of C or higher
Course Type(s): None
The principles and practices of incorporating the theory of finite automata and context-free languages, the maintenance and use of semantic information, and the generation and optimization of code to produce a compiler. Four hours per week.

CS-420 Survey of Artificial Intelligence Concepts and Practices **Credits: 3**
Prerequisite(s): CS-205 and MA-130 both passed with a grade of C or higher
Term Offered: Fall Term
Course Type(s): None
Introduction of fundamental concepts and practices of artificial intelligence, covering search techniques, constraint satisfaction, knowledge representation, machine learning, planning, and natural language processing. The course will provide experience in the implementation of techniques from these areas. Three hours per week.

CS-432 Database Systems **Credits: 3**
Prerequisite(s): CS-205 passed with a grade of C or higher
Term Offered: All Terms
Course Type(s): None
Overview of database system concepts; data modeling; ER and UML diagrams; relational database schema definition; database design; query languages; introduction to NoSQL and comparison between relational and non-relational databases; hand-on experience of SQL, Oracle, and NoSQL.

CS-438 Operating Systems Analysis **Credits: 3**
Prerequisite(s): CS-286 and CS-205 both passed with a grade of C or higher
Term Offered: All Terms
Course Type(s): None
Management of memory, processes, files, and devices. OS design principles and performance measures. Multiprogramming, multiprocessing, concur-ency, deadlock, virtual machines. Competitive and cooperating processes. Programs will be written in C or in Java. Three hours per week.

CS-450 Cyber Security **Credits: 3**
Prerequisite(s): CS-205
Term Offered: Fall Term
Course Type(s): None
Cover fundamental theory and practice of cyber security. Review cryptographic tools used to provide security, such as shared key encryption; public key encryption, key exchange, authentication, digital signature, and intrusion detection. Learn implementation of secure mechanisms in object-oriented programming languages. Also listed as SE-450.

CS-451 Applied Computer Security **Credits: 3**
Prerequisite(s): CS-450 or SE-450
Term Offered: Spring Term
Course Type(s): None
This course will introduce students to multiple aspects of computer security and practice into a series of well-defined security topics such as network security and hacking tools. Also, the student will introduce different topics of digital forensics. Also listed as SE-451.

CS-471 System Administration **Credits: 3**
Prerequisite(s): CS-370 or CS-371 passed with a grade of C or higher
Term Offered: Spring Term
Course Type(s): None
Fundamental topics in system administration, focused primarily on UNIX administration with added coverage of Microsoft Windows NT descendant systems. The course is a hands-on introduction to installing and maintaining modern, multi-user, production UNIX-like operating systems and the essential services that are hosted on these systems.

CS-488 Cooperative Education: Computer Science **Credits: 3**
Prerequisite(s): CS-205 passed with a grade of C or higher
Term Offered: All Terms
Course Type(s): EX2
Provides an opportunity for students who are engaged in a computer science-related experience. Fifteen to twenty hours of work experience per week. May be repeated for credit. Departmental approval is required to take this course. Junior standing, thirty or more earned credits with at least fifteen taken at Monmouth University and CS-205 passed with a grade of C or higher are required to take this course.

CS-489 Internship in Computer Science **Credits: 1-3**
Term Offered: All Terms
Course Type(s): EX1
Supervised practical experience in Computer Science. Repeatable for credit. Junior standing, departmental approval, and placement are required to take this course.

CS-490 Senior Project **Credits: 4**
Prerequisite(s): CS-325 and CS-432 both passed with a grade of C or higher
Term Offered: Spring Term
Course Type(s): RD
Affords the student an opportunity to integrate topics and techniques from previous coursework in a capstone project. The project will combine investigation into computer science literature and actual implementation, either in an area of current research or an application area of interest to industry. Implementation might involve collaboration with other students. The project will be presented formally, both orally and in written form. This course satisfies the reasoned oral discourse requirement for computer science students.

CS-492A Computer Science Senior Project A **Credits: 3**
Prerequisite(s): CS-325 and CS-432, both passed with a grade of C or higher
Term Offered: All Terms
Course Type(s): RD
Affords the student an opportunity to integrate topics and techniques from previous coursework in a capstone project. The project will combine investigation into computer science literature and actual implementation, either in an area of current research or an application area of interest to industry. Implementation might involve collaboration with other students. The project will be presented formally both orally and in written form. This course satisfies the reasoned oral discourse requirement for computer science students.

CS-492B Computer Science Senior Project B **Credits: 3**
Prerequisite(s): CS-492A
Term Offered: All Terms
Course Type(s): RD
Affords the student an opportunity to integrate topics and techniques from previous coursework in a capstone project. The project will combine investigation into computer science literature and actual implementation, either in an area of current research or an application area of interest to industry. Implementation might involve collaboration with other students. The project will be presented formally both orally and in written form. This course satisfies the reasoned oral discourse requirement for computer science students.

CS-498 Special Topics in Computer Science (400 Level) **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
An intensive study of a particular subject or problem in computer science to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. Three or four hours per week. If a prerequisite is required it will be announced in the course schedule.

CS-499 Independent Study in Computer Science **Credits: 1-4**
Term Offered: All Terms
Course Type(s): None
Independent study in a computer science topic not substantially treated in a regular course; for students with superior ability. One-hour consultation per week. Prior permission of the directing professor and department chair is required to take this course.

IT-100 Information Technology **Credits: 3**
Term Offered: All Terms
Course Type(s): TL
Introduction to computer-based information management concepts that provide an integrated approach to personal computer software in a Windows environment. These include, word processing, spreadsheet, database, presentation graphics, and electronic communication applications; information retrieval from the Internet and online library resources; fundamental computer literacy; and the ethical and societal implications of computer technology. Hands-on experience with a microcomputer on a networked system is provided. Not open to students who have completed CS-102 or IT-102 or IT-150.

IT-102 Information Technology for Scientists **Credits: 3**
Term Offered: All Terms
Course Type(s): TL
Introduction to computer-based information management that provides an integrated approach to personal computer software in a Windows environment, which includes word processing, spreadsheet, mathematics, database, presentation graphics, Internet and electronic communication applications. Emphasizes scientific applications, technical report preparation and presentation. Hands-on experience with a microcomputer on a networked system is provided.

IT-103 Applied Information Technology **Credits: 3**
Term Offered: Fall Term
Course Type(s): TL
Applies the principles and tools of information technology toward a deeper understanding of their impact on scientific, social and ethical issues via a central theme for the semester such as (but not limited to) climate change, big data, health-care cost analysis and others. This course will use software such as spreadsheets, databases, modeling, simulation, data analysis, software, electronic-communication applications; information retrieval from the internet and on-line library resources; social media, intranet and extranet systems to help students emerge with thematic materials in a way that deepens their understanding of associated topics.

IT-150 Information Technology for Business **Credits: 3**
Term Offered: All Terms
Course Type(s): TL
Introduction to computer-based information business management that provides an integrated approach to personal computer software in a Windows environment. This includes fundamental technology literacy; operating systems, word processing, spreadsheet, database, presentation graphics, and electronic communication applications; computer and network security; troubleshooting; information retrieval from the Internet and on-line library resources; intranet and extranet systems; and the ethical, societal, legal, and economic implications of computer technology. Hands-on experience with a microcomputer on a networked system is provided.

IT-200 Advanced Information Technology **Credits: 3**
Prerequisite(s): IT-100 or IT-102; or CS-104 or IT-150
Term Offered: All Terms
Course Type(s): None
Advanced concepts and techniques in computer-based information management are provided through an integrated approach to personal computer hardware and software in a Windows environment. These include: hardware and software considerations; societal and ethical considerations; the program development life cycle; creating tables; merging documents and desktop publishing in word processing; creating templates, workbooks with multiple worksheets, and creating a data map in electronic spreadsheets; creating custom reports and an application system using macros in database management; and using embedded visuals in presentation graphics applications. Hands-on experience with a microcomputer on a networked system is provided.

IT-250 Web Application Design **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Introduction to creating websites and applications for the Web that adapt to smart phones, tablets and desktop computers. Creation of web applications with content, images that can link to other apps. Creation of modern style layouts for various applications. Skills include: HTML, CSS, and embedding JavaScript code. Hands-on experience using the computer labs and web server.

IT-275 Data Analytics for Web Applications **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Define Data Analytics and the key steps in the Data Analytics process involving collecting, wrangling, mining, and visualizing data. Concepts include different types of data structures, file formats, sources of data, and Big Data. Collecting data from public websites. Making use of Generative AI. Students will learn about and take on various Roles: Data Engineer, Data Analyst, Data Scientist, Business Analyst, and Business Intelligence Analyst.

IT-298 Special Topics in Information Technology (200 Level) **Credits: 3**
Prerequisite(s): IT-100 and as announced in the course schedule
Course Type(s): None
Topics of current interest in Information Technology.

IT-299 Independent Study in Information Technology **Credits: 3**
Term Offered: Summer Term
Course Type(s): None
Reading and research on a selected topic under the direction of a faculty member.

IT-300 Web Programming **Credits: 3**
Prerequisite(s): IT-250 or permission of the department
Term Offered: All Terms
Course Type(s): None
Introducing dynamic web actions such as: app sign-up and processing data forms, creating blogs. creating animations, advertisements, popup windows, selling products online, email blasts etc. Students will also learn processing the meta data of a website/application (ie number of visits, clicks, duration per visit, returning customers etc.). Simple examples in Gaming, AI and Data Analytics can be used. Skills include: php, JavaScript, mySQL.

IT-398 Special Topics in Information Technology (300 Level) **Credits: 3**
Prerequisite(s): IT-100 and as announced in the course schedule
Course Type(s): None
Topics of current interest in Information Technology.

IT-399 Independent Study in Information Technology Credits: 3
Term Offered: Spring Term
Course Type(s): None
Reading and research on a selected topic under the direction of a faculty member. Prior permission of the directing professor and department chair is required to take this course.

IT-450 Information Systems Project Management Credits: 3
Prerequisite(s): IT-250 or permission of the department
Co-requisite(s): IT-300
Term Offered: All Terms
Course Type(s): EX5
Students will use their skills to create web applications for local businesses and vendors as their client. Students will create applications and promote them using: social media, creating QR (Quick Response) and using codes, search engine marketing strategies. Students will work on small teams and use tools and skills of a system analyst for project management. Project management software will be used to track progress for reporting to a client.

IT-498 Special Topics in Information Technology (400 Level) Credits: 3
Prerequisite(s): IT-100 and as announced in the course schedule
Course Type(s): None
Topics of current interest in Information Technology.

IT-499 Independent Study in Information Technology Credits: 3
Course Type(s): None
Reading and research on a selected topic under the direction of a faculty member.

SE-199 Independent Study in Software Engineering Credits: 3
Term Offered: Summer Term
Course Type(s): None
Independent Study of a particular subject or problem in software engineering under the guidance of a software engineering faculty member. Prior permission of the directing professor and department chair is required to take this course.

SE-205 Requirements Engineering and Specifications Credits: 3
Prerequisite(s): CS-104 and CS-175
Term Offered: All Terms
Course Type(s): None
Elicitation, analysis, specification, validation, and management of user requirements; process, notations, methods and tools, requirements standards, system requirements specifications document (SRS).

SE-207 Software Design and Architecture Credits: 3
Prerequisite(s): CS-104 and CS-176; and EN-101 and EN-102 or permission of the instructor
Term Offered: Spring Term
Course Type(s): WT
Design process notations, methods, paradigms, and tools. System architecture tradeoff analysis; component and subcomponent specification. Generic (domain) design; architectural styles, frameworks, and patterns. Architecture standards; design tools.

SE-289 Internship in Software Engineering Credits: 3
Term Offered: Summer Term
Course Type(s): EX1
Supervised practical experience in Software Engineering. Repeatable for credit. Junior standing, departmental approval, and placement are required to take this course.

SE-299 Independent Study in Software Engineering Credits: 3
Term Offered: All Terms
Course Type(s): None
Independent Study of a particular subject or problem in software engineering under the guidance of a software engineering faculty member. Prior permission of the directing professor and department chair is required to take this course.

SE-301 Android Application Development Credits: 3
Prerequisite(s): CS-205 and CS-205L
Course Type(s): None
This course will teach students software methodologies for Android App Development. This will include Android Development Studio, Kotlin programming language, and interfaces to external services required to develop simple to moderately complex Android mobile apps. Also listed as CS-301.

SE-306 Formal Methods in Software Engineering Credits: 3
Prerequisite(s): MA-120 or MA-130, and MA-220, passed with a grade of C or higher.
Term Offered: All Terms
Course Type(s): None
Covers a variety of formal methods and applies them to software-specification development. Assumes a firm grounding in mathematical logic, knowledge of proof techniques, and skill in the translation of problems expressed in English into predicate logic.

SE-312 Software Verification, Validation, and Maintenance Credits: 3
Prerequisite(s): CS-104 and CS-176
Term Offered: All Terms
Course Type(s): None
Covers inspections of requirements, design and code, as well as testing, the handling of change requests, software evolution, code comprehension, and change management.

SE-337 Enterprise Mobile iOS Apps Design and Development Credits: 3
Prerequisite(s): CS-205 passed with a grade of C or higher
Term Offered: Fall Term
Course Type(s): None
Presents methodologies to build enterprise mobile apps on iPad tablets and iPhone smartphones using iOS. The course will cover technologies to use in the design and development of apps on mobile devices and integration of these apps with corporate data sources, sensor devices and cloud computing services. Also listed as CS-337.

SE-352 Embedded and Real-Time Software Credits: 3
Prerequisite(s): CS-176, CS-176L, and SE-205 all passed with a grade of C or higher.
Term Offered: Spring Term
Course Type(s): None
Familiarizes students with the fundamental issues related to embedded and real-time software systems and gives them an opportunity to become familiar with a commercially available system for developing and testing embedded and real-time software. Topics include: definition of embedded systems, process concurrency, interprocess communications, synchronization, and process scheduling.

SE-353 Comparative Languages **Credits: 3**
Prerequisite(s): CS-176
Course Type(s): None
Begins with a history of the development of programming languages that provides the background necessary to understand programming-language design and evaluation. This is followed by an introduction to the basic programming language constructs and then critically comparing their implementation in some of the most common languages. Included is a discussion of the advantages and disadvantages of modern programming languages for a variety of applications. Some of the languages discussed are LISP, C, Small Talk, C++, Java, Ada, PL/1, and Prolog.

SE-357 Engineering Full-Stack Software Applications **Credits: 3**
Prerequisite(s): CS-176 and CS-176L
Term Offered: All Terms
Course Type(s): None
A practical introduction to the principles, methods, and tools required to create high-quality software applications for the distributed, client-server context of the Web. Emphasis is on architectural designs, and language and data access methods that are common in Web-based systems. Also listed as CS-357.

SE-358 Software Frameworks **Credits: 3**
Prerequisite(s): EN-101, EN-102, CS-205 and SE-207 both passed with a grade of C or higher; and SE-357 or CS-357, or permission of the instructor.
Term Offered: Spring Term
Course Type(s): WT
An introduction to Design Patterns and modern Software Frameworks, programming languages, data access methods and asynchronous Application Programming Interfaces (APIs). This is a writing intensive course. Restricted to Computer Science or Software Engineering students only. Also listed as CS-358. SE-357 or CS-357 or permission of the instructor.

SE-360 Introduction to Game Development **Credits: 3**
Prerequisite(s): CS-205 passed with a grade of C or higher
Term Offered: Fall Term
Course Type(s): None
An introduction to the creation of computer/video games and the different elements of games, including computer graphics, animation, artificial intelligence, algorithms, data structures, networking, software development cycles and human-computer interaction. Also listed as CS-360.

SE-370 Program Development Under Unix **Credits: 3**
Prerequisite(s): CS-176 passed with a grade of C or higher
Term Offered: Fall Term
Course Type(s): None
Introduction to the use of the UNIX operating system and its utilities for incremental and distributed program development, maintenance, and debugging. The course covers the UNIX shell, utilities, and program development tools that are used for large projects involving multiple developers on multiple machines. Three hours per week.

SE-398 Special Topics in Software Engineering **Credits: 3**
Course Type(s): None
A 300-level intensive study of a particular subject or problem in software engineering to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. Three or four hours per week. If a prerequisite is required it will be announced in the course schedule.

SE-399 Independent Study in Software Engineering **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
Independent Study of a particular subject or problem in software engineering under the guidance of a software engineering faculty member. Prior permission of the directing professor and department chair is required to take this course.

SE-402 Human Computer Interaction **Credits: 3**
Term Offered: Spring Term
Course Type(s): IM
Covers basic human psychology, computer technology, and the interface between them. The key topics of HCI are examined, grounded in the context of usability and the design lifecycle.

SE-403 Software Process Improvement **Credits: 3**
Prerequisite(s): CS-205
Term Offered: Spring Term
Course Type(s): None
Students will be introduced to the various aspects related to software processes. It will focus on the definition and modeling of a software process, as well as on methods for process assessment and improvement. The concepts will be illustrated through process-improvement case studies, followed by hands-on experience with the improvement of the personal software-development process.

SE-418 Software Project Management **Credits: 3**
Prerequisite(s): CS-176; and EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): WT
Project management and its application to software-development projects. Emphasis will be on planning, organizing, monitoring, and controlling. Students will learn how to develop work breakdown structures, estimate task durations, assign resources, specify network precedence, and determine a project's critical path. Methods for scheduling in the face of resource constraints will be included, as well as function point counting, algorithmic models for estimating total project cost, and software tools for project planning and monitoring.

SE-450 Cyber Security **Credits: 3**
Prerequisite(s): CS-205
Term Offered: Fall Term
Course Type(s): None
Cover fundamental theory and practice of cyber security. Review cryptographic tools used to provide security, such as shared key encryption; public key encryption, key exchange, authentication, digital signature, and intrusion detection. Learn implementation of secure mechanisms in object-oriented programming languages. Also listed as CS-450.

SE-451 Applied Computer Security **Credits: 3**
Prerequisite(s): CS-450 or SE-450
Term Offered: Spring Term
Course Type(s): None
This course will introduce students to multiple aspects of computer security and practice into a series of well-defined security topics such as network security and hacking tools. Also, the student will introduce different topics of digital forensics. Also listed as CS-451.

SE-485A Software Practicum **Credits: 3**
Prerequisite(s): CS-205, SE-205, SE-207, SE-312, SE-357 and SE-358 All passed with a grade of C or higher.
Term Offered: Fall Term
Course Type(s): EX5, RD
Team work on substantial software projects submitted by corporate sponsors. Interim progress reports required, with a final formal defense and presentation to corporate staff, faculty, and other students in the course. At the end of SE-485A, students must submit their software engineering portfolio for review by the Software Engineering faculty.

SE-485B Software Practicum **Credits: 3**
Prerequisite(s): SE-485A
Co-requisite(s): SE-402
Term Offered: Spring Term
Course Type(s): EX5, RD
Team work on substantial software projects submitted by corporate sponsors. Interim progress reports required, with a final formal defense and presentation to corporate staff, faculty, and other students in the course. At the end of SE-485B, students must submit their software engineering portfolio for review by the Software Engineering faculty.

SE-498 Special Topics in Software Engineering **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
A 400-level intensive study of a particular subject or problem in software engineering to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. Three or four hours per week. If a prerequisite is required it will be announced in the course schedule.

SE-499 Independent Study in Software Engineering **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
Independent Study of a particular subject or problem in software engineering under the guidance of a software engineering faculty member. Prior permission of the directing professor and department chair is required to take this course.

B.A. in Computer Science (CS.BA)

Code	Title	Credits
Major Requirements/Computer Science (54 credits)		
CS-104	Introduction to Problem Solving and Software Development	3
(Satisfies Technological Literacy (TL) in General Education)		
CS-175	Introduction to Computer Science I	3
CS-175L	Introduction to Computer Science I lab	1
CS-176	Introduction to Computer Science II	3
CS-176L	Introduction to Computer Science II Lab	1
CS-205	Data Structures and Algorithms	3
CS-205L	Data Structures and Algorithms Lab	1
CS-286	Computer Architecture I	3
CS-305	Advanced Computing	3
CS-325	Software Engineering Concepts	3
CS-310	Advanced Object-Oriented Programming and Design	3
CS-414	Computer Networks	3
CS-432	Database Systems	3
CS-438	Operating Systems Analysis	3
CS-450	Cyber Security	3
CS-492A	Computer Science Senior Project A	3
CS-492B	Computer Science Senior Project B	3
(CS-492A and CS-492B satisfy Reasoned Oral Discourse (RD) in General Education)		
Select 6 credits of Computer Science (CS) courses at the 200-level or higher [1]		6
Select 3 credits of Computer Science (CS) courses at the 400-level or higher (except CS-488 and CS-489)		3
Interdisciplinary Requirements (7 credits)		
MA-130	Applied Discrete Mathematics	3
Select one of the following:		4
MA-109	Pre-Calculus Mathematics	
Select 4 credits of Mathematics (MA) [2]		
(MA-109 or higher satisfies Mathematics in General Education)		
Free Electives (23 credits) [3]		
Select 23 credits of free electives [3]		23
General Education Requirements (36 credits) [4]		
Complete 36 credits as outlined on the General Education table. [4]		36
Total Credits		**120**

1 Except the following courses: CS-288, CS-289, CS-388, CS-389, CS-488, and CS-489

2 *Except MA-100 Quantitative Reasoning and Problem Solving (3 cr.), MA-101 College Algebra (3 cr.)MA-103 Foundations of Elementary Mathematics (3 cr.)MA-105 Mathematical Modeling in the Social Sciences (3 cr.)MA-107 Mathematics in the Arts (3 cr.)MA-120 Introduction to Mathematical Reasoning (4 cr.)MA-130 Applied Discrete Mathematics (3 cr.)MA-203 Foundations of Elementary Mathematics I (3 cr.)MA-204 Foundations of Elementary Mathematics II (3 cr.)MA-237 Programming and Technology in Mathematics (4 cr.)*

3 *Please consult with your advisor regarding the required number of free electives that must be completed.*

4 *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(p. 44) courses must be completed.*

Sequence Chart

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
CS-104 Introduction to Problem Solving and Software Development (Gen*Ed Technological Literacy (TL)	3	CS-175 & 175L	4
Gen*Ed Aesthetics (AT) AR,DA,MU,TH	3	MA-109 Pre-Calculus Mathematics (Gen*Ed Mathematics)	4
HS-xxx Historical Perspectives (HS.SV)	3	Gen*Ed Social Science Survey (SS.SV)	3
Gen*Ed Cultural Diversity (CD) or Global Understanding (GU)	3	Free Elective	3
Semester Credits	**15**	**Semester Credits**	**17**

Second Year			
Fall	**Credits**	**Spring**	**Credits**
CS-176 & 176L	4	CS-286 Computer Architecture I	3
MA-130 Applied Discrete Mathematics	3	CS-205 & 205L	4
Gen*Ed Historical Perspectives (HS.SV) or Social Science Survey (SS.SV)	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
Gen*Ed Natural Science (NS) BY,CE,PH,SC,PL	3	Free Elective	6
EN-2xx Gen*Ed Literature (LIT)	3		
Semester Credits	**16**	**Semester Credits**	**16**
Third Year			
Fall	**Credits**	**Spring**	**Credits**
CS-310 Advanced Object-Oriented Programming and Design	3	CS-2xx+ Computer Science Elective	3
CS-305 Advanced Computing	3	Free Elective	4
CS-325 Software Engineering Concepts	3	CS-414 Computer Networks	3
CS-432 Database Systems	3	CS-438 Operating Systems Analysis	3
		FO-xxx Gen*Ed World Lanaguage	3
Semester Credits	**12**	**Semester Credits**	**16**
Fourth Year			
Fall	**Credits**	**Spring**	**Credits**
CS-2xx+ Computer Science Elective	3	CS-400 Computer Science Elective	3
CS-450 Cyber Security	3	CS-492B Computer Science Senior Project B	3
CS-492A Computer Science Senior Project A	3	Free Electives	6
Free Elective (Gen*Ed Experiential Education (ExEd)	1	PR-4xx Gen*Ed Interdisciplinary Perspectives	3
Free Elective	3		
Semester Credits	**13**	**Semester Credits**	**15**

Total Credits 120

B.S. in Computer Science (CS.BS)

Code	Title	Credits
Major Requirements/Computer Science (54 credits)		
CS-104	Introduction to Problem Solving and Software Development	3
(Satisfies Technological Literacy (TL) in General Education)		
CS-175	Introduction to Computer Science I	3
CS-175L	Introduction to Computer Science I lab	1
CS-176	Introduction to Computer Science II	3
CS-176L	Introduction to Computer Science II Lab	1
CS-205	Data Structures and Algorithms	3
CS-205L	Data Structures and Algorithms Lab	1
CS-286	Computer Architecture I	3
CS-305	Advanced Computing	3
CS-310	Advanced Object-Oriented Programming and Design	3
CS-325	Software Engineering Concepts	3
CS-414	Computer Networks	3
CS-432	Database Systems	3
CS-438	Operating Systems Analysis	3
CS-450	Cyber Security	3
CS-492A	Computer Science Senior Project A	3
CS-492B	Computer Science Senior Project B	3
(CS-492A and CS-492B satisfy Reasoned Oral Discourse (RD) in General Education)		
Select 6 credits of Computer Science (CS) at the 200-level or higher [1]		6
Select 3 credits of Computer Science (CS) at the 400-level or higher (except CS-488 and CS-489)		3
Interdisciplinary Requirements (31 credits)		
MA-125	Calculus with Analytic Geometry I	4
MA-126	Calculus with Analytic Geometry II	4
MA-130	Applied Discrete Mathematics	3
MA-220	Probability and Statistics I	3
MA-350	Computation and Statistics	3
(Any of the Math courses satisfy the Mathematics requirement in General Education)		
Select 8 credits from ONE of the following Groups:		8
(Science courses listed below satisfy Natural Science (NS) in General Education)		
Group A		
CE-111/111L	General Chemistry I	
CE-112/112	General Chemistry II	
Group B		
PH-211/211	General Physics with Calculus I	
PH-212/212	General Physics with Calculus II	
Group C		
BY-109 & BY-110	Introduction to Ecology and Evolution and Introduction to Cell and Molecular Biology	
Select 3 credits from the following courses:		3
PR-407	Morality and Community	
PR-432	Ethics and Professionalism in Science and Engineering	
PR-449	The Helping Professions in Film and Media	
PR-457	Issues in Cognitive Science	
PR-460	How Technology Affects Values	
Select one of the following:		3
PH-311	Theoretical Physics	
PH-312	Modern Physics	
BY-201	Introduction to Biotechnology	
BY-205	Zoology	
BY-214	Botany	
BY-220	Environmental Biology and Policy	
BY-221	Introduction to Global Sustainability	
MA-311	Differential Equations	
MA-318	Combinatorics and Graph Theory	
MA-221	Linear Algebra	
MA-225	Calculus with Analytic Geometry III	
MA-320	Probability and Statistics II	
Free Electives (5 credits) [2]		
Select 5 credits of free electives [2]		5
General Education Requirements (30 credits) [3]		

Complete 30 credits as outlined on the General Education table [3]	30
Total Credits	**120**

[1] Except the following courses: CS-288, CS-289, CS-388, CS-389, CS-488, CS-489, CS-212, CS-222, CS-302, CS-312, CS-316, CS-320, CS-322, and CS-330

[2] *Please consult with your advisor regarding the required number of free electives that must be completed.*

[3] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(p. 44) courses must be completed.*

Note:

- 54 credits must be completed at the 200-level or higher.

Sequence Chart

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
CS-104 Introduction to Problem Solving and Software Development (Gen*Ed Technological Literacy (TL))	3	CS-175 & 175L	4
Gen*Ed Aesthetics (AT) AR,DA,MU,TH	3	MA-109 Pre-Calculus Mathematics (Gen*Ed Mathematics)	4
Gen*Ed Historical Perspectives (HS.SV)	3	Gen*Ed Historical Perspective (HS.SV) or Social Science Survey (SS.SV)	3
Gen*Ed Cultural Diversity (CD) or Global Understanding (GU)	3	Free Elective	3
Semester Credits	**15**	**Semester Credits**	**17**

Second Year

Fall	Credits	Spring	Credits
CS-176 & 176L	4	CS-205 & 205L	4
MA-125 Calculus with Analytic Geometry I	4	CS-286 Computer Architecture I	3
MA-130 Applied Discrete Mathematics	3	MA-126 Calculus with Analytic Geometry II	4
Gen*Ed Social Science Survey (SS.SV)	3	EN-2xx Gen*Ed Literature (LIT)	3
Semester Credits	**14**	**Semester Credits**	**14**

Third Year

Fall	Credits	Spring	Credits
CS-305 Advanced Computing	3	CS-310 Advanced Object-Oriented Programming and Design	3
CS-325 Software Engineering Concepts	3	CS-414 Computer Networks	3
CS-432 Database Systems	3	CS-2xx+ Computer Science Elective	3
MA-220 Probability and Statistics I	3	FO-xxx Gen*Ed World Lanaguage	3
Outside the Major Lab Science (Gen*Ed Natural Science (NS) BY,CE,PH)	4	Outside Major Lab Science (Gen*Ed Natural Science (NS) BY,CE,PH)	4
Semester Credits	**16**	**Semester Credits**	**16**

Fourth Year

Fall	Credits	Spring	Credits
CS-2xx+ Computer Science Elective	3	CS-4xx Computer Science Elective	3
CS-450 Cyber Security	3	Outside the Major Math/Science Requirement (BY,CE,PH,MA) See curriculum chart	3
CS-492A Computer Science Senior Project A (Gen*Ed Reasoned Oral Discourse)	3	PR-4xx Gen*Ed Interdisciplinary Perspectives (ISP)	3
MA-350 Computation and Statistics	3	CS-438 Operating Systems Analysis	3
Free Elective (Gen*Ed Experiential Education (EX)	1	CS-492B Computer Science Senior Project B	3
Semester Credits	**13**	**Semester Credits**	**15**

Total Credits 120

B.S. in Software Engineering (SE.BS)

Code	Title	Credits
Major Requirements/Software Engineering (36 credits)		
SE-205	Requirements Engineering and Specifications	3
SE-207	Software Design and Architecture	3
SE-306	Formal Methods in Software Engineering	3
SE-312	Software Verification, Validation, and Maintenance	3
SE-357	Engineering Full-Stack Software Applications	3
SE-358	Software Frameworks	3
SE-402	Human Computer Interaction	3
SE-403	Software Process Improvement	3
SE-450	Cyber Security	3
Practicum		
SE-485A	Software Practicum	3
SE-485B	Software Practicum	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
Select 3 credits of Software Engineering Electives from the Following Courses:		3
SE-301	Android Application Development	
SE-337	Enterprise Mobile iOS Apps Design and Development	
SE-352	Embedded and Real-Time Software	
SE-353	Comparative Languages	
SE-360	Introduction to Game Development	
SE-370	Program Development Under Unix	
SE-418	Software Project Management	
SE-451	Applied Computer Security	
Interdisciplinary Requirements (55 credits)		
Select 3 credits from the following:		3
BE-201	Microeconomics	
GIS-224	Introduction to Geographic Information Systems (GIS)	
(Satisfies Social Science Survey (SS.SV) in General Education)		

CS-104	Introduction to Problem Solving and Software Development	3
(Satisfies Technological Literacy (TL) in General Education)		
CS-175	Introduction to Computer Science I	3
CS-175L	Introduction to Computer Science I lab	1
CS-176	Introduction to Computer Science II	3
CS-176L	Introduction to Computer Science II Lab	1
CS-205	Data Structures and Algorithms	3
CS-205L	Data Structures and Algorithms Lab	1
CS-286	Computer Architecture I	3
CS-438	Operating Systems Analysis	3
MA-130	Applied Discrete Mathematics	3
(Satisfies Mathematics in General Education)		
MA-125	Calculus with Analytic Geometry I	4
MA-126	Calculus with Analytic Geometry II	4
MA-220	Probability and Statistics I	3
Select 3 credits from the following:		3
PR-407	Morality and Community	
PR-432	Ethics and Professionalism in Science and Engineering	
PR-449	The Helping Professions in Film and Media	
PR-457	Issues in Cognitive Science	
PR-460	How Technology Affects Values	
(Any Perspectives (PR) course listed above satisfies the Interdisciplinary Perspectives (ISP) in General Education)		
PH-211	General Physics with Calculus I	3
PH-211L	General Physics with Calculus I Laboratory	1
PH-212	General Physics with Calculus II	3
PH-212L	General Physics with Calculus II Laboratory	1
(Physics courses satisfy Natural Science (NS) in General Education)		
Select 6 credits from the following Math/Science courses:		6
MA-221	Linear Algebra	
MA-225	Calculus with Analytic Geometry III	
MA-311	Differential Equations	
MA-318	Combinatorics and Graph Theory	
MA-350	Computation and Statistics	
CE-111 & 111L	General Chemistry I and General Chemistry I Laboratory (Lab courses are 1 credit each)	
CE-112 & 112L	General Chemistry II and General Chemistry II Laboratory (Lab courses are 1 credit each)	
BY-109	Introduction to Ecology and Evolution	
BY-110	Introduction to Cell and Molecular Biology	
PH-311	Theoretical Physics	
PH-312	Modern Physics	
Free electives (5 credits) [1]		
Select 5 credits of free electives [1]		5
General Education Requirements (24 credits) [2]		
Complete 24 credits as outlined on the General Education table. [2]		24
Total Credits		**120**

[1] *Please consult with your advisor regarding the required number of free electives that must be completed.*

[2] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(p. 44) courses must be completed.*

Note

- 54 credits must be completed at the 200 level or higher.

Sequence Chart

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
CS-104 Introduction to Problem Solving and Software Development (Gen*Ed Technological Literacy (TL))	3	CS-175 & 175L	4
Gen*Ed Aesthetics (AT) AR,DA,MU,TH	3	MA-130 Applied Discrete Mathematics (Gen*Ed Mathematics)	3
Gen*Ed Historical Perspectives (HS.SV)	3	Gen*Ed Historical Perspectives (HS.SV) or Social Science Survey (SS.SV)	3
		FO-xxx Gen*Ed World Language	3
Semester Credits	**12**	**Semester Credits**	**16**

Second Year

Fall	Credits	Spring	Credits
MA-125 Calculus with Analytic Geometry I	4	CS-205 & 205L	4
CS-176 & 176L	4	MA-126 Calculus with Analytic Geometry II	4
SE-205 Requirements Engineering and Specifications	3	CS-286 Computer Architecture I	3
BE-201 Microeconomics or GIS 224 (Gen*Ed Social Science Survey (SS.SV))	3	SE-207 Software Design and Architecture	3
EN-2xx Gen*Ed Literature (LIT)	3	Gen*Ed Cultural Diversity (CD) or Global Understanding (GU)	3
Semester Credits	**17**	**Semester Credits**	**17**

Third Year

Fall	Credits	Spring	Credits
SE-312 Software Verification, Validation, and Maintenance	3	SE-358 Software Frameworks	3
SE-357 Engineering Full-Stack Software Applications	3	SE-403 Software Process Improvement	3
MA-220 Probability and Statistics I	3	PH-212 & 212L	4
PH-211 & 211L	4	SE-xxx Software Engineering Elective	3
Free Elective	2		
Semester Credits	**15**	**Semester Credits**	**13**

Fourth Year

Fall	Credits	Spring	Credits
SE-306 Formal Methods in Software Engineering	3	SE-402 Human Computer Interaction	3
SE-450 Cyber Security	3	SE-485B Software Practicum	3
Math/Science Elective (See curriculum chart)	3	CS-438 Operating Systems Analysis	3

Free Elective	3	Math/Science Elective (see curriculum chart)	3
SE-485A Software Practicum	3	PR-4xx Gen*Ed Interdisciplinary Perspectives (ISP)	3
Semester Credits	**15**	**Semester Credits**	**15**

Total Credits 120

Certificate in Information Technology (CERT.IT)

Code	Title	Credits
Requirements (15 credits)		
Any TL (Technological Literacy) Course		3
Select one of the following:		3
IT-200	Advanced Information Technology	
IT-275	Data Analytics for Web Applications	
IT-250	Web Application Design	3
IT-300	Web Programming	3
IT-450	Information Systems Project Management	3
Total Credits		**15**

Minor in Computer Science (MIN.CS)

Code	Title	Credits
CS-175	Introduction to Computer Science I	3
CS-175L	Introduction to Computer Science I lab	1
CS-176	Introduction to Computer Science II	3
CS-176L	Introduction to Computer Science II Lab	1
CS-205	Data Structures and Algorithms	3
CS-205L	Data Structures and Algorithms Lab	1
CS-286	Computer Architecture I	3
or CS-325	Software Engineering Concepts	
Electives (6 credits)		
Select 3 credits from CS at the 200 level and above		3
Select 3 credits from CS at the 300 level and above		3
Total Credits		**21**

Note

- Not available to Computer Science majors

Minor in Information Technology (MIN.IT)

Code	Title	Credits
Any TL (Technological Literacy) Course		3
Select one of the following:		3
IT-200	Advanced Information Technology	
IT-275	Data Analytics for Web Applications	
IT-250	Web Application Design	3
IT-300	Web Programming	3
IT-450	Information Systems Project Management	3
Total Credits		**15**

Mathematics

Chair: Susan Marshall, Department of Mathematics

The Bachelor of Science curriculum in mathematics is designed to provide an introduction to classical and modern mathematics and to provide a foundation for graduate study or careers in various areas of application.

The Concentration in Statistics gives students both a strong foundation in mathematics and specialized, advanced knowledge in pure and applied statistics. Students will be well prepared to enter data analysis and statistics fields, as well as graduate statistics programs.

Programs

Majors

- Bachelor of Science in Mathematics (p. 272)
- Bachelor of Science in Mathematics with a Concentration in Statistics (p. 275)
- Bachelor of Science in Mathematics and Education with Endorsements in Elementary and Teacher of Students with Disabilities (p. 273)
- Bachelor of Science in Mathematics and Education with Endorsement in Secondary Education in Mathematics (p. 274)

Minors

- Mathematics (p. 276)
- Statistics (p. 276)

Faculty

Richard Bastian, Senior Lecturer. B.S., City College of New York; M.S., Columbia University; Ph.D., Johns Hopkins University. Interests include applied mathematics, mathematics and culture, and philosophy of mathematics.
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Joseph Coyle, Professor.
Interim Dean, School of Science. B.S., Miami University; M.S., Ph.D., University of Delaware. Interests include numerical analysis and inverse problems.
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David Marshall, Associate Professor. B.A., California State University at Fullerton; Ph.D., University of Arizona. Interests include number theory, commutative algebra, and the theory of bilinear and quadratic forms.
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Susan Marshall, Associate Professor and Chair. B.S. Wake Forest University; Ph.D., University of Arizona. Interests include number theory, arithmetic geometry, and the learning and teaching of proof.
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Emanuel Palsu-Andriescu, Lecturer. B.S., M.S., Al.I., Cuza University, Romania; Ph.D., University of Rochester. Interests include microlocal

analysis, Colombeau generalized fundtions, and Fourier integral operators.
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Wai Kong Pang, Associate Professor. B.S., Brigham Young University; M.S., Ph.D., Texas Tech University. Interests include functional data analysis, and multi-sample problems in Hilbert spaces.
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Laura Turner, Associate Professor. B.S., Acadia University, M.S., Simon Fraser University; Ph.D., Aarhus University. Interests include the history of matematics, especially 19th and 20th centuries.
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Francis Valliquette, Associate Professor. B.S., M.S., Universite de Montreal; M.S., Ph.D., University of Minnesota. Research interests lie at the interface of applied mathematics, differential geometry, and discrete geometry. In particular, Dr. Valliquette is interested in the theory of transformation groups and their applications to differential equations and their finite difference approximations.
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Sandra Zak, Lecturer. B.A., M.A., San Diego State University; Ph.D., University of New Hampshire. Interests include operator algebras, C*-algebras, curriculum development, and the mathematical preparation of teachers.
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Courses

MA-050 Pre-Algebra Mathematics **Credits: 3**
Term Offered: All Terms
Course Type(s): None
The language of mathematics, terms and symbols, the real number system, arithmetic operations on real numbers, including exponents and roots, emphasis on fractions and decimals, and evaluation of expressions. Special topics on divisibility, figurate numbers, and introduction to college algebra. Three hours per week, plus mandatory attendance with mathematics lab. This course cannot be used to satisfy graduation requirements.

MA-100 Quantitative Reasoning and Problem Solving **Credits: 3**
Prerequisite(s): MA-050 passed with a grade of C- or higher or MA-LVL2 passed with a grade of P
Term Offered: All Terms
Course Type(s): None
Basic mathematical concepts studied through solving problems in collaborative groups; examination of decision-making and problem-solving techniques and various formats for representing quantitative information.

MA-101 College Algebra **Credits: 3**
Prerequisite(s): MA-050 passed with a grade of C- or higher or MA-LVL2 or MA-LVL3 or MA-LVL4 passed with a grade of P
Term Offered: All Terms
Course Type(s): None
The axioms and properties of the real number system. Manipulating expressions representing quantities; functions and their representations as rules, graphs or tabulations; linear and polynomial functions; zero, factoring techniques, and graphical properties of polynomials; the logarithm and exponential; solving systems of equations; sequences and summations; and combinations and permutations. Calculators required for selected topics. This course cannot be used in satisfaction of the general education mathematics requirement.

MA-103 Foundations of Elementary Mathematics **Credits: 3**
Prerequisite(s): MA-050 passed with a grade of C- or higher or 3 credits in Math
Term Offered: Spring Term
Course Type(s): None
Careful examination of mathematical ideas behind the mathematics taught in grades K-8, and their history and applications to daily life. Intended primarily for future elementary-school teachers to provide them with a better understanding of the mathematics they will teach. This course will also be of value for any student who wants a better understanding of these ideas. Focus on understanding and exploring the mathematics behind computation through problem solving, projects, group explorations, use of manipulatives, and some use of technology. Topics include: number systems, measurement, probability, statistics, and geometry. Not open to freshmen.

MA-105 Mathematical Modeling in the Social Sciences **Credits: 3**
Prerequisite(s): MA-050 passed with a grade of C- or higher or MA-LVL2 or MA-LVL3 passed with a grade of P
Term Offered: All Terms
Course Type(s): None
Exploration and aspects of algebra, mathematical modeling, and data analysis, which are important in the social sciences. Topics include: an introduction to data, the use of variables, assorted kinds of graphs to represent data, the concept of function, the problem of fitting functions to data, representing change over time, rates of change, linear functions and linear models, piecewise-linear functions, and an introduction to non-linear functions. Pedagogical methods to be used include: projects using real data, computer explorations, and group work. MA-LVL4 may not take this course.

MA-107 Mathematics in the Arts **Credits: 3**
Prerequisite(s): MA-050 or MA-LVL2 or MA-LVL3 or MA-LVL4 passed with a grade of P
Term Offered: Spring Term
Course Type(s): None
Study of artistic design in architecture, painting, sculpture, and crafts; math of music.

MA-109 Pre-Calculus Mathematics **Credits: 4**
Prerequisite(s): MA-101 passed with a grade of C- or higher or MA-LVL3 or MA-LVL4 passed with a grade of P
Term Offered: All Terms
Course Type(s): None
The real number system, algebraic expressions, exponents, radicals, solution of equations, solutions of inequalities, functions, graphing of functions, and trigonometry. Not open to students who have successfully completed MA-125.

MA-115 Pre-Calculus Modeling for the Biological Sciences Credits: 3
Prerequisite(s): MA-101 passed with a grade of C- or higher or MA-LVL 3 or MA-LVL4 passed with a grade of P
Term Offered: All Terms
Course Type(s): None
Provides a development of an understanding of linear, exponential, logarithmic, polynomial and trigonometric functions related to biological phenomena. The development is from an algebraic, graphical and modelling perspective. In addition, the solutions of equations and inequalities related to these functions are studied. Use of related technology is included.

MA-116 Calculus for the Biological Sciences Credits: 3
Prerequisite(s): MA-115 or MA-109 passed with a grade of C- or higher or MA-LVL4 passed with a grade of P
Term Offered: All Terms
Course Type(s): None
Introduction to calculus, from a primarily graphical perspective, through applications to biological and ecological phenomena. Topics include: differentiation, integration, and differential equations.

MA-117 Quantitative Analysis for Business I Credits: 3
Prerequisite(s): MA-101 or MA-105 passed with a grade of C- or higher or MA-LVL3 or MA-LVL4 passed with a grade of P
Term Offered: All Terms
Course Type(s): None
Linear equations and models, systems of linear equations and applications, matrices and techniques for solving systems of equations, linear programming and applications, quadratic functions and models, and exponential and logarithmic models. A computer laboratory component is incorporated. Designed for students majoring in Business Administration; other students by permission of the Mathematics Department.

MA-118 Quantitative Analysis for Business II Credits: 3
Prerequisite(s): MA-117 passed with a grade of C- or higher, or permission of the department
Term Offered: All Terms
Course Type(s): None
Functions, limits, continuity, polynomial calculus, including optimization models, anti-derivatives, area and applications to business models; introduction to probability and statistics as applied to business models.

MA-120 Introduction to Mathematical Reasoning Credits: 4
Prerequisite(s): MA-101 passed with a grade of C- or higher or MA-LVL3 or MA-LVL4 passed with a grade of P
Term Offered: All Terms
Course Type(s): None
Introduction to reasoning, proof, and exposition in mathematics. Topics include: Boolean logic, set theory, counting techniques, functions, mathematical induction, permutations, and the proofs of various elementary theorems.

MA-125 Calculus with Analytic Geometry I Credits: 4
Prerequisite(s): MA-109 or MA-115 passed with a grade of C- or higher or MA-LVL4 passed with a grade of P
Term Offered: All Terms
Course Type(s): None
Functions, limits, continuity, and the differential and integral calculus of algebraic, trigonometric, and exponential functions.

MA-126 Calculus with Analytic Geometry II Credits: 4
Prerequisite(s): MA-125 passed with a grade of C- or higher
Term Offered: All Terms
Course Type(s): None
Functions, limits, continuity, and the differential and integral calculus of algebraic, trigonometric, exponential functions.

MA-130 Applied Discrete Mathematics Credits: 3
Prerequisite(s): MA-109 passed with a grade of C- or higher or MA-LVL4 passed with a grade of P
Term Offered: All Terms
Course Type(s): None
Introduction to reasoning, proof, and exposition in mathematics. Topics include: Boolean logic, set theory, counting techniques, functions, mathematical induction, permutations, and the proofs of various elementary theorems.

MA-151 Statistics with Applications Credits: 3
Prerequisite(s): MA-101 or MA-105 passed with a grade of C- or higher or MA-LVL3 or MA-LVL4 passed with a grade of P
Term Offered: All Terms
Course Type(s): None
Analysis of data, probability, random variables, normal distribution, sampling theory, confidence intervals, and statistical inference. Not open to computer science majors or to students required to complete MA-125, except software engineering majors.

MA-198 Special Topics in Mathematics (100 Level) Credits: 1-3
Term Offered: Spring Term
Course Type(s): None
An intensive study of a particular subject or problem in mathematics to be announced prior to registration. The course may be conducted on either a lecture-discussion or a seminar basis. If there is a prerequisite for this course it will be announced in the course schedule.

MA-199 Independent Study in Mathematics Credits: 3
Term Offered: All Terms
Course Type(s): None
Independent study in a topic not substantially treated in a regular mathematics course; for students with superior ability; weekly consultation required. Prior permission of the directing professor and department chair is required to take this course.

MA-203 Foundations of Elementary Mathematics I Credits: 3
Prerequisite(s): MA-050 or MA-LVL2 or MA-LVL3 or MA-LVL4 passed with a grade of P
Term Offered: All Terms
Course Type(s): None
Careful examination of mathematical ideas behind the mathematics taught in grades K-6, their history, and applications to daily life. Intended primarily for future elementary-school teachers to provide them with a better understanding of the mathematics they will teach. This course, along with MA-204, Foundations of Elementary Mathematics II, will also be of value for any student who wants a better understanding of these ideas. Focus on understanding and exploring mathematics through problem solving, projects, group explorations, use of manipulatives, and some use of technology. MA-203 concentrates on problem solving, whole number arithmetic and theory, discrete math, integers, fractions, decimals, and algebraic concepts. MA-203 does not count toward the mathematics major or minor requirements. Students who take MA-203 are not eligible to take MA-205. Prerequisite: MA-050 or MA-LVL2 or MA-LVL3 or MA-LVL4 passed with a grade of P

MA-204 Foundations of Elementary Mathematics II **Credits: 3**
Prerequisite(s): MA-203 passed with a grade of C- or higher
Term Offered: All Terms
Course Type(s): None
Careful examination of mathematical ideas behind the mathematics taught in grades K-6, their history and applications to daily life. Intended primarily for future elementary-school teachers to provide them with a better understanding of the mathematics they will teach. This course, along with MA-203, Foundations of Elementary Mathematics I, will also be of value for any student who wants a better understanding of these ideas. Focus on understanding and exploring mathematics through problem solving, projects, group explorations, use of manipulatives, and some use of technology. Topics in MA-204 include: fractions, ratios and percent, data analysis, counting and probability, geometry of shape, measurement, and measurement geometry (perimeter, area, surface area, volume). MA-204 does not count toward the mathematics major or minor requirements. Students who have taken MA-204 are not eligible to take MA-207.

MA-205 Number Systems **Credits: 3**
Prerequisite(s): MA-050 or MA-LVL2 or MA-LVL3 or MA-LVL4 passed with a grade of P
Term Offered: Fall Term
Course Type(s): None
Careful examination of mathematical ideas behind the mathematics taught in grades K-6, and their history and applications in daily life. Intended primarily for future elementary school teachers to provide them with a better understanding of the underlying concepts of the mathematics they will teach. MA-205 concentrates on the various number systems of school mathematics: whole numbers, integers, fractions, decimals. It does this by examining, in other number bases, standard algorithms for addition, subtraction, multiplication and division, as well as alternative algorithms in base ten, including student-generated algorithms. The course will focus on developing educators' conceptual understanding and exploring the mathematics through problem solving, projects, group explorations, and use of manipulatives as practices for mathematics instruction. MA-205 does not count towards the mathematics major or minor requirements. Students who have taken MA-205 are not eligible to take MA-203.

MA-206 Algebraic Thinking, Probability and Statistics **Credits: 3**
Prerequisite(s): MA-205 passed with a grade of C- or higher
Term Offered: Spring Term
Course Type(s): None
Careful examination of mathematical ideas behind the mathematics taught in grades K-6, and their history and applications to daily life. Intended primarily for future elementary school teachers to provide them with a better understanding of the underlying concepts of the mathematics they will teach. MA-206 concentrates on the algebraic thinking, probability and statistics. It develops algebraic thinking by extending concepts from Number Systems (MA-205) via problem-solving, proportional relationships, pattern-recognition, generalization and identities. Probability introduces key concepts from discrete mathematics and applies proportional relationships. Statistics involves systematic organization of data. The course will focus on developing educators' conceptual understanding and exploring the mathematics through problem solving, projects, group explorations, and use of manipulatives as practices for mathematics instruction. MA-206 does not count towards the mathematics major or minor requirements.

MA-207 Elementary Geometry **Credits: 3**
Prerequisite(s): MA-205 passed with a grade of C- or higher
Term Offered: Fall Term
Course Type(s): None
Careful examination of mathematical ideas behind the mathematics taught in grades K-6, and their history and applications to daily life. Intended primarily for future elementary school teachers to provide them with a better understanding of the mathematics they will teach. This is an activity-centered course. Content will focus on geometric shapes, motions and change, length, area and volume and their measurement. There is an emphasis on understanding a variety of problem solving strategies, conjectures, reasoning, mathematical representations including manipulatives, and communicating. MA-207 does not count toward the mathematics major or minor requirements. Students who take MA-207 are not eligible to take MA-204.

MA-220 Probability and Statistics I **Credits: 3**
Prerequisite(s): MA-116 or MA-118 or MA-126 passed with a grade of C- or higher
Term Offered: All Terms
Course Type(s): None
To provide an axiomatic, calculus-based approach to probability and introductory statistics. The course is built around the process of performing a statistical analysis; posing the question, collecting the data, describing the data, analyzing and modeling the data, and drawing inferences from the data regarding the original question. Specific topics covered include sampling, descriptive analysis of data, probability, random variables, discrete and continuous distributions, expectation, confidence intervals, one sample hypothesis testing, chi-square analyses, correlation and regression.

MA-221 Linear Algebra **Credits: 3**
Prerequisite(s): MA-120 or MA-130; and MA-125 passed with a grade of C- or higher
Term Offered: All Terms
Course Type(s): None
Systems of equations, matrix algebra, linear transformations, Eigenvectors, linear programming, and computational methods.

MA-225 Calculus with Analytic Geometry III **Credits: 4**
Prerequisite(s): MA-126 passed with a grade of C- or higher
Course Type(s): None
Infinite series, partial differentiation, multiple integration, and associated solid analytic geometry.

MA-237 Programming and Technology in Mathematics **Credits: 4**
Prerequisite(s): MA-120 and MA-126 both passed with a grade of C- or higher
Co-requisite(s): MA-311 or MA-221 or MA-225
Term Offered: All Terms
Course Type(s): TL
Provides an introduction to the use of technology as it applies to mathematics. A major component of the course will be to build a solid foundation in the skills needed to apply mathematical concepts to programming. In addition, the use of technology in presentations, scholarly searches, and its role and limitations in computer and Internet security will be covered. Students will gain an appreciation of the important ethical and social issues involving the use of technology.

MA-298 Special Topics in Mathematics (200 Level) Credits: 1-3
Term Offered: Spring Term
Course Type(s): None
An intensive study of a particular subject or problem in mathematics to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

MA-299 Independent Study in Mathematics Credits: 3
Term Offered: All Terms
Course Type(s): None
Independent study in a topic not substantially treated in a regular mathematics course; for students with superior ability; weekly consultation required. Prior permission of the directing professor and department chair is required to take this course.

MA-301 Careers in Mathematics Seminar Credits: 1
Prerequisite(s): MA-220 and MA-221
Term Offered: Fall Term
Course Type(s): None
An orientation to career opportunities and graduate level programs and degrees available to students with a background in mathematics and statistics.

MA-305 Mathematical Problem Solving Credits: 3
Prerequisite(s): MA-205, MA-206, and MA-207 all passed with a grade of C- or higher
Term Offered: Spring Term
Course Type(s): WT
The final mathematics course in the four- course sequence for future elementary school teachers. Designed to strengthen their mathematical content knowledge, problem solving skills, conceptual understanding and ability to communicate about mathematics, through the investigation of mathematically challenging problems. Problems will require creative thinking and utilization of past content knowledge in new situations. Students will work in groups and individually, and write up their solutions. This course does not count towards the mathematics major or minor requirement.

MA-311 Differential Equations Credits: 3
Prerequisite(s): MA-126 and MA-221 both passed with a grade of C- or higher
Term Offered: Fall Term
Course Type(s): None
Designed to provide students with the fundamentals of differential equations. The topics include elementary methods of solution, nth order linear equations, systems of linear equations, Laplace transform methods, numerical solutions, and initial and boundary value problems.

MA-312 Numerical Analysis Credits: 3
Prerequisite(s): MA-126 and MA-221 passed with a grade of C- or higher
Term Offered: All Terms
Course Type(s): None
The main objective of the course is to develop a basic understanding in the construction and analysis of processes used to solve mathematical problems with the aid of a computer. The focus will be on leveraging the mathematical framework to achieve efficient and accurate numerical algorithms. The course also includes exposure to basic programming techniques in the context of implementing several of the algorithms as well as exposure to various applications of mathematics.

MA-314 Number Theory Credits: 3
Prerequisite(s): MA-120 and MA-221 both passed with a grade of C- or higher and EN-101 and EN-102, or permission of the instructor
Term Offered: All Terms
Course Type(s): RD
Properties of integers, divisibility, prime numbers, congruence, and Diophantine equations.

MA-317 Geometry Credits: 3
Prerequisite(s): MA-120 and either MA-221 or MA-225 passed with a grade of C- or higher
Term Offered: All Terms
Course Type(s): None
Study of Euclid's axioms, fifth postulate and its substitutes, absolute geometry, projective geometry, constructions, and convexity.

MA-318 Combinatorics and Graph Theory Credits: 3
Prerequisite(s): MA-120 or MA-130 or CS-202 passed with a grade of C- or higher, and MA-221 passed with a grade of C- or higher
Term Offered: Spring Term
Course Type(s): None
Combinatorics is the study of countable discrete mathematical structures. Graph theory is the study of mathematical structures involving a collection of objects, known as the vertex set, along with a collection of pairs of vertices, known as the edge set. These two inseparable areas of mathematics are ripe with beautiful theory and endless applications. Students will learn the techniques required to answer questions in these fields, as well as appropriate applications.

MA-320 Probability and Statistics II Credits: 3
Prerequisite(s): MA-116 or MA-118 or MA-126 passed with a grade of C- or higher, MA-151 or BE-251 or MA-220 passed with a grade of C- or higher, EN-101 and EN-102
Term Offered: Spring Term
Course Type(s): WT
A continuation of MA-220, including sample distributions, exploratory data analysis, estimation methods, regression and correlation, as well as applications to quality control.

MA-321 Statistical Consulting Credits: 3
Term Offered: All Terms
Course Type(s): None
Gives students a working knowledge of statistical consulting in the world outside of the classroom by working with real clients. Students will interview clients, translate client needs into statistical language, design statistical experiments, generate data collection plans, assist in data collection, analyze data, interpret their analyses, and present their finding to the client. Throughout the process students will interact with their clients regarding ongoing questions that occur. By the end of the course, students will be able to choose and apply appropriate statistical design and analysis methodologies. They will also be able to interpret, evaluate, and present their conclusions in oral and written form. Topics covered will depend upon client needs and may include designing experiments with power and sample size considerations, multiple and logistic regression, survival analyses, t- and chi-square tests, ANOVA/MANOVA/ANCOVA, and principal component analysis. This course may be repeated once for additional credit to either continue work on a long-term project, or to take part in a new statistical consulting project.

MA-325 History of Mathematics **Credits: 3**
Prerequisite(s): MA-314 or MA-317 or MA-318 passed with a grade of C- or higher, and EN-101 and EN-102
Term Offered: Spring Term
Course Type(s): GU, WT
Surveys historical milestones in the development of mathematics from ancient times to the Nineteenth century, with modern topics as time permits.

MA-327 Design and Analysis of Biological Experiments **Credits: 3**
Prerequisite(s): MA-151 or MA-220 or BE-251 passed with a grade of C or higher or permission of the instructors.
Term Offered: Spring Term
Course Type(s): MEBP
The purpose of this course is to learn about the statistical design & analysis of biological experiments. After learning mathematical techniques of designing experiments, and statistical analyses customized to them, students will be presented with a broad research question by the instructors. Literature surveys will be a critical part of the course to allow students to find pertinent, relevant, potentially publishable biological questions that address a specific aspect of the larger question posed by the instructors. Students will design their own experiment addressing their question, generate their own data collection plan, collect their data, and then analyze their data using statistical techniques taught in class. This course will involve field/lab work for data collection and computer work in the statistical analysis of the final data. Students will defend their question, design and analysis from both a statistical and biological perspective. At the end of the semester students will complete a formal manuscript in journal format. This course can be used to fulfill the Mathematics or Statistics minor and the Bio/MEBP elective. This course is a research based course and students must have demonstrated a strong interest in and potential for research. Also listed as BY-327.

MA-334 Problem Solving Seminar **Credits: 3**
Prerequisite(s): MA-120 or MA-130; and MA-126 all passed with a minimum grade of C- or higher, and permission of the instructor
Course Type(s): None
Problem solving techniques and the ability to use them in applications lie at the core of learning and applying mathematics. The course covers important strategies for solving mathematical problems, most of which are only tangentially studied in the usual mathematics curriculum. The strategies are an assortment of both overarching themes and particular techniques of more limited applicability. Each strategy is covered in a theoretical context followed by implementation to specific problems. Polya's classic framework for the problem solving processes will be referenced and used throughout the course. This course is repeatable for credit.

MA-350 Computation and Statistics **Credits: 3**
Prerequisite(s): MA-116 or MA-118 or MA-126 passed with a grade of C- or higher, and either MA-151 or BE-251 or MA-220 passed with a grade of C- or higher
Term Offered: All Terms
Course Type(s): None
Covers topics related to computational statistics, including obtaining large, realistic, real-time datasets, calculation and visualization of basic statistical features, regression, empirical distributions, and time-series features. Also covered will be principal components analysis (PCA), analysis of variance (ANOVA), correlation, prediction, and stochastic volatility estimation (GARCH). Portfolio theory will also be covered.

MA-380 Research in Mathematics **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
Mathematical or statistical research work carried out under the mentorship of a faculty research advisor. Research conducted by the students will be submitted for presentation, publication or review. The number of credits will be determined by arrangement with the advisor. Three hours/week per credit. This class is repeatable up to six credits total.

MA-388 Cooperative Education: Mathematics **Credits: 3**
Prerequisite(s): MA-311 and MA-220, both passed with a grade of C- or higher if a Mathematics major; or MA-120 and MA-126, both passed with a grade of C- or higher if other major, a cumulative G.P.A. of 2.00 and Junior or Senior standing
Term Offered: Spring Term
Course Type(s): EX2
Affords the student an opportunity to apply mathematical theory to practical work-related experience. Includes both academic and experiential components. Involves ten hours per week of work experience. The academic aspect includes a reflective journal and a written report; repeatable for credit.

MA-389 Internship in Mathematics **Credits: 1-3**
Course Type(s): EX1
Supervised practical experience in math; repeatable for credit. Student must have at least Junior status. Departmental approval is required to take this course.

MA-398 Special Topics in Mathematics (300 Level) **Credits: 1-3**
Term Offered: Spring Term
Course Type(s): None
An intensive study of a particular subject or problem in mathematics to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

MA-399 Independent Study in Mathematics **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Independent study in a topic not substantially treated in a regular mathematics course; for students with superior ability; weekly consultation required. If a prerequisite is required it will be announced in the course schedule.

MA-407 Topology **Credits: 3**
Prerequisite(s): MA-221 and MA-225, both passed with a grade of C- or higher
Term Offered: Spring Term
Course Type(s): None
Topology is the study of the structure of space and is one of the major theoretical areas in modern mathematics. The course serves as both a rigorous foundation for advanced study in the field and as a survey of important techniques established since its inception. After building the necessary framework of point-set topology, the course will move on to selected topics such as the classification of surfaces, knot theory, and algebraic topology.

MA-410 Modern Algebra **Credits: 3**
Prerequisite(s): MA-221, and either MA-314 or MA-317 or MA-318 or MA-407 passed with a grade of C- or higher
Term Offered: Spring Term
Course Type(s): None
Beginning with the natural numbers, the integers and rational numbers are developed. Complex numbers and roots of unity are followed by groups, rings, and polynomials.

MA-411 Group Theory **Credits: 3**
Prerequisite(s): MA-221, and MA-314 or MA-317 or MA-318 or MA-407, both passed with a grade of C- or higher
Course Type(s): None
Group Theory is the study of symmetry, and is one of the core branches of abstract algebra. The course will explore the theory and applications of groups. In addition to covering many examples of groups, course topics will include subgroups, group homomorphisms and isomorphisms, permutations, quotient groups, Sylow Theorems, and the structure of finitely generated abelian groups.

MA-413 Complex Analysis **Credits: 3**
Prerequisite(s): MA-225 and either MA-314 or MA-317 or MA-318 or MA-407 passed with a grade of C- or higher
Term Offered: Spring Term
Course Type(s): None
Complex numbers and plane, functions, derivatives, line integrals, and Cauchy integral theorem. Cauchy's formula, series, applications.

MA-415 Real Analysis **Credits: 3**
Prerequisite(s): MA-225 and either MA-314 or MA-317 or MA-318 or MA-407 passed with a grade of C- or higher and EN-101 and EN-102, or permission of the instructor
Term Offered: All Terms
Course Type(s): WT
Metric spaces, real number system, limits, functions, continuity, differentiation and integration, and counter-examples.

MA-419 Introduction to Mathematical Modeling **Credits: 3**
Prerequisite(s): MA-220, MA-311, MA-221 all passed with a grade of C- or higher; Junior standing, and EN-101 and EN-102, or permission of the instructor
Term Offered: Spring Term
Course Type(s): EX5, WT
Introduction to mathematical modeling, which is a process in which a real-world situation is studied, simplified, and abstracted to the point that mathematical tools can be applied to gain understanding. Introduction to the process, first via a text and mini-projects, then in teams investigating problems from local industries or organizations.

MA-421 Design of Experiments and ANOVA **Credits: 3**
Prerequisite(s): MA-116 or MA-118 or MA-126 passed with a grade of C- or higher and either MA-151 or BE-251 or MA-220 passed with a grade of C- or higher
Term Offered: Fall Term
Course Type(s): None
Provides a working knowledge of multivariate regression and ANOVA methods balanced with the theory underlying these techniques. Intended for students considering a career in statistics, including but not limited to biostatistics, financial mathematics and theoretical statistics. Topics include: an introduction to experimental design, power and effect size calculations, data screening and transformation to meet assumptions of the analyses, multivariate regression, multinomial logistic regression, multivariate survival analysis, ANOVA/ANCOVA/MANOVA/MANCOVA, and time permitting, an introduction to time series analysis. Extensive use is made of real- world case data from business/finance, health/biology, and education/psychology.

MA-440 Regression and Time Series Analysis **Credits: 3**
Prerequisite(s): MA-116 or MA-118 or MA-126 passed with a grade of C- or higher and either MA-151 or MA-220 or BE-251 passed with a grade of C- or higher
Term Offered: All Terms
Course Type(s): None
Covers topics related to multiple regression techniques, including testing the assumptions required for each to be valid. This includes applications to yield curve smoothing, pricing, and investment models, and the use of principal component analysis. Also covered are techniques for the analysis and modeling of time series data and forecasting.

MA-460 Multivariate and Categorical Statistics **Credits: 3**
Prerequisite(s): MA-116 or MA-118 or MA-126 passed with a grade of C- or higher and MA-151 or MA-220 or BE-251 passed with a grade of C- or higher
Term Offered: Spring Term
Course Type(s): None
This advanced statistics course provides students with skills in advanced multivariate analysis and its applications. Students will learn the material through projects using data from business, finance, and biology. Topics include MANOVA, discriminant analysis, cluster analysis, multidimensional scaling, and factor analysis. Topics may also include conjoint analysis, canonical correlation and structural equation modeling.

MA-488 Cooperative Education: Mathematics **Credits: 3**
Prerequisite(s): MA-220 and MA-311 passed with a grade of C- or higher if a Math major
Term Offered: Spring Term
Course Type(s): EX2
Affords the student an opportunity to apply mathematical theory to practical work-related experience. Includes both academic and experiential components. Involves ten hours per week of work experience. The academic aspect includes a reflective journal and a written report; repeatable for credit. Departmental approval is required to take this course. MA-311 and MA-320, both passed with a grade of C- or higher are required, if a mathematics major; or MA-120 and MA-126, passed with a grade of C- or higher, if another major; a cumulative GPA of 2.00 and Junior or Senior standing.

MA-489 Internship in Mathematics **Credits: 1-3**
Course Type(s): EX1
Supervised practical experience in math; repeatable for credit. Departmental approval and Junior standing are required to take this course.

MA-498 Special Topics in Mathematics (400 Level) Credits: 1-3
Prerequisite(s): MA-126 and MA-221 both passed with a grade of C- or higher and Junior standing
Term Offered: Spring Term
Course Type(s): None
An intensive study of a particular subject or problem in mathematics to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

MA-499 Independent Study in Mathematics Credits: 3
Term Offered: All Terms
Course Type(s): None
Independent study in a topic not substantially treated in a regular mathematics course; for students with superior ability; weekly consultation required. Prior permission of the directing professor and department chair is required to take this course.

B.S. in Mathematics (MA.BS)

Code	Title	Credits
Major Requirements/Mathematics (43 credits)		
(Satisfies Mathematics in General Education)		
MA-120	Introduction to Mathematical Reasoning	4
MA-125	Calculus with Analytic Geometry I	4
MA-126	Calculus with Analytic Geometry II	4
MA-221	Linear Algebra	3
MA-225	Calculus with Analytic Geometry III	4
MA-220	Probability and Statistics I	3
MA-415	Real Analysis	3
Select one of the following:		3
MA-314	Number Theory [1]	
MA-317	Geometry	
MA-318	Combinatorics and Graph Theory	
Select one of the following:		3
MA-410	Modern Algebra	
or MA-411	Group Theory	
Select 12 credits from Mathematics (MA) from levels 300+, 400+, AND completing one of the following:		12
MA-314 & MA-410	Number Theory and Modern Algebra	
MA-410 & MA-411	Modern Algebra and Group Theory	
MA-413 & MA-415	Complex Analysis and Real Analysis	
MA-407 & MA-415	Topology and Real Analysis	
MA-311 & MA-419	Differential Equations and Introduction to Mathematical Modeling	
MA-320 & MA-421	Probability and Statistics II and Design of Experiments and ANOVA	
Interdisciplinary Requirements (12-14 credits)		
(Satisfies Natural Sciences in General Education)		
CS-175	Introduction to Computer Science I	3
CS-175L	Introduction to Computer Science I lab [2]	1
or MA-237	Programming and Technology in Mathematics	
Select one of the following groups:		8-10
Group A (8 credits)		
CE-111	General Chemistry I	
CE-111L	General Chemistry I Laboratory	
CE-112	General Chemistry II	
CE-112L	General Chemistry II Laboratory	
Group B (10 credits)		
PH-211	General Physics with Calculus I	
PH-211L	General Physics with Calculus I Laboratory	
PH-212	General Physics with Calculus II	
PH-212L	General Physics with Calculus II Laboratory	
Group C (8 credits)		
BY-109	Introduction to Ecology and Evolution	
BY-110	Introduction to Cell and Molecular Biology	
Free Electives (27-30 credits) [3]		
Complete 27-30 credits of free electives. [3]		27-30
General Education Requirements (36 credits) [4]		
Complete 36 credits as outlined on the General Education table. [4]		36
Total Credits		**120**

1 *If course selection satisfies a General Education requirement, additional free electives may be permitted. See advisor.*
2 *MA-237 fulfills a General Education requirement, and if chosen, additional free electives may be permitted. See advisor.*
3 *Please consult with your advisor regarding the required number of free electives that must be completed.*
4 *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(*http://catalog.monmouth.edu/undergraduate-catalog/academic-programs-support-services-regulations/general-education-requirements/*) courses must be completed.*

Freshman

Fall	Credits	Spring	Credits
MA-120 Introduction to Mathematical Reasoning (Gen*Ed Mathematics)	4	MA-126 Calculus with Analytic Geometry II	4
MA-125 Calculus with Analytic Geometry I	4	EN-102 College Composition II	3
EN-101 College Composition I	3	Gen*Ed Aesthetics (AT) AR,DA,MU,TH	3
Gen*Ed Historical Perspectives (HS.SV)	3	Gen*Ed Social Science Survey (SS.SV)	3
Gen*Ed Cultural Diversity (CD) or Global Understanding (GU)	3	Free Electives	3
Semester Credits	**17**	**Semester Credits**	**16**

Sophomore

Fall	Credits	Spring	Credits
MA-237 Programming and Technology in Mathematics (Gen*Ed Technological Literacy (TL)	4	MA-220 Probability and Statistics I	3
MA-221 Linear Algebra	3	MA-225 Calculus with Analytic Geometry III	4
EN-2xx Gen*Ed Literature (LIT)	3	Gen*Ed Historical Perspectives (HS.SV) Social Science Survey (SS.SV)	3

CE-111 & CE-111L or PH-211 & PH-211L or BY-109	5	CE-112 & CE-112L or PH-212 & PH-212L or BY-110	5
Semester Credits	**15**	**Semester Credits**	**15**
Junior			
Fall	**Credits**	**Spring**	**Credits**
MA-314, MA-317, or MA-318 (MA-314 satisfies Reasoned Oral Discourse (RD)	3	MA-410 Modern Algebra or 411	3
Math Elective	3	Math Elective	3
Free Electives	9	FO-4xx Gen*Ed World Language	3
		Gen*Ed Reasoned Oral Discourse (RD)	3
		Free Electives	3
Semester Credits	**15**	**Semester Credits**	**15**
Senior			
Fall	**Credits**	**Spring**	**Credits**
MA-415 Real Analysis	3	Math Elective	3
Math Elective	3	PR-4xx Gen*Ed Interdisciplinary Perspectives (ISP)	3
Free Electives	9	Free Electives	6
Semester Credits	**15**	**Semester Credits**	**12**
Total Credits 120			

Notes

- 54 credits must be completed at the 200 level or higher.

B.S. in Mathematics and Education with Endorsements in Elementary and Teacher of Students with Disabilities (MA.EDEY.BS)

Code	Title	Credits
Major Requirements/Mathematics (43 credits)		
(Satisfies Mathematics in General Education)		
MA-120	Introduction to Mathematical Reasoning	4
MA-125	Calculus with Analytic Geometry I	4
MA-126	Calculus with Analytic Geometry II	4
MA-220	Probability and Statistics I	3
MA-221	Linear Algebra	3
MA-225	Calculus with Analytic Geometry III	4
MA-314	Number Theory	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
MA-317	Geometry	3
MA-325	History of Mathematics	3
(Satisfies Global Understanding (GU) in General Education)		
MA-410	Modern Algebra	3
MA-415	Real Analysis	3
Select 6 credits from Mathematics (MA) at the 300 or 400 level or above		6
Math Interdisciplinary Requirements (4 credits)		
MA-237	Programming and Technology in Mathematics	4
(Satisfies Technological Literacy (TL) in General Education)		
Major Requirements/Education (42 credits) [1]		
ED-250	Psychological and Philosophical Foundations of Education	3
EDS-330	Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
EDS-336	Classroom Management	3
ED-320	Teaching Emergent Multilinguals in an Inclusive Classroom	3
EDL-326	Literacy Instruction in P-6 Educational Settings I	3
EDL-327	Methods of Teaching Content Area Literacy in the Inclusive Elementary Setting: Language Arts & Social Studies	3
ED-360	Methods of Teaching Elementary Mathematics	3
ED-361	Methods of Teaching Science for Elementary School	3
EDS-338	Assessment Approaches, P-12	3
EDS-342	Instructional Methods and Materials for Students with Disabilities	3
EDS-350	Individualizing Curricula and Systematic Instruction for Special Education	3
ED-416 & 416S	Clinical Practice and Clinical Practice Seminar [2]	9
Free Electives (0 credits) [3]		
There are no free electives. [3]		0
General Education Requirements (33 credits) [4]		
Complete 33 credits as outlined on the General Education table. [4]		33
Total Credits		**122**

[1] *Minimum grade of "C" required for Education courses.*
[2] *Students must complete the appropriate test requirement(s) with a passing score PRIOR to Student Teaching.*
[3] *Please consult with your advisor regarding the required number of free electives that must be completed.*
[4] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(p. 44) courses must be completed.*

Additional Endorsements Available

- MID-MA - Middle School Mathematics
- ESL - English as a Second Language - Elementary
- P-3 Early Childhood Endorsement

Notes

- 54 credits must be completed at the 200 level or higher.
- Education majors are required to have an overall GPA of 3.00 for State Certification
- By state regulation, all Education majors seeking content area endorsement must complete 30 content credits (12+ credits at the 300+ level).

Sequence Chart

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
MA-120 Introduction to Mathematical Reasoning (Gen*Ed Mathematics)	4	MA-126 Calculus with Analytic Geometry II	4
MA-125 Calculus with Analytic Geometry I	4	ED-250 Psychological and Philosophical Foundations of Education	3
Gen*Ed Historical Perspectives (HS.SV)	3	Gen*Ed Social Science Survey (SS.SV)	3
Gen*Ed Aesthetics (AT) AR, DA, MU, TH	3	FO-xxx Gen*Ed World Language	3
Semester Credits	**17**	**Semester Credits**	**16**

Second Year

Fall	Credits	Spring	Credits
MA-221 Linear Algebra	3	MA-220 Probability and Statistics I	3
MA-237 Programming and Technology in Mathematics (General Education Technological Literacy (TL)	4	MA-225 Calculus with Analytic Geometry III	4
ED-320 Teaching Emergent Multilinguals in an Inclusive Classroom (Gen*Ed Reasoned Oral Discourse (RD) and Writing Intensive (WT))	3	EDL-326 Literacy Instruction in P-6 Educational Settings I	3
Gen*Ed Natural Sciience (NS) BY, CE, PH, GL, SC	3	EDS-330 Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood (General Education Writing Intensive (WT)	3
General Education Literature (LIT)	3	BY, CE, GL, PH, SC General Education Natural Science (NS)	3
Semester Credits	**16**	**Semester Credits**	**16**

Third Year

Fall	Credits	Spring	Credits
ED-361 Methods of Teaching Science for Elementary School	3	MA-317 Geometry	3
EDS-336 Classroom Management	3	MA-410 Modern Algebra	3
MA-314 Number Theory	3	EDS-338 Assessment Approaches, P-12	3
MA-300+ Math Elective	3	EDS-350 Individualizing Curricula and Systematic Instruction for Special Education	3
Gen*Ed Historical Perspectives (HS.SV) or Social Science Survey (SS.SV)	3	MA-300+ Math Elective	3
Semester Credits	**15**	**Semester Credits**	**15**

Fourth Year

Fall	Credits	Spring	Credits
MA-415 Real Analysis	3	MA-325 History of Mathematics (Gen*ED Global Understanding (GU) and Writing Intensive (WT)	3
EDL-327 Methods of Teaching Content Area Literacy in the Inclusive Elementary Setting: Language Arts & Social Studies (General Education Writing Intensive (WT)	3	ED-416 Clinical Practice (Gen*Ed Experiential Education (ExEd))	8
ED-360 Methods of Teaching Elementary Mathematics	3	ED-416S Clinical Practice Seminar	1
PR-4xx Gen*Ed Interdisciplinary Perspectives (ISP)	3		
EDS-342 Instructional Methods and Materials for Students with Disabilities	3		
Semester Credits	**15**	**Semester Credits**	**12**

Total Credits 122

B.S. in Mathematics and Education with Endorsement in Secondary Education in Mathematics (MA.EDS.BS)

Code	Title	Credits
Major Requirements/Mathematics (43 credits)		
(Satisfies Mathematics in General Education)		
MA-120	Introduction to Mathematical Reasoning	4
MA-125	Calculus with Analytic Geometry I	4
MA-126	Calculus with Analytic Geometry II	4
MA-220	Probability and Statistics I	3
MA-221	Linear Algebra	3
MA-225	Calculus with Analytic Geometry III	4
MA-314	Number Theory	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
MA-317	Geometry	3
MA-325	History of Mathematics	3
(Satisfies Global Understanding (GU) in General Education)		
MA-410	Modern Algebra	3
MA-415	Real Analysis	3
Select 6 credits from Mathematics (MA) at the 300 and 400 level or above		6
MA Interdisciplinary Requirements (4 credits)		
MA-237	Programming and Technology in Mathematics	4
(Satisfies Technological Literacy (TL) in General Education)		
Major Requirements/Education (24 credits) [1]		
ED-250	Psychological and Philosophical Foundations of Education	3
EDS-330	Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
EDS-336	Classroom Management	3
ED-319	Content Literacy and Assessment	3
ED-320	Teaching Emergent Multilinguals in an Inclusive Classroom	3
ED-416 & 416S	Clinical Practice and Clinical Practice Seminar [2]	9
Education Methods Requirements (6 credits) [1]		
ED-315	Digital Media and Instructional Technology Skills for Teachers	3
ED-365	Methods of Teaching Mathematics at the Secondary Level	3
Free Electives (10 credits) [3]		
Complete 10 credits of free electives [3]		10

General Education Requirements (33 credits) [4]	
Complete 30 credits as outlined on the General Education table. [4]	33
Total Credits	**120**

[1] *Minimum grade of "C" required for Education courses*
[2] *Students must complete the appropriate test requirement(s) with a passing score PRIOR to Clinical Practice.*
[3] *Please consult with your advisor regarding the required number of free electives that must be completed.*
[4] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education (p. 44) *courses must be completed.*

Additional Endorsements Available

- TSD - Teacher of Student with Disabilities - Secondary
- ESL - English as a Second Language - Secondary

Notes

- 54 credits must be completed at the 200 level or higher.
- Education majors are required to have an overall GPA of 3.00 for State Certification.
- By state regulation, all Education majors seeking content area endorsement must complete 30 content credits (12+ credits at the 300+ level).

First Year

Fall	Credits	Spring	Credits
MA-120 Introduction to Mathematical Reasoning (Gen*Ed Mathematics)	4	ED-250 Psychological and Philosophical Foundations of Education	3
MA-125 Calculus with Analytic Geometry I	4	MA-126 Calculus with Analytic Geometry II	4
EN-101 College Composition I	3	EN-102 College Composition II	3
Gen*Ed Historical Perspectives (HS.SV)	3	Gen*Ed Social Science Survey (SS.SV)	3
Gen*Ed Aesthetics (AT) AR,DA,MU, TH	3	FO-xxx Gen*Ed World Language	3
Semester Credits	**17**	**Semester Credits**	**16**

Second Year

Fall	Credits	Spring	Credits
ED-320 Teaching Emergent Multilinguals in an Inclusive Classroom (Gen*Ed Reasoned Oral Discourse (RD) and Writing Intensive (WT	3	MA-225 Calculus with Analytic Geometry III	4
MA-221 Linear Algebra	3	MA-220 Probability and Statistics I	3
MA-237 Programming and Technology in Mathematics (Gen*Ed Technological Literacy (TL	4	EDS-330 Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood (Gen*Ed Writing Intensive	3
EN-2xx Gen*Ed LLiterature (lLIT)	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
Gen*Ed Natural Science (NS) BY,CE.PH,SC,GL	3	Free Elective	3
Semester Credits	**16**	**Semester Credits**	**16**

Third Year

Fall	Credits	Spring	Credits
EDS-336 Classroom Management	3	ED-319 Content Literacy and Assessment (Gen*Ed WT)	3
MA-314 Number Theory	3	MA-317 Geometry	3
Gen*Ed Historical Perspectives (HS.SV) or Social Science Survey (SS.SV)	3	MA-410 Modern Algebra	3
Free Elective	3	Free Electives	3
Free Elective	1	Math Elective (300- or 400-level)	3
Math Elective (300-or 400-level)	3		
Semester Credits	**16**	**Semester Credits**	**15**

Fourth Year

Fall	Credits	Spring	Credits
MA-415 Real Analysis (Gen*Ed WT)	3	MA-325 History of Mathematics (Gen Ed GU & WT)	3
Gen*Ed Interdisiplinary Perspectives (ISP)	3	ED-416 Clinical Practice (Gen*Ed EX)	8
ED-315 Digital Media and Instructional Technology Skills for Teachers	3	ED-416S Clinical Practice Seminar	1
ED-365 Methods of Teaching Mathematics at the Secondary Level	3		
Semester Credits	**12**	**Semester Credits**	**12**

Total Credits 120

B.S. in Mathematics with a Concentration in Statistics (MA.STAT.BS)

Code	Title	Credits
Major Requirements/Mathematics (49 credits)		
(Satisfies Mathematics in General Education)		
MA-120	Introduction to Mathematical Reasoning	4
MA-125	Calculus with Analytic Geometry I	4
MA-126	Calculus with Analytic Geometry II	4
MA-311	Differential Equations	3
MA-221	Linear Algebra	3
MA-225	Calculus with Analytic Geometry III	4
Select one of the following:		3
(MA-314 satisfies Reasoned Oral Discourse (RD) in General Education [1]		
MA-314	Number Theory	
MA-317	Geometry	
MA-318	Combinatorics and Graph Theory	
MA-220	Probability and Statistics I	3
MA-320	Probability and Statistics II	3
MA-350	Computation and Statistics	3
MA-415	Real Analysis	3
MA-419	Introduction to Mathematical Modeling	3
MA-421	Design of Experiments and ANOVA	3
MA-440	Regression and Time Series Analysis	3
MA-460	Multivariate and Categorical Statistics	3
MA Interdisciplinary Requirements (8-10 credits)		
(Satisfies Natural Sciences in General Education)		
Select one of the following groups:		8-10

Group A (8 credits)		
CE-111	General Chemistry I	
CE-111L	General Chemistry I Laboratory	
CE-112	General Chemistry II	
CE-112L	General Chemistry II Laboratory	
Group B (10 credits)		
PH-211	General Physics with Calculus I	
PH-211L	General Physics with Calculus I Laboratory	
PH-212	General Physics with Calculus II	
PH-212L	General Physics with Calculus II Laboratory	
Group C (8 credits)		
BY-109	Introduction to Ecology and Evolution	
BY-110	Introduction to Cell and Molecular Biology	
Free Electives (25-27 credits) [2]		
Complete 25-27 of free elective credits. [2]		25-27
General Education Requirements (36 credits) [3]		
Complete 36 credits as outlined on the General Education table. [3]		36
Total Credits		**120**

[1] *If course selection satisfies a General Education requirement, additional free electives may be permitted. See advisor.*

[2] *Please consult with your advisor regarding the required number of free electives that must be completed.*

[3] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(*http://catalog.monmouth.edu/undergraduate-catalog/academic-programs-support-services-regulations/general-education-requirements/*) courses must be completed.*

Notes

- 54 credits must be completed at the 200 level or higher.

Sequence Chart

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
MA-125 Calculus with Analytic Geometry I (Gen*Ed Mathematics)	4	MA-120 Introduction to Mathematical Reasoning	4
Gen*Ed Historical Perspectives (HS.SV)	3	MA-126 Calculus with Analytic Geometry II	4
Gen*Ed Aesthetics (AT) AR,DA,MU,TH	3	Gen*Ed Social Science Survey (SS.SV)	3
Gen*Ed Cultural Diversity (CD) or Global Understanding (GU)	3	Free Electives	3
Semester Credits	**16**	**Semester Credits**	**17**

Second Year

Fall	Credits	Spring	Credits
MA-220 Probability and Statistics I	3	MA-320 Probability and Statistics II	3
MA-221 Linear Algebra	3	CE-112 & CE-112L or PH-212 & PH-212L or BY-110	5
Gen*Ed Technological Literacy (TL)	3	Gen*Ed Historical Perspectives (HS.SV) or Social Science Survey (SS.SV)	3
CE-111 & CE-111L or PH-211 & PH-211L or BY-109	5	MA-225 Calculus with Analytic Geometry III	4
Semester Credits	**14**	**Semester Credits**	**15**

Third Year

Fall	Credits	Spring	Credits
MA-311 Differential Equations	3	MA-440 Regression and Time Series Analysis	3
MA-421 Design of Experiments and ANOVA	3	Free Electives	6
EN-2xx Gen*Ed Literature (LIT)	3	MA-314, MA-317, or MA-318 (MA-314 is Reasoned Oral Discourse (RD)	3
Gen*Ed Reasoned Oral Discourse (RD)	3	FO-xx Gen*Ed World Language	3
Free Electives	3		
Semester Credits	**15**	**Semester Credits**	**15**

Fourth Year

Fall	Credits	Spring	Credits
MA-350 Computation and Statistics	3	MA-419 Introduction to Mathematical Modeling	3
MA-415 Real Analysis	3	MA-460 Multivariate and Categorical Statistics	3
Free Electives	7	Free Electives	6
		Gen*Ed Interdisciplinary Perspectives (ISP)	3
Semester Credits	**13**	**Semester Credits**	**15**

Total Credits 120

Minor in Mathematics (MIN.MA)

Code	Title	Credits
Requirements (15 credits)		
MA-120	Introduction to Mathematical Reasoning	4
MA-125	Calculus with Analytic Geometry I	4
MA-126	Calculus with Analytic Geometry II	4
MA-221	Linear Algebra	3
Electives (6 credits)		
Select 3 credits from MA at the 200 level or above		3
Select 3 credits from MA at the 300 level or above		3
Total Credits		**21**

Note

- Not available to Mathematics majors

Minor in Statistics (MIN.STAT)

Code	Title	Credits
Select one of the following:		3
MA-116	Calculus for the Biological Sciences	
MA-118	Quantitative Analysis for Business II	
MA-126	Calculus with Analytic Geometry II	
Select 3 credits from the following:		3
MA-151	Statistics with Applications	
MA-220	Probability and Statistics I	
BE-251	Business Statistics	
Select 9 credits from the following:		9
MA-320	Probability and Statistics II	
MA-321	Statistical Consulting	

MA-350	Computation and Statistics
MA-421	Design of Experiments and ANOVA
MA-440	Regression and Time Series Analysis
MA-460	Multivariate and Categorical Statistics
Total Credits	**15**

Note

- *Not available to Mathematics majors.*

Medical Laboratory Sciences and Clinical Laboratory Sciences

Chair: Tsanangurayi Tongesayi, Department of Chemistry and Physics

The curricula in **Medical Laboratory Science and Clinical Laboratory Sciences** are quite similar. Both prepare students to work as skilled professionals in medically related laboratories. Students complete three years of course work, focused on chemistry and biology, followed by a one-year hands-on internship at one of several hospital sites. Professionals in these areas provide laboratory data that is essential to the diagnosis of diseases, management of patient therapy, and maintenance of health. Graduates of these rewarding programs are highly employable and enjoy excellent starting salaries. They also have the potential for further career advancement in the field.

The **Medical Laboratory Science** curriculum is offered in conjunction with one of our medical center affiliates. The curriculum requires completion of ninety-six credits of collegiate work prescribed by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS) and is followed by an eleven-month internship period at an NAACLS-approved hospital program. Monmouth University confers the Bachelor of Science degree upon successful completion of the hospital program. Students have typically attended internships at:

Monmouth Medical Center
Long Branch, NJ 07740
Program Director: Emily Su

Jersey Shore University Medical Center
Neptune, NJ 07753
Program Director: Perla L. Simmons

The **Clinical Laboratory Sciences with a Concentration in Medical Laboratory Science** program is offered in collaboration with the Rutgers School of Health Related Professions (Rutgers-SHRP). The curriculum requires three years of pre-professional study followed by a fifteen-month internship at the Rutgers School of Health Related Professions. Monmouth University and the Rutgers-SHRP jointly confer the Bachelor of Science degree upon successful completion of the professional component. The internships for this program take place at:

Rutgers-School of Health-Related Professions
Newark Campus
Program Director: Deborah A. Josko

Programs

Majors

- B.S. in Medical Laboratory Science (p. 278)
- B.S. in Clinical Laboratory Sciences with a Concentration in Medical Laboratory Science (p. 277)

B.S. in Clinical Laboratory Sciences with a Concentration in Medical Laboratory Science (CL.MLS.BS)

Code	Title	Credits
Major Requirements/Clinical Lab Sciences Core (41 credits) [1]		
CE-111	General Chemistry I	3
CE-111R	General Chemistry I Recitation	1
CE-111L	General Chemistry I Laboratory	1
CE-112	General Chemistry II	3
CE-112R	General Chemistry II Recitation	1
CE-112L	General Chemistry II Laboratory	1
CE-241	Organic Chemistry I	3
CE-241L	Organic Chemistry I Laboratory	1
CE-242	Organic Chemistry II	3
CE-242L	Organic Chemistry II Laboratory	1
BY-110	Introduction to Cell and Molecular Biology	4
BY-211	Physiology with Anatomy I	4
BY-212	Physiology with Anatomy II	4
BY-223	General Microbiology	4
CE-333	Biochemistry	3
CE-333L	Biochemistry Laboratory	1
BY-431	Immunology	3
(Science courses satisfy Natural Science (NS) in General Education)		
Interdisciplinary Requirements (6-7 credits)		
One of the following three courses		3-4
MA-115	Pre-Calculus Modeling for the Biological Sciences [2]	
MA-116	Calculus for the Biological Sciences	
MA-125	Calculus with Analytic Geometry I	
and		
MA-151	Statistics with Applications	3
(MA-115 or MA-151 satisfies Mathematics in General Education)		
Professional Credits (45 credits)		
Completion of 83 credits of pre-professional credits is followed by an internship at Rutgers, School of Health Related Professions. Will count as partial fulfillment of WT requirement.		45
Free Electives (0 credits) [3]		
The number of required electives, if any, should be determined with you advisor. [3]		
General Education Requirements (36 credits) [4]		

Complete 36 credits as outlined on the General Education table. [4]	36
Total Credits	**128-129**

[1] *Students who have not completed all core requirements with a "C" grade or better will be ineligible for admission to the required internship program at Rutgers-SHRP.*

[2] *MA-116 Calculus for the Biological Sciences (3 cr.) or MA-125 Calculus with Analytic Geometry I (4 cr.) are to be taken by students who score 4 on the Math Placement Exam.*

[3] *Please consult with your advisor regarding the required number of free electives that must be completed.*

[4] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education (p. 44) *courses must be completed. The order given in the sequence charts for Gen*Ed courses is advisory. Students may move those courses around to suit their interests.*

[5] *Students can take BY-216 in place of IT-102 but there will be an additional credit since BY-216 is a 4-credit course. Students are therefore encouraged to consult their advisors.*

Notes

- 54 credits must be completed at the 200 level or higher.

B.S. in Clinical Laboratory Sciences with a Concentration in Medical Laboratory Science Sequence Chart

First Year

Fall	Credits	Spring	Credits
CE-111 General Chemistry I	3	CE-112 General Chemistry II	3
CE-111R General Chemistry I Recitation	1	CE-112R General Chemistry II Recitation	1
CE-111L General Chemistry I Laboratory	1	CE-112L General Chemistry II Laboratory	1
Mathematics Interdisciplinary Course (Please see curriculum chart)	3-4	BY-110 Introduction to Cell and Molecular Biology	4
EN-101 College Composition I	3	EN-102 College Composition II	3
IT-102 Information Technology for Scientists[5]	3	Gen*Ed Social Science	3
Semester Credits	**14-15**	**Semester Credits**	**15**

Second Year

Fall	Credits	Spring	Credits
CE-241 Organic Chemistry I	3	CE-242 Organic Chemistry II	3
CE-241L Organic Chemistry I Laboratory	1	CE-242L Organic Chemistry II Laboratory	1
BY-211 Physiology with Anatomy I	4	BY-212 Physiology with Anatomy II	4
Gen*Ed Historical Persp. or Social Science	3	MA-151 Statistics with Applications	3
Gen*Ed Literature	3	Gen*Ed Historical Persp.	3
Semester Credits	**14**	**Semester Credits**	**14**

Third Year

Fall	Credits	Spring	Credits
BY-223 General Microbiology	4	BY-431 Immunology	3
CE-333 Biochemistry	3	Gen*Ed Interdisciplinary Perspectives	3
CE-333L Biochemistry Laboratory	1	Gen*Ed Cultural Diversity or Global Understanding	3
Gen*Ed World Language	3	Gen*Ed Reasoned Oral Discourse	3
Gen*Ed Aesthetics	3		
Semester Credits	**14**	**Semester Credits**	**12**

Fourth Year

Fall	Credits	Spring	Credits
Clinical Internship RUTGERS-SHRP	23	Clinical Internship RUTGERS SHRP	22
Semester Credits	**23**	**Semester Credits**	**22**

Total Credits 128-129

B.S. in Medical Laboratory Science (MLS.BS)

Code	Title	Credits
Major Requirements/Laboratory Science (45 credits)		
CE-111	General Chemistry I	3
CE-111R	General Chemistry I Recitation	1
CE-111L	General Chemistry I Laboratory	1
CE-112	General Chemistry II	3
CE-112R	General Chemistry II Recitation	1
CE-112L	General Chemistry II Laboratory	1
CE-241	Organic Chemistry I	3
CE-241L	Organic Chemistry I Laboratory	1
CE-242	Organic Chemistry II	3
CE-242L	Organic Chemistry II Laboratory	1
CE-221	Analytical Chemistry I Quantitative Analysis	3
CE-221L	Analytical Chemistry I Laboratory Quantitative Analysis	1
BY-110	Introduction to Cell and Molecular Biology	4
BY-211	Physiology with Anatomy I	4
BY-212	Physiology with Anatomy II	4
BY-223	General Microbiology	4
CE-333	Biochemistry	3
CE-333L	Biochemistry Laboratory	1
BY-431	Immunology	3
(Science courses satisfy Natural Science (NS) in General Education)		
Interdisciplinary Requirements (6-7 credits)		
One of the following three courses		3-4
MA-115	Pre-Calculus Modeling for the Biological Sciences [1]	
MA-116	Calculus for the Biological Sciences	
MA-125	Calculus with Analytic Geometry I	
and		
MA-151	Statistics with Applications	3
Each of the above satisfy Mathematics in General Education)		
Professional Credits (32 credits) [2, 3]		
ML-411	Clinical Internship in Medical Laboratory Science I [3]	16
ML-412	Clinical Internship in Medical Laboratory Science II	16
Free Electives (1 credits) [4]		

Select 1 Free Elective Credit [4]	1
General Education Requirements (36 credits) [5]	
Complete 36 credits as outlined on the General Education table. [5]	36
Total Credits	**120-121**

[1] *MA-116 Calculus for the Biological Sciences (3 cr.) or MA-125 Calculus with Analytic Geometry I (4 cr.)are taken by student who score 4 on the Math Placement Exam.*

[2] *Completion of collegiate work prescribed by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS) is followed by an eleven month training period in a NAACLS-approved hospital program. Successful completion qualifies graduates to take the American Society of Clinical Pathologists (ASCP) Board Certificate Exam.*

[3] *ML-411 will partially complete Writing Intensive (WT) requirement in General Education Requirements.*

[4] *Please consult with your advisor regarding the required number of free electives that must be completed.*

[5] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(p. 44) courses must be completed.*

*The order given in the sequence charts for Gen*Ed courses is advisory. Students may change the order of those course to suit their interests.*

[6] *Students can take BY-216 in place of IT-102 but there will be an additional credit since BY-216 is a 4-credit course. Students are therefore encouraged to consult their advisors.*

Notes

- 54 credits must be completed at the 200 level or higher.

B.S. in Medical Laboratory Science Sequence Chart

First Year

Fall	Credits	Spring	Credits
CE-111 General Chemistry I	3	CE-112 General Chemistry II	3
CE-111R General Chemistry I Recitation	1	CE-112R General Chemistry II Recitation	1
CE-111L General Chemistry I Laboratory	1	CE-112L General Chemistry II Laboratory	1
Mathematics Interdisciplinary Course (see curriculum chart)	3-4	BY-110 Introduction to Cell and Molecular Biology	4
EN-101 College Composition I	3	EN-102 College Composition II	3
IT-102 Information Technology for Scientists[6]	3	Gen*Ed Historical Persp	3
Semester Credits	**14-15**	**Semester Credits**	**15**

Second Year

Fall	Credits	Spring	Credits
CE-241 Organic Chemistry I	3	CE-242 Organic Chemistry II	3
CE-241L Organic Chemistry I Laboratory	1	CE-242L Organic Chemistry II Laboratory	1
BY-211 Physiology with Anatomy I	4	BY-212 Physiology with Anatomy II	4
Gen*Ed Literature	3	MA-151 Statistics with Applications	3
Gen*Ed Historical Persp. or Social Science	3	Gen*Ed Social Science	3
Semester Credits	**14**	**Semester Credits**	**14**

Third Year

Fall	Credits	Spring	Credits
BY-223 General Microbiology	4	CE-221 Analytical Chemistry I Quantitative Analysis	3
CE-333 Biochemistry	3	CE-221L Analytical Chemistry I Laboratory Quantitative Analysis	1
CE-333L Biochemistry Laboratory	1	BY-431 Immunology	3
Gen*Ed World Language	3	Gen*Ed Interdisciplanary Perspectives	3
Gen*Ed Aesthetics	3	Gen*Ed Cultural Diversity or Global Understanding	3
Free Elective Credits	1	Gen*Ed Reasoned Oral Discourse	3
Semester Credits	**15**	**Semester Credits**	**16**

Fourth Year

Fall	Credits	Spring	Credits
ML-411 Clinical Internship in Medical Laboratory Science I	16	ML-412 Clinical Internship in Medical Laboratory Science II	16
Semester Credits	**16**	**Semester Credits**	**16**

Total Credits 120-121

Physics

Chair: Tsanangurayi Tongesayi, Department of Chemistry and Physics

Physics faculty members offer a curriculum leading to a minor in physics, which may be combined with any major. The minor in physics can be combined with a major in chemistry and education to prepare for the Teacher of Physical Science Certification. A minor in physics also complements the interests of students majoring in mathematics, software engineering, and a variety of other fields. The physics faculty support various undergraduate programs by offering specific courses required in other majors and courses designed to meet the general education natural sciences requirements. They also provide research opportunities for interested students.

Programs

Minor

- Physics (p. 281)

Courses

PH-101 Physics in Our Lives **Credits: 3**
Term Offered: All Terms
Course Type(s): NS
Presents major concepts and methodologies in physics and their importance in today's society. Introduction to principles of physics and their applications to today's technology using lectures and demonstration.

PH-103 The Physics of Sound and Music **Credits: 3**
Term Offered: All Terms
Course Type(s): NS
Presents the topics of sound and music from a physics point of view. Covered topics are harmonic motion, waves (both traveling and standing), the human voice and ear, the production of music and musical scales and the physics of several representative instruments.

PH-105 Physics for the Life Sciences I **Credits: 3**
Prerequisite(s): MA-101 or MA-109 or MA-115 or higher Math courses passed with grade of C- or higher.
Co-requisite(s): PH-105L
Term Offered: All Terms
Course Type(s): NS
An introduction to classical physics intended primarily for students majoring in the life sciences. Topics include: mechanics, dynamics, heat, electricity, magnetism, and optics.

PH-105L Physics for the Life Sciences I Laboratory **Credits: 1**
Co-requisite(s): PH-105
Term Offered: All Terms
Course Type(s): None
Laboratory work to complement PH-105. Experiments in the fields of statics, dynamics, energy, momentum, heat, sound, electricity, magnetism, optics, and spectroscopy. Three hours per week.

PH-106 Physics for the Life Sciences II **Credits: 3**
Prerequisite(s): PH-105 and PH-105L both passed with a grade of C- or higher
Co-requisite(s): PH-106L
Course Type(s): NS
An introduction to classical physics intended primarily for students majoring in the life sciences. Topics include, mechanics, dynamics, heat, electricity, magnetism, and optics.

PH-106L Physics for the Life Sciences II Laboratory **Credits: 1**
Co-requisite(s): PH-106
Course Type(s): None
Laboratory work to complement PH-106. Experiments in the fields of sound, electricity, magnetism, optics, and spectroscopy. Three hours per week.

PH-150 Principles of Astronomy **Credits: 3**
Term Offered: All Terms
Course Type(s): NS
The historical development of astronomy and the modern concepts of the universe, including demonstrations and viewing sessions with optical telescopes.

PH-199 Independent Study in Physics **Credits: 1**
Term Offered: All Terms
Course Type(s): None
Guided study of a selected topic in physics not substantially treated in a regular course, under the direction of a member of the Physics faculty. Prior permission of the directing professor and department chair is required to take this course.

PH-211 General Physics with Calculus I **Credits: 3**
Prerequisite(s): MA-116 or MA-125
Co-requisite(s): PH-211L
Term Offered: Fall Term
Course Type(s): NS
The first of a two-semester sequence of courses that, taken together, provide a thorough introduction to classical physics using calculus. Topics covered include: one- and two-dimensional motion, Newton's laws and their applications, energy, momentum and impulse, rotational mechanics, and thermodynamics.

PH-211L General Physics with Calculus I Laboratory **Credits: 1**
Co-requisite(s): PH-211
Term Offered: Fall Term
Course Type(s): None
Laboratory experiments to complement the topics covered in PH-211. Includes experiments in statics, dynamics, and thermodynamics.

PH-212 General Physics with Calculus II **Credits: 3**
Prerequisite(s): PH-211 and PH-211L passed with a grade of C- or higher.
Co-requisite(s): PH-212L
Term Offered: Spring Term
Course Type(s): NS
The second of a two-semester sequence of courses that, taken together, provide a thorough introduction to classical physics using calculus. Topics covered include: sound and wave mechanics, electrostatics, circuits, magnetic forces and fields, Faraday's Law, reflection and refraction, and optics.

PH-212L General Physics with Calculus II Laboratory **Credits: 1**
Co-requisite(s): PH-212
Term Offered: Spring Term
Course Type(s): None
Laboratory experiments to complement the topics covered in PH-212. Includes experiments in sound, electricity, magnetism, circuits, and optics.

PH-270 Physical Oceanography **Credits: 3**
Prerequisite(s): BY-109, CE-111, CE-111L, CE-112, and CE-112L
Term Offered: Fall Term
Course Type(s): MEBP
Physical Oceanography provides a survey of physical, chemical and geological processes that define and affect the coastal ocean including ocean basins, beach formation and dynamic ocean processes(currents, waves, wind, weather). Environmental considerations include the role of the ocean in the association with global climate change issues, problems associated with coastal development, exploitation of marine resources, and ocean and coastal pollution.

PH-298 Special Topics in Physics (200 Level) **Credits: 1-3**
Term Offered: Spring Term
Course Type(s): None
An intensive study of a particular subject or problem in physics to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

PH-299 Independent Study in Physics **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
Guided study of a selected topic in physics not substantially treated in a regular course, under the direction of a member of the Physics faculty. Prior permission of the directing professor and department chair is required to take this course.

PH-311 Theoretical Physics **Credits: 3**
Prerequisite(s): PH-212 passed with a grade of C- or higher
Term Offered: All Terms
Course Type(s): None
Presents physics topics aimed at the advanced undergraduate level. The subjects range over classical mechanics, electromagnetism, and statistical mechanics, with explicit links made to topics from PH-301. The course is calculus-based, and seeks to round out the physics education of physics minors.

PH-312 Modern Physics **Credits: 3**
Prerequisite(s): PH-311 passed with a grade of C- or higher
Term Offered: Spring Term
Course Type(s): None
Topics from physics of the twentieth century, including special relativity, the origins of quantum theory, quantum mechanics, atomic structure, nuclear physics, and elementary particles.

PH-350 Research in Physics **Credits: 1-3**
Term Offered: All Terms
Course Type(s): EX5
Original research work, carried out under the mentorship of a faculty research advisor. Research conducted by the students may be submitted for presentation, publication, or review, as appropriate. The number of course credits will be determined by arrangement with the advisor. Three hours/week per credit, 1-3 credits.

PH-399 Independent Study in Physics **Credits: 1-3**
Term Offered: Spring Term
Course Type(s): None
Reading and research on a selected topic under the direction of a Physics faculty member. Prior permission of the directing professor and department chair is required to take this course.

PH-499 Independent Study in Physics (400 Level) **Credits: 1-3**
Course Type(s): None
Reading and research on a selected topic under the direction of a Physics faculty member. Three hours per week per credit. Prior permission of the directing professor and department chair is required to take this course.

Minor in Physics (MIN.PH)

Code	Title	Credits
MA-125	Calculus with Analytic Geometry I	4
PH-211	General Physics with Calculus I	3
PH-211L	General Physics with Calculus I Laboratory	1
PH-212	General Physics with Calculus II	3
PH-212L	General Physics with Calculus II Laboratory	1
PH-311	Theoretical Physics	3
PH-312	Modern Physics	3
Total Credits		**18**

Urban Coast Institute

Director: Tony MacDonald

The Urban Coast Institute (UCI) serves the public interest as a forum for research, education, and collaboration that fosters the application of the best available science and policy to support healthy and productive coastal ecosystems and a sustainable and economically vibrant future for coastal communities. The UCI efforts focus on the following program areas:

- Coastal and Ocean Management, Law, and Policy
- Coastal Marine Stewardship, Habitat and Water Quality
- Sustainable and Resilient Coastal Communities

Institute Staff

Tony MacDonald, Esq. Director. J.D., Fordham University School of Law. Mr. MacDonald has over thirty years of executive and policy experience in coastal and ocean law and policy at the local, state, and federal level.

Thomas Herrington, Associate Director. Ph.D., Stevens Institute of Technology. Dr. Herrington is one of New Jersey's leading experts on coastal processes, beach management and ocean engineering. He has more than 25 years of experience in coastal sustainability and hazard mitigation research, including the analysis of storm surge and wave impacts on coastal communities.

James Nickels, Marine Scientist. M.S., Montclair State University Mr. Nickels has worked for over twenty-five years on marine research, monitoring, surveying, and field operations in both the public and private sectors. His expertise includes survey work in fisheries, plankton, benthic organisms, sediment, water quality, mitigation, and geophysics. He is a licensed hydrographer and Certified Floodplain Manager.

Karl Vilacoba, Communications Director. M.A., New Jersey Institute of Technology. Mr. Vilacoba has over fifteen years of experience in professional media, writing, and technical communications. He is the lead for the Urban Coast Institute (UCI) outreach and communications efforts related to ocean and coastal programs and activities.

Visit our website at http://monmouth.edu/uci/ (https://www.monmouth.edu/uci/).

LEON HESS BUSINESS SCHOOL

Dean: Raj Devasagayam, Ph.D.
Assistant Dean for Student Engagement: Janeth Merkle, M.B.A., M.M.
M.B.A. Program Director: Jonathan Daigle, Ph.D., M.B.A.

The Leon Hess Business School (LHBS) is currently ranked in the top 300 of the 2,000 schools of business in the United States, is a community of teacher-scholars educating students to develop strong leadership skills in achieving organizational excellence and sustainability: the integrated strategic management of interlocking economic, social, technological and ecological systems in which organizations operate. The LHBS is accredited by AACSB International — the Association to Advance Collegiate Schools of Business. AACSB accreditation is the hallmark of excellence in business education, and has been earned by less than 5 percent of the world's business programs. Today, there are 727 business schools in 48 countries and territories that maintain AACSB accreditation.

Within the LHBS are two Centers of Distinction.

1. The first is the Kislak Real Estate Institute. Students can obtain a Bachelor of Science in Business Administration with a Concentration in Real Estate and a Bachelor of Science in Business Administration with a Concentration in Finance and Real Estate. It is the first such program offered at any New Jersey College or university.
2. The second, the Center for Entrepreneurship is directed by Dr. Joseph McManus of the Management and Decision Sciences Department. The Center has been nationally recognized for its innovative teaching in the field of entrepreneurship and product designs.

The School of Business is most fortunate to have two professors who are endowed Chairs.

- Professor Donald Moliver holds the Steven and Elaine Pozycki Endowed Professor Chair in Real Estate.
- Professor Robert Scott holds the Arthur and Dorothy Greenbaum/Robert Ferguson/NJAR Endowed Chair in Real Estate Policy.

Student Honor Society: Beta Gamma Sigma

The top 20 percent of MBA graduates and 10 percent of undergraduate junior and senior students are eligible for election to Beta Gamma Sigma, the International Honor Society for AACSB-accredited business schools.

Programs

Majors

- B.S. in Business Administration with a Concentration in Accounting (p. 285)
- B.S. in Business Administration with a Concentration in Accounting Analytics (p. 286)
- B.S. in Business Administration with a Concentration in Economics (p. 293)
- B.S. in Business Administration with a Concentration in Economics and Finance (p. 294)
- B.S. in Business Administration with a Concentration in Finance (p. 295)
- B.S. in Business Administration with a Concentration in Finance and Real Estate (p. 296)
- B.S. in Business Administration with a Concentration in International Business (p. 312)
- B.S. in Business Administration with a Concentration in Leadership and Organizational Development (p. 305)
- B.S. in Business Administration with a Concentration in Marketing (p. 310)
- B.S. in Business Administration with a Concentration in Marketing and Management (p. 311)
- B.S. in Business Administration with a Concentration in Operations, Supply Chain, and Data Management (p. 303)
- B.S. in Business Administration with a Concentration in Real Estate (p. 297)
- B.S. in Business Administration with a Concentration in Small Business Management and Entrepreneurship (p. 304)

Minors

- Accounting (p. 287)
- Business Administration (p. 305)
- Economics (p. 298)
- Entrepreneurship (p. 306)
- Finance (p. 298)
- Foundations in Business Administration (p. 282)
- General Management (p. 306)
- Marketing (p. 313)
- Real Estate (p. 298)

Foundations in Business Administration Minor (MIN.BUFOUND)

Code	Title	Credits
Requirements (30 credits) [1]		
BA-251	Accounting I	3
BA-252	Accounting II	3
BE-201	Microeconomics	3
BE-202	Macroeconomics	3
BE-251	Business Statistics	3
BF-301	Principles of Finance	3
BF-304	Money, Credit, and Financial Institutions	3
BK-250	Principles of Marketing	3
BM-250	Principles of Management and Organizational Behavior	3
BM-350	Operations Management	3
Total Credits		**30**

[1] Completion of 30 credits of coursework in this minor with a final grade of B or better for each course in order to qualify for waivers of 18 graduate foundation courses in the MBA.

Accounting

Chair: Nancy Uddin, Department of Accounting

Mission Statement

The mission of the Department of Accounting is to prepare students for careers in public, private industry, and governmental and not-for-profit organizations. The department encourages and supports dynamic interaction between faculty and students. Faculty members contribute as leaders in the profession through research and community activities.

The Monmouth University Department of Accounting prepares students for today's varied and challenging careers in the accounting field including:

- **Public Accounting:** Opportunities range from the "Big 4" to regional and local firms which provide audit, tax, management, and forensic services to clients.
- **Private Accounting:** These options involve working within an individual company or non-profit organization.
- **Government Work:** Jobs are available working for the Internal Revenue Service, the NJ Division of Taxation, or other government agencies.
- **Education:** Graduates can continue for advanced degrees and return to academia for research and teaching opportunities.

Monmouth University accounting graduates will have met the educational requirements to sit for the rigorous Certified Public Accounting Examination (Students will have the opportunity to plan for meeting the additional requirements of 150 college credit hours, and work experience to become a CPA.)

The opportunities for accounting graduates are unlimited with the demand continuing at a strong level despite the current economic downturn.

- CPAs are highly respected and in demand.
- All financial decisions, for businesses and successful individuals, are dependent on accounting information.
- Accounting is the "language of business."
- Graduates with accounting skills are able to succeed in a career and life that offers wonderful opportunities.

Programs

Majors

- B.S. in Business Administration with a Concentration in Accounting (p. 285)
- B.S. in Business Administration with a Concentration in Accounting Analytics

Minor

- Accounting (p. 287)

Faculty

Gilda M. Agacer, Associate Professor (Graduate Faculty). B.A., University of East Philippines; M.I.B.S., Ph.D., University of South Carolina. Specializes in governmental accounting, advanced accounting analysis, and managerial cost analysis.
gagacer@monmouth.edu

Carson Clements, Lecturer. B.S., M.A., SUNY Brockport; PH.D, Miami University
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Jangho Gil, Assistant Professor (Graduate Faculty). B.S., Yonsei University; M.S., Columbia University; Ph.D., University of Texas.
jgil@monmouth.edu

Jangwook Lee, Assistant Professor (Graduate Faculty). B.B.A., Korea University; Ph.D., Temple University.; M.S., Baruch College, M.A., Columbia University. Research interests include managerial equity incentives, managerial risk-taking, and corporate risk. Additional interests include textual analysis of corporate disclosures.
jalee@monmouth.edu

Xudong Daniel Li, Associate Professor (Graduate Faculty). B.E., B.S., University of Science and Technology of China, M.B.A., University of California, Ph.D., University of North Texas. Research interests in auditing, firm choice, information transfer, financial reporting quality, managerial incentives/characteristics, and oil and gas. Broadly speaking, particular interests are (1) incorporated behavioral/psychological perspectives into theoretical explanations of various auditing and accounting contexts and (2) employing both economic and behavioral/psychology-based theories ot develop testable hypotheses in examining the interplay of auditing and accounting via archival research methods and using archival data.
xli@monmouth.edu

Douglas Stives, Senior Specialist Professor. M.B.A., Lehigh University; C.P.A., New Jersey. Teaching interests are in the areas of taxation.
dstives@monmouth.edu

Nancy Uddin, Associate Professor and Chair (Graduate Faculty). B.A., William Patterson University; Ph.D., Rutgers University. Research and teaching interests include the areas of auditing and accounting information systems.
nuddin@monmouth.edu

Minna Yu, Professor (Graduate Faculty). B.A., M.S., Dongbei University, China; Ph.D., Kent State University. Teaching interests include managerial accounting, financial accounting, and international accounting. Current research interests include analyst forecasts, accrual anomaly, and corporate governance.
miyu@monmouth.edu

Courses

BA-200 Survey of Accounting **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
An introductory class in accounting designed for non- business students, which focuses on accounting as a tool for communicating financial information about business organizations to people outside the business and to internal users to help them plan, control, or make decisions about operations. Not open to Business majors and only can be used toward the Business minors.

BA-251 Accounting I **Credits: 3**
Term Offered: All Terms
Course Type(s): None
This course is designed to provide students with both financial (external) accounting and managerial (internal) accounting theories and practices. The financial accounting topics include the principles and applications of current accounting theory and the accumulation and presentation of financial information through the four basic financial statements. Key coverage will be given to accounting issues related to particular accounts and to analytical procedures. The managerial accounting topics include the managerial accounting profession, building blocks of managerial accounting, job costing and activity-based costing as well as cost behavior analysis.

BA-252 Accounting II **Credits: 3**
Prerequisite(s): BA-251
Term Offered: All Terms
Course Type(s): None
This course is designed to further examine financial accounting and managerial accounting theories and practices. The financial accounting topics include accrual accounting, journal entries related to merchandising firms, receivables, liabilities, and equity. The managerial accounting topics include cost-volume-profit analysis, making short-term business decisions, budgeting, and performance evaluation.

BA-261 Data Analytics for Accounting **Credits: 3**
Prerequisite(s): IT-150 or CS-104, MA-117, and BA-251
Co-requisite(s): BE-251
Term Offered: Spring Term
Course Type(s): None
Computerization and the availability of data is changing the role of the accountant as information provider. We talk about how the accounting profession will change to complement the power of computerization and the plethora of data available. We use the AMPS (Ask, Master, Perform, Share) model to understand the data analytics process and how it is used to analyze all of the available information to address accounting questions. We emphasize the four types of analysis (descriptive, diagnostic, predictive and prescriptive) and how they are used to address accounting questions.

BA-311 Intermediate Accounting I **Credits: 3**
Prerequisite(s): BA-251, BA-252, and BA-261 passed with a grade of C or higher
Term Offered: All Terms
Course Type(s): None
Financial accounting measurement, including asset valuation and determination of periodic income.

BA-312 Intermediate Accounting II **Credits: 3**
Prerequisite(s): BA-311 passed with a grade of C or higher
Term Offered: All Terms
Course Type(s): None
Liability recognition and corporation equity measurement.

BA-316 Individual Income Tax **Credits: 3**
Prerequisite(s): BA-251 and BA-261 passed with a grade of C or higher
Term Offered: All Terms
Course Type(s): None
This is the first of two semesters of a study of Federal Income Taxation. It covers taxation of individuals and small businesses. Emphasis will be on tax research and planning for individuals. The purpose is to introduce undergraduate accounting students to a broad range on income tax topics. Because of the complexity and breadth of coverage, many topics will not be covered in great depth.

BA-320 Managerial Cost Analysis **Credits: 3**
Prerequisite(s): BA-252 and BA-261 passed with a grade of C or higher
Term Offered: All Terms
Course Type(s): None
Offers the student a fairly detailed knowledge of cost accounting principles and practices. A working knowledge of cost accounting is an essential element of the accounting student's education due to the importance of cost accounting in every organizational setting. Also, the information presented in the course is essential for successful completion of professional examinations such as the CPA and the CMA.

BA-345 Forensic and Investigative Accounting **Credits: 3**
Prerequisite(s): BA-251 and BA-252, both passed with a grade of C or higher
Term Offered: All Terms
Course Type(s): None
Identifying, recording, settling, extracting, sorting, reporting and verifying past financial data or other accounting activities for settling current or prospective legal disputes or using such past financial data for projecting future financial data to settle legal disputes.

BA-370 Accounting Information Systems **Credits: 3**
Prerequisite(s): BA-311 passed with a grade of C or higher
Term Offered: All Terms
Course Type(s): None
Accounting systems analysis and design. Emphasis on database information structures, integrating accounting, and controls.

BA-388 Cooperative Education: Accounting Concentration **Credits: 3**
Prerequisite(s): BA-252, BM-250, a minimum G.P.A. of 2.00, sixty or more earned credits, eighteen or more credits of Business Administration courses, and twelve or more credits of Accounting courses taken at Monmouth University
Term Offered: All Terms
Course Type(s): None
An opportunity to apply classroom theory in practice through actual work experience; includes both academic and experiential education. Experiential education involves fifteen to twenty hours of work per week for three credit hours. Academic aspects include reading assignments and a term paper. Departmental approval is required to take this course. This course may be repeated for credit.

BA-401 Advanced Accounting **Credits: 3**
Prerequisite(s): BA-312 passed with a grade of C or higher
Term Offered: All Terms
Course Type(s): None
Advanced issues in financial accounting, including business combinations, consolidated financial reports, governmental and not-for-profit accounting, and other relevant areas.

BA-413 Auditing Theory **Credits: 3**
Prerequisite(s): BA-312 passed with a grade of C or higher and BA-370
Term Offered: All Terms
Course Type(s): None
Auditing standards and procedures associated with the examination of financial statements; the role and methods of the independent auditor; legal and ethical responsibilities.

BA-417 Business Income Taxation **Credits: 3**
Prerequisite(s): BA-261 passed with a grade of C or higher
Term Offered: All Terms
Course Type(s): None
The second of two income tax courses, which covers the taxation of corporations, partnerships, estates and trusts. Tax and estate planning are emphasized with the study of various techniques, case studies and research projects. Retirement plans and international taxes are also included.

BA-425 International Accounting **Credits: 3**
Prerequisite(s): BA-311 passed with a grade of C or higher; and EN-101 and EN-102
Term Offered: All Terms
Course Type(s): WT
Basic concepts of accounting principles, auditing environments, managerial objectives, and financial reporting requirements, applicable to multi-national corporations. Emphasis on corporations with headquarters domiciled in the United States, with limited attention to specialized offshore locations.

BA-488 Cooperative Education: Accounting Concentration **Credits: 3**
Prerequisite(s): BA-252, BM-250 and a minimum G.P.A. of 2.00, sixty or more earned credits, eighteen or more credits in Business Administration courses; twelve or more credits in Accounting courses taken at Monmouth University
Term Offered: All Terms
Course Type(s): None
An opportunity to apply classroom theory in practice through actual work experience; includes both academic and experiential education. Experiential education involves fifteen to twenty hours of work per week for three credit hours. Academic aspects include reading assignments and a term paper. This course may be repeated for credit. Departmental approval is required to take this course.

BA-489 Internship in Accounting **Credits: 3**
Course Type(s): None
An opportunity to apply classroom theory in practice through actual work experience; includes both academic and experiential learning. Experiential part involves fifteen to twenty hours of work experience per week for three credit hours; academic aspect includes reading assignments and a term paper. Students are limited to nine credits of internship electives. This course is repeatable twice for credit. Departmental approval is required to take this course. Students must have Junior standing and a minimum G.P.A. of 2.00 in order to register for this course.

BA-498 Special Topics in Accounting **Credits: 1-3**
Term Offered: Spring Term
Course Type(s): None
An intensive study of a particular subject or problem in accounting to be announced prior to registration. The course may be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

BA-499 Independent Study in Accounting **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Independent study on a Business Administration topic not substantially treated in a regular course; work will include scheduled conferences with sponsoring professor and written reports. Prior permission of the directing professor and department chair is required to take this course.

B.S. in Business Administration with a Concentration in Accounting (BUBA.BS)

Code	Title	Credits
Major Requirements/Business (33 credits)		
BA-251	Accounting I	3
BE-201	Microeconomics	3
(BE-201 or BE-202 satisfies Social Science Survey (SS.SV) in General Education)		
BE-202	Macroeconomics	3
(BE-201 or BE-202 satisfies Social Science Survey (SS.SV) in General Education)		
BF-301	Principles of Finance	3
BK-250	Principles of Marketing	3
BE-251	Business Statistics	3
BL-201	Legal Environment of Business I	3
BM-250	Principles of Management and Organizational Behavior	3
BM-350	Operations Management	3
BM-327	Ethics, Diversity, and Social Responsibility	3
BM-490	Strategic Management	3
Concentration Requirements/Accounting (36 credits)		
BA-252	Accounting II	3
BA-261	Data Analytics for Accounting	3
BA-311	Intermediate Accounting I	3
BA-312	Intermediate Accounting II	3
BA-316	Individual Income Tax	3
BA-370	Accounting Information Systems	3
BA-413	Auditing Theory	3
BA-417	Business Income Taxation	3
BA-320	Managerial Cost Analysis	3
BA-401	Advanced Accounting	3
BL-202	Legal Environment of Business II	3
Select one of the following:		3
BA-425	International Accounting	
BF-421	International Finance	
BE-403	Economic Growth and Development	
BM-471	Global Management	
BK-453	International Marketing	
Interdisciplinary Requirements (6 credits)		
MA-117	Quantitative Analysis for Business I	3
(Satisfies Mathematics in General Education)		
IT-150	Information Technology for Business	3
(Satisfies Technological Literacy (TL) in General Education)		
Free Electives (12 credits) [1]		
Complete up to 12 credits of free electives. [1]		12
General Education Requirements (33 credits) [2]		

Complete 33 credits as outlined on the General Education table. [2]	33
Total Credits	**120**

[1] *Please consult with your advisor regarding the required number of free electives that must be completed.*

[2] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(p. 44) courses must be completed.*

Notes

- 54 credits must be completed at the 200 level or higher.
- Business majors are required to complete at least 50% of their major and concentration requirements at Monmouth University.

Sequence Chart

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
IT-150 Information Technology for Business (Gen*Ed Technological Literacy (TL)	3	BA-251 Accounting I	3
MA-117 Quantitative Analysis for Business I (Gen*Ed Mathematics)	3	BE-201 Microeconomics (Gen*Ed Social Science Survey (SS.SV)	3
Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3	Gen*Ed Aesthetics (AT) AR,DA,MU,TH	3
FO-xxx Gen*Ed World Language	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
Semester Credits	**15**	**Semester Credits**	**15**

Second Year

Fall	Credits	Spring	Credits
BA-252 Accounting II	3	BE-251 Business Statistics	3
BK-250 Principles of Marketing	3	BA-261 Data Analytics for Accounting	3
BL-201 Legal Environment of Business I	3	BE-202 Macroeconomics	3
BM-250 Principles of Management and Organizational Behavior	3	BL-202 Legal Environment of Business II	3
EN-2xx Gen*Ed Literature (LIT)	3	RD, Reasoned Oral Discourse class	3
Semester Credits	**15**	**Semester Credits**	**15**

Third Year

Fall	Credits	Spring	Credits
BA-311 Intermediate Accounting I	3	BA-312 Intermediate Accounting II	3
BA-316 Individual Income Tax	3	BA-370 Accounting Information Systems	3
BA-320 Managerial Cost Analysis	3	Free Elective (3 credits)	3
BF-301 Principles of Finance	3	Gen*Ed Cultural Diversity (CD) or Global Understanding (GU)	3
Free Elective (3 credits)	3	Gen*Ed Historical Perspectives (HS.SV)	3
Semester Credits	**15**	**Semester Credits**	**15**

Fourth Year

Fall	Credits	Spring	Credits
BA-417 Business Income Taxation	3	BA-413 Auditing Theory	3
BM-350 Operations Management	3	BM-327 Ethics, Diversity, and Social Responsibility	3
BA-401 Advanced Accounting	3	BM-490 Strategic Management	3
International or Global Business Course, BF-421, BE-403, BM-471, or BK-453	3	PR-4xx Gen*Ed Interdisciplinary Perspectives (ISP)	3
Free Elective	3	Free Elective	3
Semester Credits	**15**	**Semester Credits**	**15**

Total Credits 120

B.S. in Business Administration with a Concentration in Accounting Analytics (BUBAA.BS)

Code	Title	Credits
Business Major Requirements (33 credits)		
BA-251	Accounting I	3
BE-201	Microeconomics	3
BE-202	Macroeconomics	3
BF-301	Principles of Finance	3
BK-250	Principles of Marketing	3
BE-251	Business Statistics	3
BL-201	Legal Environment of Business I	3
BM-250	Principles of Management and Organizational Behavior	3
BM-327	Ethics, Diversity, and Social Responsibility (WT)	3
BM-350	Operations Management	3
BM-490	Strategic Management (Experiential)	3
Accounting Analytics Concentration (45 credits)		
BA-252	Accounting II	3
BA-261	Data Analytics for Accounting	3
BA-311	Intermediate Accounting I	3
BA-312	Intermediate Accounting II	3
BA-316	Individual Income Tax	3
BA-320	Managerial Cost Analysis	3
BA-370	Accounting Information Systems	3
BA-413	Auditing Theory	3
International or Global Business Course (WT)		3
MA-130	Applied Discrete Mathematics	3
CS-175	Introduction to Computer Science I	3
CS-175L	Introduction to Computer Science I lab	1
CS-176	Introduction to Computer Science II	3
CS-176L	Introduction to Computer Science II Lab	1
CS-205	Data Structures and Algorithms	3
CS-205L	Data Structures and Algorithms Lab	1
CS-432	Database Systems	3
Business Courses Outside the Major Requirements (6 credits)		
MA-117	Quantitative Analysis for Business I	3
CS-104	Introduction to Problem Solving and Software Development	3
Free Electives (3 credits) [1]		
Complete up to 3 credits of free electives. [1]		3
General Education Requirements (33 credits) [2]		

Complete 33 Credits as outlined on the General Education table. [2]	33
Total Credits	**120**

Sequence Chart

First Year			
Fall	**Credits**	**Spring**	**Credits**
EN-101 College Composition I	3	EN-102 College Composition II	3
CS-104 Introduction to Problem Solving and Software Development	3	BA-251 Accounting I	3
MA-117 Quantitative Analysis for Business I	3	MA-130 Applied Discrete Mathematics	3
Gen Ed Natural Sciences (NS)	3	BE-201 Microeconomics (Gen Ed SS.SV)	3
Gen Ed World Language	3		
Semester Credits	**15**	**Semester Credits**	**12**

Second Year			
Fall	**Credits**	**Spring**	**Credits**
BA-252 Accounting II	3	BA 261 Data Analytics in Accounting	3
BM-250 Principles of Management and Organizational Behavior	3	BE-251 Business Statistics	3
BL-201 Legal Environment of Business I	3	CS-176 Introduction to Computer Science II	3
CS-175 Introduction to Computer Science I	3	CS-176L Introduction to Computer Science II Lab	1
CS-175L Introduction to Computer Science I lab	1	Gen Ed Natural Science (NS)	3
Gen Ed Reasoned Oral Discourse (RD)	3	Gen Ed Aesthetics	3
Semester Credits	**16**	**Semester Credits**	**16**

Third Year			
Fall	**Credits**	**Spring**	**Credits**
BA-311 Intermediate Accounting I	3	BA-312 Intermediate Accounting II	3
CS-205 Data Structures and Algorithms	3	BA-320 Managerial Cost Analysis	3
CS-205L Data Structures and Algorithms Lab	1	BA-370 Accounting Information Systems	3
BE-202 Macroeconomics (Gen Ed SS.SV)	3	BF-301 Principles of Finance	3
BK-250 Principles of Marketing	3	Gen Ed Historical Perspectives (HS.SV)	3
Gen Ed Literature (LIT)	3		
Semester Credits	**16**	**Semester Credits**	**15**

Fourth Year			
Fall	**Credits**	**Spring**	**Credits**
International or Global Business Course	3	BA-413 Auditing Theory	3
BA-316 Individual Income Tax	3	BM-327 Ethics, Diversity, and Social Responsibility	3
BM-350 Operations Management	3	BM-490 Strategic Management	3
CS-432 Database Systems	3	Gen Ed Interdisciplinary Perspectives (ISP)	3
Gen Ed CD or GU	3	Free Elective (3 credits)	3
Semester Credits	**15**	**Semester Credits**	**15**

Total Credits 120

Minor in Accounting (MIN.BUBA)

Code	Title	Credits
BA-251	Accounting I	3
BA-252	Accounting II	3
BA-261	Data Analytics for Accounting	3
BA-311	Intermediate Accounting I	3
Select 6 credits from the following:		6
BA-312	Intermediate Accounting II	
BA-316	Individual Income Tax	
BA-320	Managerial Cost Analysis	
BA-417	Business Income Taxation	
Total Credits		**18**

Note

- Not available to students majoring in Business Administration.

Economics, Finance, and Real Estate

Chair: Benedicte Reyes, Department of Economics, Finance, and Real Estate

Within the Leon Hess Business School, students can pursue a number of academic degrees including economics, finance, and real estate. The program provides an education that helps qualify its graduates for positions of leadership in private and public sectors.

Curricula are developed, taught, and regularly updated by a faculty with strong academic and business experience. They stress the development of critical thinking, sophisticated communication skills, and a flexible managerial perspective.

The undergraduate program in business administration is grounded in a broad-gauged education in the liberal arts and sciences designed to prepare students for responsible judgment in a wide variety of cultural and social settings.

Programs

Majors

- B.S. in Business Administration with a Concentration in Economics (p. 293)
- B.S. in Business Administration with a Concentration in Economics and Finance (p. 294)
- B.S. in Business Administration with a Concentration in Finance (p. 295)
- B.S. in Business Administration with a Concentration in Finance and Real Estate (p. 296)
- B.S. in Business Administration with a Concentration in Real Estate (p. 297)

Minors

- Economics (p. 298)
- Finance (p. 298)
- Real Estate (p. 298)

Faculty

Tjeerd Boonman, Specialist Professor. B.A., M.S., University of Amsterdam; Ph.D., University of Groningen. Research focused on the development of early warning systems for currency crises and fiscal stress, modeling contagion and the use of real-time data.
tboonman@monmouth.edu

John Burke, Specialist Professor. B.A., S.U.N.Y.; M.B.A., Indiana University. His professional career spanned twenty-seven years on both the sell-side and buy-side of Wall Street. He spent ten years at PaineWebber, Inc., where he was a Managing Director, heading the Global Equity Derivatives group, with operations in New York, London, and Tokyo; he was also responsible for Proprietary Trading. He subsequently spent two years at Deutsche Bank, AG as Director and Co-Head of the Global Structured Products Group with operations in New York, Frankfort, London and Tokyo, as well as running Proprietary Trading in New York. After twelve years on the sell-side, Professor Burke moved to the buy-side and formed the Rumson Capital LLC, a $500mm hedge fund, engaging in global arbitrage strategies, which he ran for fifteen years.
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Jonathan Daigle, Associate Professor (Graduate Faculty). Director, M.B.A. Program. B.S., M.B.A., The University of South Alabama; Ph.D., The University of Mississippi.
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Yulin Li, Assistant Professor (Graduate Faculty). B.S., Economics, M.S., Management, Southwestern University of Finance and Economics, China; M.S., Financial Engineering and Risk Analytics; M.S., Applied Mathematics, Rensselaer Polytechnic Institute, Ph.D., University of Texas at San Antonio.
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Bochen Li, Lecturer. B.S., Shantou University; M.S., Polytechnic University; M.S., University of North Carolina, Charlotte; Ph.D., University of Cincinnati
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Yun Luo, Assistant Professor (Graduate Faculty). B.S., Xiamen University; M.A., Georgetown University; Ph.D., University of California.
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Gina McKeever, Lecturer and Interim Director, Kislak Real Estate Institute. B.A., B.S., University of California; MBA, Monmouth University; DBA, Temple University.
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Donald Moliver, Professor, Acting Director of Kislak Real Estate Institute; Steven J. and Elaine Pozycki Endowed Professorship in Real Estate (Graduate Faculty). B.A., Fairleigh Dickinson University, M.A., Ph.D., Virginia Polytechnic Institute. Research interests include real estate finance and valuation. CRE and MAI designations.
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Patrick L. O'Halloran, Associate Professor (Graduate Faculty). B.A., M.A., Ph.D., University of Wisconsin-Milwaukee. Principal research interests are in labor economics, discrimmination, payment scheme, and econonometrics.
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Benedicte Reyes, Associate Professor and Chair (Graduate Faculty). B.A., Ecole Superieure de Commerce de Reims, France; M.B.A., Temple University; Ph.D., Columbia University. Research interests include international corporate finance and capital markets deregulation.
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Richard Roberts, Specialist Professor. B.S. Pennsylvania State University; M.B.A., Columbia University. Monetary policy, money and banking.
rroberts@monmouth.edu

Robert H. Scott, III, Professor, Arthur and Dorothy Greenbaum/Robert Ferguson/NJAR Endowed Chair in Real Estate Policy (Graduate Faculty). B.A., Western State College of Colorado; M.A., Ph.D., University of Missouri at Kansas City. Reserach interests include credit cards, start-up business financing, and interpreting the work of Kenneth Boulding.
rscott@monmouth.edu

Courses

BE-200 Economics for Social Science **Credits: 3**
Prerequisite(s): 3 credits from Math except MA-050 or MA-100
Term Offered: All Terms
Course Type(s): None
Students are introduced to core economic concepts in four areas: (i) Introductory concepts include: decision-making under scarcity, the operation of markets and the price mechanism, and government's role in the economy. (ii) Microeconomics covers the economic analysis of consumption, production in the context of competitive and monopolistic markets, operation of labor markets, and poverty and income distribution. (iii) Macroeconomics introduces students to national product and income accounts; business cycles, inflation and unemployment; and monetary and fiscal policies. (iv) Global topics include: comparative advantage, trade and finance. Real-world applications are emphasized in all areas. For Non-Business majors.

BE-201 Microeconomics **Credits: 3**
Prerequisite(s): MA-100 or higher level mathematics course
Term Offered: All Terms
Course Type(s): SS.SV
Introduction to the operation of the price mechanism; examination of the individual economic units, laws of supply and demand, market structure, and cost analysis; contemporary problems examined.

BE-202 Macroeconomics **Credits: 3**
Prerequisite(s): MA-100 or higher level mathematics course
Term Offered: All Terms
Course Type(s): SS.SV
Determination of the components and level of national income; applications to the problems of inflation, unemployment, and economic stabilization; financial institutions in relation to their role in public policies.

BE-251 Business Statistics **Credits: 3**
Prerequisite(s): IT-100 or IT-150 and MA-117
Term Offered: All Terms
Course Type(s): None
Descriptive statistics, tables and charts, probability distributions, confidence intervals and hypothesis tests, linear and multiple regression, and analysis of variance.

BE-289 Internship in Economics **Credits: 3**
Course Type(s): EX1
An opportunity to apply classroom theory in practice through actual work experience; includes both academic and experiential learning. Experiential part involves fifteen to twenty hours of work experience per week for three credit hours; academic aspect includes reading assignments and a term paper. Students are limited to nine credits of internship electives. This course is repeatable twice for credit. The student must have a minimum G.P.A. of 2.00 and have at least Junior standing to take this course. Departmental approval is required to take this course.

BE-301 Labor Economics **Credits: 3**
Prerequisite(s): BE-201 and BE-202
Term Offered: Spring Term
Course Type(s): GS
Economic and social effects of the modern industrial structure: labor groups, attitudes, problems, tactics, labor legislation, the development of industrial society of American Unionism, and the labor movement throughout the world.

BE-304 Money, Credit, and Financial Institutions **Credits: 3**
Prerequisite(s): BE-202
Term Offered: All Terms
Course Type(s): None
Monetary economics and its institutions; the nature and function of money; commercial and central banking; the money markets; financial intermediaries; and international monetary institutions. Also listed as BF-304.

BE-305 Intermediate Macroeconomics **Credits: 3**
Prerequisite(s): BE-202
Term Offered: Spring Term
Course Type(s): None
A study of the measurement of aggregate output and the determination of the level of aggregate income; price level movements and factors underlying rates of economic growth; influence of applicable public policies.

BE-307 Managerial Economics **Credits: 3**
Prerequisite(s): MA-118 or MA-125 and BE-201
Term Offered: All Terms
Course Type(s): None
Application of contemporary economic theory to managerial decisions and to public policy affecting such decisions.

BE-356 Mergers and Acquisitions **Credits: 3**
Prerequisite(s): BF-301 Passed with a minimum grade of C
Term Offered: All Terms
Course Type(s): None
Mergers and acquisitions represent a major force in today's economy. M&A transactions take place in all industries and at all levels of the business life cycle-from acquisitions of startups to the merger of mature firms. This course provides students with a general understanding of the main M&A issues, including strategy, valuation methods, synergies, liquidity and control, and the steps in the M&A project -from the acquisition search until the post-merger integration. The course also includes special topics that vary per semester, such as hostile take-overs, LBOs (Leveraged Buyouts) and SPACs (Special Purpose Acquisition Companies). Also listed as BF-356.

BE-388 Cooperative Education: Economics Concentration **Credits: 3**
Prerequisite(s): BF-301 or Junionr standing, a minimum G.P.A. of 2.00, and completion of thirty credits, fifteen of which are earned at Monmouth University
Term Offered: Spring Term
Course Type(s): None
An opportunity to apply classroom theory in practice through actual work experience; includes both academic and experiential education. Experiential education involves fifteen to twenty hours of work per week for three credit hours. Academic aspects include reading assignments and a term paper. This course may be repeated for credit. Departmental approval is required to take this course.

BE-398 Special Topics in Economics (300 Level) **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
An intensive study or a particular subject or problem in economics, to be announced prior to registration. The course may be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

BE-401 Development of Economic Thought **Credits: 3**
Prerequisite(s): BE-201 and BE-202
Course Type(s): None
Economic ideas from the beginning of Western civilization to the present, including mercantilist writers Adam Smith, Malthus, Ricardo, Marx, and Keynes.

BE-403 Economic Growth and Development **Credits: 3**
Prerequisite(s): BE-201, BE-202, EN-101 and EN-102, or permission of the instructor
Term Offered: All Terms
Course Type(s): WT
The principal theories, factors, and problems of economic development. Empirical case studies emphasize the growth patterns in several countries, the impediments to economic growth in the underdeveloped countries, and the need to sustain growth rates in highly developed countries.

BE-440 Bond Markets **Credits: 3**
Prerequisite(s): BE-251 and BF-301
Term Offered: Spring Term
Course Type(s): None
A comprehensive review and analysis of the U.S. Bond Markets with emphasis on traditional fixed income securities and their derivative products and applications. The course will explore these studies from both a theoretical as well as practical perspective. Also listed as BF-440.

BE-451 Public Finance **Credits: 3**
Prerequisite(s): BE-202 and BA-252
Term Offered: Spring Term
Course Type(s): None
An analysis of the revenue, expenditure, and debt activities of government and their effects on resource allocation, income distribution, price stabilization, and economic growth. Also listed as BF-451.

BE-455 Financial Econometrics **Credits: 3**
Prerequisite(s): BE-201, BE-202, BE-251, and BF-301; MA-118 or MA-125 with a minimum grade of C.
Term Offered: All Terms
Course Type(s): None
Provides an advanced undergraduate level introduction to the methodology and tools of econometrics required by economics and finance professionals. Topics include: linear regression, time series modeling, capital asset pricing models, and volatility and correlation modeling. R and R Studio/Posit are used extensively in class. Instructor assumes students have no previous knowledge of R. Also listed as BF-455.

BE-480 Business Research: Economics **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Active participation in a research project chosen by and currently being pursued by the faculty sponsor. Student activities may include but are not limited to: literature search, data collection, data analysis, preparation of a manuscript, and delivery of a manuscript.

BE-488 Cooperative Education: Economics Concentration **Credits: 3**
Prerequisite(s): BF-301 or junior standing, a minimum G.P.A. of 2.00, and completion of thirty credits, fifteen of which are earned at Monmouth University
Course Type(s): None
An opportunity to apply classroom theory in practice through actual experience; includes both academic and experiential education. Experiential education involves fifteen to twenty hours of work per week for three credit hours. Academic aspects include reading assignments and a term paper. This course may be repeated for credit. Departmental approval is required to take this course. Junior standing or BF-301; a minimum G.P.A. of 2.00, and completion of thirty credits, fifteen of which are earned at Monmouth University are required to take this course.

BE-489 Internship in Economics **Credits: 3**
Term Offered: Spring Term
Course Type(s): EX1
An opportunity to apply classroom theory in practice through actual work experience; includes both academic and experiential learning. Experiential part involves fifteen to twenty hours of work experience per week for three credit hours; academic aspect includes reading assignments and a term paper. Students are limited to nine credits of internship electives. Departmental approval is required to take this course. This course is repeatable twice for credit. Junior standing and a minimum G.P.A. of 2.00 is required to take this course.

BE-498 Special Topics in Economics (400 Level) **Credits: 1-3**
Prerequisite(s): BE-251 and BF-301 both passed with a grade of B or higher
Term Offered: All Terms
Course Type(s): None
An intensive study of a particular subject or problem in economics to be announced prior to registration, conducted on either a lecture-discussion or a seminar basis.

BE-499 Independent Study in Economics **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Independent study on a Business Administration topic not substantially treated in a regular course; work will include scheduled conferences with sponsoring professor and written reports. Prior permission of the directing professor and department chair is required to take this course.

BF-200 Survey of Finance **Credits: 3**
Prerequisite(s): Any math course with a level higher than 100
Course Type(s): None
Introduction to business and personal finance, including forms of businesses, financial statements and cash flows, time value of money, elements of risk and return and valuation of stocks and bonds. This course is for non-business majors.

BF-289 Internship in Finance **Credits: 3**
Course Type(s): None
An opportunity to apply classroom theory in practice through actual work experience; includes both academic and experiential learning. Experiential part involves fifteen to twenty hours of work experience per week for three credit hours; academic aspect includes reading assignments and a term paper. Students are limited to nine credits of internship electives. This course is repeatable twice for credit. The student must have a minimum G.P.A. of 2.00 and have at least Junior standing to take this course. Departmental approval is required to take this course.

BF-298 Special Topics in Finance (200 Level) **Credits: 1-3**
Course Type(s): None
An intensive study of a particular subject or problem in finance to be announced prior to registration. The course may be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

BF-301 Principles of Finance **Credits: 3**
Prerequisite(s): BA-251, BE-201, and MA-117 or MA-126
Term Offered: All Terms
Course Type(s): None
Introduction to financial management and operations of business corporations, including: concepts of time-value of money, valuation and rate of return, risk management, financial statement analysis, asset valuation models, capital budgeting, and international financial management.

BF-303 Real Estate Investment and Taxation **Credits: 3**
Prerequisite(s): BF-310 or BR-310
Term Offered: Spring Term
Course Type(s): None
Designed to introduce students to the world of real estate finance, including debt and equity issues, securitization and taxation. Also listed as BR-303.

BF-304 Money, Credit, and Financial Institutions **Credits: 3**
Prerequisite(s): BE-202
Term Offered: All Terms
Course Type(s): None
Monetary economics and its institutions; the nature of and function of money; commercial and central banking; the money markets; financial intermediaries; and international monetary institutions. Also listed as BE-304.

BF-310 Real Estate Appraisal **Credits: 3**
Prerequisite(s): BF-301 passed with a grade of C- or higher
Co-requisite(s): MA-118
Course Type(s): None
Principles and processes of real estate valuation. The sales comparison, cost, and income approaches to value will be examined in depth.

BF-323 Analysis of Financial Statements **Credits: 3**
Prerequisite(s): BF-301 passed with a grade of C or higher
Term Offered: Spring Term
Course Type(s): None
Reading, analysis, and interpretation of financial statements of industrial and commercial business enterprises and of utilities and transportation.

BF-324 Principles of Working Capital Management **Credits: 3**
Prerequisite(s): BF-301 passed with grade of C or higher
Course Type(s): None
Exposure to major corporate decisions in restructuring and managing working capital and assessing the risks and returns of corporate decisions.

BF-341 Insurance and Risk Management **Credits: 3**
Prerequisite(s): BF-301 passed with a grade of C or higher
Term Offered: All Terms
Course Type(s): None
Principles and practices of insurance; the basic legal obligations and rights of the insurer and the insured in various types of contracts; types of carriers; internal and field organizations; government regulations and related subjects.

BF-356 Mergers and Acquisitions **Credits: 3**
Prerequisite(s): BF-301 Passed with a minimum grade of C
Term Offered: All Terms
Course Type(s): None
Mergers and acquisitions represent a major force in today's economy. M&A transactions take place in all industries and at all levels of the business life cycle-from acquisitions of startups to the merger of mature firms. This course provides students with a general understanding of the main M&A issues, including strategy, valuation methods, synergies, liquidity and control, and the steps in the M&A project -from the acquisition search until the post-merger integration. The course also includes special topics that vary per semester, such as hostile take-overs, LBOs (Leveraged Buyouts) and SPACs (Special Purpose Acquisition Companies). Also listed as BE-356.

BF-388 Cooperative Education: Finance Concentration **Credits: 3**
Prerequisite(s): BF-301 a minimum G.P.A. of 2.00, and completion of thirty credits, fifteen of which are earned at Monmouth University
Term Offered: Spring Term
Course Type(s): None
An opportunity to apply classroom theory in practice through actual work experience; includes both academic and experiential education. Experiential education involves fifteen to twenty hours of work per week for three credit hours. Academic aspects include reading assignments and a term paper. This course may be repeated for credit. Departmental approval is required to take this course.

BF-389 Internship in Finance **Credits: 3**
Course Type(s): None
An opportunity to apply classroom theory in practice through actual work experience; includes both academic and experiential learning. Experiential part involves fifteen to twenty hours of work experience per week for three credit hours; academic aspect includes reading assignments and a term paper. Students are limited to nine credits of internship electives. This course is repeatable twice for credit. Departmental approval is required to take this course. Junior standing and a minimum G.P.A. of 2.00 is required to take this course.

BF-398 Special Topics in Finance (300 Level) **Credits: 1-3**
Prerequisite(s): BF-301, Minimum grade C
Term Offered: Fall Term
Course Type(s): None
An intensive study of a particular subject or problem in finance to be announced prior to registration. The course may be conducted on either a lecture-discussion or a seminar basis.

BF-399 Independent Study in Finance **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Independent study on a Business Administration topic not substantially treated in a regular course; work will include scheduled conferences with sponsoring professor and written reports. Prior permission of the directing professor and department chair is required to take this course.

BF-421 International Finance **Credits: 3**
Prerequisite(s): BE-202 and BF-301 both passed with a grade of C or higher; and EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): WT
A study of the organization and operations of international monetary relations. Analyzes the alternative methods of short- and long-run payment adjustments; foreign exchange markets and international flow of funds; and theories of international liquidity.

BF-422 Investments **Credits: 3**
Prerequisite(s): BF-301 passed with a grade of C or higher
Term Offered: All Terms
Course Type(s): None
Basic investment principles: Investment objectives, determinants of value of investment media, range of investments available, relative values of securities, and personal investment administration. Students who have already taken BF-322 cannot register for this course. Students must take the Bloomberg Certification along with this course.

BF-431 Managerial Finance **Credits: 3**
Prerequisite(s): BF-301 passed with a grade of C or higher
Term Offered: All Terms
Course Type(s): None
Financial analysis, techniques, and principles as applied to short- and long-range planning and control; capital budgeting for long-term projects; valuation; determination of the firm's cost of capital; and the trade-off between risk and profitability.

BF-435 Derivatives **Credits: 3**
Prerequisite(s): MA-118 or MA-125 and BF-301, each passed with a grade of C or higher
Term Offered: All Terms
Course Type(s): None
Introduction to the complex subject of financial derivatives. Emphasis on the Black-Scholes and the Binomial Option pricing models, option strategies, and the use of options and futures to hedge risk.

BF-440 Bond Markets **Credits: 3**
Prerequisite(s): BE-251 and BF-301
Term Offered: Spring Term
Course Type(s): None
A comprehensive review and analysis of the U.S. Bond Markets with emphasis on traditional fixed income securities and their derivative products and applications. The course explores these studies from both a theoretical as well as practical perspective. Also listed as BE-440.

BF-451 Public Finance **Credits: 3**
Prerequisite(s): BE-202 and BA-252
Term Offered: Spring Term
Course Type(s): None
An analysis of the revenue, expenditure, and debt activities of government and their effects on resource allocation, income distribution, price stabilization, and economic growth. Also listed as BE-451.

BF-452 Portfolio Management - Hawk Capital Student Fund **Credits: 3**
Prerequisite(s): BA-251, BE-251, and BF-301 all passed with a grade of B or higher, and a G.P.A. above 3.30
Term Offered: All Terms
Course Type(s): None
Provides a real-world security analysis and portfolio management experience. Students learn and apply state of the art investment techniques, methods and tools in an actual hands-on environment managing a real portfolio in an environment replicating that of a professional investment firm.

BF-455 Financial Econometrics **Credits: 3**
Prerequisite(s): BE-201, BE-202, BE-251, and BF-301; MA-118 or MA-125 with a minimum grade of C.
Term Offered: All Terms
Course Type(s): None
Provides an advanced undergraduate level introduction to the methodology and tools of econometrics required by economics and finance professionals. Topics include: linear regression, time series modeling, capital asset pricing models, and volatility and correlation modeling. R and R Studio/Posit are used extensively in class. Instructor assumes students have no previous knowledge of R. Also listed as BE-455.

BF-480 Business Research: Finance **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Active participation in a research project chosen by and currently being pursued by the faculty sponsor. Student activities may include but are not limited to: literature search, data collection, data analysis, preparation of a manuscript, and delivery of a manuscript. Students must have Junior status or higher, approval of the instructor, department chair, and the Associate Dean or the Dean in order to register for this course.

BF-488 Cooperative Education: Finance Concentration **Credits: 3**
Prerequisite(s): BF-301 or Junior standing; minimum G.P.A. of 2.00, and completion of thirty credits, fifteen of which are earned at Monmouth University
Term Offered: Spring Term
Course Type(s): None
An opportunity to apply classroom theory in practice through actual work experience; includes both academic and experiential education. Experiential education involves fifteen to twenty hours of work per week for three credit hours. Academic aspects include reading assignments and a term paper. This course may be repeated for credit. Departmental approval is required to take this course. Junior standing or BF-301; a minimum G.P.A. of 2.00, and completion of thirty credits, fifteen of which are earned at Monmouth University.

BF-489 Internship in Finance **Credits: 3**
Term Offered: All Terms
Course Type(s): None
An opportunity to apply classroom theory in practice through actual work experience; includes both academic and experiential learning. Experiential part involves fifteen to twenty hours of work experience per week for three credit hours; academic aspect includes reading assignments and a term paper. Students are limited to nine credits of internship electives. This course is repeatable twice for credit. Departmental approval is required to take this course. Junior standing and a minimum G.P.A. of 2.00 is required to take this course.

BF-498 Special Topics in Finance (400 Level) **Credits: 1-3**
Prerequisite(s): BE-251 and BF-301 both passed with a grade of B or higher and a minimum G.P.A. of 3.30
Term Offered: All Terms
Course Type(s): None
An intensive study of a particular subject or problem in finance to be announced prior to registration. The course may be conducted on either a lecture-discussion or a seminar basis.

BF-499 Independent Study in Finance **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Independent study on a Business Administration topic not substantially treated in a regular course; work will include scheduled conferences with sponsoring professor and written reports. Prior permission of the directing professor and department chair is required to take this course.

BR-298 Special Topics in Real Estate **Credits: 1-3**
Term Offered: Fall Term
Course Type(s): None
An intensive study of a particular subject or problem in real estate to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

BR-301 Real Estate Law **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Legal issues as they apply to the acquisition, financing, and sale of real estate.

BR-303 Real Estate Finance Investment and Taxation **Credits: 3**
Prerequisite(s): BF-301 passed with a minimum grade of C.
Term Offered: Spring Term
Course Type(s): None
Designed to introduce students to the world of real estate finance, including debt and equity issues, securitization and taxation.

BR-304 Real Estate Lease Analysis **Credits: 3**
Prerequisite(s): BR-301
Term Offered: All Terms
Course Type(s): None
Examines concerned leasehold transactions, including office, industrial, retail, and general leases, while focusing on the respective roles of all relevant parties to the lease.

BR-305 Real Estate Data Analysis **Credits: 3**
Prerequisite(s): BR-301 and BR-303 or BR-310
Term Offered: All Terms
Course Type(s): None
Develop an understanding of real estate markets, proforma financial modeling and data visualization currently used by real estate professionals in evaluating acquisition feasibility and development. Excel, Argus and GIS will be used to generate Decision Making Artifacts commonly used to evaluate risk and feasibility in the real estate industry. Prerequisites: BR-301 and BR-303 or BR-310

BR-310 Real Estate Appraisal **Credits: 3**
Prerequisite(s): BF-301 passed with a grade of C or higher
Term Offered: Fall Term
Course Type(s): None
Principles and processes of real estate valuation. The sales comparison, cost, and income approaches to value will be examined in depth.

BR-389 Internship in Real Estate **Credits: 1-3**
Term Offered: Summer Term
Course Type(s): None
An opportunity to apply classroom theory in practice through actual work experience; including both academic and experiential learning. The experiential portion involves fifteen to twenty hours of work experience per week for three credit hours, and the academic aspect includes reading assignments and a term paper. Students are limited to nine credits of internship electives. Repeatable twice for credit. Departmental approval is required to take this course, along with Junior standing, and a minimum G.P.A. of 3.0

BR-398 Special Topics in Real Estate **Credits: 1-3**
Term Offered: Fall Term
Course Type(s): None
An intensive study of a particular subject or problem in real estate to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

BR-405 Real Estate Development **Credits: 3**
Prerequisite(s): BR-301 and BR-303 or BR-310
Term Offered: All Terms
Course Type(s): None
Designed to introduce students to the world of real estate development, including the regulatory environment, which must be navigated to successfully gain municipal and other governmental approvals for a land use project. Prerequisites: BR-301 and BR-303 or BR-310

BR-489 Internship in Real Estate **Credits: 3**
Course Type(s): None
An opportunity to apply classroom theory in practice through actual work experience; including both academic and experiential learning. The experiential portion involves fifteen to twenty hours of work experience per week for three credit hours, and the academic aspect includes reading assignments and a term paper. Students are limited to nine credits of internship electives. Repeatable twice for credit. Departmental approval is required to take this course. Junior standing, a minimum G.P.A. of 2.00, and instructor consent are required to register for this course.

BR-498 Special Topics in Real Estate **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
An intensive study of a particular subject or problem in real estate to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

BR-499 Independent Study in Real Estate **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
Independent study on a Business Administration topic not substantially treated in a regular course; work will include scheduled conferences with sponsoring professor and written reports. Prior permission of the directing professor and department chair is required to take this course.

B.S. in Business Administration with a Concentration in Economics (BUBE.BS)

Code	Title	Credits
Major Requirements/Business (33 credits)		
BA-251	Accounting I	3
BE-201	Microeconomics	3
(BE-201 or BE-202 satisfies Social Science Survey (SS.SV) in General Education)		
BE-202	Macroeconomics	3
(BE-201 or BE-202 satisfies Social Science Survey (SS.SV) in General Education)		
BF-301	Principles of Finance	3
BL-201	Legal Environment of Business I	3
BK-250	Principles of Marketing	3
BM-250	Principles of Management and Organizational Behavior	3
BE-251	Business Statistics	3
BM-327	Ethics, Diversity, and Social Responsibility	3
BM-350	Operations Management	3
BM-490	Strategic Management	3
Concentration Requirements/Economics (24 credits)		
MA-118	Quantitative Analysis for Business II	3
(MA-117 or MA-118 satisfies Mathematics in General Education)		
BE/BF-304	Money, Credit, and Financial Institutions	3
BE-305	Intermediate Macroeconomics	3
or BE-307	Managerial Economics	
BE-403	Economic Growth and Development	3
or BF-421	International Finance	
BE-455	Financial Econometrics	3
Select 9 credits in Economics (BE) at the 300-level or higher		9
Interdisciplinary Requirements (6 credits)		
MA-117	Quantitative Analysis for Business I	3
(MA-117 or MA-118 satisfies Mathematics in General Education)		
IT-150	Information Technology for Business	3
(Satisfies Technological Literacy (TL) in General Education)		
Free Electives (24 credits) [1]		
Complete up to 24 credits of free electives [1]		24
General Education Requirements (33 credits) [2]		

Complete 33 credits as outlined on the General Education table. [2]	33
Total Credits	**120**

[1] *Please consult with your advisor regarding the required number of free electives that must be completed.*

[2] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(p. 44) courses must be completed.*

Notes

- 54 credits must be completed at the 200 level or higher.
- Business majors are required to complete at least 50% of their major and concentration requirements at Monmouth University.

Sequence Chart

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
IT-150 Information Technology for Business (Gen*Ed Technological Literacy (TL)	3	RD, Reasoned Oral Discourse class	3
Gen*Ed Historical Perspectives (HS.SV)	3	MA-117 Quantitative Analysis for Business I (Gen*Ed Mathmatics)	3
Gen*Ed Natural Science (NS) BY,CE,PL,SC,GL	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
Gen*Ed Aesthetics (AT) AR,DA,MU,TH	3	BE-201 Microeconomics	3
Semester Credits	**15**	**Semester Credits**	**15**

Second Year

Fall	Credits	Spring	Credits
BA-251 Accounting I	3	BF-301 Principles of Finance	3
MA-118 Quantitative Analysis for Business II	3	BK-250 Principles of Marketing	3
BM-250 Principles of Management and Organizational Behavior	3	BE-251 Business Statistics	3
EN-2xx Gen*Ed Literature (LIT)	3	BE-202 Macroeconomics	3
Gen*Ed Cultural Diversity (CD) or Global Understanding (GU)	3	FO-xxx Gen*Ed World Language	3
Semester Credits	**15**	**Semester Credits**	**15**

Third Year

Fall	Credits	Spring	Credits
BL-201 Legal Environment of Business I	3	BM-350 Operations Management	3
BE-304 Money, Credit, and Financial Institutions or BF 304	3	BE-455 Financial Econometrics	3
BM-327 Ethics, Diversity, and Social Responsibility	3	BE-300+ Economics Elective	3
Free Elective	6	Free Elective	6
Semester Credits	**15**	**Semester Credits**	**15**

Fourth Year

Fall	Credits	Spring	Credits
BE-305 Intermediate Macroeconomics or 307	3	BF-421 International Finance or BE 403 (Gen*Ed Writing Intensive (WT)	3
BE-300+ Economics Elective	3	BM-490 Strategic Management (Gen*Ed Experiential Education (ExEd)	3
PR-4xx Gen*Ed Interdisciplinary Perspectives (ISP)	3	BE-300+ Economics Elective	3
Free Electives	6	Free Electives	6
Semester Credits	**15**	**Semester Credits**	**15**

Total Credits 120

B.S. in Business Administration with a Concentration in Economics and Finance (BUBEF.BS)

Code	Title	Credits
Major Requirements/Business (33 credits)		
BA-251	Accounting I	3
BE-201	Microeconomics	3
(BE-201 or BE-202 satisfies Social Science Survey (SS.SV) in General Education)		
BE-202	Macroeconomics	3
(BE-201 or BE-202 satisfies Social Science Survey (SS.SV) in General Education)		
BF-301	Principles of Finance	3
BL-201	Legal Environment of Business I	3
BK-250	Principles of Marketing	3
BM-250	Principles of Management and Organizational Behavior	3
BE-251	Business Statistics	3
BM-327	Ethics, Diversity, and Social Responsibility	3
BM-350	Operations Management	3
BM-490	Strategic Management	3
Concentration Requirements/Economics - Finance (36 credits)		
MA-118	Quantitative Analysis for Business II	3
(MA-117 or MA-118 satisfies Mathematics in General Education)		
BE/BF-304	Money, Credit, and Financial Institutions	3
BE-305	Intermediate Macroeconomics	3
or BE-307	Managerial Economics	
BE-403	Economic Growth and Development	3
or BF-421	International Finance	
BF-431	Managerial Finance	3
BE-455	Financial Econometrics	3
Select 9 credits in Economics (BE) at the 300-level or higher		9
Select 9 credits in Finance (BF) at the 300-level or higher		9
Interdisciplinary Requirements (6 credits)		
MA-117	Quantitative Analysis for Business I	3
(MA-117 or MA-118 satisfies Mathematics in General Education)		
IT-150	Information Technology for Business	3
Satisfies Technological Literacy (TL) in General Education)		
Free Electives (12 credits) [1]		
Complete up to 12 free electives. [1]		12
General Education Requirements (33 credits) [2]		
Complete 33 credits as outlined on the General Education table. [2]		33
Total Credits		**120**

[1] *Please consult with your advisor regarding the required number of free electives that must be completed.*

[2] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education (p. 44) *courses must be completed.*

Notes

- 54 credits must be completed at the 200 level or higher.
- Business majors are required to complete at least 50% of their major and concentration requirements at Monmouth University.

Sequence Chart

First Year			
Fall	**Credits**	**Spring**	**Credits**
EN-101 College Composition I	3	EN-102 College Composition II	3
IT-150 Information Technology for Business (Gen*Ed Technological Literacy (TL)	3	MA-117 Quantitative Analysis for Business I (Gen*Ed Mathematics)	3
Gen*Ed Historical Perspectives (HS.SV)	3	RD, Reasoned Oral Discourse class	3
Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
Gen*Ed Aesthetics (AT) AR,DA,MU,TH	3	BE-201 Microeconomics	3
Semester Credits	**15**	**Semester Credits**	**15**
Second Year			
Fall	**Credits**	**Spring**	**Credits**
BA-251 Accounting I	3	BK-250 Principles of Marketing	3
MA-118 Quantitative Analysis for Business II	3	BE-202 Macroeconomics	3
BM-250 Principles of Management and Organizational Behavior	3	BE-251 Business Statistics	3
EN-2xx Gen*Ed Literature (LIT)	3	BF-301 Principles of Finance	3
Free Elective	3	Free Elective	3
Semester Credits	**15**	**Semester Credits**	**15**
Third Year			
Fall	**Credits**	**Spring**	**Credits**
BL-201 Legal Environment of Business I	3	BM-327 Ethics, Diversity, and Social Responsibility (Gen*Ed Writing Intensive (WT)	3
BE-304 Money, Credit, and Financial Institutions or BF 304	3	BM-350 Operations Management	3
BF-300+ Finance Elective	3	BE-300+ Economics Elective	3
FO-xxx Gen*Ed World Lanaguage	3	Gen*Ed Cultural Diversity (CD) or Global Understanding (GU)	3
Free Elective	3	BE-455 Financial Econometrics	3
Semester Credits	**15**	**Semester Credits**	**15**
Fourth Year			
Fall	**Credits**	**Spring**	**Credits**
BE-305 Intermediate Macroeconomics or 307	3	BF-421 International Finance or BE 403 (Gen*Ed Writing Intensive (WT)	3
BF-431 Managerial Finance	3	BM-490 Strategic Management (Gen*Ed Experiential Education (ExEd)	3
BE-300+ Economics Elective	3	BE-300+ Economics Elective	3
BF-300+ Finance Elective	3	BF-300+ Finance Elective	3
PR-4xx Gen*Ed Interdisciplinary Perspectives (ISP)	3	Free Elective	3
Semester Credits	**15**	**Semester Credits**	**15**

Total Credits 120

B.S. in Business Administration with a Concentration in Finance (BUBF.BS)

Code	Title	Credits
Major Requirements/Business (33 credits)		
BA-251	Accounting I	3
BE-201	Microeconomics	3
(BE-201 or BE-202 satisfies Social Science Survey (SS.SV) in General Education)		
BE-202	Macroeconomics	3
(BE-201 or BE-202 satisfies Social Science Survey (SS.SV) in General Education)		
BF-301	Principles of Finance	3
BL-201	Legal Environment of Business I	3
BK-250	Principles of Marketing	3
BM-250	Principles of Management and Organizational Behavior	3
BE-251	Business Statistics	3
BM-327	Ethics, Diversity, and Social Responsibility	3
BM-350	Operations Management	3
BM-490	Strategic Management	3
Concentration Requirements (24 credits)		
MA-118	Quantitative Analysis for Business II	3
(MA-118 or MA-117 satisfies Mathematics in General Education)		
BE/BF-304	Money, Credit, and Financial Institutions	3
BE-403	Economic Growth and Development	3
or BF-421	International Finance	
BF-431	Managerial Finance	3
BF-455	Financial Econometrics	3
Select 9 credits in Finance (BF) at the 300-level or higher		9
Interdisciplinary Requirements (6 credits)		
MA-117	Quantitative Analysis for Business I	3
(MA-118 or MA-117 satisfies Mathematics in General Education)		
IT-150	Information Technology for Business	3
(Satisfies Technological Literacy (TL) in General Education)		
Free Electives (24 credits) [1]		
Complete up to 24 credits of free electives. [1]		24
General Education Requirements (33 credits) [2]		
Complete 33 credits as outlined on the General Education table. [2]		33
Total Credits		**120**

[1] *Please consult with your advisor regarding the required number of free electives that must be completed.*

[2] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major*

or interdisciplinary requirements. Please consult with your advisor to determine which General Education (p. 44) *courses must be completed.*

Notes

- 54 credits must be completed at the 200 level or higher.
- Business majors are required to complete at least 50% of their major and concentration requirements at Monmouth University.

Sequence Chart

First Year			
Fall	**Credits**	**Spring**	**Credits**
EN-101 College Composition I	3	EN-102 College Composition II	3
IT-150 Information Technology for Business (Gen*Ed Technological Literacy (TL)	3	MA-117 Quantitative Analysis for Business I (Gen*Ed Mathematics)	3
Gen*Ed Historical Perspectives (HS.SV)	3	Select 3 credits of RD, Reasoned Oral Discourse	3
Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
Gen*Ed Aesthetics (AT) AR,DA,MU,TH	3	BE-201 Microeconomics	3
Semester Credits	**15**	**Semester Credits**	**15**
Second Year			
Fall	**Credits**	**Spring**	**Credits**
BA-251 Accounting I	3	BF-301 Principles of Finance	3
BM-250 Principles of Management and Organizational Behavior	3	BK-250 Principles of Marketing	3
MA-118 Quantitative Analysis for Business II	3	BE-251 Business Statistics	3
EN-2xx Gen*Ed Literature (LIT)	3	BE-202 Macroeconomics	3
Gen*Ed Cultural Diversity (CD) or Global Understanding (GU)	3	FO-xxx Gen*Ed World Language	3
Semester Credits	**15**	**Semester Credits**	**15**
Third Year			
Fall	**Credits**	**Spring**	**Credits**
BL-201 Legal Environment of Business I	3	BM-350 Operations Management	3
BE-304 Money, Credit, and Financial Institutions or BF 304	3	BF-431 Managerial Finance	3
BM-327 Ethics, Diversity, and Social Responsibility	3	BF-455 Financial Econometrics	3
Free Elective	6	Free Elective	6
Semester Credits	**15**	**Semester Credits**	**15**
Fourth Year			
Fall	**Credits**	**Spring**	**Credits**
BF-421 International Finance or BE 403 (Gen*Ed Writing Intensive (WT)	3	BF-300+ Finance Electives	6
BF-300+ Finance Elective	3	BM-490 Strategic Management (Gen*Ed Experiential Education (ExEd))	3
PR-4xx Gen*Ed Interdisciplinary Perspectives (ISP)	3	Free Electives	6
Free Electives	6		
Semester Credits	**15**	**Semester Credits**	**15**
Total Credits 120			

B.S. in Business Administration with a Concentration in Finance and Real Estate (BUBFR.BS)

Code	Title	Credits
Major Requirements/Business (33 credits)		
BA-251	Accounting I	3
BE-201	Microeconomics	3
BE-201 or BE-202 satisfies Social Science Survey (SS.SV) in General Education		
BE-202	Macroeconomics	3
BE-201 or BE-202 satisfies Social Science Survey (SS.SV) in General Education		
BL-201	Legal Environment of Business I	3
BK-250	Principles of Marketing	3
BM-250	Principles of Management and Organizational Behavior	3
BE-251	Business Statistics	3
BF-301	Principles of Finance	3
BM-327	Ethics, Diversity, and Social Responsibility	3
BM-350	Operations Management	3
BM-490	Strategic Management	3
Concentration Requirements (36 credits)		
MA-118	Quantitative Analysis for Business II	3
MA-118 or MA-117 satisfies Mathematics in General Education)		
BE/BF-304	Money, Credit, and Financial Institutions	3
BR-301	Real Estate Law	3
BF-421	International Finance	3
BF-422	Investments	3
BF-431	Managerial Finance	3
BR-310	Real Estate Appraisal	3
or BR-303	Real Estate Finance Investment and Taxation	
BR-405	Real Estate Development	3
BE/BF-455	Financial Econometrics	3
or BR-305	Real Estate Data Analysis	
3 credits in Real Estate (BR) Electives at the 300-level or higher		3
and 6 credits in Finance (BF) Electives at the 300-level or higher		6
Interdisciplinary Requirements (6 credits)		
MA-117	Quantitative Analysis for Business I	3
MA-118 or MA-117 satisfies Mathematics in General Education)		
IT-150	Information Technology for Business	3
(Satisfies Technological Literacy (RD) in General Education)		
Free Electives (12 credits) [1]		
Complete up to 12 credits of free electives. [1]		12
General Education Requirements (33 credits) [2]		

Complete 33 credits as outlined on the General Education table. [2]	33
Total Credits	**120**

[1] *Please consult with your advisor regarding the required number of free electives that must be completed.*

[2] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(p. 44) courses must be completed.*

Notes

- 54 credits must be completed at the 200 level or higher.
- Business majors are required to complete at least 50% of their major and concentration requirements at Monmouth University.

Sequence Chart

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
IT-150 Information Technology for Business (Gen*Ed Technological Literacy (TL)	3	MA-117 Quantitative Analysis for Business I (Gen*Ed Mathematics)	3
Gen*Ed Historical Perspectives (HS.SV)	3	RD, Reasoned Oral Discourse class	3
Gen*Ed Aesthetics (AT) AR,DA,MU,TH	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3	Free Elective	3
Semester Credits	**15**	**Semester Credits**	**15**

Second Year

Fall	Credits	Spring	Credits
BA-251 Accounting I	3	BF-301 Principles of Finance	3
BE-201 Microeconomics (Gen*Ed Social Science Survey (SS.SV)	3	BL-201 Legal Environment of Business I	3
BM-250 Principles of Management and Organizational Behavior	3	BE-251 Business Statistics	3
MA-118 Quantitative Analysis for Business II	3	BE-202 Macroeconomics	3
EN-2xx Gen*Ed Literature (LIT)	3	Free Elective	3
Semester Credits	**15**	**Semester Credits**	**15**

Third Year

Fall	Credits	Spring	Credits
BK-250 Principles of Marketing	3	HS-310 Business and Economic Development of the United States	3
BE-304 Money, Credit, and Financial Institutions or BF 304	3	BR-303 Real Estate Finance Investment and Taxation	3
BM-311 Management Data Analytics	3	BR-304 Real Estate Lease Analysis	3
BR-301 Real Estate Law	3	BF-431 Managerial Finance	3
FO-xxx Gen*Ed World Language	3	Gen*Ed Cultural Diversity (CD) or Global Understanding (GU)	3
Semester Credits	**15**	**Semester Credits**	**15**

Fourth Year

Fall	Credits	Spring	Credits
BF-422 Investments	3	BR-405 Real Estate Development	3
BM-350 Operations Management	3	BF-421 International Finance or BE 403 (Gen*Ed Writing Intensive (WT)	3
BM-327 Ethics, Diversity, and Social Responsibility (Gen*Ed Writing Intensive (WT)	3	BM-490 Strategic Management (Gen*Ed Experiential Education (ExEd)	3
PR-4xx Gen*Ed Interdisciplinary Perspectives (ISP)	3	BF-440 Bond Markets	3
BF-300+ or BR-300+ Elective	3	Free Elective	3
Semester Credits	**15**	**Semester Credits**	**15**

Total Credits 120

B.S. in Business Administration with a Concentration in Real Estate (BUBR.BS)

Code	Title	Credits
Major Requirements/Business (33 credits)		
BA-251	Accounting I	3
BE-201	Microeconomics	3
(BE-201 or BE-202 satisfies Social Science Survey (SS.SV) in General Education)		
BE-202	Macroeconomics	3
(BE-201 or BE-202 satisfies Social Science Survey (SS.SV) in General Education)		
BF-301	Principles of Finance	3
BL-201	Legal Environment of Business I	3
BK-250	Principles of Marketing	3
BM-250	Principles of Management and Organizational Behavior	3
BE-251	Business Statistics	3
BM-327	Ethics, Diversity, and Social Responsibility	3
BM-350	Operations Management	3
BM-490	Strategic Management	3
Concentration Requirements (27 credits)		
MA-118	Quantitative Analysis for Business II	3
(MA-117 or MA-118 satisfies Mathematics in General Education)		
BE-304	Money, Credit, and Financial Institutions	3
or BF-304	Money, Credit, and Financial Institutions	
BR-301	Real Estate Law	3
BR-303	Real Estate Finance Investment and Taxation	3
BR-305	Real Estate Data Analysis	3
BR-310	Real Estate Appraisal	3
BR-405	Real Estate Development	3
Select 3 credits in Real Estate (BR) at the 300+ level or higher		3
Select one of the following Global/International Business courses:		3
BA-425	International Accounting	
BF-421	International Finance	
BE-403	Economic Growth and Development	
BK-453	International Marketing	
BM-471	Global Management	
Interdisciplinary Requirements (6 credits)		
MA-117	Quantitative Analysis for Business I	3

(MA-117 or MA-118 satisfies Mathematics in General Education)		
IT-150	Information Technology for Business	3
(Satisfies Technological Literacy (TL) in General Education)		
Free Electives (21 credits) [1]		
Complete up to 21 credits of free electives. [1]		21
General Education Requirements (33 credits) [2]		
Complete 33 credits as outlined on the General Education table. [2]		33
Total Credits		**120**

[1] *The number of free electives, if any, will be determined in consultation with your advisor.*

[2] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(p. 44) courses must be completed.*

Notes

- 54 credits must be completed at the 200 level or higher.
- Business majors are required to complete at least 50% of their major and concentration requirements at Monmouth University.

Sequence Chart

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
IT-150 Information Technology for Business (Gen*Ed Technological Literacy (TL)	3	BE-201 Microeconomics	3
Gen*Ed Historical Perspectives (HS.SV)	3	MA-117 Quantitative Analysis for Business I (Gen*Ed Mathematics)	3
Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3	RD, Reasoned Oral Discourse class	3
Gen*Ed AT Aesthetics	3	Gen*Ed Natural Sciences (NS) BY, CE, PH, SC, GL	3
Semester Credits	**15**	**Semester Credits**	**15**

Second Year

Fall	Credits	Spring	Credits
BA-251 Accounting I	3	BF-301 Principles of Finance	3
BM-250 Principles of Management and Organizational Behavior	3	BL-201 Legal Environment of Business I	3
MA-118 Quantitative Analysis for Business II	3	BE-251 Business Statistics	3
EN-2xx Gen*Ed Literature (LIT)	3	BE-202 Macroeconomics	3
Free Elective	3	Free Elective	3
Semester Credits	**15**	**Semester Credits**	**15**

Third Year

Fall	Credits	Spring	Credits
BR-301 Real Estate Law	3	BM-350 Operations Management	3
BK-250 Principles of Marketing	3	BM-327 Ethics, Diversity, and Social Responsibility (Gen*Ed Writing Intensive (WT)	3
BE-304 Money, Credit, and Financial Institutions or BF 304	3	BR-303 Real Estate Finance Investment and Taxation	3
Foreign Language	3	CD/GU	3
Free Elective	3	Free Elective	3
Semester Credits	**15**	**Semester Credits**	**15**

Fourth Year

Fall	Credits	Spring	Credits
BR-305 Real Estate Data Analysis	3	BR-405 Real Estate Development	3
BR-310 Real Estate Appraisal	3	BM-490 Strategic Management (Gen*Ed Experiential Education (ExEd)	3
BX-4XX Global/International Business Course[1]	3	Real Estate Elective	3
Gen*Ed ISP	3	Free Elective	6
Free Elective	3		
Semester Credits	**15**	**Semester Credits**	**15**

Total Credits 120

Minor in Economics (MIN.BUBE)

Code	Title	Credits
BE-201	Microeconomics	3
BE-202	Macroeconomics	3
BE-304	Money, Credit, and Financial Institutions	3
Electives (6 credits)		
Select 6 Credits from Economics (BE) at the 300 level or above		6
Total Credits		**15**

Note

- Not available to students majoring in Business Administration

Minor in Finance (MIN.BUBF)

Code	Title	Credits
Requirements (9 credits)		
BA-251	Accounting I	3
BE-201	Microeconomics	3
BF-301	Principles of Finance	3
Electives (6 credits)		
Two Finance Electives from BF 300+ level [1]		6
Total Credits		**15**

[1] *Students can not take upper level Finance courses without BF-301 Principles of Finance (3 cr.).*

Note

- Not available to students majoring in Business Administration.

Minor in Real Estate (MIN.BUBR)

Code	Title	Credits
BE-201	Microeconomics	3
BA-251	Accounting I	3
BF-301	Principles of Finance *	3
BR-301	Real Estate Law	3
BR-310	Real Estate Appraisal	3

BR-405	Real Estate Development	3
Total Credits		**18**

Note

- MA-117 is required for BF-301
- Not available to students majoring in Business Administration

Management and Leadership

Chair: Joseph McManus, Department of Management and Leadership

Within the Leon Hess Business School (http://www.monmouth.edu/business-school/leon-hess-business-school.aspx), students can pursue a number of academic degree programs (http://www.monmouth.edu/registrar/UG_curriculum_charts/default.asp#business), including those available in the Department of Management and Leadership.

The program prepares students for success through an effective contemporary business education. The program provides an education that helps to qualify its graduates for positions of leadership in both the private and public sectors. Curricula are developed, taught, and regularly updated by faculty members with strong academic and business experience. The faculty members stress the development of critical thinking, sophisticated communications skills, and a flexible managerial perspective.

Monmouth's program in management offers an interdisciplinary approach that prepares graduates to excel in a variety of management positions.

Programs

Majors

- B.S. in Business Administration with a Concentration in Operations, Supply Chain, and Data Management (p. 303)
- B.S. in Business Administration with a Concentration in Small Business Management and Entrepreneurship (p. 304)
- B.S. in Business Administration with a Concentration in Leadership and Organizational Development (p. 305)

Minors

- Minor in Business Administration (p. 305)
- Minor in Entrepreneurship (p. 306)
- Minor in General Management (p. 306)

Faculty

John S. Buzza, Senior Specialist Professor. B.S., Monmouth University; M.A., University of Phoenix. Primary interests include teaching, entrepreneurial endeavors, and philanthropic activities.
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Edward Christensen, Associate Professor (Graduate Faculty). A.S., George Washington University; B.S., Southern Illinois University; M.B.A., Ph.D., Rutgers University. Specializes in management information systems organization and administration, including the use of information technology to support decision-making and strategy.
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Scott Jeffrey, Associate Professor (Graduate Faculty). B.S.C., M.B.A., Santa Clara University; Ph.D., University of Chicago. Performs research on the use of incentives and goal setting in organizations. Particularly focuses on non-cash tangible incentives such as travel and merchandise.
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Joseph McManus, Associate Professor and Chair (Graduate Faculty). M.B.A., Pepperdine University; J.D., Rutgers University Law School, Camden; Ph.D., Rutgers University. Research interests include organizational misconduct, business ethics, corporate social responsibility, and social entrepreneurship.
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Courses

BM-198 Special Topics in Management **Credits: 1-3**
Course Type(s): None
An intensive study of a particular subject or problem in management to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

BM-200 Introduction to Business **Credits: 3**
Term Offered: All Terms
Course Type(s): None
An interdisciplinary view of the theory and practices of the components in business functions as they are contingent for the owner's success to seek out opportunities and avoid pitfalls. For non-Business majors only.

BM-201 Survey of Management and Marketing **Credits: 3**
Prerequisite(s): BM-200
Term Offered: Spring Term
Course Type(s): None
An overview of the theories and practices of Management and Marketing and how they relate to businesses, the business environment, customers, employees, the global village, and compliance with rules, regulations and the law. For non-Business majors only.

BM-210 A Survey of Entrepreneurship **Credits: 3**
Prerequisite(s): BA-200, BE-200, BF-200 BL-200 and BM-200
Course Type(s): None
An overview of the theories and practices that focus on the tasks and activities of the small business owner, from the concept to the reality of researching venture feasibility, financing the business, launching the business, and managing growth. For non-Business majors only.

BM-225 Business Writing and Communication **Credits: 3**
Prerequisite(s): EN-101 and EN-102, or permission of the instructor
Term Offered: All Terms
Course Type(s): RD, WT
Designed for the future business professional. It introduces students to a variety of technical and business writing theories and practices relevant to business communications in the real world. The course will cover oral and written communication and how to make communication more effective.

BM-250 Principles of Management and Organizational Behavior **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Management functions, including planning, organizing, staffing, directing, and controlling; the theory and practice as they are contingent on the behavior of people in organizations and on the organizational environment. Students must have a Sophomore or higher standing to take this course.

BM-311 Management Data Analytics **Credits: 3**
Prerequisite(s): BM-250 passed with a grade of C or better; IT-100 or IT-150; BE-251
Term Offered: All Terms
Course Type(s): None
The course provides an overview of data analytics and its use in supporting the decision making process for managers. The course emphasizes database management, data analytics, and data visualization processes and applications.

BM-327 Ethics, Diversity, and Social Responsibility **Credits: 3**
Prerequisite(s): BM-250, BK-250, Junior standing and EN-101 and EN-102 or permission of the instructor
Co-requisite(s): BF-301
Term Offered: All Terms
Course Type(s): SJL, WT
Explores and applies alternative ethical and justice viewpoints to economic, political, and social problems inherent in contemporary business practice. Presents a focus on management with an increasingly diverse workforce and increasingly complex criteria for measuring organizational performance.

BM-350 Operations Management **Credits: 3**
Prerequisite(s): BM-250
Co-requisite(s): BE-251
Term Offered: All Terms
Course Type(s): None
This course is an introduction to the concepts, principles, problems, and practices of operations management. Emphasis is placed on managerial processes for effective operations in both goods-producing and service-rendering organization with a specific focus on operations management applications to other functional business areas, such as finance, accounting, marketing and real estate. Topics include operations strategy, goods and service design, process design, capacity planning, facilities location and design, forecasting, production scheduling, inventory control, resource management, supply chain management, quality assurance, and project management.

BM-351 Renewable Energy **Credits: 3**
Prerequisite(s): BM-250 or Permission of Instructor
Term Offered: All Terms
Course Type(s): None
Students will become acquainted with the promise of renewable energy to replace a significant portion of fossil fuels. Each renewable energy source (biomass, solar, wind, hydro, geothermal, ocean currents and waves, and nuclear) will be examined for their mutual advantages and disadvantages, their future role in satisfying energy needs of a modern society and in promoting sustainability in corporations.

BM-388 Cooperative Education: Management Concentration **Credits: 3**
Prerequisite(s): BM-250, a minimum G.P.A. of 2.00 and completion of thirty credits, fifteen of which are earned at Monmouth University
Term Offered: Spring Term
Course Type(s): None
An opportunity to apply classroom theory in practice through actual work experience; includes both academic and experiential education. Experiential education involves fifteen to twenty hours of work per week for three credit hours. Academic aspects include reading assignments and a term paper. May be repeated for credit. Departmental approval is required to take this course.

BM-389 Internship in Management **Credits: 1-3**
Prerequisite(s): Junior standing, BM-250, BK-250, and a minimum G.P.A. of 2.00
Term Offered: Fall Term
Course Type(s): None
An opportunity to apply classroom theory in practice through actual work experience; includes both academic and experiential learning. Experiential part involves fifteen to twenty hours of work experience per week for three credit hours; academic aspect includes reading assignments and a term paper. Students are limited to nine credits of internship electives. Repeatable twice for credit.

BM-398 Special Topics in Management (300 Level) Credits: 1-3
Course Type(s): None
An intensive study of a particular subject or problem in management, to be announced prior to registration. The course may be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

BM-399 Independent Study in Management Credits: 3
Term Offered: All Terms
Course Type(s): None
Independent study on a Business Administration topic not substantially treated in a regular course; work will include scheduled conferences with sponsoring professor and written reports. Prior permission of the directing professor and department chair is required to take this course.

BM-402 Business Modeling and Analysis Credits: 3
Prerequisite(s): BM-250 passed with a grade of C or higher and BM-350
Term Offered: All Terms
Course Type(s): None
Decision-making within a business/management science framework; modeling of business systems/problems and the application of quantitative, statistical, and computer analyses.

BM-403 Management of Technology Credits: 3
Prerequisite(s): BM-250 passed with a grade of C or higher
Term Offered: Spring Term
Course Type(s): None
The application of management to technology, response to technological organizational structure, and management's role to assess innovations and conflicts of change that affect society and business. Analysis of technical systems and understanding uses of technology.

BM-404 Human Resources Management Credits: 3
Prerequisite(s): BM-250 passed with a grade of C or higher
Term Offered: All Terms
Course Type(s): None
Employment planning; job analyses, job descriptions, employee evaluations, and legal compliance; staffing and selection process; performance ratings; training and development; compensation and benefits; equal rights; and labor relations and topics relative to the management of human resources.

BM-408 Logistics and Supply Management Credits: 3
Prerequisite(s): BM-250 passed with a grade of C or higher and BM-350
Term Offered: All Terms
Course Type(s): None
Logistics is an integrative activity uniting suppliers, providers of goods and services, and customers. It is also a global activity where the suppliers, providers, and customers may be located all over the world. In order to emphasize the global aspects of logistics and the impact of geopolitics on logistical systems, the course will focus on the logistics of energy transportation: primarily oil plus liquefied petroleum gases. This course will cover the differing perspectives of users (oil companies) and providers (tanker owning companies) and financial institutions that support providers. International efforts to deal with oil pollution and other forms of pollution from ships will be investigated. The role of trucks, railroads, airlines, and pipelines in domestic logistics will be described along with the role of containerization and intermodalism in global logistics. Supply chain management as practiced by a number of different companies will be covered via lecture and student presentations.

BM-411 Business Data Management Credits: 3
Prerequisite(s): BM-250 passed with a grade of C or higher, BE-251, BM-311, and Junior standing
Term Offered: Fall Term
Course Type(s): TPS
The objective of Business Data Management (BDM) is to engage the students with a broad introduction to and a basic understanding of the data lifecycle, from its generation, transformation, use, and retirement as a vital capability for conducting any profitable business operation. Emphasis is placed on gaining the ability to organize, process, distribute, and sift through high levels of data in order to make informed, timely, and accurate decisions. Outcomes are assessed through a series of analysis, design, and implementation of digital information systems, encompassing design/modeling, storage, retrieval, and visualization at a fundamental level.

BM-423 Human Relations in Management Credits: 3
Prerequisite(s): BM-250 passed with a grade of C or higher
Term Offered: Spring Term
Course Type(s): None
Study of human relations in organizations with particular emphasis on leadership, changing work values, cross-cultural relations, legal compliance for conflict resolution, labor legislation.

BM-424 Conflict Resolution and Negotiations Credits: 3
Prerequisite(s): BM-250 passed with a grade of C or higher, BL-201, and Junior standing
Term Offered: Spring Term
Course Type(s): None
Designed to help students learn the fundamentals of negotiation processes. The course will be taught based upon weekly experiential cases whereby students will assume a role in a negotiation and negotiate with a partner.

BM-427 Sustainability for Business Credits: 3
Prerequisite(s): BM-250 or Permission of Instructor
Term Offered: All Terms
Course Type(s): None
This course looks at the important area of sustainability and why it must be driven by businesses in order to have any chance of success. Many people believe sustainability to be a synonym for 'green' and that it only focuses on the environment. This is not accurate as true business sustainability also includes societal and economic factors, or what was called the "Triple Bottom Line" by John Elkington. Colloquially known as the 3 Ps or people, planet, and profit, business sustainability includes impact on societal stakeholders (consumer and employees), as well as profit which is necessary for a business to continue.

BM-431 Behavioral Decision Making in Business Credits: 3
Prerequisite(s): BE-201 or BE-202, BE-251, BF-301, BM-250, BK-250; or permission of instructor.
Term Offered: All Terms
Course Type(s): None
Students are introduced to the increasingly relevant concept of behavioral economics and behavioral decision making. The course will cover normative, descriptive, and prescriptive decision making models and their relevance to management. Also discussed will be application of topics to business disciplines such as accounting, marketing, and finance.

BM-432 Hospitality Management and Marketing Credits: 3
Prerequisite(s): BM-250 passed with a grade of C or higher and BK-250
Course Type(s): None
The goal of this course is to provide the student with an introduction into the hospitality industry and the basics of its many components. We will examine industry trends, the corporate profiles of industry leaders, and the various and diverse schools of thought that exist in the strategic management of hospitality, and, finally, detail all the opportunities that the hospitality industry affords graduates of secondary institutions.

BM-451 Entrepreneurship Credits: 3
Prerequisite(s): BM-250 passed with a grade of C or higher and BK-250
Term Offered: All Terms
Course Type(s): None
The course builds the practical skills and knowledge needed to create and manage an entrepreneurial venture. Specifically the course develops students' capabilities to create a novel business concept, research venture feasibility, finance entrepreneurial ventures, and provides them with practical experience regarding the process of a formal launch of a venture.

BM-456 Franchising Credits: 3
Prerequisite(s): BM-250 passed with a grade of C or higher
Term Offered: Spring Term
Course Type(s): None
Explores the practical skills and knowledge needed to create and/or manage a franchise business from the perspective of both a franchisor and a franchisee. Specifically the course develops student capabilities to identify franchising opportunities, to plan and marshal the resources to operate a successful franchise, and to generate value through a franchise platform.

BM-471 Global Management Credits: 3
Prerequisite(s): BM-250 passed with a grade of C or higher, BK-250, and EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): WT
Management activities, processes, and procedures in directing an enterprise on a global basis, including the interplay of diverse, cultural environments.

BM-481 Leadership and Team Development Credits: 3
Prerequisite(s): BM-250 passed with a grade of C or higher
Term Offered: Fall Term
Course Type(s): None
Designed to help students understand the basics of team functioning, when to use group and individual decision making, and how to manage teams effectively as an influential leader.

BM-482 Small Business Management/Marketing Credits: 3
Prerequisite(s): BM-250 passed with a grade or C or higher and BK-250
Term Offered: All Terms
Course Type(s): None
Examines the various approaches to running a business that has either been started previously by the Entrepreneurship class or been submitted to us for development and council.

BM-483 Project Management Credits: 3
Prerequisite(s): BM-250 passed with a grade of C or higher
Term Offered: Spring Term
Course Type(s): None
Project management is introduced from an applied managerial perspective with an emphasis on the behaviors, tools, and topics that managers will encounter throughout the life cycle of a project. The overall project phases of initiating, planning and design, executing, monitoring and controlling, and closing projects will be covered.

BM-488 Cooperative Education: Management Concentration Credits: 3
Prerequisite(s): BM-250, a minimum G.P.A. of 2.00, and completion of thirty credits, fifteen of which are earned at Monmouth University
Course Type(s): None
An opportunity to apply classroom theory in practice through actual work experience; includes both academic and experiential education. Experiential education involves fifteen to twenty hours of work per week for three credit hours. Academic aspects include reading assignments and a term paper. This course may be repeated for credit. Departmental approval is required to take this course.

BM-489 Internship in Management Credits: 3
Prerequisite(s): Junior standing, BM-250, BK-250, and a minimum G.P.A. of 2.00
Term Offered: All Terms
Course Type(s): None
An opportunity to apply classroom theory in practice through actual work experience; includes both academic and experiential learning. Experiential part involves fifteen to twenty hours of work experience per week for three credit hours; academic aspect includes reading assignments and a term paper. Students are limited to nine credits of internship electives. Repeatable twice for credit.

BM-490 Strategic Management Credits: 3
Prerequisite(s): BA-252, BE-202, BF-301, and BM-350
Co-requisite(s): BM-327
Term Offered: All Terms
Course Type(s): EX5
Integrates all disciplines of undergraduate study in business administration; emphasizes analysis of real-world organizational problems and opportunities in the total enterprise; capstone approach to executive development.

BM-498 Special Topics in Management (400 Level) Credits: 1-3
Term Offered: All Terms
Course Type(s): None
An intensive study of a particular subject or problem in management to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

BM-499 Independent Study in Management Credits: 3
Term Offered: All Terms
Course Type(s): None
Independent study on a Business Administration topic not substantially treated in a regular course; work will include scheduled conferences with sponsoring professor and written reports. Prior permission of the directing professor and department chair is required to take this course.

B.S. in Business Administration with a Concentration in Operations, Supply Chain, and Data Management (BUBOSD.BS)

Code	Title	Credits
Major Requirements/Business (33 credits)		
BA-251	Accounting I	3
BE-201	Microeconomics	3
(Satisfies Social Science (SS.SV) in General Education)		
BE-202	Macroeconomics	3
Satisfies Social Science (SS.SV) in General Education		
BF-301	Principles of Finance	3
BL-201	Legal Environment of Business I	3
BK-250	Principles of Marketing	3
BM-250	Principles of Management and Organizational Behavior	3
BE-251	Business Statistics	3
BM-327	Ethics, Diversity, and Social Responsibility	3
BM-350	Operations Management	3
BM-490	Strategic Management	3
Concentration Requirements/Operations, Supply Chain, and Data Management (27 credits)		
Select 9 credits in Management at the 300 level or higher		9
BM-311	Management Data Analytics	3
BM-402	Business Modeling and Analysis	3
BM-403	Management of Technology	3
or BM-411	Business Data Management	
BM-408	Logistics and Supply Management	3
BM-471	Global Management	3
BM-483	Project Management	3
Interdisciplinary Requirements (6 credits)		
MA-117	Quantitative Analysis for Business I	3
(Satisfies Mathematics in General Education)		
IT-150	Information Technology for Business	3
(Satisfies Technological Literacy (TL) in General Education)		
Free Electives (21 credits) [1]		
Select 21 credits of free electives [1]		21
General Education Requirements (33 credits) [2]		
Complete 33 credits as outlined on the General Education table. [2]		33
Total Credits		**120**

[1] *Please consult with your advisor regarding the required number of free electives that must be completed.*

[2] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(p. 44) courses must be completed.*

Notes

- 54 credits must be completed at the 200 level or higher.
- Business majors are required to complete at least 50% of their major and concentration requirements at Monmouth University.

Sequence Chart

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
IT-150 Information Technology for Business (Gen*Ed Technological Literacy (TL)	3	MA-117 Quantitative Analysis for Business I (Gen*Ed Mathematics)	3
Gen*Ed Historical Perspectives (HS.SV)	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3	Gen*Ed Aesthetics AR,DA,MU,TH	3
FO-xxx Gen*Ed World Language	3	Free Elective	3
Semester Credits	**15**	**Semester Credits**	**15**

Second Year

Fall	Credits	Spring	Credits
BA-251 Accounting I	3	BE-202 Macroeconomics	3
BK-250 Principles of Marketing	3	BE-251 Business Statistics	3
BE-201 Microeconomics (Gen*Ed Social Science Survey (SS.SV)	3	BL-201 Legal Environment of Business I	3
EN-2xx Gen*Ed Literature (LIT)	3	BM-250 Principles of Management and Organizational Behavior	3
"RD" Reasoned Oral Discourse class	3	Free Elective	3
Semester Credits	**15**	**Semester Credits**	**15**

Third Year

Fall	Credits	Spring	Credits
BF-301 Principles of Finance	3	BM-350 Operations Management	3
BM-311 Management Data Analytics	3	BM-402 Business Modeling and Analysis	3
Gen*Ed Cultural Diversity (CD) or Global Understanding (GU)	3	BM-403 Management of Technology (OR BM-411 Data Management)	3
Free Elective	3	BM-300+ Management Elective	6
BM-300+ Management Elective	3		
Semester Credits	**15**	**Semester Credits**	**15**

Fourth Year

Fall	Credits	Spring	Credits
BM-327 Ethics, Diversity, and Social Responsibility (Gen*Ed Writing Intensive (WT)	3	BM-483 Project Management	3
BM-408 Logistics and Supply Management	3	BM-490 Strategic Management (Gen*Ed Experiential Education (ExEd)	3
BM-471 Global Management	3	PR-4xx Gen*Ed Interdisciplinary Perspectives (ISP)	3
Free Electives	6	Free Electives	6
Semester Credits	**15**	**Semester Credits**	**15**

Total Credits 120

B.S. in Business Administration with a Concentration in Small Business Management and Entrepreneurship (BUBSBM.BS)

Code	Title	Credits
Major Requirements/Business (33 credits)		
BA-251	Accounting I	3
BE-201	Microeconomics	3
(Satisfies Social Science (SS.SV) in General Education)		
BE-202	Macroeconomics	3
(Satisfies Social Science (SS.SV) in General Education)		
BF-301	Principles of Finance	3
BL-201	Legal Environment of Business I	3
BK-250	Principles of Marketing	3
BM-250	Principles of Management and Organizational Behavior	3
BE-251	Business Statistics	3
BM-327	Ethics, Diversity, and Social Responsibility	3
BM-350	Operations Management	3
BM-490	Strategic Management	3
Concentration Requirements/Small Business Management and Entrepreneurship (27 credits)		
Select 9 credits in Management at the 300 level or higher		9
BM-311	Management Data Analytics	3
BM-432	Hospitality Management and Marketing	3
BM-451	Entrepreneurship	3
BM-456	Franchising	3
BM-471	Global Management	3
BM-482	Small Business Management/Marketing	3
Interdisciplinary Requirements (6 credits)		
MA-117	Quantitative Analysis for Business I	3
(Satisfies Mathematics in General Education)		
IT-150	Information Technology for Business	3
(Satisfies Technological Literacy (TL) in General Education)		
Free Electives (21 credits) [1]		
Select up to 21 credits of free electives [1]		21
General Education Requirements (33 credits) [2]		
Complete 33 credits as outlined on the General Education table. [2]		33
Total Credits		**120**

[1] *Please consult with your advisor regarding the required number of free electives that must be completed.*

[2] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education (p. 44) *courses must be completed.*

Notes

- 54 credits must be completed at the 200 level or higher.
- Business majors are required to complete at least 50% of their major and concentration requirements at Monmouth University.

Sequence Chart

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
IT-150 Information Technology for Business (Gen*Ed Technological Literacy (TL)	3	MA-117 Quantitative Analysis for Business I (Gen*Ed Mathematics)	3
Gen*Ed Historical Perspectives (HS.SV)	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3	Gen*Ed Aesthetics (AT) AR,DA,MU,TH	3
FO-xxx Gen*Ed World Language	3	Free Elective	3
Semester Credits	**15**	**Semester Credits**	**15**

Second Year

Fall	Credits	Spring	Credits
RD, Reasoned Oral Discourse class	3	BE-202 Macroeconomics	3
BA-251 Accounting I	3	BE-251 Business Statistics	3
BK-250 Principles of Marketing	3	BL-201 Legal Environment of Business I	3
BE-201 Microeconomics (Gen*Ed Social Science Survey (SS.SV)	3	BM-250 Principles of Management and Organizational Behavior	3
EN-2xx Gen*Ed Literature (LIT)	3	Free Elective	3
Semester Credits	**15**	**Semester Credits**	**15**

Third Year

Fall	Credits	Spring	Credits
BF-301 Principles of Finance	3	BM-350 Operations Management	3
BM-311 Management Data Analytics	3	BM-456 Franchising	3
BM-300+ Management Elective	3	BM-300+ Management Elective	6
Free Elective	6	Free Elective	3
Semester Credits	**15**	**Semester Credits**	**15**

Fourth Year

Fall	Credits	Spring	Credits
BM-327 Ethics, Diversity, and Social Responsibility (Gen*Ed Writing Intensive (WT)	3	BM-471 Global Management	3
BM-432 Hospitality Management and Marketing	3	BM-482 Small Business Management/Marketing	3
BM-451 Entrepreneurship	3	BM-490 Strategic Management	3
Gen*Ed Cultural Diversity (CD) or Global Understanding (GU)	3	PR-4xx Gen*Ed Interdisciplinary Perspectives (ISP)	3
Free Elective	3	Free Elective	3
Semester Credits	**15**	**Semester Credits**	**15**

Total Credits 120

B.S. in Business Administration with a Concentration in Leadership and Organizational Development (BUBLOD.BS)

Code	Title	Credits
Major Requirements/Business (33 credits)		
BA-251	Accounting I	3
BE-201	Microeconomics	3
BE-202	Macroeconomics	3
(BE-201 and BE-202 satisfy Social Science Survey (SS.SV) in General Education)		
BF-301	Principles of Finance	3
BL-201	Legal Environment of Business I	3
BK-250	Principles of Marketing	3
BM-250	Principles of Management and Organizational Behavior	3
BE-251	Business Statistics	3
BM-327	Ethics, Diversity, and Social Responsibility	3
BM-350	Operations Management	3
BM-490	Strategic Management	3
Concentration Requirements/Leadership and Organizational Development (27 credits)		
Select 9 credits in Management at the 300 level or higher		9
BM-311	Management Data Analytics	3
BM-404	Human Resources Management	3
BM-423	Human Relations in Management	3
BM-424	Conflict Resolution and Negotiations	3
BM-471	Global Management	3
BM-481	Leadership and Team Development	3
Interdisciplinary Requirements (6 credits)		
MA-117	Quantitative Analysis for Business I	3
IT-150	Information Technology for Business	3
Free Electives (21 credits) [1]		
Select 21 credits of free electives [1]		21
General Education Requirements (33 credits) [2]		
Complete up to 33 credits as outlined on the General Education table. [2]		33
Total Credits		**120**

[1] *Please consult with your advisor regarding the required number of free electives that must be completed.*

[2] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(p. 44) courses must be completed*

Notes

- 54 credits must be completed at the 200 level or higher.
- Business majors are required to complete at least 50% of their major and concentration requirements at Monmouth University.

Sequence Chart

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
Gen*Ed Historical Perspectives (HS.SV)	3	MA-117 Quantitative Analysis for Business I (Gen*Ed Mathematics)	3
Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3	Gen*Ed Aesthetics (AT) AR,DA,MU,TH	3
IT-150 Information Technology for Business (Gen*Ed Technological Literacy (TL))	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
FO-xxx Gen*Ed World Language	3	Free Elective	3
Semester Credits	**15**	**Semester Credits**	**15**

Second Year

Fall	Credits	Spring	Credits
RD, Reasoned Oral Discourse class	3	BL-201 Legal Environment of Business I	3
BA-251 Accounting I	3	BE-202 Macroeconomics	3
BK-250 Principles of Marketing	3	BE-251 Business Statistics	3
BE-201 Microeconomics (Gen*Ed Social Science Survey (SS.SV)	3	BM-250 Principles of Management and Organizational Behavior	3
EN-2xx Gen*Ed Literature (LIT)	3	Free Elective	3
Semester Credits	**15**	**Semester Credits**	**15**

Third Year

Fall	Credits	Spring	Credits
BF-301 Principles of Finance	3	BM-350 Operations Management	3
BM-311 Management Data Analytics	3	BM-404 Human Resources Management	3
BM-300+ Management Elective	3	BM-300+ Management Elective	6
Free Elective	6	Free Elective	3
Semester Credits	**15**	**Semester Credits**	**15**

Fourth Year

Fall	Credits	Spring	Credits
BM-327 Ethics, Diversity, and Social Responsibility (Gen*Ed Writing Intensive (WT)	3	BM-424 Conflict Resolution and Negotiations	3
BM-423 Human Relations in Management	3	BM-481 Leadership and Team Development	3
BM-471 Global Management	3	BM-490 Strategic Management (Gen*Ed Experiential Education (ExEd))	3
Gen*Ed Cultural Diversity (CD) or Global Understanding (GU)	3	Gen*Ed Interdisciplinary Perspectives (ISP)	3
Free Elective	3	Free Elective	3
Semester Credits	**15**	**Semester Credits**	**15**

Total Credits 120

Minor in Business Administration (MIN.BU)

Code	Title	Credits
BA-251	Accounting I	3
BE-201	Microeconomics [1]	3
or BE-202	Macroeconomics	
BF-301	Principles of Finance [1]	3
or BE-304	Money, Credit, and Financial Institutions	
or BF-304	Money, Credit, and Financial Institutions	
BM-250	Principles of Management and Organizational Behavior	3

BK-250	Principles of Marketing	3
Total Credits		**15**

[1] BE-201 must be taken with BF-301, BE-202 must be taken with BE/BF-304.

Note

- Not available to students majoring in Business Administration.

Minor in Entrepreneurship (MIN.ENT)

Code	Title	Credits
BK-250	Principles of Marketing	3
BM-250	Principles of Management and Organizational Behavior	3
BM-451	Entrepreneurship	3
Select 3 credits from the following:		*3*
BK-407	Digital Marketing	
BK-457	Social Media Marketing	
BM-225	Business Writing and Communication	
CO-221	Introduction to Digital Media	
CO-293	Social Media	
MU-301	The Business of Music	
Select 3 credits from the following:		3
BM-432	Hospitality Management and Marketing	
BM-456	Franchising	
BM-482	Small Business Management/Marketing	
Total Credits		**15**

Note: Not available to students majoring in Business Administration.

Minor in General Management (MIN.BUGM)

Code	Title	Credits
BM-200	Introduction to Business	3
BM-250	Principles of Management and Organizational Behavior	3
BK-250	Principles of Marketing	3
BM-404	Human Resources Management	3
BM-451	Entrepreneurship	3
BM-481	Leadership and Team Development	3
BM-482	Small Business Management/Marketing	3
Total Credits		**21**

Note

- Not available to students majoring in Business Administration.

Marketing and International Business

Chair: Min Hua Lu, Department of Marketing and International Business

Within the Leon Hess Business School (http://www.monmouth.edu/business-school/about-leon-b.-hess.aspx), students can pursue a number of academic degree programs (http://www.monmouth.edu/university/undergraduate-programs.aspx#business), including those available in the Department of Marketing and International Business.

The program prepares students for success through an effective contemporary business education. The program provides an education that helps to qualify its graduates for positions of leadership in both the private and public sectors. Curricula are developed, taught, and regularly updated by faculty members with strong academic and business experience. The faculty members stress the development of critical thinking, sophisticated communications skills, and a flexible managerial perspective.

Students are primed for leadership through a comprehensive curriculum that prepares them to assume responsibility in every phase of marketing.

Programs

Majors

- B.S. in Business Administration with a Concentration in International Business (p. 312)
- B.S. in Business Administration with a Concentration in Marketing (p. 310)
- B.S. in Business Administration with a Concentration in Marketing and Management (p. 311)

Minor

- Marketing (p. 313)

Faculty

Ashley Bosonac, Lecturer. B.S., Virginia Polytechnic Institute and State University; MBA, Duquesne University; Ph.D., Old Dominion University abosonac@monmouth.edu

Michael Chattalas, Assistant Professor (Graduate Faculty). B.S., University of Maryland; M.S., Troy State University; M.Phil., Ph.D., Baruch College, City University of New York. International marketing and consumer behavior topics such as, nation-branding and overcoming national stereotypes, luxury consumption, cross-cultural research, and global entrepreneurship. mchattal@monmouth.edu

Raj Devasagayam, Professor (Graduate Faculty). Dean, Leon Hess Business School. B.A., Vikram University, India; M.A., Mumbai University, India; Ph.D., Florida Atlantic University; graduate, Harvard Graduate School of Education. rdevasag@monmouth.edu

Dennis Gallagher, Specialist Professor. B.S., M.S., Rutgers University; M.A., Columbia Business School; PhD., University of Washington. dgallagh@monmouth.edu

Susan Forquer Gupta, Associate Professor (Graduate Faculty). Associate Provost. B.S., M.S., University of Missouri-Columbia; Ph.D., University of Tennessee-Knoxville. Primary interests include international and global marketing and brand management, national

culture measures and cultural value dimensions, environment and behavior and the context of decision making, cross cultural virtual teams, and sustainable (environment, societal, and economic) community development
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Min-Hua Lu, Associate Professor and Chair (Graduate Faculty). B.A., M.A., Beijing Institute of Foreign Trade; D.B.A., George Washington University. Primary interests are in strategic marketing management, international/global marketing management, and global sustainability of economics.
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Nguyen Pham, Associate Professor (Graduate Faculty). B.S., Vietnam University; M.B.A., Rutgers University; Ph.D., Arizona State University. Current research is in the area of marketing focusing on consumer behavior, which involves understanding the role of various psychological processes underlying consumers' judgements and decision making, more specifically: food decision making and consumer well-being; and emotions and consumer-brand relationships.
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Joseph F. Rocereto, Professor (Graduate Faculty). B.A., Dickinson College; M.B.A., Ph.D., Drexel University. Primary research interests are brand anthropomorphization, customer loyalty, strategic branding, and integrated marketing communications. Other interests include the use of color in marketing communications and the effects of self-concept congruity constraints.
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Anna Sadovnikova, Assistant Professor (Graduate Faculty). M.S., Moscow Technical University of Communication and Informatics, Russia; M.B.A., University of Baltimore, Ph.D., McMaster University, Canada.
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Courses

BI-298 Special Topics in International Marketing Credits: 1-3
Course Type(s): None
An intensive study or a particular subject or problem in international marketing, to be announced prior to registration. The course may be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

BI-388 Cooperative Education: International Business Concentration Credits: 3
Course Type(s): None
An opportunity to apply classroom theory in practice through actual work experience: includes both academic and experiential education. Experiential education involves fifteen to twenty hours of work per week for three credit hours. Academic aspects include reading assignments and a term paper. This course may be repeated for credit. Departmental approval is required to take this course, along with successful completion of thirty credits and a minimum G.P.A. of 2.00.

BI-389 Internship in International Business Credits: 3
Prerequisite(s): BM-250, BK-250, BM-471, BK-453, Junior standing, and a minimum G.P.A. of 2.10
Course Type(s): EX1
An opportunity to apply classroom theory in both academic and experiential education. Experiential education involves fifteen to twenty hours of work per week for three credit hours; academic aspect includes reading assignments and a term paper. Students are limited to nine internship free elective credits. This course may be repeated for credit. Departmental approval is required to take this course.

BI-399 Independent Study in International Business Credits: 3
Term Offered: Spring Term
Course Type(s): None
Independent Study on a Business Administration topic not substantially treated in a regular course; work will include scheduled conferences with sponsoring professor and written reports. Prior permission of the directing professor and department chair is required to take this course.

BI-419 Export/Import Marketing and Logistics Credits: 3
Prerequisite(s): BK-250 passed with a grade of C or higher
Term Offered: Spring Term
Course Type(s): None
Export/Import Marketing deals with ways to do business with the global market whether that is through importing or exporting a product or service. This course will cover how and why we import/export, government regulations, marketing strategies, documentation, procedures, tariff & non-tariff barriers, financing, method of payments, transportation, logistics, laws, Free Trade Agreements and related topics. Also listed as BK-419.

BI-488 Cooperative Education: International Business Concentration Credits: 3
Course Type(s): None
An opportunity to apply classroom theory in practice through actual work experience; includes both academic and experiential education. Experiential education involves fifteen to twenty hours of work per week for three credit hours. Academic aspects include reading assignments and a term paper. This course may be repeated for credit. Departmental approval is required to take this course, along with successful completion of thirty credits and a minimum G.P.A. of 2.00.

BI-489 Internship in International Business Credits: 3
Prerequisite(s): BM-250, BK-250, BM-471, BK-453, Junior standing and a minimum G.P.A. of 2.10
Term Offered: All Terms
Course Type(s): None
An opportunity to apply classroom theory in practice through actual work experience; includes both academic and experiential education. Experiential education involves fifteen to twenty hours of work per week for three credit hours; academic aspect includes reading assignments and a term paper. Students are limited to nine internship free elective credits. This course may be repeated for credit. Departmental approval is required to take this course.

BI-498 Special Topics in International Business (400 Level) Credits: 1-3
Prerequisite(s): BK-250 or as announced in the course schedule
Term Offered: Spring Term
Course Type(s): None
An intensive study of a particular subject or problem in International Business to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

BI-499 Independent Study in International Business **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Independent study on a Business Administration topic not substantially treated in a regular course; work will include scheduled conferences with sponsoring professor and written reports. Prior permission of the directing professor and department chair is required to take this course.

BK-250 Principles of Marketing **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Fundamental concepts involved in satisfying consumer objectives through goods and services; consumer characteristics; marketing system environments; middlemen; analysis of consumer and industrial goods; and physical distribution.

BK-298 Special Topics in Marketing (200 Level) **Credits: 1-3**
Course Type(s): None
An intensive study or a particular subject or problem in marketing, to be announced prior to registration. The course may be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

BK-301 Marketing Research **Credits: 3**
Prerequisite(s): BE-251 and BK-250 both passed with a grade of C or higher
Course Type(s): None
Methods, tools, and reasons for marketing research in support of distribution planning and policy formulation by top management; basic planning, questionnaire design, preliminary testing, field interviewing, sampling, data processing and analysis. A grade of "C" or better in BK-301 is required in order to take BK-453 International Marketing and BK-459 Managerial Marketing.

BK-304 Consumer Behavior **Credits: 3**
Prerequisite(s): BK-250 passed with a grade of C or higher
Course Type(s): None
A marketing strategy approach evaluating consumer attitudes and buying patterns; motivational and cognitive aspects of buying behavior; target market identification; and social class relationships. A grade of "C" or better in BK-304 is required in order to take BK-459 Managerial Marketing.

BK-311 Principles of Advertising **Credits: 3**
Prerequisite(s): BK-250 passed with a grade of C or higher
Course Type(s): None
Current practices in advertising, including its purpose and place, preparation and appeal, techniques, layout, and copywriting through visualized layouts and current media.

BK-388 Cooperative Education: Marketing Concentration **Credits: 3**
Prerequisite(s): BK-250 passed with a grade of C or higher, a minimum G.P.A. of 2.00, and completion of thirty credits, fifteen of which have been completed at Monmouth University
Term Offered: All Terms
Course Type(s): None
An opportunity to apply classroom theory in practice through actual work experience; includes both academic and experiential education. Experiential education involves fifteen to twenty hours of work per week for three credit hours. Academic aspects include reading assignments and a term paper. This course may be repeated for credit. Departmental approval is required to take this course.

BK-389 Internship in Marketing **Credits: 1-3**
Prerequisite(s): BM-250, BK-250, Junior standing and a minimum G.P.A. of 2.00
Term Offered: All Terms
Course Type(s): None
An opportunity to apply classroom theory in practice through actual work experience; includes both academic and experiential learning. Experiential part involves fifteen to twenty hours of work experience per week for three credit hours; academic aspect includes reading assignments and a term paper. Students are limited to nine internship free elective credits. Departmental approval is required to take this course.

BK-398 Special Topics in Marketing (300 Level) **Credits: 1-3**
Course Type(s): None
An intensive study of a particular subject or problem in marketing, to be announced prior to registration. The course may be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

BK-399 Independent Study in Marketing **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Independent study on a Business Administration topic not substantially treated in a regular course; work will include scheduled conferences with sponsoring professor and written reports. Prior permission of the directing professor and department chair is required to take this course.

BK-401 Marketing Research **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Methods, tools, and reasons for marketing research in support of distribution planning and policy formulation by top management; basic planning, questionnaire design, preliminary testing, field interviewing, sampling, data processing and analysis.

BK-402 Retail Marketing Management **Credits: 3**
Prerequisite(s): BK-250 passed with a grade of C or higher
Term Offered: Spring Term
Course Type(s): None
Examines marketing within the consumer retail environment. Focuses on fundamental aspects of retailing including retail customer strategy, merchandising trends, display layouts, pricing, vendor relations, and location.

BK-404 Consumer Behavior **Credits: 3**
Term Offered: All Terms
Course Type(s): None
A marketing strategy approach evaluating consumer attitudes and buying patterns; motivational and cognitive aspects of buying behavior; target market identification; and social class relationships.

BK-406 Marketing Analytics **Credits: 3**
Prerequisite(s): BK-250 and BK-301 both passed with a Minimum grade of C or higher.
Term Offered: All Terms
Course Type(s): None
This course introduces students to methods for analyzing data residing in firms' customer databases. We will review all necessary statistical concepts and learn how to use SPSS to conduct a variety of marketing analyses using customer databases. In addition, we will discuss Google Analytics, social listening tools, and data visualization.

BK-407 Digital Marketing **Credits: 3**
Prerequisite(s): BK-250 passed with a grade of C or higher
Term Offered: Fall Term
Course Type(s): None
Digital marketing combines established marketing concepts with the creative use of new digital models and digital tools, such as social media marketing, search engine optimization, mobile and email marketing. Successful students will complete the course with a comprehensive knowledge of how to develop an integrated digital marketing strategy from formulation to implementation.

BK-411 Principles of Advertising **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Current practices in advertising, including its purpose and place, preparation and appeal, techniques, layout, and copywriting through visualized layouts and current media.

BK-419 Export/Import Marketing and Logistics **Credits: 3**
Prerequisite(s): BK-250 passed with a grade of C or higher
Term Offered: Spring Term
Course Type(s): None
Export/Import Marketing deals with ways to do business with the global market whether that is through importing or exporting a product or service. This course will cover how and why we import/export, government regulations, marketing strategies, documentation, procedures, tariff & non-tariff barriers, financing, method of payments, transportation, logistics, laws, Free Trade Agreements and related topics. Also listed as BI-419.

BK-420 Health Care Management and Marketing **Credits: 3**
Prerequisite(s): BM-250, and BK-250 passed with a grade of C or higher
Term Offered: Spring Term
Course Type(s): None
An introductory overview of the U.S. healthcare system and its overall management and marketing issues, including coverage of its past and present political, organizational, socioeconomic, behavioral, human resource, educational, and utilization dimensions.

BK-421 Marketing of Services **Credits: 3**
Prerequisite(s): BK-250 passed with a grade of C or higher
Course Type(s): None
Examines the applications of the conceptual framework of marketing within the service business context. Focuses on the characteristics of the service environment, as well as important considerations in the services marketing-mix strategies.

BK-422 Principles of Personal Selling **Credits: 3**
Prerequisite(s): BK-250 passed with a grade of C or higher
Course Type(s): None
Theory and practice of personal selling; qualifications and preparation of the salesperson, the psychology of selling, and the various steps that enter into the sale itself.

BK-431 Sports Marketing **Credits: 3**
Prerequisite(s): BK-250 passed with a grade of C or higher
Term Offered: Fall Term
Course Type(s): None
Classroom lectures and readings will illuminate the theoretical underpinnings and practical applications of marketing strategies to the collegiate and professional sport, special events, international sport, broadcasting, facility management, and sporting goods industries.

BK-452 Business Marketing **Credits: 3**
Prerequisite(s): BK-250 passed with a grade of C or higher
Term Offered: All Terms
Course Type(s): None
Aspects of marketing raw and semi-manufactured materials; industrial equipment of all kinds and other production goods; focus on product, market, and channel analyses.

BK-453 International Marketing **Credits: 3**
Prerequisite(s): BK-301 passed with a grade of C or higher, EN-101, and EN-102
Term Offered: All Terms
Course Type(s): WT
Analysis of the policy, managerial, and implementation considerations involved in seeking multinational business opportunities with emphasis on the role of environmental and cultural differences in developing strategies for foreign market penetration.

BK-457 Social Media Marketing **Credits: 3**
Prerequisite(s): BK-250 passed with a grade of C or higher, and IT-150 or IT-100
Term Offered: All Terms
Course Type(s): None
Explores marketing strategies and tactics to gain website traffic, brand exposure, consumer insight, customer engagement, and sales through social media platforms. Social media marketing is a dynamic component of integrated marketing communications, and as such it must be carefully coordinated within the branding and promotional mix as well as across paid, owned and earned media through a comprehensive social media marketing plan.

BK-459 Managerial Marketing **Credits: 3**
Prerequisite(s): BK-301 and BK-304 both passed with a grade of C or higher
Term Offered: All Terms
Course Type(s): None
Application of management principles to the integrated marketing function, both internally within the various units of the marketing division and externally in coordination with the other major divisions of the company.

BK-480 Business Research: Marketing **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Active participation in a research project chosen by and currently being pursued by the faculty sponsor. Student activities may include but are not limited to: literature search, data collection, data analysis, preparation of a manuscript, and delivery of a manuscript.

BK-488 Cooperative Education: Marketing Concentration **Credits: 3**
Prerequisite(s): BK-250 passed with a grade of C or higher, a minimum G.P.A. of 2.00 and completion of thirty credits, fifteen of which have been earned at Monmouth University
Term Offered: All Terms
Course Type(s): None
An opportunity to apply classroom theory in practice through actual work experience; includes both academic and experiential education. Experiential education involves fifteen to twenty hours of work per week for three credit hours. Academic aspects include reading assignments and a term paper. This course may be repeated for credit. Departmental approval is required to take this course.

BK-489 Internship in Marketing **Credits: 3**
Prerequisite(s): BM-250, BK-250 passed with a grade of C or higher, Junior standing and a minimum G.P.A. of 2.00
Term Offered: All Terms
Course Type(s): None
An opportunity to apply classroom theory in practice through actual work experience; includes both academic and experiential learning. Experiential part involves fifteen to twenty hours of work experience per week for three credit hours; academic aspect includes reading assignments and a term paper. Students are limited to nine internship free elective credits.

BK-498 Special Topics in Marketing (400 Level) **Credits: 1-3**
Prerequisite(s): BK-250 passed with a minimum grade of C or higher, or as announced in the course schedule
Term Offered: All Terms
Course Type(s): None
An intensive study of a particular subject or problem in marketing to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis.

BK-499 Independent Study in Marketing **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Independent study on a Business Administration topic not substantially treated in a regular course; work will include scheduled conferences with sponsoring professor and written reports. Prior permission of the directing professor and department chair is required to take this course.

B.S. in Business Administration with a Concentration in Marketing (BUBK.BS)

Code	Title	Credits
Major Requirements/Business (33 credits)		
BA-251	Accounting I	3
BE-201	Microeconomics	3
(BE-201 or BE-202 satisfies Social Science Survey (SS.SV) in General Education)		
BE-202	Macroeconomics	3
BF-301	Principles of Finance	3
BL-201	Legal Environment of Business I	3
BK-250	Principles of Marketing	3
BM-250	Principles of Management and Organizational Behavior	3
BE-251	Business Statistics	3
BM-327	Ethics, Diversity, and Social Responsibility	3
BM-350	Operations Management	3
BM-490	Strategic Management	3
Concentration Requirements/Marketing (30 credits)		
BK-301	Marketing Research	3
BK-304	Consumer Behavior	3
BK-311	Principles of Advertising	3
BK-453	International Marketing	3
BK-459	Managerial Marketing	3
BK-406	Marketing Analytics	3
CO-225	Business and Professional Communication	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
Select 9 credits in Marketing (BK) at the 300-level or higher		9
Interdisciplinary Requirements (6 credits)		
MA-117	Quantitative Analysis for Business I	3
(Satisfies Mathematics in General Education)		
IT-150	Information Technology for Business	3
(Satisfies Technological Literacy (TL) in General Education)		
Free Electives (21 credits) [1]		
Complete up to 21 credits of free electives. [1]		21
General Education Requirements (30 credits) [2]		
Complete 30 credits as outlined on the General Education table. [2]		30
Total Credits		**120**

[1] *Please consult with your advisor regarding the required number of free electives that must be completed.*

[2] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education (p. 44) *courses must be completed.*

Notes

- 54 credits must be completed at the 200 level or higher.
- Business majors are required to complete at least 50% of their major and concentration requirements at Monmouth University.

Sequence Chart

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
IT-150 Information Technology for Business (Gen*Ed Technological Literacy (TL)	3	MA-117 Quantitative Analysis for Business I	3
Gen*Ed Historical Perspectives (HS.SV)	3	Gen*Ed Aesthetics (AT) AR,DA,MU,TH	3
Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
FO-xxx Gen*Ed World Language	3	Free Elective	3
Semester Credits	**15**	**Semester Credits**	**15**

Second Year

Fall	Credits	Spring	Credits
BA-251 Accounting I	3	CO-225 Business and Professional Communication	3
BK-250 Principles of Marketing	3	(RD, Reasoned Oral Discourse class)	
BE-201 Microeconomics (Gen*Ed Social Science Survey (SS.SV)	3	BL-201 Legal Environment of Business I	3
BM-250 Principles of Management and Organizational Behavior	3	BE-202 Macroeconomics	3
EN-2xx Gen*Ed Literature (LIT)	3	BK-304 Consumer Behavior	3
		BE-251 Business Statistics	3
Semester Credits	**15**	**Semester Credits**	**15**

Third Year

Fall	Credits	Spring	Credits
BF-301 Principles of Finance	3	BM-350 Operations Management	3

BK-301 Marketing Research	3	BK-406 Marketing Analytics	3
BK-311 Principles of Advertising	3	Gen*Ed Cultural Diversity (CD) or Global Understanding (GU)	3
BK-300+ Marketing Elective	3	BK-300+ Marketing Elective	3
Free Elective	3	Free Elective	3
Semester Credits	**15**	**Semester Credits**	**15**

Fourth Year

Fall	Credits	Spring	Credits
BM-327 Ethics, Diversity, and Social Responsibility (Gen*Ed Writing Intensive (WT)	3	BK-459 Managerial Marketing	3
BK-453 International Marketing (Gen*Ed Writing Intensive (WT)	3	BM-490 Strategic Management	3
BK-300+ Marketing Elective	6	PR-4xx Gen*Ed Interdiscipliinary Perspectives (ISP)	3
Free Elective	3	Free Electives	6
Semester Credits	**15**	**Semester Credits**	**15**

Total Credits 120

B.S. in Business Administration with a Concentration in Marketing and Management (BUBKM.BS)

Code	Title	Credits
Major Requirements/Business (33 credits)		
BA-251	Accounting I	3
BE-201	Microeconomics	3
(BE-201 or BE-202 satisfies Social Science Survey (SS.SV) in General Education)		
BE-202	Macroeconomics	3
(BE-201 or BE-202 satisfies Social Science Survey (SS.SV) in General Education)		
BF-301	Principles of Finance	3
BL-201	Legal Environment of Business I	3
BK-250	Principles of Marketing	3
BM-250	Principles of Management and Organizational Behavior	3
BE-251	Business Statistics	3
BM-327	Ethics, Diversity, and Social Responsibility	3
BM-350	Operations Management	3
BM-490	Strategic Management	3
Concentration Requirements/Marketing & Management (39 credits)		
BK-301	Marketing Research	3
BK-304	Consumer Behavior	3
BK-311	Principles of Advertising	3
BK-459	Managerial Marketing	3
BM-311	Management Data Analytics	3
BM-404	Human Resources Management	3
BM-471	Global Management	3
or BK-453	International Marketing	
BM-402	Business Modeling and Analysis	3
or BM-408	Logistics and Supply Management	
BM-451	Entrepreneurship	3
Select 6 credits in Management (BM) at the 300-level or higher		6
Select 6 credits in Marketing (BK) at the 300-level or higher		6
Interdisciplinary Requirements (6 credits)		
MA-117	Quantitative Analysis for Business I	3
(Satisfies Mathematics in General Education)		
IT-150	Information Technology for Business	3
(Satisfies Technological Literacy (TL) in General Education)		
Free Electives (9 credits) [1]		
Select up tp 9 free elective credits. [1]		9
General Education Requirements (33 credits) [2]		
Complete 33 credits as outlined on the General Education table. [2]		33
Total Credits		**120**

[1] *Please consult with your advisor regarding the required number of free electives that must be completed.*

[2] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(p. 44) courses must be completed.*

Notes

- 54 credits must be completed at the 200 level or higher.
- Business majors are required to complete at least 50% of their major and concentration requirements at Monmouth University.

Sequence Chart

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
IT-150 Information Technology for Business	3	MA-117 Quantitative Analysis for Business I (Gen*Ed Mathematics)	3
Gen*Ed Historical Perspectives (HS.SV)	3	Gen*Ed Aesthetics (AT) AR,DA,MU,TH	3
Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
FO-xxx World Language	3	Free Elective	3
Semester Credits	**15**	**Semester Credits**	**15**

Second Year

Fall	Credits	Spring	Credits
BA-251 Accounting I	3	RD, Reasoned Oral Discourse class	3
BK-250 Principles of Marketing	3	BL-201 Legal Environment of Business I	3
BE-201 Microeconomics (Gen*Ed Social Science Survey (SS.SV)	3	BE-202 Macroeconomics	3
BM-250 Principles of Management and Organizational Behavior	3	BK-304 Consumer Behavior	3
EN-2xx Gen*Ed Literature (LIT)	3	BE-251 Business Statistics	3
Semester Credits	**15**	**Semester Credits**	**15**

Third Year

Fall	Credits	Spring	Credits
BF-301 Principles of Finance	3	BM-350 Operations Management	3
BK-301 Marketing Research	3	BM-311 Management Data Analytics	3
BM-404 Human Resources Management	3	BM-327 Ethics, Diversity, and Social Responsibility	3

BK-311 Principles of Advertising	3	BM 402 or BM 408	3
CD/GU (Gen*Ed)	3	BK-300+ Marketing Elective	3
Semester Credits	**15**	**Semester Credits**	**15**

Fourth Year

Fall	Credits	Spring	Credits
BM-451 Entrepreneurship	3	BM-490 Strategic Management (Gen*Ed Experiential Education (ExEd)	3
BK-459 Managerial Marketing	3	PR-4xx Gen*Ed Interdisciplinary Perspectives	3
BM-300+ Management Elective	3	Free Elective	3
Select one: BM-471 or BK-453	3	BM-300+ Management Elective	3
Free Elective	3	BK-300+ Marketing Elective	3
Semester Credits	**15**	**Semester Credits**	**15**

Total Credits 120

B.S. in Business Administration with a Concentration in International Business (BUBI.BS)

Code	Title	Credits
Major Requirements/Business (33 credits)		
BA-251	Accounting I	3
BE-201	Microeconomics	3
(BE-201 or BE-202 satisfies Social Science Survey (SS.SV) in General Education)		
BE-202	Macroeconomics	3
(BE-201 or BE-202 satisfies Social Science Survey (SS.SV) in General Education)		
BF-301	Principles of Finance	3
BL-201	Legal Environment of Business I	3
BK-250	Principles of Marketing	3
BM-250	Principles of Management and Organizational Behavior	3
BE-251	Business Statistics	3
BM-327	Ethics, Diversity, and Social Responsibility	3
BM-350	Operations Management	3
BM-490	Strategic Management	3
Concentration Requirements/International Business (33 credits)		
BK-301	Marketing Research	3
Select 12 credits from the following:		12
BM-471	Global Management	
BK-453	International Marketing	
BF-421	International Finance	
BE-403	Economic Growth and Development	
BI-419	Export/Import Marketing and Logistics	
Or select one BI-498 Special Topics Course		
Select one of the following:		3
BA-261	Data Analytics for Accounting	
BE-455	Financial Econometrics	
BM-311	Management Data Analytics	
BK-406	Marketing Analytics	
Select 6 credits from the same Foreign Language [1]		6
(Satisfies the World Language General Education Requirement)		
Select 9 credits from courses designated with Course Type: BI.EL		9
Interdisciplinary Requirements (6 credits)		
MA-117	Quantitative Analysis for Business I	3
(Satisfies Mathematics in General Education)		
IT-150	Information Technology for Business	3
(Satisfies Technological Literacy (TL) in General Education)		
Free Electives (21 credits) [1]		
Complete up to 21 credits of free electives. [1]		21
General Education Requirements (27 credits) [2]		
Complete 27 credits as outlined on the General Education table. [2]		27
Total Credits		**120**

[1] *Please consult with your advisor regarding the required number of free electives that must be completed.*

[2] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education (p. 44) *courses must be completed.*

Notes

- 54 credits must be completed at the 200 level or higher.
- Business majors are required to complete at least 50% of their major and concentration requirements at Monmouth University.

Sequence Chart

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
IT-150 Information Technology for Business (Gen*Ed Technological Literacy (TL)	3	MA-117 Quantitative Analysis for Business I	3
Gen*Ed Historical Perspectives (HS.SV)	3	Gen*Ed Aesthetics (AT) AR,DA,MU,TH	3
Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3	Gen*Ed Natural Science (NS)	3
Free Elective	3	Free Elective	3
Semester Credits	**15**	**Semester Credits**	**15**

Second Year

Fall	Credits	Spring	Credits
BA-251 Accounting I	3	BE-202 Macroeconomics	3
BK-250 Principles of Marketing	3	BE-251 Business Statistics	3
BE-201 Microeconomics (Gen*Ed Social Science Survey (SS.SV)	3	BL-201 Legal Environment of Business I	3
BM-250 Principles of Management and Organizational Behavior	3	CO-225 Business and Professional Communication	3
EN-2xx Gen*Ed Literature (LIT)	3	(RD, Reasoned Oral Discourse class)	
		BI.EL Course or a foreign language	3
Semester Credits	**15**	**Semester Credits**	**15**

Third Year

Fall	Credits	Spring	Credits
BF-301 Principles of Finance	3	BM-350 Operations Management	3

BK-301 Marketing Research	3	Select one: BM-471, BK-453,BF-421, BK-419, BE-403, or BI-498 Special Topics in IB.	3
BI.EL Course or a foreign language	3	BI.EL Course or a foreign language	3
Free Elective	3	One Analytic course from: BA-261, BE/BF-455, BK-4xx, or BM 311	3
Select one: BM-471, BK-453, BF-421, BK-419, BE-403, or BI-498 Special Topics in IB.	3	Free Elective	3
Semester Credits	**15**	**Semester Credits**	**15**

Fourth Year

Fall	Credits	Spring	Credits
BM-327 Ethics, Diversity, and Social Responsibility	3	Select one: BM-471, BK-453, BF-421, BK-419, BE-403, BI-498 Special Topics in IB.	3
Select one: BM 471, BK-453, BF-421, BK-419, BE-403,BI-498 Special Topics in IB.	3	BM-490 Strategic Management	3
Free Elective	3	PR-4xx Gen*Ed (Interdisciplinary Perspectives (ISP))	3
Free Elective	3	BI.EL Course	3
BI.EL Course or a foreign language	3	Free Elective	3
Semester Credits	**15**	**Semester Credits**	**15**

Total Credits 120

Minor in Marketing (MIN.BUBK)

Code	Title	Credits
Requirements (18 credits)		
BK-250	Principles of Marketing	3
BK-304	Consumer Behavior	3
BK-311	Principles of Advertising	3
Select 9 credits from the following list:		9
BK-301	Marketing Research [1]	
BK-402	Retail Marketing Management	
BK-406	Marketing Analytics	
BK-407	Digital Marketing	
BK-419	Export/Import Marketing and Logistics	
BK-420	Health Care Management and Marketing	
BK-421	Marketing of Services	
BK-422	Principles of Personal Selling	
BK-431	Sports Marketing	
BK-452	Business Marketing	
BK-453	International Marketing [1]	
BK-457	Social Media Marketing	
BK-459	Managerial Marketing [1]	
Total Credits		**18**

[1] *Students MUST complete the prerequisite courses before, which results in additional required credits.*

Note

- Not available to students majoring in Business Administration.

SCHOOL OF EDUCATION

Interim Dean: Wendy Harriott, Ph.D.
Interim Associate Dean: Alex Romagnoli, Ph.D.

The School of Education (SOE) was established in 1995 to broaden and increase support for Monmouth University's education programs. The goal of the School is to provide highly effective programs to prepare practitioners who can help all students learn in diverse school settings. Candidates are mentored by a diverse faculty that models best practices grounded in evidence-based research. The School seeks to foster collaboration and partnerships among University faculty, students, staff, school practitioners, and community representatives to improve student achievement. Programs are rooted in the belief that all students can learn and are guided by four key themes:

1. the importance of both pedagogical and content knowledge with a commitment to lifelong learning,
2. an emphasis on collaboration and partnerships with schools and local communities,
3. the essential role played by cultural diversity and individual differences in the teaching/learning process, and
4. the need to develop educational leadership skills consistent with professional ethics.

The School of Education's mission is to be a leader in the preparation of highly competent, reflective professional educators (e.g., teachers, administrators, school counselors, speech-language pathologists, behavior analysts, student affairs specialists, and reading specialists) who have the knowledge, 21st century skills, and dispositions required to improve the teaching and learning of students in a highly pluralistic, democratic society. Toward this end, our candidates are prepared to serve students from diverse identities in terms of abilities, age, culture, ethnicity, family, lifestyle, and socioeconomic status.

The SOE programs emphasize state and national curriculum standards with research-based best practice designed to improve student learning and prepare P-12 students to be successful in the 21st-century global economy. Programs are designed to improve a candidate's critical thinking, communication, and problem-solving skills as they apply these core competencies to P-12 student learning. The School's programs also integrate state-of-the-art instructional technologies that can be applied in K-12 classrooms, school administrative practices and educational counseling. The School has its own computer lab and offers online, hybrid, and Web-enhanced courses.

Curriculum and Instruction

Chair: Jason Fitzgerald, Department of Curriculum and Instruction

Programs are designed to provide a strong liberal arts or sciences background, a subject area major, a behavioral/social science sequence, and significant professional preparation for an elementary teacher (K–6), an elementary teacher with subject matter specialization (K-8), and a subject area (K–12) teacher.

Students with aspirations to earn certification as an elementary teacher are required to simultaneously complete the requirements of both the BA program in Education and one of the BA programs in Anthropology, Art, English, English/Creative Writing, Spanish, History, History/Political Science, Interdisciplinary Studies for Elementary Educators, or Political Science; or to simultaneously complete the requirements of both the BS program in Education and the BS program in Mathematics. Students in these programs will have two academic advisors—one in each department. Students can also choose to pursue a BA in Interdisciplinary Studies for Elementary Educators. Students in this program will have one academic advisor from the School of Education.

Students with career objectives to earn certification in a subject area, K–12, are required to simultaneously complete the requirements of both the BA program in Education and one of the BA programs in Art, English, English/Creative Writing, Spanish, History, History/Political Science, Music, or Political Science; or to simultaneously complete requirements of both the BS program in Education and one of the BS programs in Biology, Chemistry, Chemistry (physical science), Health/Physical Education, or Mathematics. Students will have two academic advisors—one in each department.

Students wishing to enhance their academic program and expand their education may choose an undergraduate endorsement:

- English as a Second Language (ESL);
- Teacher of Students with Disabilities (TSD);
- Middle School (5-8) Endorsement (available to Elementary K-6 majors in English, Math, Science, or Social Studies); or
- Early Childhood - P-3 (available to Elementary K-6 only).

One or more of these endorsements may be combined with a student's academic program.

Internal Progression Requirements

Students must meet New Jersey State mandated progression requirements beginning an education program at Monmouth University. This will require students to have a 3.0 grade point average (GPA), achieve a passing score on the Praxis Core Academic Skills for Educators (CORE) (or achieve a score as regulated by the State of New Jersey that is "approximately equal to the top third percentile score for all test takers in the year the respective test was taken") and send a completed assessment of written and oral communication skills to the School of Education. Students must also complete the professional education components at Monmouth University and meet current standards of the Monmouth University School of Education and the New Jersey Department of Education. The program includes field experiences beginning in the sophomore year, increasing in intensity during the junior and senior years, and culminating in full-time clinical practice (i.e., student teaching) in the second semester of their senior year. Students are required to maintain a 3.0 GPA. Undergraduate students in the School of Education must receive a minimum grade of "C" in all required Education courses. If a grade below "C" is earned, that course must be retaken and will follow the rules set forth in this catalog referencing "Repeating a Course (p. 62)".

Transfer students must have a minimum GPA of 2.75 and will have one semester of provisional status pending their attainment of a 3.0 GPA. Transfer students will be permitted to take one or two education courses as appropriate in the first semester. Transfer students may transfer a maximum of six (6) professional education credits from a two-year institution. Please refer to the *Internal Progression Requirements* in the paragraph above for additional State-mandated progression requirements.

Applications for clinical practice (student teaching) must be submitted to the Office of Certification, Field Placements, and School Partnerships for fall and spring placements. At this time, students are screened to ensure

that they have met the academic and professional standards required for State certification. Students must pass the appropriate Praxis II examinations prior to student teaching and receive passing scores as a requirement for State certification. Candidates seeking Spanish or Chinese certification must also earn a passing score on the appropriate official Oral Proficiency Interview (OPI) prior to clinical practice. English as a Second Language (ESL) candidates must earn a passing score on the official English OPI and English Writing Proficiency Test (WPT) for certification.

Programs

Majors

- B.A. in Anthropology and Education with Endorsements in Elementary and Students with Disabilities (p. 321)
- B.A. in Anthropology and Education with Endorsements in P-3 and Teacher of Students with Disabilities (p. 322)
- B.A. in Art and Education with Endorsement in K-12 Education in Art (p. 324)
- B.A. in Early Childhood Education and Teacher of Students with Disabilities (p. 325)
- B.A. in Early Childhood and Elementary Education and Teacher of Students with Disabilities (p. 326)
- B.A. in English and Education with Endorsements in Elementary and Teacher of Students with Disabilities (p. 328)
- B.A. in English and Education with Endorsement in Secondary Education in English (p. 329)
- B.A. in English and Education with Endorsements in P-3 and Teacher of Students with Disabilities (p. 331)
- B.A. in English/Creative Writing and Education with Endorsements in Elementary and Teacher of Students with Disabilities (p. 332)
- B.A. in English/Creative Writing and Education with Endorsement in Secondary Education in English (p. 334)
- B.A. in English/Creative Writing and Education with Endorsements in P-3 and Teacher of Students with Disabilities (p. 336)
- B.A. in History and Education with Endorsements in Elementary and Teacher of Students with Disabilities (p. 337)
- B.A. in History and Education with Endorsement in Secondary Education in Social Studies (p. 339)
- B.A. in History and Education with Endorsements in P-3 and Teacher of Students with Disabilities (p. 340)
- B.A. in History/Political Science Interdisciplinary and Education with Endorsements in Elementary and Teacher of Students with Disabilities (p. 342)
- B.A. in History/Political Science Interdisciplinary and Education with Endorsement in Secondary Education in Social Studies (p. 343)
- B.A. in Interdisciplinary Studies for Educators with Endorsements in Elementary and Teacher of Students with Disabilities (p. 344)
- B.A. in Music and Education with Endorsement in K-12 Education in Music (p. 346)
- B.A. in Political Science and Education with Endorsements in Elementary and Teacher of Students with Disabilities (p. 348)
- B.A. in Political Science and Education with Endorsement in Secondary Education in Social Studies (p. 349)
- B.A. in Spanish and Education with Endorsements in Elementary and Teacher of Students with Disabilities (p. 351)
- B.A. in Spanish and Education with Endorsement in K-12 Education in Spanish (p. 352)
- B.S. in Biology and Education with Endorsement in Secondary Education in Biology (p. 353)
- B.S. in Chemistry and Education with Endorsement in Secondary Education in Chemistry (p. 355)
- B.S. in Chemistry and Education with Endorsement in Secondary Education in Physical Sciences (p. 357)
- B.S. in Health and Physical Education with an Education Endorsement in K-12 (p. 358)
- B.S. in Mathematics and Education with Endorsements in Elementary and Teacher of Students with Disabilities (p. 360)
- B.S. in Mathematics and Education with Endorsement in Secondary Education in Mathematics (p. 361)

Additional Endorsements Available

Add-On to Elementary

- Teacher of Students with Disabilities (TSD) (p. 364)
- English as a Second Language (ESL) (p. 363)
- Middle School Endorsement (p. 363)
- Early Childhood - P-3 (p. 362)

Add-On to Secondary

- Teacher of Students with Disabilities (TSD) (p. 365)
- English as a Second Language (ESL) (p. 363)

Add-On to K-12

- Teacher of Students with Disabilities (TSD) (p. 364)
- English as a Second Language (ESL) (p. 362)

Faculty

Jason Fitzgerald, Associate Professor and Chair. B.A., M.S., McDaniel College; Ph.D., University of Pittsburgh. Research focuses on civic and historical thinking processes, including the ethical implications of and practical needs for implementing action civics curricula in secondary and post-secondary education. Also interested in the ways that historical authors' linguistic choices influence students' mental representations of history.
jfitzger@monmouth.edu

Jiwon Kim, Associate Professor (Graduate Faculty). B.A., Dong-Guk University; M.S., Case Western Reserve University; Ph.D., Purdue University. Research interests include social studies education and foundations of education with a specific focus on the philosophy of education.
jkim@monmouth.edu

Ruth Morris, Lecturer. B.S., Evangel University; M.Ed., Ed.D., Walden University. Professional interests include emergent and bilingual writing development, self-efficacy in writing development, and teacher leadership in early childhood.
rrkmorris@monmouth.edu

Kerry Rizzuto, Associate Professor and M.Ed. P3 Program Director (Graduate Faculty). M.A., Brooklyn College; Ed.D., Rowan University. Research interests include early childhood development with an emphasis on literacy, and developing culturally responsive pedagogical practices in pre-service and in-service teachers, while working with culturally and linguistically diverse children.

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Alex Romagnoli, Associate Professor, M.A.T. Program Director and Chair, Special Education (Graduate Faculty).
Interim Associate Dean, School of Education. B.S., M.Ed., East Stroudsburg University; Ph.D., Indiana University of Pennsylvania. Professional interests include multimodality, multiliteracies, graphic novels in academic contexts, and popular culture.
aromagno@monmouth.edu

Michelle Schpakow, Lecturer. B.A. Rider University; M.S., Mississippi State University; Ed.D., Liberty University. Overall research interests center around science education as it relates to preparation for STEM professions. Specifically, Dr. Schpakow is interested in the "gender gap" in science, students' attitudes toward science, and American science education programs ultimately leading to the development of scientific professionals.
mschpako@monmouth.edu

Lilly Steiner, Associate Professor and M.S.Ed. Literacy Program Director (Graduate Faculty). B.A., University of Wisconsin; M.A., University of North Dakota; Ed.D., Boston University. Research interests include family literacy and creating strong home-school partnerships.
lsteiner@monmouth.edu

Chiu-Yin Wong, Professor, M.Ed. ESL Program Director (Graduate Faculty). B.A., Brigham Young University; M.A., Ph.D., Texas Tech University. Professional interests include English as a Second Language (ESL), second language pedagogy, and second language teacher education.
cwong@monmouth.edu

Vecihi S. Zambak, Associate Professor (Graduate Faculty). B.S., M.S., Bogazici University, Istanbul, Turkey; M.S., University of Amsterdam; Ph.D., Clemson University. Research interests center around the development of pre-service mathematics teachers' content knowledge in technolog-driven learning environments with a focus on reasoning, justification, and proof.
vzambak@monmouth.edu

Courses

ED-PRETEST Education Major Entrance Test Requirement Credits: None
Course Type(s): None
This course indicates that students have successfully met the Praxis Core requirements either by passing all three parts of the Praxis Core test OR by alternate means as determined by NJ State code.

ED-050 English as a Second Language Instruction for Undergraduate International Students Credits: None
Term Offered: Spring Term
Course Type(s): None
This is a pass/fail course.

ED-101 Transition to College Credits: 1
Term Offered: All Terms
Course Type(s): None
The identification and management of the academic and socio-emotional issues confronting the student during the transitional stage from secondary to post-secondary education. Permission of the instructor is required to take this course.

ED-250 Psychological and Philosophical Foundations of Education Credits: 3
Term Offered: All Terms
Course Type(s): None
Enhances a teacher candidate's background in principles and practices of elementary and secondary education, including curriculum planning, assessment, procedures, instructional technology, culturally and linguistically diverse students, diverse learning needs, classroom management, core curriculum standards, and school organization. Relevant information about national and state standards will be addressed. Social, historical, political, psychological, and philosophical foundations of education are examined. Observation and participation in actual classroom procedures are required through structural experiences. Service learning hours required. Education majors only.

ED-299 Independent Study in Education Credits: 3
Term Offered: Summer Term
Course Type(s): None
Independent research in education in an area not substantially treated in a regular course offering under the supervision of an education faculty member; written evaluation of the research is required. For students with superior ability. Prior permission of the directing professor and department chair is required to take this course.

ED-300 Education and Culture Credits: 3
Term Offered: Spring Term
Course Type(s): ADS, GU
Offers students the opportunity to become immersed in educational, cultural, and historical contexts while exploring contemporary issues relevant to various countries or regions. Students will be introduced to cross-cultural issues within that country. They will expand their understanding of the focus country; especially its educational practices, as they gain an immersive experience related to education, history, culture, art, and literature through travel and through participating in volunteer work in a school setting. Students in this course examine another culture in order to gain experience which may transform not only their understanding of that culture, but the way in which they understand culture in general. Not open to freshmen. This course may be repeated once for credit. A minimum G.P.A. of 3.00 is required to take this course.

ED-315 Digital Media and Instructional Technology Skills for Teachers Credits: 3
Term Offered: All Terms
Course Type(s): TL
Aims to introduce teacher-candidates to computer science concepts and recent instructional technologies to support teaching and learning processes in K-12 classrooms. The course focuses on teacher-candidates' exploration and evaluation of technology-enhanced applications. Teacher-candidates learn how to use digital media, technologies, and interactive games to support their instructional strategies and student learning, enhance classroom management, aid formative and summative assessment techniques, and communicate professionally.

ED-319 Content Literacy and Assessment **Credits: 3**
Prerequisite(s): ED-250; EN-101 and EN-102, Clinical Experience Hours Required, and a minimum G.P.A. of 3.00.
Term Offered: All Terms
Course Type(s): EX5, WT
Designed to focus on the development of students' reading, writing, and speaking skills as they are used in specific K-12 and secondary academic content areas, this course uses a backward design model to integrate discussions of assessment with content area literacy. It emphasizes the implementation of both teaching and learning strategies to develop K-12 students' gradual disciplinary language development, fostering their abilities to be independent learners and disciplinary communicators. The course includes research-based pedagogical strategies for teaching linguistically diverse students and teaching students with diverse learning needs. Limited to Education majors.

ED-320 Teaching Emergent Multilinguals in an Inclusive Classroom **Credits: 3**
Prerequisite(s): ED-250, EN-101 and EN-102, pass ED-PRETEST, and a minimum G.P.A. of 3.00
Term Offered: All Terms
Course Type(s): RD, WT
This Writing Intensive course is offered to address issues and research-based pedagogical strategies of teaching Emergent Multilingual Students in today's mainstream classrooms. Teacher candidates will explore a variety of instructional strategies and develop cultural knowledge and its application in teaching Emergent Multilingual Learners. The course also includes incorporating instructional technology into the classroom, and utilizing data to inform instruction. Clinical Experience Hours Required. Education majors only. Prerequisites: ED-250, EN-101 and 102, and a minimum G.P.A. of 3.00

ED-327 Theories and Practice of ESL Instruction Part I **Credits: 3**
Prerequisite(s): ED-320 and a minimum GPA of 3.00
Term Offered: All Terms
Course Type(s): None
With an emphasis on teaching English as a Second Language through content, part one of this two-semester course will introduce the history of ESL teaching and critically explore exemplary curriculum designs and methods of teaching ESL. A wide range of ESL instructional materials, instructional technology, services, and assessment measures will be introduced and practiced, with an emphasis on standard-based content and ESL teaching. Both instructional design and implementation will be the focus for practice, with embedded language acquisition/learning theories and research studies carefully examined. Clinical Hours required. Education majors only.

ED-328 Theories and Practice of ESL Instruction Part II **Credits: 3**
Prerequisite(s): ED-327 or ED-374, EN-442, and a minimum G.P.A. of 3.00
Term Offered: All Terms
Course Type(s): None
A continuation of ED-327 examines public issues pertinent to ESL education, with an emphasis on making connections between theories or research findings and classroom practice. More approaches to ESL instruction will be introduced with an emphasis on various strategies, techniques, and instructional technology for teaching specific language skills in a standard-based content and ESL teaching program. Reflective practice is an integral part. Clinical Hours required.

ED-331 Music for the Child **Credits: 2**
Prerequisite(s): MU-151 and MU-218
Course Type(s): None
Focus on methods and materials of teaching in the elementary school (K-8): singing, rhythmic expression, listening, use of simple instruments, and correlating music with other areas of learning. It will include pedagogical strategies related to teaching linguistically diverse students, students with diverse needs, using instructional technology and using data to inform instruction. For Music majors only. Also listed as MU-331. Clinical Hours required.

ED-333 The Teaching of Music in the Secondary School **Credits: 2**
Prerequisite(s): MU-151 and MU-218
Term Offered: Spring Term
Course Type(s): None
Study and application of appropriate concepts, methods, skills, and materials for secondary-school music teachers. It will include pedagogical strategies for teaching linguistically diverse students, those with special needs using instructional technology and using data to inform instruction. For Music majors only. Clinical Hours required. Also listed as MU-333.

ED-336 Applied Linguistics for the Language Educator **Credits: 3**
Term Offered: Summer Term
Course Type(s): None
Designed to introduce students to the concepts of linguistics as related to bilingual education and the teaching of English as a second language. Students will also learn structural aspects of linguistics, including morphology (words), syntax (sentence patterns), semantics (the meaning of words), phonetics and phonology (the sounds of language), pragmatics (the way language works in the world), and English grammar. Students will gain familiarity with important theories, research, and how the English language works. Education majors only. Students must have a minimum G.P.A. of 3.00 to register for this course.

ED-351 Methods of Teaching Art I **Credits: 3**
Prerequisite(s): AR-114, AR-116, AR-192, and ED-320 and a minimum G.P.A. of 3.00.
Term Offered: All Terms
Course Type(s): None
The history and philosophy of art education; the construction of art curricula and the exploration of teaching methods; media and tools appropriate for the educational level. Methods I deals with the needs of the elementary school child. The course includes research-based pedagogical strategies for teaching linguistically diverse students, those with diverse learning needs, incorporating instructional technology into the classroom and utilizing data to inform instruction. Clinical Hours required. Also listed as AR-351.

ED-352 Methods of Teaching Art II **Credits: 3**
Prerequisite(s): ED-351 or AR-351 and Minimum G.P.A. of 3.0.
Term Offered: Spring Term
Course Type(s): None
The history and philosophy of art education; the construction of art curricula and the exploration of teaching methods; media and tools appropriate for the educational level. Methods II deals with the needs of the adolescent. The course includes research-based pedagogical strategies for teaching linguistically diverse students, those with diverse learning needs, incorporating instructional technology into the classroom and utilizing data to inform instruction. Clinical Hours required. Also listed as AR-352.

ED-360 Methods of Teaching Elementary Mathematics Credits: 3
Prerequisite(s): MA-103 or MA-205, EDL-326, and a minimum G.P.A. of 3.00
Term Offered: All Terms
Course Type(s): None
ED-360 is designed to provide a profound understanding of the concepts taught in elementary school mathematics. Teacher candidates participate in activities and learn techniques to foster conceptual development in young learners, thus producing confidence and success in the learning of mathematics. The essential elements of instruction, assessment, grouping strategies, and effective questioning are illustrated and honed when planning to address the instructional needs for diverse learners in mathematics. This course contains foundational knowledge which will be used during the clinical practice performance assessment. It will include research-based pedagogical strategies for teaching linguistically diverse students, those with special needs, using instructional technology and using data to inform instruction. Clinical Practice hours required.

ED-361 Methods of Teaching Science for Elementary School Credits: 3
Prerequisite(s): ED-320, EDL-326 and a minimum G.P.A. of 3.00
Term Offered: All Terms
Course Type(s): EX5
Science methods for elementary education students is designed for those without a strong background in science (although those with a strong background will also benefit greatly from this course). The intent of this course is to provide an integrated perspective of teaching science from pre-kindergarten through grade 5. This course will provide active learning of science concepts through various inquiry activities. Following the learning theories that have produced both the Next Generation Science Standards and the New Jersey Core Curriculum Content Standards for science, this course will utilize projects, cases, and problems in real world settings using a diversity of instructional methods and strategies to provide each student with the opportunity to learn how to teach inquiry and problem-solving across the sciences. The course includes research-based pedagogical strategies for teaching linguistically diverse students, those with diverse learning needs, incorporating instructional technology into the classroom and utilizing data to inform instruction. Clinical Practice hours required.

ED-365 Methods of Teaching Mathematics at the Secondary Level Credits: 3
Prerequisite(s): ED-319 or EDL-327, and ED-320 and a minimum G.P.A. of 3.00
Term Offered: All Terms
Course Type(s): None
ED-365 focuses on the teaching of secondary mathematics. It is intended to deepen future secondary school teachers' understanding of the secondary mathematics curriculum and build their competencies at the level of instructional implementation. The course includes research-based pedagogical strategies for teaching linguistically diverse students, those with diverse learning needs, incorporating instructional technology into the classroom and utilizing data to inform instructions. Essential elements of effective instruction, including inquiry-based learning, implementing tasks that promote reasoning and problem-solving, assessment, facilitating meaningful mathematical discourse, eliciting and using evidence of student thinking, grouping strategies and effective questioning are explored as these are techniques utilized to bring conceptual understanding of mathematics to all learners. Education majors only.

ED-367 Methods of Teaching English at the Secondary Level Credits: 3
Prerequisite(s): ED-319 or EDL-327 and a minimum G.P.A. of 3.00, Education Majors Only
Term Offered: All Terms
Course Type(s): None
Provides in-depth preparation to teacher candidates desiring to teach English/Language Arts at the secondary level by extending the essential knowledge, skills, and strategies grounded in research and related to effective classroom instruction. Teacher candidates will have increased opportunities to apply theory and refine practices in the use of print and non-print texts and in the integration of the English Language Arts. New Jersey Professional Standards for Teachers (NJPSTs) will be an integral part of the course. Candidates are required to complete a 100 hour practicum in a local school. Education Majors Only.

ED-369 Methods of Teaching Science at the Secondary Level Credits: 3
Prerequisite(s): ED-319 or EDL-327 and a minimum G.P.A. of 3.00
Term Offered: Fall Term
Course Type(s): None
Science methods at the secondary level is designed for those with a background in science. The intent of this course is to provide an integrated perspective of teaching science from grade 7-12. This course will provide active learning of science concepts through various inquiry activities. Following the learning theories that have produced both the Next Generation Science Standards and the New Jersey Student Learning Standards for science, this course will utilize projects, cases, and problems in real world settings using a diversity of instructional methods and strategies to provide each student with the opportunity to learn how to teach inquiry and problem-solving across the sciences. Education majors only.

ED-371 Methods of Teaching Social Studies at the Secondary Level Credits: 3
Prerequisite(s): ED-319 or EDL-327 and a minimum G.P.A. of 3.00
Term Offered: All Terms
Course Type(s): None
The course will introduce students preparing for middle and secondary level teacher certification to social studies curriculum and methods. Course content will emphasize national and state standards for social studies education across the traditional social science discipline. The course will also explore the philosophical and theoretical foundations of social studies education. It provides the candidate with practical strategies necessary for success in teaching culturally and linguistically diverse students and students with diverse learning needs, using instructional technology, research, and assessment data to inform instruction in the context of social studies.

ED-374 Issues and Practices in World Language Education Part II Credits: 3
Prerequisite(s): ED-320 and a minimum G.P.A. of 3.00
Term Offered: Fall Term
Course Type(s): EX5
Issues and practices in world language curriculum and instruction. Fieldwork required. Designed to expand future world language teachers' understanding of the complexities of the content-based instruction in curriculum design and strengthen their competencies with a focus on standard-based language instruction that addresses the national and state standards. A wide range of world language instructional materials, instructional technology, services, and assessment measures will be introduced and practiced. The experiential component of the course provides the students with opportunities for hands-on experiences for deepening understanding and strengthening competencies. For Education majors only. Clinical Practice hours required.

ED-377 Integrated K-12 Teaching Methods **Credits: 3**
Prerequisite(s): ED-319, ED-320 and a minimum G.P.A. of 3.00
Term Offered: All Terms
Course Type(s): None
Deepens future K-12 school teachers' understanding of the complexities of the curriculum and builds their competencies at the level of instructional implementation in specific subject areas. Focuses on a broad spectrum of instructional methodologies and techniques that are workable in today's classroom. A constructivist approach to planning and instruction will be emphasized. The experiential component of the course provides the students with opportunities for clinical work in the classroom, strengthening competencies and deepening understanding. The course includes research-based pedagogical strategies for teaching linguistically diverse students, those with diverse learning needs, incorporating instructional technology into the classroom and utilizing data to inform instruction. Clinical Practice hours required. Education majors only.

ED-378 Methods of Teaching Elementary Physical Education and Health **Credits: 3**
Prerequisite(s): ED-320 either as a prerequisite or corequisite, and a minimum G.P.A. of 3.00
Term Offered: Spring Term
Course Type(s): HEPE
Focus on the planning, implementing, and assessing of competency-based physical education and skill-based health in elementary settings. Preservice teachers will learn pedagogical strategies related to teaching culturally and linguistically diverse students and students with diverse (special) needs in addition to using instructional technology, research-based best practices, and assessment data to inform instruction in elementary physical education and health. The course will utilize a lecture-based format and lab-based activities to prepare preservice teachers to develop physical literacy and health literacy for PreK-5 students. During lab-based activities, preservice teachers will plan and implement physical education and health lessons to peers and PreK-5 students. Clinical practice hours are required in accordance with New Jersey state statues. Education majors only.

ED-379 Methods of Teaching Secondary Physical Education and Health **Credits: 3**
Prerequisite(s): ED-320 as either a prerequisite or corequisite, and a minimum G.P.A. of 3.00
Term Offered: Fall Term
Course Type(s): HEPE
Focus on the planning, implementing, and assessing of competency-based physical education and skill-based health in secondary settings. Preservice teachers will learn pedagogical strategies related to teaching culturally and linguistically diverse students and students with diverse (special) needs in addition to using instructional technology, research-based best practices, and assessment data to inform instruction in secondary physical education and health. The course will utilize a lecture-based format and lab-based activities to prepare preservice teachers to develop physical literacy and health literacy for 6-12 grade students. During lab-based activities, preservice teachers will plan and implement physical education and health lessons to peers and 6th-12th grade students. Clinical practice hours are required in accordance with New Jersey state statues. Education majors only. Prerequisite: a minimum G.P.A of 3.00. Prerequisite or corequisite: ED-320.

ED-380 Middle Level Learning and Teaching **Credits: 3**
Prerequisite(s): ED-250, ED-320 and a minimum G.P.A. of 3.00
Term Offered: Spring Term
Course Type(s): None
The candidate will examine aspects of middle-level schooling that are responsive to the nature and needs of adolescents. The candidate will apply knowledge of adolescents' cognitive and affective development to design learning environments and to structure and implement learning experiences that effectively promote academic achievement and personal growth for all middle-grade students. The course includes research-based pedagogical strategies for teaching linguistically diverse students, those with diverse learning needs, incorporating instructional technology into the classroom and utilizing data to inform instruction. Clinical Experience hours required.

ED-398 Special Topics in Education (300 Level) **Credits: 1-3**
Course Type(s): None
An intensive study of a particular subject or problem in education to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. A minimum G.P.A. of 3.00 is required to take this course. If a prerequisite is required it will be announced in the course schedule.

ED-399 Independent Study in Education **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Independent research in education in an area not substantially treated in a regular course offering under the supervision of an education faculty member; written evaluation of the research is required. For students with superior ability. Students must have a minimum G.P.A. of 2.75 to take this course, along with prior permission of the directing professor and department chair.

ED-416 Clinical Practice **Credits: 8**
Term Offered: All Terms
Course Type(s): EX5
This full-time, full-semester clinical practice in a school setting requires clinical interns to observe, plan, instruct, and assess P-12 students collaborating with a cooperating teacher and university faculty. Clinical interns complete an edTPA portfolio and analyze their instruction and the effect on student achievement. In addition, there are on-campus seminars, focus groups and an online component. All aspects of the requirements are linked to the New Jersey Student Learning Standards (NJSLS) the NEW Jersey Professional Standards for Teachers (NJPST), and national Specialty Professional Association (SPA) standards. The course includes research-based pedagogical strategies for teaching linguistically diverse students, those with diverse learning needs, incorporating instructional technology into the classroom and utilizing data to inform instruction. Limited to Education majors. A minimum G.P.A. of 3.00 is required to take this course. Passing the appropriate state required teacher examinations, Senior standing, and approval of the department, are also required.

ED-416S Clinical Practice Seminar **Credits: 1**
Term Offered: All Terms
Course Type(s): None
A one-credit seminar to be taken in conjunction with Clinical Practice. Education majors only. A minimum G.P.A. of 3.00 is required to take this course.

ED-427 The Teaching of World Languages Credits: 3
Term Offered: Spring Term
Course Type(s): None
This course is designed to prepare the World Language teacher candidate's understanding of the ACTFL performance guidelines and standards together with their application and assessment in the classroom. Various modes of teaching language will be explored including meaningful integration of the ACTFL 5 C's and Integrated Performance Assessments into each lesson. Professional development is explored and students must complete a professional Development Plan that includes joining professional affiliations. Preparation for the edTPA is included in this course with one lesson in the target language to be presented and videotaped in class for self and group assessment. This course will include pedagogical strategies related to teaching linguistically diverse students, students with diverse needs, using instructional technology and using data to inform instruction. These components provide the students with valuable pre-teaching experiences that will strengthen understanding of teaching strategies and capabilities. Also listed as FO-427. Clinical Hours are required.

ED-428 Culturally and Linguistically Responsive Teaching Credits: 3
Prerequisite(s): ED-250 and a minimum G.P.A. of 3.00
Course Type(s): OL
Students will focus on two aspects of culturally and linguistically responsive and relevant instruction. The first aspect is the focus on equity and diversity and the second aspect concentrates on pedagogy for infusing culturally and linguistically responsive teaching into instruction. Professionals will engage in self-reflection related to racism and other forms of discrimination in order to better understand how identities and ideologies impact everyday school practices and the educational experiences of all students, especially those from culturally and linguistically diverse backgrounds. The course also includes incorporating instructional technology into the classroom and utilizing data to inform instructions.

ED-498 Special Topics in Education (400 Level) Credits: 1-3
Term Offered: Spring Term
Course Type(s): None
An intensive study of a particular subject or problem in education to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. A minimum G.P.A. of 3.00 is required to take this course. If a prerequisite is required it will be announced in the course schedule.

ED-499 Independent Study in Education Credits: 1-3
Term Offered: All Terms
Course Type(s): None
Independent research in education in an area not substantially treated in a regular course offering under the supervision of an Education faculty member; written evaluation of the research is required. For students with superior ability. Prior permission of the directing professor and department chair and a minimum G.P.A. of 2.75 are required to take this course. Application must be filed before registration.

EDL-280 Introduction to Early Childhood Education Credits: 3
Prerequisite(s): ED-250 and pass ED-PRETEST.
Term Offered: Spring Term
Course Type(s): None
This is an introductory course, which examines the historical, philosophical, and theoretical foundations of early childhood education. The course will cover major aspects of the physical, socio-emotional, and cognitive development of young children from birth to 8 years of age. The course addresses major theories and concepts of child development, early childhood ethics and professionalism, developmentally appropriate practice, diverse early childhood curriculum and programs, inclusion and special needs children, the use of technology, the use of data(formative and summative) to inform instruction, and home-school partnerships. The course covers the tenets of culturally responsive teaching in order to meet the needs of culturally and linguistically diverse children. Education Majors Only.

EDL-325 Language and Early Literacy Development, Birth Through Kindergarten Credits: 3
Term Offered: Spring Term
Course Type(s): None
This course, which involves a field experience, focuses on language development and early literacy of regular, special education, and young learners from culturally and linguistically diverse backgrounds, birth to kindergarten. The content includes the study of theories and acquisition of language development and sound awareness, the interrelated nature language development and literacy, the appropriate development and assessment of language and early literacy, using the results of the assessment and other formative and summative data to inform instruction, methods for engaging and motivating all young learners, the appropriate use of technology with young learners, and strategies for involving families and community members. Clinical Practice required. A minimum G.P.A. of 3.00 is required to take this course.

EDL-326 Literacy Instruction in P-6 Educational Settings I Credits: 3
Prerequisite(s): ED-250 and pass ED-PRETEST
Term Offered: All Terms
Course Type(s): None
Focuses on the literacy development and instruction of regular and special education children, including those from linguistically diverse backgrounds in grades P-6. Ongoing assessment and instructional strategies will be explored in various engaging, literate, educational settings. Education majors only. Clinical Experience required.

EDL-327 Methods of Teaching Content Area Literacy in the Inclusive Elementary Setting: Language Arts & Social Studies Credits: 3
Prerequisite(s): EN-101, EN-102, ED-320, ED-361, EDL-326, and EDS-350, and a minimum G.P.A. of 3.00.
Term Offered: All Terms
Course Type(s): WT
This course focuses on the literacy development of children, including those from diverse backgrounds in grades K-6. Ongoing assessment and instructional planning of modifications, accommodations, and strategies for integrating literacy within the language arts and social studies curricula will be explored. Special attention is noted for students with high incidence disabilities and the use of assistive technology. Education majors only. Clinical practice hours required. EDL-326, and EDS-350, and a minimum G.P.A. of 3.00.

EDL-333 Family Partnerships in Early Childhood Settings Credits: 3
Prerequisite(s): EN-101 and EN-102, ED-250 and a minimum G.P.A. of 3.00.
Term Offered: Fall Term
Course Type(s): WT
The course will cover the history and significance of family and community involvement in early childhood education: An overview of perspectives regarding family diversity, parent-professional partnerships and communication, early intervention and special education services, and the legal and ethical rights of diverse contemporary families of young children. Contextual factors, social, cultural, racial, exceptionality, and environment, known to impact learning, will be addressed with an approach to develop the skills and knowledge needed for teachers to create positive working relationships with families and communities. The use of appropriate data to inform instruction and a funds of knowledge (Moll, 1992) will be addressed. The appropriate use of technology in order to assist families in diverse ways to supplement classroom instruction at home will also be discussed. Limited to Education majors. Clinical Experience hours required.

EDL-364 Early Childhood Capstone Research Seminar Credits: 3
Prerequisite(s): EDL-333 and EDL-280
Term Offered: All Terms
Course Type(s): None
This course will examine basic principles and current research on early childhood curricula. The focus of the course is on designing an integrated, developmentally appropriate curriculum in order to strengthen all aspects of all children's development, including cognitive, language, social, emotional, and physical capabilities. Students are required to conduct action research focusing on their teaching philosophy, practices, and research understandings as reflective practitioners based on their field work. The course will discuss the appropriate teaching methods that meet children's individual, and developmental needs, with an emphasis on culturally responsive teaching in order to address the needs of linguistically and culturally diverse students as well as any students who have special education needs. The use of technology in order to collect formative summative data will also be addressed. Additionally, the results of the data collected to inform instruction will be addressed. The course will also focus on the importance of observation and authentic assessment in curriculum planning. The course will also address the use of creative play to support children's learning and development in early childhood settings, including the use of technology to support play and learning. Education majors only. A minimum G.P.A. of 3.00 is required to take this course. Clinical Practice hours required. Prerequisites: EDL-333 and EDL-280

B.A. in Anthropology and Education with Endorsements in Elementary and Students with Disabilities (AN.EDEY.BA)

Code	Title	Credits
Major Requirements/Anthropology (30 credits)		
AN-103	Cultural Anthropology	3
(Satisfies Social Science (SS.SV) in General Education)		
AN-104	Introduction to Biological Anthropology	3
AN-107	Introduction to Archaeology	3
Select 9 credits in Anthropology at the 250-level or higher		9
Select 3 credits in Anthropology at the 300-level or higher		3
Select one of the following:		3
AN-315	Field Research in Archaeology	
AN-322	Ethnographic Methods	
AN-390	Archaeology Field Study	
AN-401	Anthropological Theory	3
AN-426	Research Seminar in Anthropology	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
Major Requirements/Education (42 credits) [1]		
ED-250	Psychological and Philosophical Foundations of Education	3
EDS-330	Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
EDS-336	Classroom Management	3
EDL-326	Literacy Instruction in P-6 Educational Settings I	3
EDL-327	Methods of Teaching Content Area Literacy in the Inclusive Elementary Setting: Language Arts & Social Studies	3
ED-320	Teaching Emergent Multilinguals in an Inclusive Classroom	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
ED-360	Methods of Teaching Elementary Mathematics	3
ED-361	Methods of Teaching Science for Elementary School	3
EDS-338	Assessment Approaches, P-12	3
EDS-342	Instructional Methods and Materials for Students with Disabilities	3
EDS-350	Individualizing Curricula and Systematic Instruction for Special Education	3
ED-416 & 416S	Clinical Practice and Clinical Practice Seminar [2]	9
Interdisciplinary (AN) Requirements (15 credits)		
GO-100	People, Places, and Environments: Introduction to Geography	3
Satisfies Technological Literacy (TL) and Cultural Diversity (CD requirements in general education		
HS-101	Western Civilization in World Perspective I	3
HS-102	Western Civilization in World Perspective II	3
(Satisfies Historical Perspectives (HS.SV) in General Education)		
Select 6 credits in any combination from the following subjects:		6
Economics (BE) (recommended: BE-200)		
Political Science (PS) (recommended: PS-103)		
Psychology (PY) (recommended: PY-103)		
Interdisciplinary (ED) Requirements (6 credits)		
MA-205	Number Systems	3
MA-206	Algebraic Thinking, Probability and Statistics	3
(MA-205 and MA-206 both satisfy Mathematics in General Education)		

Free Electives (3 credits) [3]	
Complete up to 3 free elective credits. [3]	3
General Education Requirements (24 credits) [4]	
Complete 24 credits as outlined on the General Education table. [4]	24
Total Credits	**120**

[1] *Minimum grade of "C" required for Education Courses*

[2] *Students must complete the appropriate test requirement(s) with a passing score PRIOR to Clinical Practice.*

[3] *Please consult with your advisor regarding the required number of free electives that must be completed.*

[4] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(p. 44) courses must be completed.*

Additional Endorsements Available

- Early Childhood Endorsement P-3
- ESL - English as a Second Language - Elementary
- MID - Middle School Social Studies

Notes

- 54 credits must be completed at the 200 level or higher.
- Education majors are required to have an overall GPA of 3.00 for State Certification.
- By state regulation, all Education Majors seeking content area endorsement must complete 30 content credits (12+ credits at the 300+ level).

Sequence Chart

First Year

Fall	Credits	Spring	Credits
AN-103 Cultural Anthropology (Gen*Ed Social Science Survey (SS.SV))	3	HS-102 Western Civilization in World Perspective II	3
HS-101 Western Civilization in World Perspective I	3	GO-100 People, Places, and Environments: Introduction to Geography or GIS 224 (Gen*Ed Technological Literacy (TL), Cultural Diversity (CD), GO-100 only)	3
EN-101 College Composition I	3	EN-102 College Composition II	3
Select one course from BE-200, PS-103 or PY-103	3	ED-250 Psychological and Philosophical Foundations of Education	3
FO-xxx Gen*Ed World Language	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
Semester Credits	**15**	**Semester Credits**	**15**

Second Year

Fall	Credits	Spring	Credits
AN-107 Introduction to Archaeology	3	AN-104 Introduction to Biological Anthropology	3
MA-205 Number Systems	3	AN-250+ Anthropology Elective	3
ED-320 Teaching Emergent Multilinguals in an Inclusive Classroom (Gen*Ed Reasoned Oral Discourse (RD)	3	EDS-330 Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
EN-2xx Literature (LIT)	3	EDL-326 Literacy Instruction in P-6 Educational Settings I	3
Select one course from subjects: BE, PS, PY	3	MA-206 Algebraic Thinking, Probability and Statistics	3
Free Elective	3		
Semester Credits	**18**	**Semester Credits**	**15**

Third Year

Fall	Credits	Spring	Credits
EDS-336 Classroom Management	3	Select AN-315, AN-322, or AN-390	3
ED-361 Methods of Teaching Science for Elementary School	3	AN-401 Anthropological Theory	3
Gen*Ed Aesthetics (AT) AR,DA,MU,TH	3	EDS-338 Assessment Approaches, P-12	3
AN-250+ Anthropology Elective (Gen*Ed Cultural Diversity or Global Understanding (GU)	3	EDS-350 Individualizing Curricula and Systematic Instruction for Special Education	3
AN-250+ Anthropology Elective	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
Semester Credits	**15**	**Semester Credits**	**15**

Fourth Year

Fall	Credits	Spring	Credits
EDL-327 Methods of Teaching Content Area Literacy in the Inclusive Elementary Setting: Language Arts & Social Studies	3	ED-416 Clinical Practice	8
ED-360 Methods of Teaching Elementary Mathematics	3	ED-416S Clinical Practice Seminar	1
AN-300+ Anthropology Elective (Writing Intensive (WT)	3	AN-426 Research Seminar in Anthropology	3
EDS-342 Instructional Methods and Materials for Students with Disabilities	3		
PR-4xx Interdisciplinary Perspectives (ISP)	3		
Semester Credits	**15**	**Semester Credits**	**12**

Total Credits 120

B.A. in Anthropology and Education with Endorsements in P-3 and Teacher of Students with Disabilities (AN.YI.BA)

Code	Title	Credits
Major Requirements/Anthropology (30 credits)		
AN-103	Cultural Anthropology	3
(Satisfies Social Science (SS.SV) in General Education)		
AN-104	Introduction to Biological Anthropology	3
AN-107	Introduction to Archaeology	3
Select 9 credits in Anthropology at the 250-level or higher		9
Select 3 credits in Anthropology at the 300-level or higher		3
Select one of the following:		3
AN-315	Field Research in Archaeology	
AN-322	Ethnographic Methods	
AN-390	Archaeology Field Study	
AN-426	Research Seminar in Anthropology	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
AN-401	Anthropological Theory	3
Major Requirements/Education (45 credits) [1]		
ED-361	Methods of Teaching Science for Elementary School	3

ED-250	Psychological and Philosophical Foundations of Education	3
EDS-330	Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
EDS-336	Classroom Management	3
EDL-280	Introduction to Early Childhood Education	3
EDL-326	Literacy Instruction in P-6 Educational Settings I	3
ED-320	Teaching Emergent Multilinguals in an Inclusive Classroom	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
EDL-333	Family Partnerships in Early Childhood Settings	3
EDS-338	Assessment Approaches, P-12	3
EDS-342	Instructional Methods and Materials for Students with Disabilities	3
EDS-350	Individualizing Curricula and Systematic Instruction for Special Education	3
EDL-364	Early Childhood Capstone Research Seminar	3
Select 9 credits as follows: [2]		
ED-416 & 416S	Clinical Practice and Clinical Practice Seminar	9
Interdisciplinary (AN) Requirements (9 credits)		
HS-101	Western Civilization in World Perspective I	3
HS-102	Western Civilization in World Perspective II	3
(Satisfies Historical Perspective (HS.SV) in General Education)		
GO-100	People, Places, and Environments: Introduction to Geography	3
or GIS-224	Introduction to Geographic Information Systems (GIS)	
Either course satisfies Technological Literacy (TL) in General Education; GO-100 also satisfies Cultural Diversity (CD)		
Interdisciplinary (ED) Requirements (6 credits)		
MA-203	Foundations of Elementary Mathematics I	3
MA-204	Foundations of Elementary Mathematics II	3
(MA-203 and MA-204 both satisfy Mathematics in General Education)		
Free Electives (3 credits) [3]		
Select up to 3 credits of free electives [3]		3
General Education Requirements (27 credits) [4]		
Complete 24-27 credits as outlined on the General Education table. [4]		27
Total Credits		**120**

[1] *Minimum grade of "C" required for Education Courses*

[2] *Students must complete the appropriate test requirement(s) with a passing score PRIOR to Clinical Practice*

[3] *Please consult with your advisor regarding the required number of free electives that must be completed.*

[4] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(p. 44) courses must be completed.*

Notes

- 54 credits must be completed at the 200 level or higher.
- Education majors are required to have an overall GPA of 3.00 for State Certification
- By state regulation, all Education Majors seeking content area endorsement must complete 30 content credits (12+ credits at the 300+ level).

Sequence Chart

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
HS-101 Western Civilization in World Perspective I	3	HS-102 Western Civilization in World Perspective II	3
AN-103 Cultural Anthropology	3	ED-250 Psychological and Philosophical Foundations of Education	3
FO-xxx Gen*ED World Language	3	GO-100 People, Places, and Environments: Introduction to Geography or GIS 224 (Gen*Ed Technological Literacy (TL); GO-100 also satisfies Cultural Diversity (CD))	3
Free Elective	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
Semester Credits	**15**	**Semester Credits**	**15**

Second Year

Fall	Credits	Spring	Credits
AN-107 Introduction to Archaeology	3	AN-104 Introduction to Biological Anthropology	3
ED-320 Teaching Emergent Multilinguals in an Inclusive Classroom (Gen*Ed Reasoned Oral Discourse (RD) and Writing Intensive (WT))	3	AN-250+ Anthropology Elective (Writing Intensive (WT)	3
EDL-280 Introduction to Early Childhood Education	3	MA-204 Foundations of Elementary Mathematics II	3
EDL-326 Literacy Instruction in P-6 Educational Settings I	3	EDS-330 Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
MA-203 Foundations of Elementary Mathematics I (Gen*Ed Mathematics)	3	EDS-338 Assessment Approaches, P-12	3
EN-2xx Gen*Ed Literature (LIT)	3		
Semester Credits	**18**	**Semester Credits**	**15**

Third Year

Fall	Credits	Spring	Credits
EDS-336 Classroom Management	3	EDL-333 Family Partnerships in Early Childhood Settings	3
EDS-350 Individualizing Curricula and Systematic Instruction for Special Education	3	AN-315, AN-322, or AN-390	3
Gen*Ed Aesthetics (AT) AR,DA,MU,TH	3	AN-401 Anthropological Theory	3
AN-250+ Anthropology Elective (Gen*Ed Cultural Diversity (CD) or Global Understanding (GU)	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
AN-250+ Anthropology Elective	3	ED-361 Methods of Teaching Science for Elementary School	3
Semester Credits	**15**	**Semester Credits**	**15**

Fourth Year			
Fall	**Credits**	**Spring**	**Credits**
EDL-364 Early Childhood Capstone Research Seminar	3	AN-426 Research Seminar in Anthropology	3
AN-300+ Anthropology Elective (Gen*Ed Writing Intensive (WT)	3	ED-416 Clinical Practice	8
EDS-342 Instructional Methods and Materials for Students with Disabilities	3	ED-416S Clinical Practice Seminar	1
PR-4xx Interdisciplinary Perspectives (ISP)	3		
Free Elective	3		
Semester Credits	**15**	**Semester Credits**	**12**

Total Credits 120

B.A. in Art and Education with Endorsement in K-12 Education in Art (AR.EDS.BA)

Code	Title	Credits
Major Requirements/Art Core (30 credits)		
AR-113	Basic Design and Composition	3
AR-114	Basic Design and Color	3
AR-116	Three-Dimensional Design	3
AR-172	Introduction to Digital Design	3
(Satisfies Technological Literacy (TL) in General Education)		
AR-181	Digital Photography I	3
AR-191	Drawing I: Observation	3
AR-192	Drawing II	3
AR-241	History of Western Art I	3
AR-242	History of Western Art II	3
(Art courses in major satisfy Aesthetics (AT) in General Education)		
Select 3 credits in Art History from the following courses:		3
AR-347	History of Photography	
AR-348	Art of India	
AR-349	Asian Art Survey	
AR-366	Contemporary Art and Worldbuilding	
AR-367	African American Art	
(Any of these five courses will fulfill General Education Cultural Diversity (CD) or Global Understanding (GU) requirement)		
AR-REV	Art and Design Student Portfolio Review	0
AR-SHO	Senior Show	0
Major Requirements/Education (24 credits) [1]		
ED-250	Psychological and Philosophical Foundations of Education	3
EDS-330	Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
EDS-336	Classroom Management	3
ED-319	Content Literacy and Assessment	3
ED-320	Teaching Emergent Multilinguals in an Inclusive Classroom	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
Select 9 credits as follows: [2]		
ED-416 & 416S	Clinical Practice and Clinical Practice Seminar	9
Art Major Requirements (24 credits)		
AR-217	Sculpture I	3
AR-221	Painting I	3
AR-222	Painting II	3
AR-265	Hand Built Ceramics	3
or AR-266	Wheel Thrown Ceramics	
AR-311	Drawing III	3
AR-316	Sculpture II	3
AR-321	Painting III	3
Select one of the following:		3
AR-381	Print: Intaglio/Relief	
AR-382	Print: Lithography and Silkscreening	
AR-306	Creative Book Arts	
Education Interdisciplinary Requirements (3 credits)		
MA-100	Quantitative Reasoning and Problem Solving	3
or MA-205	Number Systems	
(MA-100 and MA-205 both satisfy Mathematics in General Education)		
Art Method Requirements (9 credits)		
ED-351	Methods of Teaching Art I	3
ED-352	Methods of Teaching Art II	3
ED-377	Integrated K-12 Teaching Methods	3
Free Electives (0 credits) [3]		
The number of free electives, if any, will be determined in consultation with your advisor. [3]		
General Education Requirements (30 credits) [4]		
Complete 30 credits as outlined on the General Education table. [4]		30
Total Credits		**120**

1 *Minimum grade of "C" required for Education Courses.*

2 *Students must complete the appropriate test requirement(s) with a passing score PRIOR to Clinical Practice.*

3 *Please consult with your advisor regarding the required number of free electives that must be completed.*

4 *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(p. 44) courses must be completed.*

Additional Endorsements Available

- ESL - English as a Second Language - K-12
- TSD - Teacher of Students with Disabilities - K12

Notes

- 54 credits must be completed at the 200 level or higher.
- Education majors are required to have an overall GPA of 3.00 for State Certification.

- By state regulation, all Education Majors seeking content area endorsement must complete 30 content credits (12+ credits at the 300+ level).

Sequence Chart

First Year			
Fall	**Credits**	**Spring**	**Credits**
EN-101 College Composition I	3	EN-102 College Composition II	3
AR-113 Basic Design and Composition	3	AR-114 Basic Design and Color	3
AR-191 Drawing I: Observation	3	AR-116 Three-Dimensional Design	3
AR-241 History of Western Art I	3	AR-192 Drawing II	3
Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3	ED-250 Psychological and Philosophical Foundations of Education	3
Semester Credits	**15**	**Semester Credits**	**15**
Second Year			
Fall	**Credits**	**Spring**	**Credits**
ED-320 Teaching Emergent Multilinguals in an Inclusive Classroom (Gen*Ed Reasoned Oral Discourse (RD) and Writing Intensive (WT))	3	AR-222 Painting II	3
AR-217 Sculpture I	3	AR-242 History of Western Art II	3
AR-221 Painting I	3	AR-316 Sculpture II	3
FO-xxx Gen*Ed World Language	3	AR-REV Art and Design Student Portfolio Review	0
Gen*Ed Historical Perspectives (HS.SV) or Social Science Survey (SS.SV)	3	EDS-330 Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
		EN-2xx Gen*Ed Literature (LIT)	3
Semester Credits	**15**	**Semester Credits**	**15**
Third Year			
Fall	**Credits**	**Spring**	**Credits**
MA-100 Quantitative Reasoning and Problem Solving or 205	3	AR-181 Digital Photography I	3
AR-172 Introduction to Digital Design	3	Select one from: AR-381, AR-382, or AR-306	3
Select one from: AR-347, AR-348, AR-349, AR-366, or AR-367 (Satisfied Cultural Diversity (CD) or Global Understanding (GU))	3	ED-319 Content Literacy and Assessment	3
EDS-336 Classroom Management	3	ED-352 Methods of Teaching Art II	3
ED-351 Methods of Teaching Art I	3	Gen*Ed Social Science Survey (SS.SV)	3
		Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
Semester Credits	**15**	**Semester Credits**	**18**
Fourth Year			
Fall	**Credits**	**Spring**	**Credits**
ED-377 Integrated K-12 Teaching Methods	3	AR-SHO Senior Show	0
AR-311 Drawing III	3	ED-416 Clinical Practice	8
AR-321 Painting III	3	ED-416S Clinical Practice Seminar	1
AR-265 Hand Built Ceramics or 266	3	PR-4xx Gen*Ed Interdisciplinary Perspectives (ISP)	3
Gen*Ed Historical Perspectives (HS.SV)	3		
Semester Credits	**15**	**Semester Credits**	**12**
Total Credits 120			

B.A. in Early Childhood Education and Teacher of Students with Disabilities (ECE.TSD.BA)

Code	Title	Credits
Education Requirements (45 credits) [1]		
ED-250	Psychological and Philosophical Foundations of Education	3
EDL-280	Introduction to Early Childhood Education	3
ED-320	Teaching Emergent Multilinguals in an Inclusive Classroom	3
*(Gen*Ed Reasoned Oral Discourse (RD) and Writing Intensive (WT)*		
EDS-330	Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood (Gen*Ed Writing Intensive (WT)	3
EDS-350	Individualizing Curricula and Systematic Instruction for Special Education	3
EDL-326	Literacy Instruction in P-6 Educational Settings I	3
EDL-333	Family Partnerships in Early Childhood Settings	3
EDS-338	Assessment Approaches, P-12	3
EDS-336	Classroom Management	3
ED-361	Methods of Teaching Science for Elementary School	3
EDL-364	Early Childhood Capstone Research Seminar	3
EDS-342	Instructional Methods and Materials for Students with Disabilities	3
Select 9 credits as follows: [2]		
ED-416	Clinical Practice	8
ED-416S	Clinical Practice Seminar	1
History Content (3 credits)		
HS-201	United States History I	3
or HS-202	United States History II	
Anthropology Content (3 credits)		
AN-103	Cultural Anthropology	3
(Satisfies Social Science Survey (SS.SV) in General Education)		
Science Content (3 credits)		
SC-130	Climate Science for 21st Century Citizens (Gen*ED Natural Science (NS) BY,CE,PH,SC,GL)	3
Math Content (6 credits)		
(Satisfies Mathematics in General Education)		
MA-205	Number Systems	3
MA-206	Algebraic Thinking, Probability and Statistics	3
English Content (12 credits)		
EN-227, EN-228 or EN-229 (Satisfies Gen*Ed Literature (LIT)		3
EN-342	Children's and Young Adult Literature	3
EN-300+ English Elective		3

EN-470	Theory and Practice of Writing	3
Liberal Arts Requirements (15 credits)		
PS-102	International Relations (Gen*Ed Social Science Survey SS.SV)	3
or PS-103	American National Government	
HS-2xx+ History Elective		3
GO-100	People, Places, and Environments: Introduction to Geography	3
*(Gen*Ed Cultural Diversity (CD) and Technological Literacy (TL)*		
BE-200	Economics for Social Science	3
or HS-310	Business and Economic Development of the United States	
HE-101	Strategies for Healthy Living	3
Free Electives (12 credits) [3]		
Select up to 12 free elective credits		12
General Education Requirements (21 credits) [4]		
Complete 21 credits as outlined on the General Education table.		21
Total Credits		**120**

[1] *Minimum grade of "C" or higher for all Education courses*
[2] *Students must complete the appropriate test requirement(s) with a passing score PRIOR to Clinical Practice*
[3] *Please consult with your advisor regarding the required number of free electives that must be completed.*
[4] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education (p. 44) *courses must be completed.*

Additional Endorsements Available

- ESL - English as a Second Language - Elementary

Notes

- 54 credits must be completed at the 200 level or higher.
- Education majors are required to have an overall GPA of 3.00 for State Certification.

Sequence Chart

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I (Gen*Ed Composition)	3	ED-250 Psychological and Philosophical Foundations of Education	3
HS-101 Western Civilization in World Perspective I or 102 (Gen*Ed Historical Perspectives (HS.SV))	3	EN-102 College Composition II (Gen*Ed Composition)	3
Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3	SC-130 Climate Science for 21st Century Citizens (Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL)	3
World Language (Gen*Ed)	3	HS-202 United States History II	3
AN-103 Cultural Anthropology	3	GO-100 People, Places and Environments Introduction to Geography (Gen*Ed Technological Literacy (TL) and Cultural Diversity(CD))	3
Semester Credits	**15**	**Semester Credits**	**15**

Second Year

Fall	Credits	Spring	Credits
EDL-326 Literacy Instruction in P-6 Educational Settings I	3	EDS-330 Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
ED-320 Teaching Emergent Multilinguals in an Inclusive Classroom (Gen*Ed Reasoned Oral Discourse (RD))	3	EDL-280 Introduction to Early Childhood Education	3
MA-205 Number Systems	3	MA-206 Algebraic Thinking, Probability and Statistics	3
EN-227, EN-228, or EN-229 (Gen*Ed Literature (LIT)	3	AR, DA, MU, or TH(Gen*Ed Aesthetics(AT))	3
HE-101 Strategies for Healthy Living	3	Free Elective	3
Free Elective	3		
Semester Credits	**18**	**Semester Credits**	**15**

Third Year

Fall	Credits	Spring	Credits
EDS-336 Classroom Management	3	EDS-338 Assessment Approaches, P-12	3
EDL-333 Family Partnerships in Early Childhood Settings	3	EDS-350 Individualizing Curricula and Systematic Instruction for Special Education	3
ED-361 Methods of Teaching Science For Elementary School	3	EN-300+ English Elective	3
HS 2xxx+ History Elective	3	PS-102 International Relations or 103	3
EN-342 Children's and Young Adult Literature	3	Free Electives	3
Semester Credits	**15**	**Semester Credits**	**15**

Fourth Year

Fall	Credits	Spring	Credits
EDL-364 Early Childhood Capstone Research Seminar	3	ED-416 Clinical Practice	8
EN-470 Theory and Practice of Writing	3	ED-416S Clinical Practice Seminar	1
EDS-342 Instructional Methods and Materials for Students with Disabilities	3	PR-xxx (Gen*Ed Interdisciplinary Perspectives (ISP)	3
BE-200 Economics for Social Science or HS 310	3		
Free Elective	3		
Semester Credits	**15**	**Semester Credits**	**12**

Total Credits 120

B.A. in Early Childhood and Elementary Education and Teacher of Students with Disabilities (ECEE.TSD.BA)

Code	Title	Credits
Education Requirements (51 credits) [1]		
ED-250	Psychological and Philosophical Foundations of Education	3
EDL-280	Introduction to Early Childhood Education	3
ED-320	Teaching Emergent Multilinguals in an Inclusive Classroom	3
*(Ged*Ed Reasoned Oral Discourse (RD) and Writing Intensive (WT)*		

EDS-330	Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood (Gen*Ed Writing Intensive (WT)	3
EDS-350	Individualizing Curricula and Systematic Instruction for Special Education	3
EDL-326	Literacy Instruction in P-6 Educational Settings I	3
EDL-327	Methods of Teaching Content Area Literacy in the Inclusive Elementary Setting: Language Arts & Social Studies	3
EDL-333	Family Partnerships in Early Childhood Settings	3
EDS-338	Assessment Approaches, P-12	3
EDS-336	Classroom Management	3
ED-360	Methods of Teaching Elementary Mathematics	3
ED-361	Methods of Teaching Science for Elementary School	3
EDL-364	Early Childhood Capstone Research Seminar	3
EDS-342	Instructional Methods and Materials for Students with Disabilities	3
Select 9 credits as follows: [2]		
ED-416	Clinical Practice	8
ED-416S	Clinical Practice Seminar	1
History Content (3 credits)		
HS-201	United States History I	3
or HS-202	United States History II	
Anthropology Content (3 credits)		
AN-103	Cultural Anthropology	3
(Satisfies Social Science Survey (SS.SV) in General Education)		
Science Content (3 credits)		
SC-130	Climate Science for 21st Century Citizens (Gen*Ed Natural Science (NS) BY,CE,PH,SC.GL)	3
Math Content (6 credits)		
(Satisfies Mathematics in General Education)		
MA-205	Number Systems	3
MA-206	Algebraic Thinking, Probability and Statistics	3
English Content (12 credits)		
EN-227, EN-228, or EN-229 (Gen*Ed Literature (LIT)		3
EN-300+ English Elective		3
EN-342	Children's and Young Adult Literature	3
EN-470	Theory and Practice of Writing	3
Liberal Arts Requirements (15 credits)		
PS-102	International Relations (Gen*Ed Social Science Survey SS.SV)	3
or PS-103	American National Government	
GO-100	People, Places, and Environments: Introduction to Geography	3
(Satisfies Cultural Diversity (CD) and Technological Literacy (TL) in General Education)		
HE-101	Strategies for Healthy Living	3
HS-2xx+ or higher History Elective		3
BE-200	Economics for Social Science	3
or HS-310	Business and Economic Development of the United States	
Free Electives (6 credits) [3]		
Select up to 6 free elective credits		6
General Education Requirements (21 credits) [4]		
Select up to 21 General Education Requirements		21
Total Credits		**120**

[1] *Minimum grade of "C" or higher for all Education courses*

[2] *Students must complete the appropriate test requirement(s) with a passing score PRIOR to Clinical Practice*

[3] *Please consult with your advisor regarding the required number of free electives that must be completed.*

[4] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education (p. 44*) courses must be completed.*

Additional Endorsements Available

- ESL - English as a Second Language - Elementary

Notes

- 54 credits must be completed at the 200 level or higher.
- Education majors are required to have an overall GPA of 3.00 for State Certification.

Sequence Chart

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	ED-250 Psychological and Philosophical Foundations of Education	3
HS-101 Western Civilization in World Perspective I or 102	3	EN-102 College Composition II	3
AN-103 Cultural Anthropology (Gen*Ed Social Science Survey (SS.SV))	3	SC-130 Climate Science for 21st Century Citizens (BY,CE,PH,SC, OR GL (Gen*Ed Natural Science (NS)))	3
BY,CE,PH,SC, OR GL (Gen*Ed Natural Science (NS)	3	HS-202 United States History II	3
World Language (Gen* Ed)	3	GO-100 People, Places and Environments Introduction to Geography (Gen*Ed Technological Literacy(TL) and Cultural Diversity(CD))	3
Semester Credits	**15**	**Semester Credits**	**15**

Second Year

Fall	Credits	Spring	Credits
ED-320 Teaching Emergent Multilinguals in an Inclusive Classroom (Gen*Ed Reasoned Oral Discourse (RD) and Writing Intensive (WT)	3	EDL-280 Introduction to Early Childhood Education	3
EDL-326 Literacy Instruction in P-6 Educational Settings I	3	EDS-330 Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood (Gen*Ed Writing Intensive (WT)	3
HE-101 Strategies for Healthy Living	3	MA-206 Algebraic Thinking, Probability and Statistics	3
MA-205 Number Systems	3	Free Elective	3

EN-227, EN-228 or EN-229 (Gen*Ed Literature (LIT))	3	AR,MU,TH or DA (Gen*Ed Aesthetics (AT))	3
Semester Credits	**15**	**Semester Credits**	**15**

Third Year

Fall	Credits	Spring	Credits
ED-361 Methods of Teaching Science for Elementary School	3	EDS-350 Individualizing Curricula and Systematic Instruction for Special Education	3
EDL-333 FAmily Partnerships in Early Childhood Settings	3	EDS-338 Assessment Approaches, P-12	3
EDS-336 Classroom Management	3	EDL-364 Early Childhood Capstone Research Seminar	3
HS-2xx+ History Elective	3	PS-102 International Relations or 103	3
EN-342 Children's and Young Adult Literature	3	EN-300+ English Elective	3
		Free Electives	3
Semester Credits	**15**	**Semester Credits**	**18**

Fourth Year

Fall	Credits	Spring	Credits
EDL-327 Methods of Teaching Content Area Literacy in the Inclusive Elementary Setting: Language Arts & Social Studies	3	ED-416 Clinical Practice	8
ED-360 Methods of Teaching Elementary Mathematics	3	ED-416S Clinical Practice Seminar	1
EN-470 Theory and Practice of Writing	3	PR-xxx Gen*Ed Interdisciplinary Perspectives (ISP)	3
EDS-342 Instructional Methods and Materials for Students with Disabilities	3		
BE-200 Economics for Social Science or HS 310	3		
Semester Credits	**15**	**Semester Credits**	**12**

Total Credits 120

B.A. in English and Education with Endorsements in Elementary and Teacher of Students with Disabilities (EN.EDEY.BA)

Code	Title	Credits
Major Requirements/English (36 credits)		
EN-226	Literary Studies for English Majors	3
EN-227	Foundations of British Literature	3
EN-228	Foundations of American Literature	3
EN-229	Non-European Literature in English	3
(EN-227, EN-228, EN-229 satisfy Literature (LIT) in General Education)		
(EN-229 satisfies Global Understanding (GU) in General Educaiton)		
EN-305	Shakespeare I	3
or EN-306	Shakespeare II	
Select one of the following:		3
EN-441	Criticism and Theory	
EN-442	Language and Linguistics	
(Satisfies Technological Literacy (TL) in General Education if selected)		
EN-443	History of the English Language	
EN-470	Theory and Practice of Writing (Elementary & Special Education Majors) [1]	
EN-474	Approaches to Composition Theory (Secondary Education Majors) [1]	
Select one of the following:		3
EN-252	Creative Writing: Fiction	
EN-253	Creative Writing: Poetry	
EN-254	Creative Writing: Drama	
EN-255	Creative Writing: Non-Fiction	
EN-271	Professional Writing	
(EN-271 satisfies Technological Literacy in General Education if selected)		
EN-300+ level or higher (excluding EN-342, EN-384, EN-388, EN-488, and EN-489)		
Select 6 additional credits from English (EN) 300+ level (excluding EN-342, EN-384, EN-388, EN-488, and EN-489)		6
Select 6 additional credits from English (EN) 400+ level (excluding EN-488 and EN-489)		6
EN-491	Seminar in English	3
Major Requirements/Education (42 credits) [2]		
ED-250	Psychological and Philosophical Foundations of Education	3
EDS-330	Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
EDS-336	Classroom Management	3
EDL-326	Literacy Instruction in P-6 Educational Settings I	3
ED-320	Teaching Emergent Multilinguals in an Inclusive Classroom	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
EDL-327	Methods of Teaching Content Area Literacy in the Inclusive Elementary Setting: Language Arts & Social Studies	3
ED-360	Methods of Teaching Elementary Mathematics	3
ED-361	Methods of Teaching Science for Elementary School	3
EDS-338	Assessment Approaches, P-12	3
EDS-342	Instructional Methods and Materials for Students with Disabilities	3
EDS-350	Individualizing Curricula and Systematic Instruction for Special Education	3
Select 9 credits as follows: [2,3]		
ED-416 & 416S	Clinical Practice and Clinical Practice Seminar	9
English Interdisciplinary Requirements (6 credits)		
Select 6 credits from the same world language, any level [4]		6
(Satisfies 3 credits of the World Language requirement in General Education)		
Education Interdisciplinary Requirements (6 credits)		
MA-205	Number Systems	3
MA-206	Algebraic Thinking, Probability and Statistics	3

(MA-205 and MA-206 satisfy Mathematics in General Education)	
Free Electives (0 credits) [4]	
The number of free electives, if any, will be determined in consultation with your advisor [4]	0
General Education Requirements (30 credits) [5]	
Complete 30 credits as outlined on the General Education table. [5]	30
Total Credits	**120**

[1] *EN/ED majors MUST take EN-470 Theory and Practice of Writing (3 cr.) or EN-474 Approaches to Composition Theory (3 cr.) to fulfill the above credits.*

[2] *Minimum grade of "C" required for Education Courses*

[3] *Students must complete the appropriate test requirement(s) with a passing score PRIOR to Clinical Practice.*

[4] *Please consult with your advisor regarding the required number of free electives that must be completed.*

[5] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education (p. 44) *courses must be completed.*

Additional Endorsements Available

- P-3 Early Childhood Endorsement
- ESL - English as a Second Language - Elementary
- MID-EN - Middle School English

Notes

- 54 credits must be completed at the 200 level or higher.
- Education majors are required to have an overall GPA of 3.00 for State Certification.
- By state regulation, all Education Majors seeking content area endorsement must complete 30 content credits (12+ credits at the 300+ level).
- The English Department awards Departmental Honors to those graduating seniors who successfully complete a thesis, 2 courses beyond the standard major requirements, a 3.50 major GPA, a 3.30 overall GPA, and fulfill the intermediate language requirements.

Sequence Chart

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
HS-xxx Gen*Ed Historical Perspectives (HS.SV)	3	ED-250 Psychological and Philosophical Foundations of Education	3
Gen*Ed Natural Science (NS) BY,CE,PH,GL	3	Gen*Ed Historical Perspectives (HS.SV) or Social Science Survey (SS.SV)	3
Gen*ED Social Science Survey (SS.SV)	3	Gen*Ed Natural Science (NS) BY,CE,PH,GL	3
FO-xxx World Language (Satisfies Gen*Ed World Language)	3	FO-xxx World Language	3
Semester Credits	**15**	**Semester Credits**	**15**

Second Year

Fall	Credits	Spring	Credits
ED-320 Teaching Emergent Multilinguals in an Inclusive Classroom (Gen*Ed Reasoned Oral Discourse (RD) and Writing Intensive (WT)	3	EDS-330 Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
EN-226 Literary Studies for English Majors (Gen*Ed Writing Intensive (WT)	3	EDL-326 Literacy Instruction in P-6 Educational Settings I	3
EN-229 Non-European Literature in English (Satisfies Literature (LIT) and Global Understanding (GU) in Gen*Ed	3	Gen*Ed Aesthetics (AT) AR, DA, MU, TH	3
MA-205 Number Systems	3	MA-206 Algebraic Thinking, Probability and Statistics	3
EN-3xx+ English Elective	3	EN-227 Foundations of British Literature (Satisfies Literature (LIT) in Gen*Ed)	3
		EN-252, EN-253, EN-254, EN-255, EN-271 (satisfies Gen*Ed Technological Literacy (TL), or EN-300+	3
Semester Credits	**15**	**Semester Credits**	**18**

Third Year

Fall	Credits	Spring	Credits
EDS-336 Classroom Management	3	EDS-338 Assessment Approaches, P-12	3
ED-361 Methods of Teaching Science for Elementary School	3	EDS-350 Individualizing Curricula and Systematic Instruction for Special Education	3
EN-228 Foundations of American Literature	3	EN-300+ English Electives	3
EN-305 Shakespeare I or 306	3	EN-400 English Elective	3
EN-400+ English Elective	3	EN-470 Theory and Practice of Writing	3
Semester Credits	**15**	**Semester Credits**	**15**

Fourth Year

Fall	Credits	Spring	Credits
EDL-327 Methods of Teaching Content Area Literacy in the Inclusive Elementary Setting: Language Arts & Social Studies	3	ED-416 Clinical Practice	8
ED-360 Methods of Teaching Elementary Mathematics	3	ED-416S Clinical Practice Seminar	1
EDS-342 Instructional Methods and Materials for Students with Disabilities	3	PR-xxx Gen*Ed Interdisciplinary Perspectives (ISP)	3
EN-442 Language and Linguistics (Gen*Ed Technological Literacy (TL)	3		
EN-491 Seminar in English	3		
Semester Credits	**15**	**Semester Credits**	**12**

Total Credits 120

B.A. in English and Education with Endorsement in Secondary Education in English (EN.EDS.BA)

Code	Title	Credits
Major Requirements/English (36 credits)		
EN-226	Literary Studies for English Majors	3
EN-227	Foundations of British Literature	3
EN-228	Foundations of American Literature	3

EN-229	Non-European Literature in English	3
(EN-227, EN-228, EN-229 satisfy Literature (LIT) in General Education)		
(EN-229 satisfies Global Understanding (GU) in General Education)		
EN-305	Shakespeare I	3
or EN-306	Shakespeare II	
Select one of the following:		3
EN-441	Criticism and Theory	
EN-442	*Language and Linguistics*	
(EN-442 satisfies Technological Literacy (TL) in General Education if selected)		
EN-443	History of the English Language	
EN-470	Theory and Practice of Writing (Elementary & Special Education Majors) [1]	
EN-474	Approaches to Composition Theory (Secondary Education Majors) [1]	
Select one of the following:		3
EN-252	Creative Writing: Fiction	
EN-253	Creative Writing: Poetry	
EN-254	Creative Writing: Drama	
EN-255	Creative Writing: Non-Fiction	
EN-271	Professional Writing	
(EN-271 satisfies Technological Literacy (TL) in General Education if selected)		
EN-300+ level or higher (excluding EN-342, EN-384, EN-388, EN-488 and EN-389)		
Select 6 additional credits from English (EN) 300+ level (excluding EN-342, EN-384, EN-388, EN-488 and EN-489)		6
Select 6 additional credits from English (EN) 400+ level (excluding EN-488 and EN-489)		6
EN-491	Seminar in English	3
Major Requirements/Education (24 credits) [2]		
ED-250	Psychological and Philosophical Foundations of Education	3
EDS-330	Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
EDS-336	Classroom Management	3
ED-319	Content Literacy and Assessment	3
ED-320	Teaching Emergent Multilinguals in an Inclusive Classroom	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
Select 9 credits as follows: [3]		
ED-416 & 416S	Clinical Practice and Clinical Practice Seminar	9
English Interdisciplinary Requirements (6 credits)		
Select 6 credits from the same World Language, any level		6
(Satisfies World Language requirement in General Education)		
Education Interdisciplinary Requirements (3 credits)		
MA-100	Quantitative Reasoning and Problem Solving	3
or MA-203	Foundations of Elementary Mathematics I	
(MA-100 and MA-203 satisfy Mathematics in General Education)		
Education Methods Requirements (6 credits) [2]		
ED-315	Digital Media and Instructional Technology Skills for Teachers	3
ED-367	Methods of Teaching English at the Secondary Level	3
Free Electives (15 credits) [4]		
Select up to 15 credits of free electives [4]		15
General Education Requirements (30 credits) [5]		
Complete 30 credits as outlined on the General Education table. [5]		30
Total Credits		**120**

[1] *EN/ED majors MUST take EN-470 Theory and Practice of Writing (3 cr.) or EN-474 Approaches to Composition Theory (3 cr.) to fulfill the above credits.*

[2] *Minimum grade of "C" required for Education Courses*

[3] *Students must complete the appropriate test requirement(s) with a passing score PRIOR to Clinical Practice.*

[4] *Please consult with your advisor regarding the required number of free electives that must be completed.*

[5] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education (p. 44) *courses must be completed.*

Additional Endorsements Available

- ESL - English as a Second Language - Secondary
- TSD - Teacher of Students with Disabilities - Secondary

Notes

- 54 credits must be completed at the 200 level or higher.
- Education majors are required to have an overall GPA of 3.00 for State Certification.
- By state regulation, all Education Majors seeking content area endorsement must complete 30 content credits (12+ credits at the 300+ level).
- The English Department awards Departmental Honors to those graduating seniors who successfully complete a thesis, two designated courses beyond the standard major requirements, a 3.50 major GPA, a 3.30 overall GPA, and fulfillment of the World Languages requirement for English majors.

Sequence Chart

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
Gen*Ed Historical Perspectives (HS.SV)	3	Gen*Ed Historical Perspectives (HS.SV) or Social Science Survey (SS.SV)	3
Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3	ED-250 Psychological and Philosophical Foundations of Education	3
Gen*ED Social Science (SS.SV)	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
FO-xxx Gen*Ed World Language	3	FO-xxx World Language	3
Semester Credits	**15**	**Semester Credits**	**15**

Second Year

Fall	Credits	Spring	Credits
ED-320 Teaching Emergent Multilinguals in an Inclusive Classroom (Satisfies Reasoned Oral Discourse (RD) and Writing Intensive (WT) in Gen*ED)	3	EDS-330 Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
EN-226 Literary Studies for English Majors (Gen*Ed Writing Intensive (WT))	3	EN-227 Foundations of British Literature	3
EN-229 Non-European Literature in English (Gen*Ed Literature (LIT) and Global Understanding (GU)	3	EN-252, EN-253, EN-254, EN-255, EN-271, or EN-3xx+(EN-271 satisfies Technological Literacy (TL) in Gen*Ed if selected)	3
MA-100 Quantitative Reasoning and Problem Solving or 203 (Gen*Ed Mathematics)	3	Gen*Ed Aesthetics (AT) AR, DA, MU, TH	3
Free Elective	3	Free Elective	3
Semester Credits	**15**	**Semester Credits**	**15**

Third Year

Fall	Credits	Spring	Credits
EDS-336 Classroom Management	3	ED-319 Content Literacy and Assessment	3
EN-228 Foundations of American Literature	3	EN-474 Approaches to Composition Theory	3
EN-305 Shakespeare I or 306	3	EN-300+ English Elective	6
Free Electives	6	Free Elective	6
Semester Credits	**15**	**Semester Credits**	**18**

Fourth Year

Fall	Credits	Spring	Credits
ED-315 Digital Media and Instructional Technology Skills for Teachers	3	ED-416 Clinical Practice	8
ED-367 Methods of Teaching English at the Secondary Level	3	ED-416S Clinical Practice Seminar	1
EN-491 Seminar in English	3	Gen*Ed Interdisciplinary Perspectivs (ISP)	3
EN400+ English Electives	6		
Semester Credits	**15**	**Semester Credits**	**12**

Total Credits 120

B.A. in English and Education with Endorsements in P-3 and Teacher of Students with Disabilities (EN.YI.BA)

Code	Title	Credits
Major Requirements/English (36 credits)		
EN-226	Literary Studies for English Majors	3
EN-227	Foundations of British Literature	3
EN-228	Foundations of American Literature	3
EN-229	Non-European Literature in English	3
(EN-227, EN-228, EN-229 satisfy Literature (LIT) in General Education)		
(EN-229 satisfies Global Understanding (GU) in General Education)		
EN-305	Shakespeare I	3
or EN-306	Shakespeare II	
Select one of the following:		3
EN-441	Criticism and Theory	
EN-442	Language and Linguistics	
(EN-442 satisfies Technological Literacy (TL) in General Education if selected)		
EN-443	History of the English Language	
EN-470	Theory and Practice of Writing (Elementary & Special Education Majors) [1]	
EN-474	Approaches to Composition Theory (Secondary Education Majors) [1]	
Select one of the following:		3
EN-252	Creative Writing: Fiction	
EN-253	Creative Writing: Poetry	
EN-254	Creative Writing: Drama	
EN-255	Creative Writing: Non-Fiction	
EN-271	Professional Writing	
(EN-271 satisfies Technological Literacy (TL) in General Education if selected)		
EN-300+ level or higher (excluding EN-342, EN-384, EN-388, EN-488 and EN-489)		
Select 6 additional credits from English (EN) 300+ level (excluding EN-342, EN-384, EN-388, EN-488 and EN-489)		6
Select 6 additional credits from English (EN) 400+ level (excluding EN-342, EN-384, EN-388, EN-488 and EN-489)		6
EN-491	Seminar in English	3
Major Requirements/Education (45 credits) [2]		
ED-250	Psychological and Philosophical Foundations of Education	3
ED-361	Methods of Teaching Science for Elementary School	3
EDL-280	Introduction to Early Childhood Education	3
EDL-326	Literacy Instruction in P-6 Educational Settings I	3
ED-320	Teaching Emergent Multilinguals in an Inclusive Classroom	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
EDL-333	Family Partnerships in Early Childhood Settings	3
EDS-330	Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
EDS-336	Classroom Management	3
EDS-338	Assessment Approaches, P-12	3
EDS-342	Instructional Methods and Materials for Students with Disabilities	3
EDS-350	Individualizing Curricula and Systematic Instruction for Special Education	3
EDL-364	Early Childhood Capstone Research Seminar	3
Select 9 credits as follows: [3]		
ED-416 & 416S	Clinical Practice and Clinical Practice Seminar	9
English Interdisciplinary Requirements (6 credits)		
Select 6 credits from the same World Language, any level [4]		6
(Satisfies World Language requirement in General Education)		

Education Interdisciplinary Requirements (6 credits)		
MA-203	Foundations of Elementary Mathematics I	3
MA-204	Foundations of Elementary Mathematics II	3
(MA-203 and MA-204 satisfy Mathematics in General Education)		
Free Electives (0 credits) [4]		
The number of free electives, if any, will be determined in consultation with the advisor. [4]		
General Education Requirements (30 credits) [5]		
Complete 30 credits as outlined on the General Education table. [5]		30
Total Credits		**123**

1 *EN/ED majors MUST take EN-470 Theory and Practice of Writing (3 cr.) or EN-474 Approaches to Composition Theory (3 cr.) to fulfill the above credits.*

2 *Minimum grade of "C" required for Education Courses*

3 *Students must complete the appropriate test requirement(s) with a passing score PRIOR to Clinical Practice.*

4 *Please consult with your advisor regarding the required number of free electives that must be completed.*

5 *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education (p. 44) *courses must be completed.*

Notes

- 54 credits must be completed at the 200 level or higher.
- Education majors are required to have an overall GPA of 3.00 for State Certification.
- By state regulation, all Education Majors seeking content area endorsement must complete 30 content credits (12+ credits at the 300+ level).
- The English Department awards Departmental Honors to those graduating seniors who successfully complete a senior thesis, two designated courses beyond the standard major requirements, a 3.50 major GPA, a 3.30 overall GPA, and fulfillment of the World Language requirement for English majors.

Sequence Chart

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
Gen*Ed Historical Perspectives (HS.SV)	3	ED-250 Psychological and Philosophical Foundations of Education	3
Gen*Ed Social Science Survey (SS.SV)	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
FO-xxx Gen*Ed World Language	3	Gen*Ed Historical Perspectives (HS.SV) or Social Science Survey (SS.SV)	3
Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3	FO-xxx World Language	3
Semester Credits	**15**	**Semester Credits**	**15**

Second Year

Fall	Credits	Spring	Credits
EN-229 Non-European Literature in English (Gen*Ed Literature (LIT) and Global Understanding (GU)	3	EDS-330 Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
EN-226 Literary Studies for English Majors (Gen*Ed Writing Intensive (WT)	3	EDS-338 Assessment Approaches, P-12	3
ED-320 Teaching Emergent Multilinguals in an Inclusive Classroom (Gen*Ed Reasoned Oral Discourse (RD) and Writing Intensive (WT)	3	EN-227 Foundations of British Literature	3
EDL-280 Introduction to Early Childhood Education	3	EN-252, EN-253, EN-254, EN-255, EN-271 (Satisfies Technological Literacy (TL) in Gen*ED if selected) OR EN-300+	3
EDL-326 Literacy Instruction in P-6 Educational Settings I	3	MA-204 Foundations of Elementary Mathematics II	3
MA-203 Foundations of Elementary Mathematics I (Gen*Ed Mathematics)	3		
Semester Credits	**18**	**Semester Credits**	**15**

Third Year

Fall	Credits	Spring	Credits
EDS-336 Classroom Management	3	ED-361 Methods of Teaching Science for Elementary School	3
EDS-350 Individualizing Curricula and Systematic Instruction for Special Education	3	EDL-333 Family Partnerships in Early Childhood Settings	3
EN-228 Foundations of American Literature	3	EN-470 Theory and Practice of Writing	3
EN-305 Shakespeare I or 306	3	EN-3XX+ English Elective	6
Gen*Ed Aesthetics (AT) AR, DA, MU, TH	3	Gen*Ed Technological Literacy (TL), if needed	3
Semester Credits	**15**	**Semester Credits**	**18**

Fourth Year

Fall	Credits	Spring	Credits
EDL-364 Early Childhood Capstone Research Seminar	3	ED-416 Clinical Practice	8
EN-491 Seminar in English	3	ED-416S Clinical Practice Seminar	1
EDS-342 Instructional Methods and Materials for Students with Disabilities	3	Gen*Ed Interdisciplinary Perspectives (ISP)	3
EN-4xx+ English Elective	6		
Semester Credits	**15**	**Semester Credits**	**12**

Total Credits 123

B.A. in English with Concentration in Creative Writing and Education with Endorsements in Elementary and Teacher of Students with Disabilities (EN.CW.EDEY.BA)

Code	Title	Credits
Major Requirements/English (36 credits)		
EN-226	Literary Studies for English Majors	3
EN-227	Foundations of British Literature	3
EN-228	Foundations of American Literature	3
EN-229	Non-European Literature in English	3

(EN-227, EN-228, EN-229 satisfy Literature (LIT) in General Education)		
(EN-229 also satisfies Global Understanding (GU) in General Education)		
EN-305	Shakespeare I	3
or EN-306	Shakespeare II	
Select one of the following:		3
EN-441	Criticism and Theory	
EN-442	Language and Linguistics	
(EN-442 satisfies Technological Literacy (TL) in General Education if selected)		
EN-443	History of the English Language	
EN-470	Theory and Practice of Writing (Elementary & Special Education Majors) [1]	
EN-474	Approaches to Composition Theory (Secondary Education Majors) [1]	
EN-251	Creative Writing: Introduction	3
Select one of the following:		3
EN-252	Creative Writing: Fiction	
EN-253	Creative Writing: Poetry	
EN-254	Creative Writing: Drama	
EN-255	Creative Writing: Non-Fiction	
Select one additional Literature Elective at the 300+ level (excluding EN-342, EN-384, EN-388, EN-488 and EN-489)		3
EN-352	Craft of Writing	3
EN-451	Advanced Creative Writing	3
Select one course designated with Course Type: ENCWU (excluding EN-342, EN-388, EN-488, and EN-384)		3
Major Requirements/Education (42 credits) [2]		
ED-250	Psychological and Philosophical Foundations of Education	3
EDS-330	Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
EDS-336	Classroom Management	3
EDL-326	Literacy Instruction in P-6 Educational Settings I	3
ED-320	Teaching Emergent Multilinguals in an Inclusive Classroom	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
EDL-327	Methods of Teaching Content Area Literacy in the Inclusive Elementary Setting: Language Arts & Social Studies	3
ED-360	Methods of Teaching Elementary Mathematics	3
ED-361	Methods of Teaching Science for Elementary School	3
EDS-338	Assessment Approaches, P-12	3
EDS-342	Instructional Methods and Materials for Students with Disabilities	3
EDS-350	Individualizing Curricula and Systematic Instruction for Special Education	3
ED-416 & 416S	Clinical Practice and Clinical Practice Seminar [3]	9
English Interdisciplinary Requirements (6 credits)		
Select 6 credits from the same World Language, any level		6
(Satisfies the World Language requirement in General Education)		
Education Interdisciplinary Requirements (6 credits)		
MA-205	Number Systems	3
MA-206	Algebraic Thinking, Probability and Statistics	3
(MA-205 and MA-206 both satisfy Mathematics in General Education)		
Free Electives (0 credits) [4]		
The number of free electives, if any, will be determined in consultation with your advisor [4]		0
General Education Requirements (30 credits) [5]		
Complete 30 credits as outlined on the General Education table. [5]		30
Total Credits		**120**

[1] *EN/ED majors MUST take EN-470 Theory and Practice of Writing (3 cr.) or EN-474 Approaches to Composition Theory (3 cr.) to fulfill the above credits.*

[2] *Minimum grade of "C" required for Education Courses.*

[3] *Students must complete the appropriate test requirement(s) with a passing score PRIOR to Clinical Practice.*

[4] *Please consult with your advisor regarding the required number of free electives that must be completed.*

[5] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(p. 44) courses must be completed.*

Additional Endorsements Available

- P-3 Early Childhood Endorsement
- ESL - English as a Second Language - Elementary
- MID-EN - Middle School English

Notes

- 54 credits must be completed at the 200 level or higher.
- Education majors are required to have an overall GPA of 3.00 for State Certification.
- By state regulation, all Education Majors seeking content area endorsement must complete 30 content credits (12+ credits at the 300+ level).
- The English Department awards Departmental Honors to those graduating seniors who successfully complete a thesis, 2 courses beyond the standard major requirements, a 3.50 major GPA, a 3.30 overall GPA, and fulfill the intermediate language requirements.

Sequence Chart

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
Gen*Ed Historical Perspectives (HS.SV)	3	ED-250 Psychological and Philosophical Foundations of Education	3

Gen*Ed Natural Science (NS) BY,CE,SC,PH,GL	3	Gen*Ed Historical Perspectives (HS.SV) or Social Science Survey (SS.SV)	3
Gen*Ed Social Science Survey (SS.SV)	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
FO-xxx Gen*ED World Language	3	FO-xxx World Language	3
Semester Credits	**15**	**Semester Credits**	**15**

Second Year

Fall	Credits	Spring	Credits
ED-320 Teaching Emergent Multilinguals in an Inclusive Classroom (Gen*Ed Reasoned Oral Discourse (RD)	3	EDS-330 Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
EN-226 Literary Studies for English Majors (Gen*Ed Writing Intensive (WT)	3	EDL-326 Literacy Instruction in P-6 Educational Settings I	3
EN-229 Non-European Literature in English (Gen*Ed Literature (LIT) and Global Understanding (GU)	3	MA-206 Algebraic Thinking, Probability and Statistics	3
MA-205 Number Systems	3	EN-227 Foundations of British Literature	3
Gen*Ed Aesthetics (AT)	3	EN-251 Creative Writing: Introduction	3
Semester Credits	**15**	**Semester Credits**	**15**

Third Year

Fall	Credits	Spring	Credits
EDS-336 Classroom Management	3	EDS-338 Assessment Approaches, P-12	3
ED-361 Methods of Teaching Science for Elementary School	3	EDS-350 Individualizing Curricula and Systematic Instruction for Special Education	3
EN-228 Foundations of American Literature	3	EN-352 Craft of Writing	3
EN-305 Shakespeare I or 306	3	EN-3xx+ English Elective (If selected, EN-442 satisfies an English 300+ level elective and Gen*Ed Technological Literacy (TL)	6
EN-252, EN-253, EN-254, or EN-255	3	EN-470 Theory and Practice of Writing	3
Semester Credits	**15**	**Semester Credits**	**18**

Fourth Year

Fall	Credits	Spring	Credits
EDL-327 Methods of Teaching Content Area Literacy in the Inclusive Elementary Setting: Language Arts & Social Studies	3	ED-416 Clinical Practice	8
ED-360 Methods of Teaching Elementary Mathematics	3	ED-416S Clinical Practice Seminar	1
EN-451 Advanced Creative Writing	3	Gen*Ed PR-xxx Interdisciplinary Perspectives (ISP)	3
EDS-342 Instructional Methods and Materials for Students with Disabilities	3		
EN-491 Seminar in English	3		
Semester Credits	**15**	**Semester Credits**	**12**

Total Credits 120

B.A. in English/Creative Writing and Education with Endorsement in Secondary Education in English (EN.CW.EDS.BA)

Code	Title	Credits
Major Requirements/English (36 credits)		
EN-226	Literary Studies for English Majors	3
EN-227	Foundations of British Literature	3
EN-228	Foundations of American Literature	3
EN-229	Non-European Literature in English	3
(EN-227, EN-228, EN-229 satisfy Literature (LIT) in General Education)		
(EN-229 satisfies Global Understanding (GU) in General Education)		
EN-305	Shakespeare I	3
or EN-306	Shakespeare II	
Select one of the following:		3
EN-441	Criticism and Theory	
EN-442	Language and Linguistics	
(EN-442 satisfies Technological Literacy (TL) in General Education if selected)		
EN-443	History of the English Language	
EN-470	Theory and Practice of Writing (Elementary & Special Education Majors) [1]	
EN-474	Approaches to Composition Theory (Secondary Education Majors) [1]	
EN-251	Creative Writing: Introduction	3
Select one of the following:		3
EN-252	Creative Writing: Fiction	
EN-253	Creative Writing: Poetry	
EN-254	Creative Writing: Drama	
EN-255	Creative Writing: Non-Fiction	
Select one additional Literature Elective at the 300+ level (excluding EN-342, EN-384, EN-388, EN-488 and EN-489)		3
EN-352	Craft of Writing	3
EN-451	Advanced Creative Writing	3
Select one course designated with Course Type: ENCWU (excluding EN-342, EN-388, EN-488, and EN-384)		3
Major Requirements/Education (24 credits) [2]		
ED-250	Psychological and Philosophical Foundations of Education	3
EDS-330	Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
EDS-336	Classroom Management	3
ED-319	Content Literacy and Assessment	3
ED-320	Teaching Emergent Multilinguals in an Inclusive Classroom	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
Select 9 credits as Follows: [3]		

ED-416 & 416S	Clinical Practice and Clinical Practice Seminar	9
English Interdisciplinary Requirements (6 credits)		
Select 6 credits from the same World Language, any level [4]		6
(Satisfies World Language in General Education)		
Education Interdisciplinary Requirements (3 credits) [2]		
MA-100	Quantitative Reasoning and Problem Solving	3
or MA-203	Foundations of Elementary Mathematics I	
(MA-100 and MA-203 satisfy Mathematics in General Education)		
Education Methods Requirements (6 credits) [2]		
ED-315	Digital Media and Instructional Technology Skills for Teachers	3
ED-367	Methods of Teaching English at the Secondary Level	3
Free Electives (15 credits) [4]		
Select up to 15 free elective credits. [4]		15
General Education Requirements (30 credits) [5]		
Complete 30 credits as outlined on the General Education table. [5]		30
Total Credits		**120**

[1] *EN/ED majors MUST take EN-470 Theory and Practice of Writing (3 cr.) or EN-474 Approaches to Composition Theory (3 cr.) to fulfill the above credits.*

[2] *Minimum grade of "C" required for Education Courses.*

[3] *Students must complete the appropriate test requirement(s) with a passing score PRIOR to Clinical Practice.*

[4] *Please consult with your advisor regarding the required number of free electives that must be completed.*

[5] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(p. 44) courses must be completed.*

Additional Endorsements Available

- ESL - English as a Second Language - Secondary
- TSD - Teacher of Students with Disabilities - Secondary

Notes

- 54 credits must be completed at the 200 level or higher.
- Education majors are required to have an overall GPA of 3.00 for State Certification.
- By state regulation, all Education Majors seeking content area endorsement must complete 30 content credits (12+ credits at the 300+ level).
- The English Department awards Departmental Honors to those graduating seniors who successfully complete a thesis, 2 designated courses beyond the standard major requirements, a 3.50 major GPA, a 3.30 overall GPA, and fulfillment of the World Language requirement for English majors.

Sequence Chart

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
Gen*Ed Historical Perspectives (HS.SV)	3	ED-250 Psychological and Philosophical Foundations of Education	3
Gen*Ed Social Science Survey (SS.SV)	3	Gen*Ed Historical Perspectives (HS.SV) or Social Science Survey (SS.SV)	3
Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
FO-xxx Gen*Ed World Language	3	FO-xxx World Language	3
Semester Credits	**15**	**Semester Credits**	**15**

Second Year

Fall	Credits	Spring	Credits
ED-320 Teaching Emergent Multilinguals in an Inclusive Classroom (Gen*Ed Reasoned Oral Discourse (RD)	3	EDS-330 Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
MA-100 Quantitative Reasoning and Problem Solving or 203 (Gen*Ed Mathematics)	3	EN-227 Foundations of British Literature	3
EN-226 Literary Studies for English Majors (Gen*Ed Writing Intensive (WT)	3	EN-252, EN-253, EN-254, or EN-255	3
EN-229 Non-European Literature in English (Gen*Ed. Literature (LIT) and Global Understanding (GU)	3	Gen*Ed Aesthetics (AT) AR, DA, MU, TH	3
Gen*Ed Technological Literacy (TL)	3	Free Elective	3
Semester Credits	**15**	**Semester Credits**	**15**

Third Year

Fall	Credits	Spring	Credits
EDS-336 Classroom Management	3	ED-319 Content Literacy and Assessment	3
EN-228 Foundations of American Literature	3	EN-2xx+ English Elective (Course type ENCWU)	3
EN-251 Creative Writing: Introduction	3	EN-3xx+ English Elective	3
EN-305 Shakespeare I or 306	3	Free Electives	9
Free Elective	3		
Semester Credits	**15**	**Semester Credits**	**18**

Fourth Year

Fall	Credits	Spring	Credits
ED-315 Digital Media and Instructional Technology Skills for Teachers	3	ED-416 Clinical Practice	8
ED-367 Methods of Teaching English at the Secondary Level	3	ED-416S Clinical Practice Seminar	1
EN-352 Craft of Writing	3	Gen*Ed Interdisciplincary Perspectives (ISP)	3
EN-451 Advanced Creative Writing	3		
EN-474 Approaches to Composition Theory	3		
Semester Credits	**15**	**Semester Credits**	**12**

Total Credits 120

B.A. in English/Creative Writing and Education with Endorsements in P-3 and Teacher of Students with Disabilities (EN.CW.YI.BA)

Code	Title	Credits
Major Requirements/English (36 credits)		
EN-226	Literary Studies for English Majors	3
EN-227	Foundations of British Literature	3
EN-228	Foundations of American Literature	3
EN-229	Non-European Literature in English	3
(EN-227, EN-228, EN-229 satisfy Literature (LIT) in General Education)		
(EN-229 satifies Global Understanding (GU) in General Education)		
EN-305	Shakespeare I	3
or EN-306	Shakespeare II	
Select one of the following:		3
EN-441	Criticism and Theory	
EN-442	Language and Linguistics	
(EN-442 satisfies Technological Literacy (TL) in General Education if selected)		
EN-443	History of the English Language	
EN-470	Theory and Practice of Writing (Elementary & Special Education Majors) [1]	
EN-474	Approaches to Composition Theory (Secondary Education Majors) [1]	
EN-251	Creative Writing: Introduction	3
Select one of the following:		3
EN-252	Creative Writing: Fiction	
EN-253	Creative Writing: Poetry	
EN-254	Creative Writing: Drama	
EN-255	Creative Writing: Non-Fiction	
Select one additional Literature Elective at the 300+ level (excluding EN-342, EN-384, EN-388, EN-488 and EN-489)		3
EN-352	Craft of Writing	3
EN-451	Advanced Creative Writing	3
Select one course designated with Course Type: ENCWU (excluding EN-342, EN-388, EN-488, and EN-384)		3
Major Requirements/Education (45 credits) [2]		
ED-250	Psychological and Philosophical Foundations of Education	3
ED-361	Methods of Teaching Science for Elementary School	3
EDL-280	Introduction to Early Childhood Education	3
EDL-326	Literacy Instruction in P-6 Educational Settings I	3
ED-320	Teaching Emergent Multilinguals in an Inclusive Classroom	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
EDL-333	Family Partnerships in Early Childhood Settings	3
EDS-330	Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
EDS-336	Classroom Management	3
EDS-338	Assessment Approaches, P-12	3
EDS-342	Instructional Methods and Materials for Students with Disabilities	3
EDS-350	Individualizing Curricula and Systematic Instruction for Special Education	3
EDL-364	Early Childhood Capstone Research Seminar	3
Select 9 credits as follows: [3]		
ED-416 & 416S	Clinical Practice and Clinical Practice Seminar	9
English Interdisciplinary Requirements (6 credits)		
Select 6 credits from the same World Language, any level [4]		6
(Satisfies World Language requirement in General Education)		
Education Interdisciplinary Requirements (6 credits)		
MA-203	Foundations of Elementary Mathematics I	3
MA-204	Foundations of Elementary Mathematics II	3
(Satisfies Mathematics in General Education)		
Free Electives (0 credits) [4]		
The number of free electives, if any, will be determined in consultation with your advisor. [4]		
General Education Requirements (30 credits) [5]		
Complete 30 credits as outlined on the General Education table. [5]		30
Total Credits		**123**

1. *EN/ED majors MUST take EN-470 Theory and Practice of Writing (3 cr.) or EN-474 Approaches to Composition Theory (3 cr.) to fulfill the above credits.*
2. *Minimum grade of "C" required for Education Courses.*
3. *Students must complete the appropriate test requirement(s) with a passing score PRIOR to Clinical Practice.*
4. *Please consult with your advisor regarding the required number of free electives that must be completed.*
5. *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(p. 44) courses must be completed.*

Notes

- 54 credits must be completed at the 200 level or higher.
- Education majors are required to have an overall GPA of 3.00 for State Certification.
- By state regulation, all Education Majors seeking content area endorsement must complete 30 content credits (12+ credits at the 300+ level).
- The English Department awards Departmental Honors to those graduating seniors who successfully complete a senior thesis, two designated courses beyond the standard major requirements, a 3.50 major GPA, a 3.30 overall GPA, and fulfillment of the World Language requirement for English majors.

Sequence Chart

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
Gen*Ed Historical Perspectives (HS.SV)	3	ED-250 Psychological and Philosophical Foundations of Education	3
Gen*Ed Social Science Survey (SS.SV)	3	Gen*Ed Historical Perspectives (HS.SV) or Social Science (SS.SV)	3
Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
FO-xxx Gen*Ed World Language	3	FO-xxx World Language	3
Semester Credits	**15**	**Semester Credits**	**15**

Second Year

Fall	Credits	Spring	Credits
ED-320 Teaching Emergent Multilinguals in an Inclusive Classroom (Gen*Ed Reasoned Oral Discourse (RD) and Writing Intensive (WT)	3	EDS-330 Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
EDL-280 Introduction to Early Childhood Education	3	EDS-338 Assessment Approaches, P-12	3
EDL-326 Literacy Instruction in P-6 Educational Settings I	3	MA-204 Foundations of Elementary Mathematics II	3
EN-226 Literary Studies for English Majors (Gen*Ed Writing Intensive (WT))	3	EN-227 Foundations of British Literature	3
EN-229 Non-European Literature in English (Gen*Ed Literature (LIT) and Global Understanding (GU)	3	EN-251 Creative Writing: Introduction	3
MA-203 Foundations of Elementary Mathematics I (Gen*Ed Mathematics)	3		
Semester Credits	**18**	**Semester Credits**	**15**

Third Year

Fall	Credits	Spring	Credits
EDS-336 Classroom Management	3	ED-361 Methods of Teaching Science for Elementary School	3
EDS-350 Individualizing Curricula and Systematic Instruction for Special Education	3	EDL-333 Family Partnerships in Early Childhood Settings	3
EN-305 Shakespeare I or 306	3	EN-470 Theory and Practice of Writing	3
EN-228 Foundations of American Literature	3	EN-2xx+ English Elective (Course Type ENCWU)	3
EN-252, EN-253, EN-254, or EN-255	3	Gen*Ed Aesthetics (AT) AR, DA, MU, TH	3
Gen*Ed Technological Literacy (TL)	3		
Semester Credits	**18**	**Semester Credits**	**15**

Fourth Year

Fall	Credits	Spring	Credits
EDL-364 Early Childhood Capstone Research Seminar	3	ED-416 Clinical Practice	8
EN-451 Advanced Creative Writing	3	ED-416S Clinical Practice Seminar	1
EDS-342 Instructional Methods and Materials for Students with Disabilities	3	Gen*Ed Interdisciplinary Perspectives (ISP)	3
EN-352 Craft of Writing	3		
EN-3xx+ English Elective	3		
Semester Credits	**15**	**Semester Credits**	**12**

Total Credits 123

B.A. in History and Education with Endorsements in Elementary and Teacher of Students with Disabilities (HS.EDEY.BA)

Code	Title	Credits
Major Requirements/History (30 credits) [1]		
HS-101	Western Civilization in World Perspective I	3
HS-102	Western Civilization in World Perspective II	3
HS-201	United States History I	3
HS-202	United States History II	3
Select 3 credits from Pre-1700 History designated with Course Type: HSPRE		3
Select 3 credits from History of Europe designated with Course Type: HSEU		3
Select 3 credits from History designated with one of the following Course Types: HSLA (Latin America), HSNW (Non-Western), HSAF (Africa), or HSAS (Asia)		3
Select 6 additional credits from History (HS) at the 200+ level [2]		6
HS-461	Research Seminar in History	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
Major Requirements/Education (42 credits) [3]		
ED-250	Psychological and Philosophical Foundations of Education	3
EDS-330	Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
EDS-336	Classroom Management	3
EDL-326	Literacy Instruction in P-6 Educational Settings I	3
EDL-327	Methods of Teaching Content Area Literacy in the Inclusive Elementary Setting: Language Arts & Social Studies	3
ED-320	Teaching Emergent Multilinguals in an Inclusive Classroom	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
ED-360	Methods of Teaching Elementary Mathematics	3
ED-361	Methods of Teaching Science for Elementary School	3
EDS-338	Assessment Approaches, P-12	3
EDS-342	Instructional Methods and Materials for Students with Disabilities	3
EDS-350	Individualizing Curricula and Systematic Instruction for Special Education	3
Select 9 credits as follows: [4]		
ED-416 & 416S	Clinical Practice and Clinical Practice Seminar	9
History Interdisciplinary Requirements (9 credits)		
GO-100	People, Places, and Environments: Introduction to Geography	3

Satisfies Technological Literacy (TL) and Cultural Diversity (CD) in general education		
AN-103	Cultural Anthropology	3
Select 3 credits from the following:		3
AR-241	History of Western Art I *	
AR-242	History of Western Art II *	
AR-341	Art Theory and Writing	
AR-342	History of New and Expanded Media in Art	
AR-343	Renaissance, Mannerist, and Baroque Art	
AR-345	Early to Late Modern Art	
AR-346	History of Graphic Design	
AR-347	History of Photography	
AR-348	Art of India *	
AR-349	Asian Art Survey	
AR-350	World Art Nineteenth-Twentieth Century	
AR-368	Gender, Art, and Society	
AR-366	Contemporary Art and Worldbuilding	
AR-367	African American Art	
MU-218	History and Literature of Music I	
MU-219	History and Literature of Music II	
TH-301	Theatre History I	
TH-349	Postcolonial Drama and Film	
**Courses satisfy Aesthetics (AT) in general education*		
Education Interdisciplinary Requirements (12 credits)		
PS-102	International Relations	3
or PS-103	American National Government	
(Satisfies Social Science (SS.SV) in General Education)		
BE-200	Economics for Social Science	3
or HS-310	Business and Economic Development of the United States	
MA-205	Number Systems	3
MA-206	Algebraic Thinking, Probability and Statistics	3
(MA-205 and MA-206 satisfy Mathematics in General Education)		
Free Electives (3 credits) [5]		
Select up to 3 credits of free electives [5]		3
General Education Requirements (24 credits) [6]		
Complete 33 credits as outlined on the General Education table. [6]		24
Total Credits		**120**

[1] At least HS 6 credits at the 300-400 level, excluding HS 461.

[2] *Excluding HS-201 United States History I (3 cr.) and HS-202 United States History II (3 cr.)*

[3] *Minimum grade of "C" required for Education Courses. Students must complete the appropriate test requirement(s) with a passing score PRIOR to Clinical Practice.*

[4] *May be fulfilled within the major/interdisciplinary requirements; see your academic adviser.*

[5] *Please consult with your advisor regarding the required number of free electives.*

[6] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(p. 44) courses must be completed.*

Additional Endorsements Available

- P-3 Early Childhood Endorsement
- ESL - English as a Second Language - Elementary
- MID-SS - Middle School Social Sciences

Notes

- 54 credits must be completed at the 200 level or higher.
- Education majors are required to have an overall GPA of 3.00 for State Certification.
- By state regulation, all Education Majors seeking content area endorsement must complete 30 content credits (12+ credits at the 300+ level).
- Students selecting 6 credits of the same foreign language will have 2 free elective credits.

Sequence Chart

First Year

Fall	Credits	Spring	Credits
HS-101 Western Civilization in World Perspective I (Gen*Ed Historical Perspectives (HS.SV)	3	HS-102 Western Civilization in World Perspective II (Gen*Ed Historical Perspectives (HS.SV)	3
EN-101 College Composition I	3	EN-102 College Composition II	3
AN-103 Cultural Anthropology (Gen*Ed Social Science Survey (SS.SV))	3	ED-250 Psychological and Philosophical Foundations of Education	3
FO-xxx Gen*Ed World Language	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3	HS-xxx History Elective	3
Semester Credits	**15**	**Semester Credits**	**15**

Second Year

Fall	Credits	Spring	Credits
HS-201 United States History I	3	HS-202 United States History II	3
ED-320 Teaching Emergent Multilinguals in an Inclusive Classroom (Gen*Ed Reasoned Oral Discourse (RD) and Writing Intensive (WT))	3	EDS-330 Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
MA-205 Number Systems	3	EDL-326 Literacy Instruction in P-6 Educational Settings I	3
HS-203+ History Elective	3	MA-206 Algebraic Thinking, Probability and Statistics	3
EN-2xx Gen*Ed Literature (LIT)	3	HS-xxx History Course Type HSPRE	3
		Free Elective	3
Semester Credits	**15**	**Semester Credits**	**18**

Third Year

Fall	Credits	Spring	Credits
EDS-336 Classroom Management	3	BE-200 Economics for Social Science or HS 310	3
ED-361 Methods of Teaching Science for Elementary School	3	EDS-338 Assessment Approaches, P-12	3
GO-100 People, Places, and Environments: Introduction to Geography (Gen*Ed Technological Literacy (TL) and Cultural Diversity (CD)	3	EDS-350 Individualizing Curricula and Systematic Instruction for Special Education	3
PS-102 International Relations or 103	3	HS-xxx History Course Type HSNW	3

HS-xxx History Course Type HSEU	3	History Interdisciplinary requirement, AR Selections see curriculum chart for options, **Satisfies Gen**Ed Aesthetics (AT)	3
Semester Credits	**15**	**Semester Credits**	**15**

Fourth Year

Fall	**Credits**	**Spring**	**Credits**
EDL-327 Methods of Teaching Content Area Literacy in the Inclusive Elementary Setting: Language Arts & Social Studies	3	HS-461 Research Seminar in History	3
ED-360 Methods of Teaching Elementary Mathematics	3	ED-416 Clinical Practice	8
EDS-342 Instructional Methods and Materials for Students with Disabilities	3	ED-416S Clinical Practice Seminar	1
HS-203+ History Elective	3		
PR-4xx Gen*Ed Interdisciplinary Perspectives (ISP)	3		
Semester Credits	**15**	**Semester Credits**	**12**

Total Credits 120

B.A. in History and Education with Endorsement in Secondary Education in Social Studies (HS.EDS.BA)

Code	**Title**	**Credits**
Major Requirements/History (33 credits)		
HS-101	Western Civilization in World Perspective I	3
HS-102	Western Civilization in World Perspective II	3
HS-201	United States History I	3
HS-202	United States History II	3
Select 3 credits from History designated with Course Type: HSPRE		3
Select 3 credits from History designated with Course Type: HSEU		3
Select 3 credits from History designated with one of the following Course Types: HSLA (Latin America), HSNW (Non-Western), HSAF (Africa), or HSAS (Asia)		3
Select 3 credits from History (HS) Course Type HSUS		3
Select 6 additional credits from History (HS) at the 200+ level excluding HS-201 and HS-202 [1]		6
HS-461	Research Seminar in History	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
Major Requirements/Education (24 credits) [2]		
ED-250	Psychological and Philosophical Foundations of Education	3
EDS-330	Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
EDS-336	Classroom Management	3
ED-319	Content Literacy and Assessment	3
ED-320	Teaching Emergent Multilinguals in an Inclusive Classroom	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
Select 9 credits as follows: [3]		
ED-416 & 416S	Clinical Practice and Clinical Practice Seminar	9
Education Methods Requirements (6 credits) [3]		
ED-315	Digital Media and Instructional Technology Skills for Teachers	3
ED-371	Methods of Teaching Social Studies at the Secondary Level	3
History Interdisciplinary Requirements (9 credits)		
GO-100	People, Places, and Environments: Introduction to Geography	3
(Satisfies Technological Literacy (TL) in General Education)		
AN-103	Cultural Anthropology	3
Select 3 credits from the following:		3
AR-241	History of Western Art I *	
AR-242	History of Western Art II *	
AR-341	Art Theory and Writing	
AR-342	History of New and Expanded Media in Art	
AR-343	Renaissance, Mannerist, and Baroque Art	
AR-345	Early to Late Modern Art	
AR-346	History of Graphic Design	
AR-347	History of Photography	
AR-348	Art of India *	
AR-349	Asian Art Survey	
AR-350	World Art Nineteenth-Twentieth Century	
AR-368	Gender, Art, and Society	
AR-366	Contemporary Art and Worldbuilding	
AR-367	African American Art	
MU-218	History and Literature of Music I	
MU-219	History and Literature of Music II	
TH-301	Theatre History I	
TH-349	Postcolonial Drama and Film	
**(Satisfies Aesthetics (AT) in general education)*		
Education Interdisciplinary Requirements (9 credits)		
(Satisfies Social Science (SS.SV) in General Education)		
PS-102	International Relations	3
or PS-103	American National Government	
BE-200	Economics for Social Science	3
or HS-310	Business and Economic Development of the United States	
MA-105	Mathematical Modeling in the Social Sciences	3
(Satisfies Mathematics in General Education)		
Free Electives (15 credits) [4]		
Complete up to 15 credits of free electives. [4]		15
General Education Requirements (24 credits) [5]		
Complete 24 credits as outlined on the General Education table. [5]		24
Total Credits		**120**

[1] *Excluding HS-201 United States History I (3 cr.) and HS-202 United States History II (3 cr.). Among these requirements, at least 6 credits must be from the 300-400 level not including HS-461 Research Seminar in History (3 cr.).*

[2] *Minimum grade of "C" required for Education Courses.*

[3] *Students must complete the appropriate test requirement(s) with a passing score PRIOR to Clinical Practice.*

[4] *Please consult with your advisor regarding the required number of free electives that must be completed.*

[5] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(p. 44) courses must be completed.*

Additional Endorsements Available

- TSD - Teacher of Students with Disabilities - Secondary
- ESL - English as a Second Language - Secondary

Notes

- 54 credits must be completed at the 200 level or higher.
- Education majors are required to have an overall GPA of 3.00 for State Certification.
- By state regulation, all Education Majors seeking content area endorsement must complete 30 content credits (12+ credits at the 300+ level).

Sequence Chart

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
MA-105 Mathematical Modeling in the Social Sciences	3	HS-102 Western Civilization in World Perspective II (Gen*Ed Historical Perspectives (HS.SV))	3
HS-101 Western Civilization in World Perspective I (Gen*Ed Historical Perspectives (HS.SV))	3	ED-250 Psychological and Philosophical Foundations of Education	3
AN-103 Cultural Anthropology (Gen*Ed Social Science Survey (SS.SV))	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
FO-xxx Gen*Ed World Language	3	HS-203+ History Elective	3
Semester Credits	**15**	**Semester Credits**	**15**

Second Year

Fall	Credits	Spring	Credits
HS-201 United States History I	3	HS-202 United States History II	3
HS-xxx History Course Type HSPRE	3	HS-xxx History Course Type HSEU	3
EN-2xx Gen*Ed Literature (LIT)	3	EDS-330 Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
ED-320 Teaching Emergent Multilinguals in an Inclusive Classroom (Gen*Ed Reasoned Oral Discourse (CD) and Writing Intensive (WT))	3	PS-102 International Relations or 103	3
Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3	Free Electives	6
Semester Credits	**15**	**Semester Credits**	**18**

Third Year

Fall	Credits	Spring	Credits
EDS-336 Classroom Management	3	HS-310 Business and Economic Development of the United States or BE 200	3
GO-100 People, Places, and Environments: Introduction to Geography (Gen*Ed Cultural Diversity (CD) and Technological Literacy (TL))	3	HS-xxx History Course Type HSNW	3
HS-xxx History Course Type HSUS	3	ED-319 Content Literacy and Assessment	3
Free Electives	6	AR* selections satisfies Gen*Ed Aesthetics (AT)	3
		Free Elective	3
Semester Credits	**15**	**Semester Credits**	**15**

Fourth Year

Fall	Credits	Spring	Credits
ED-315 Digital Media and Instructional Technology Skills for Teachers	3	HS-461 Research Seminar in History	3
ED-371 Methods of Teaching Social Studies at the Secondary Level	3	ED-416 Clinical Practice	8
HS-203+ History Elective	3	ED-416S Clinical Practice Seminar	1
PR-4xx Gen*Ed Interdisciplinary Perspectives (ISP)	3		
Free Elective	3		
Semester Credits	**15**	**Semester Credits**	**12**

Total Credits 120

B.A. in History and Education with Endorsements in P-3 and Teacher of Students with Disabilities (HS.YI.BA)

Code	Title	Credits
Major Requirements/History (30 credits)		
HS-101	Western Civilization in World Perspective I	3
HS-102	Western Civilization in World Perspective II	3
(HS-101 and HS-102 satisfy Historical Perspectives (HS.SV) in General Education)		
HS-201	United States History I	3
HS-202	United States History II	3
Select 3 credits from History designated with Course Type: HSPRE		3
Select 3 credits from History designated with Course Type: HSEU		3
Select 3 credits from History designated with one of the following Course Types: HSLA (Latin America), HSNW (Non-Western), HSAF (Africa), or HSAS (Asia)		3
Select 6 additional credits in History (HS) at the 200+ level [1]		6
HS-461	Research Seminar in History	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
Major Requirements/Early Childhood (45 credits) [2]		
ED-361	Methods of Teaching Science for Elementary School	3
ED-250	Psychological and Philosophical Foundations of Education	3
EDL-280	Introduction to Early Childhood Education	3
EDL-326	Literacy Instruction in P-6 Educational Settings I	3
ED-320	Teaching Emergent Multilinguals in an Inclusive Classroom	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		

EDL-333	Family Partnerships in Early Childhood Settings	3
EDS-330	Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
EDS-336	Classroom Management	3
EDS-338	Assessment Approaches, P-12	3
EDS-342	Instructional Methods and Materials for Students with Disabilities	3
EDS-350	Individualizing Curricula and Systematic Instruction for Special Education	3
EDL-364	Early Childhood Capstone Research Seminar	3
Select 9 credits as follows: [2, 3]		
ED-416 & 416S	Clinical Practice and Clinical Practice Seminar	9
History Interdisciplinary Requirements (3 credits)		
GO-100	People, Places, and Environments: Introduction to Geography	3
Satisfies Technological Literacy (TL) and Cultural Diversity (CD) in General Education		
Education Interdisciplinary Requirements (12 credits)		
PS-102	International Relations	3
or PS-103	American National Government	
(Satisfies Social Science (SS.SV) in General Education)		
BE-200	Economics for Social Science	3
or HS-310	Business and Economic Development of the United States	
MA-203	Foundations of Elementary Mathematics I	3
MA-204	Foundations of Elementary Mathematics II	3
(MA-203 and MA-204 both satisfy Mathematics in General Education)		
Free Electives (6 credits) [4]		
Complete up to 6 free elective credits. [4]		6
General Education Requirements (24 credits) [5]		
Complete 24 credits as outlined on the General Education table. [5]		24
Total Credits		**120**

[1] *Excluding HS-201 United States History I (3 cr.) and HS-202 United States History II (3 cr.). Among these requirements, at least 6 credits must be from the 300-400 level excluding HS-461 Research Seminar in History.*

[2] *Minimum grade of "C" required for Education Courses.*

[3] *Students must complete the appropriate test requirement(s) with a passing score PRIOR to Clinical Practice.*

[4] *Please consult with your advisor regarding the required number of free electives that must be completed.*

[5] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(p. 44) courses must be completed.*

Notes

- 54 credits must be completed at the 200 level or higher.
- Education majors are required to have an overall GPA of 3.00 for State Certification.
- By state regulation, all Education Majors seeking content area endorsement must complete 30 content credits (12+ credits at the 300+ level).

Sequence Chart

First Year

Fall	Credits	Spring	Credits
HS-101 Western Civilization in World Perspective I (Gen*Ed Historical Perspectives (HS.SV)	3	HS-102 Western Civilization in World Perspective II	3
EN-101 College Composition I	3	EN-102 College Composition II	3
Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
Gen*Ed Aesthetics (AT) AR,DA,MU,TH	3	HS-203+ History Elective	3
FO-xxx Gen*Ed World Language	3	ED-250 Psychological and Philosophical Foundations of Education	3
Semester Credits	**15**	**Semester Credits**	**15**

Second Year

Fall	Credits	Spring	Credits
HS-201 United States History I	3	HS-202 United States History II	3
ED-320 Teaching Emergent Multilinguals in an Inclusive Classroom (Gen*Ed Reasoned Oral Discourse (RD) and Writing Intensive (WT)	3	HS-xxx History Course Type HSPRE	3
EDL-280 Introduction to Early Childhood Education	3	EN-2xx Gen*Ed Literature (LIT)	3
EDL-326 Literacy Instruction in P-6 Educational Settings I	3	EDS-330 Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
MA-203 Foundations of Elementary Mathematics I (Gen*Ed Mathematics)	3	EDS-338 Assessment Approaches, P-12	3
		MA-204 Foundations of Elementary Mathematics II	3
Semester Credits	**15**	**Semester Credits**	**18**

Third Year

Fall	Credits	Spring	Credits
HS-xxx History Course Type HSEU	3	HS-xxx History Course Type HSNW	3
GO-100 People, Places, and Environments: Introduction to Geography (Gen*Ed Technological Literacy (TL) and Cultural Diversity (CD)	3	BE-200 Economics for Social Science or HS 310	3
PS-102 International Relations or 103 (Gen*Ed Social Science Survey (SS.SV))	3	ED-361 Methods of Teaching Science for Elementary School	3
EDS-336 Classroom Management	3	EDL-333 Family Partnerships in Early Childhood Settings	3
EDS-350 Individualizing Curricula and Systematic Instruction for Special Education	3	Free Elective	3
Semester Credits	**15**	**Semester Credits**	**15**

Fourth Year

Fall	Credits	Spring	Credits
PR-4xx Interdisciplinary Perspectives (ISP)	3	ED-416 Clinical Practice	8
HS-203+ History Elective	3	ED-416S Clinical Practice Seminar	1
EDL-364 Early Childhood Capstone Research Seminar	3	HS-461 Research Seminar in History	3
Free Elective	3		

EDS-342 Instructional Methods and Materials for Students with Disabilities	3		
Semester Credits	**15**	**Semester Credits**	**12**

Total Credits 120

B.A. in History/Political Science Interdisciplinary and Education with Endorsements in Elementary and Teacher of Students with Disabilities (HP.EDEY.BA)

Code	Title	Credits
Major Requirements/History and Political Science (36 credits)		
PS-102	International Relations	3
or PS-103	American National Government	
Satisfies Social Science (SS.SV) in General Education)		
Select 12 credits from FOUR of the following Course Types: PSAM (American Politics), PSAL (American Legal System), PSPA (Public Policy), PSIP (International Relations), PSCG (Comparative Politics)		12
Select 3 additional credits from Political Science (PS)		3
Pre-Modern History: select 3 credits from Course Type HSPRE		3
Non-Western History: select 3 credits from Course Type: HSNW, HSAF, HSAS, or HSLA		3
European History: select 3 credits from Course Type: HSEU		3
US History: select 3 credits from Course Type HSUS		3
Select 3 additional credits of History (HS)		3
PS-401	Seminar in Political Science	3
or HS-461	Research Seminar in History	
(HS-461 satisfies Reasoned Oral Discourse (RD) requirement in general education)		
Major Requirements/Education (42 credits) [1]		
ED-250	Psychological and Philosophical Foundations of Education	3
EDS-330	Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
EDS-336	Classroom Management	3
EDL-326	Literacy Instruction in P-6 Educational Settings I	3
ED-320	Teaching Emergent Multilinguals in an Inclusive Classroom	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
EDL-327	Methods of Teaching Content Area Literacy in the Inclusive Elementary Setting: Language Arts & Social Studies	3
ED-360	Methods of Teaching Elementary Mathematics	3
ED-361	Methods of Teaching Science for Elementary School	3
EDS-338	Assessment Approaches, P-12	3
EDS-342	Instructional Methods and Materials for Students with Disabilities	3
EDS-350	Individualizing Curricula and Systematic Instruction for Special Education	3
Select 9 credits of Student Teaching as follows: [2]		
ED-416 & 416S	Clinical Practice and Clinical Practice Seminar	9
HS/PS Interdisciplinary Requirements (6 credits)		
GO-100	People, Places, and Environments: Introduction to Geography	3
Satisfies Technological Literacy (TL) and Cultural Diversity (CD) requirements in General Education)		
Select 3 credits from Anthropology (AN) or Sociology (SO) with Course Type SS.SV		3
(Satisfies Social Science (SS.SV) requirement in General Education)		
Education Interdisciplinary Requirements (6 credits)		
MA-205	Number Systems	3
MA-206	Algebraic Thinking, Probability and Statistics	3
(MA-205 and MA-206 satisfy Mathematics in General Education)		
Free Electives (3 credits) [3]		
Select up to 3 free elective credits. [3]		3
General Education Requirements (27 credits) [4]		
Complete 27 credits as outlined on the General Education table. [4]		27
Total Credits		**120**

1 *Minimum grade of "C" required for Education Courses*

2 *Students must complete the appropriate test requirement(s) with a passing score PRIOR to Clinical Practice*

3 *Please consult with your advisor regarding the required number of free electives that must be completed.*

4 *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(p. 44) courses must be completed.*

Additional Endorsements Available

- P-3 Early Childhood Endorsement
- ESL - English as a Second Language - Elementary
- MID-SS - Middle School Social Studies

Notes

- 54 credits must be completed at the 200 level or higher.

Sequence Chart

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
HS-1xx History Elective (Gen*Ed Historical Perspectives HS.SV)	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3

Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3	GO-100 People, Places, and Environments: Introduction to Geography (Gen*Ed Cultural Diversity (CD) and Technological Literacy (TL))	3
FO-xxx Gen*Ed World Language	3	PS-102 International Relations or 103	3
Gen*ED Aesthetics (AT) AR,DA,MU,TH	3	ED-250 Psychological and Philosophical Foundations of Education	3
Semester Credits	**15**	**Semester Credits**	**15**
Second Year			
Fall	**Credits**	**Spring**	**Credits**
EN-2xx Gen*Ed Literature (LIT)	3	EDS-330 Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
HS-xxx History Course Type HSPRE	3	MA-206 Algebraic Thinking, Probability and Statistics	3
ED-320 Teaching Emergent Multilinguals in an Inclusive Classroom (Gen*Ed Reasoned Oral Discourse and Writing Intensive (WT))	3	EDL-326 Literacy Instruction in P-6 Educational Settings I	3
MA-205 Number Systems	3	HS-xxx History Course Type HSEU	3
AN-xxx or SO-xxx - Gen*Ed Social Science Survey (SS.SV)	3	PS-xxx Political Science Course Type PSAM	3
		Free Elective	3
Semester Credits	**15**	**Semester Credits**	**18**
Third Year			
Fall	**Credits**	**Spring**	**Credits**
ED-361 Methods of Teaching Science for Elementary School	3	PS-xxx Political Science Course Type PSIP or PSCG	3
EDS-336 Classroom Management	3	HS-xxx History Course Type HSNW	3
PS-xxx Political Science Course Type PSAL	3	EDS-338 Assessment Approaches, P-12	3
PS-xxx Political Science Course Type PSPA	3	EDS-350 Individualizing Curricula and Systematic Instruction for Special Education	3
HS-xxx History Course Type HSUS	3	PS-xxx Political Science Elective	3
Semester Credits	**15**	**Semester Credits**	**15**
Fourth Year			
Fall	**Credits**	**Spring**	**Credits**
EDL-327 Methods of Teaching Content Area Literacy in the Inclusive Elementary Setting: Language Arts & Social Studies	3	PS-401 Seminar in Political Science or HS 461	3
ED-360 Methods of Teaching Elementary Mathematics	3	ED-416 Clinical Practice	8
EDS-342 Instructional Methods and Materials for Students with Disabilities	3	ED-416S Clinical Practice Seminar	1
HS-203+ History Elective	3		
PR-4xx Interdisciplinary Perspectives (ISP)	3		
Semester Credits	**15**	**Semester Credits**	**12**
Total Credits 120			

- Education majors are required to have an overall GPA of 3.00 for State Certification.
- By state regulation, all Education Majors seeking content area endorsement must complete 30 content credits (12+ credits at the 300+ level).

B.A. in History/Political Science Interdisciplinary & Education with Endorsement in Secondary Education in Social Studies (HP.EDS.BA)

Code	Title	Credits
Major Requirements/History and Political Science (36 credits)		
PS-102	International Relations	3
or PS-103	American National Government	
(Satisfies Social Science (SS.SV) in General Education)		
Select 12 credits from FOUR of the following Course Types: PSAM (American Politics), PSAL (American Legal System), PSPA (Public Policy), PSIP (International Relations), PSCG (Comparative Politics)		12
Select 3 additional credits from Political Science (PS)		3
Pre-Modern History: Select 3 credits from Course Type: HSPRE		3
Non-Western History: Select 3 credits from Course Type: HSNW, HSAS, HSLA, or HSAF		3
European History: Select 3 credits from Course Type: HSEU		3
US History: Select 3 credits from Course Type: HSUS		3
Select 3 additional credits in History (HS)		3
PS-401	Seminar in Political Science	3
or HS-461	Research Seminar in History	
(HS-461 satisfies Reasoned Discourse (RD) in General Education)		
Major Requirements/Education (24 credits) [1]		
ED-250	Psychological and Philosophical Foundations of Education	3
EDS-330	Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
EDS-336	Classroom Management	3
ED-319	Content Literacy and Assessment	3
ED-320	Teaching Emergent Multilinguals in an Inclusive Classroom	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
Select 9 credits as follows: [2]		
ED-416 & 416S	Clinical Practice and Clinical Practice Seminar	9
Education Methods Requirements (6 credits) [2]		
ED-315	Digital Media and Instructional Technology Skills for Teachers	3
ED-371	Methods of Teaching Social Studies at the Secondary Level	3
HS/PS Interdisciplinary Requirements (6 credits)		
GO-100	People, Places, and Environments: Introduction to Geography	3
Satisfies Technological Literacy (TL) and Cultural Diversity (CD) in general education		

Select 3 credits from Anthropology (AN) or Sociology (SO) with Course Type SS.SV		3
Satisfies Social Science (SS.SV) requirement in general education		
Education Outside Interdisciplinary Requirements (3 credits)		
MA-105	Mathematical Modeling in the Social Sciences	3
(Satisfies Mathematics in General Education)		
Free Electives (18 credits) [3]		
Complete 18 credits of free electives. [3]		18
General Education Requirements (27 credits) [4]		
Complete 27 credits as outlined on the General Education table. [4]		27
Total Credits		**120**

[1] *Minimum grade of "C" required for Education Courses*
[2] *Students must complete the appropriate test requirement(s) with a passing score PRIOR to Clinical Practice.*
[3] *Please consult with your advisor regarding the required number of free electives that must be completed.*
[4] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(p. 44) courses must be completed.*

Additional Endorsements Available

- ESL - English as a Second Language - Secondary
- TSD - Teacher of Students with Disabilities - Secondary

Notes

- 54 credits must be completed at the 200 level or higher.
- Education majors are required to have an overall GPA of 3.00 for State Certification.
- By state regulation, all Education Majors seeking content area endorsement must complete 30 content credits (12+ credits at the 300+ level).

Sequence Chart

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
MA-105 Mathematical Modeling in the Social Sciences (Gen*Ed Mathematics)	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
HS-1xx History Elective (Gen*Ed Historical Perspective (HS.SV)	3	PS-102 International Relations or 103	3
Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3	GO-100 People, Places, and Environments: Introduction to Geography (Gen*Ed Cultural Diversity (CD) and Technological Literacy (TL))	3
FO-xxx Gen*Ed World Language	3	ED-250 Psychological and Philosophical Foundations of Education	3
Semester Credits	**15**	**Semester Credits**	**15**

Second Year

Fall	Credits	Spring	Credits
EN-2xx Gen*Ed Literature (LIT)	3	EDS-330 Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
HS-xxx History Course Type HSPRE	3	HS-xxx History Course Type HSEU	3
ED-320 Teaching Emergent Multilinguals in an Inclusive Classroom (Gen*Ed Reasoned Oral Discourse (RD) and Writing Intensive (WT))	3	PS-xxx Political Science Course Type PSAM	3
PS-xxx Political Science Elective	3	AN-xxx or SO-xxx Gen*Ed Social Science Survey (SS.SV)	3
Free Elective	3	Gen*Ed Aesthetics (AT) AR,DA,MU,TH	3
		Free Elective	3
Semester Credits	**15**	**Semester Credits**	**18**

Third Year

Fall	Credits	Spring	Credits
EDS-336 Classroom Management	3	ED-319 Content Literacy and Assessment	3
PS-xxx Political Science Course Type PSAL	3	PS-xxx Political Science Course Type PSIP or PSCG	3
PS-xxx Political Science Course Type PSPA	3	HS-xxx History Course Type HSNW	3
HS-xxx History Course Type HSUS	3	Free Electives	6
Free Elective	3		
Semester Credits	**15**	**Semester Credits**	**15**

Fourth Year

Fall	Credits	Spring	Credits
ED-315 Digital Media and Instructional Technology Skills for Teachers	3	PS-401 Seminar in Political Science or HS 461	3
ED-371 Methods of Teaching Social Studies at the Secondary Level	3	ED-416 Clinical Practice	8
PR-4xx Gen*Ed Interdisciplinary Perspectives (ISP)	3	ED-416S Clinical Practice Seminar	1
Gen*Ed Cultural Diversity (CD) or Global Understanding (GU)	3		
Free Elective	3		
Semester Credits	**15**	**Semester Credits**	**12**

Total Credits 120

B.A. in Interdisciplinary Studies for Educators with Endorsements in Elementary and Teacher of Students with Disabilities (IS.EDEY.BA)

Code	Title	Credits
Major Requirements/Interdisciplinary (42 credits)		
Select one course from the following list:		3
(Any of the following English courses satisfy Literature (LIT) in General Education)		
EN-227	Foundations of British Literature	
EN-228	Foundations of American Literature	
EN-229	Non-European Literature in English	
EN-342	Children's and Young Adult Literature	3

EN-470	Theory and Practice of Writing	3
MA-205	Number Systems	3
(Satisfies Mathematics in General Education)		
MA-206	Algebraic Thinking, Probability and Statistics	3
MA-207	Elementary Geometry	3
MA-305	Mathematical Problem Solving	3
BY-113	Introduction to Structure and Function of Living Systems	3
BY-114	Unity and Diversity of Life	3
(BY-113 and BY-114 satisfy Natural Science (NS) in General Education)		
BY-308	Unifying Concepts in Biology	3
PH-101	Physics in Our Lives	3
GO-100	People, Places, and Environments: Introduction to Geography	3
(Satisfies Cultural Diversity (CD) and Technological Literacy (TL) in General Education)		
AN-103	Cultural Anthropology	3
IS-410	Integrative Seminar for Elementary Education	3
Major Requirements/Education (42 credits) [1]		
ED-250	Psychological and Philosophical Foundations of Education	3
EDS-330	Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
EDS-336	Classroom Management	3
EDL-326	Literacy Instruction in P-6 Educational Settings I	3
EDL-327	Methods of Teaching Content Area Literacy in the Inclusive Elementary Setting: Language Arts & Social Studies	3
ED-320	Teaching Emergent Multilinguals in an Inclusive Classroom	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
ED-360	Methods of Teaching Elementary Mathematics	3
ED-361	Methods of Teaching Science for Elementary School	3
EDS-338	Assessment Approaches, P-12	3
EDS-342	Instructional Methods and Materials for Students with Disabilities	3
EDS-350	Individualizing Curricula and Systematic Instruction for Special Education	3
ED-416 & 416S	Clinical Practice and Clinical Practice Seminar [2]	9
Other Major Requirements (21-22 credits)		
CE-101	Chemistry in Our Lives	3
Select 3-4 credits from the following courses:		3-4
MA-109	Pre-Calculus Mathematics	
MA-115	Pre-Calculus Modeling for the Biological Sciences	
MA-116	Calculus for the Biological Sciences	
MA-120	Introduction to Mathematical Reasoning	
MA-125	Calculus with Analytic Geometry I	
MA-151	Statistics with Applications	
Select 15 credits from the following list:		15
BE-200	Economics for Social Science	
HS-101	Western Civilization in World Perspective I	
HS-102	Western Civilization in World Perspective II	
HS-101 and HS-102 satisfy Historical Perspectives (HS.SV) in General Education)		
HS-201	United States History I	
HS-202	United States History II	
HS-310	Business and Economic Development of the United States	
PS-103	American National Government	
(Satisfies Social Science (SS.SV) in General Education)		
Free Electives (0 credits) [3]		
Select up to 0 credits of free electives [3]		0
General Education Requirements (15 credits) [4]		
The General Education curriculum requires the completion of 15 credits. [4]		15
Total Credits		**120-121**

1 *Minimum grade of "C" required for all Education courses*

2 *Students must complete the appropriate test requirement(s) with a passing score PRIOR to Clinical Practice*

3 *Please consult with your advisor regarding the required number of free electives that must be completed.*

4 *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education (p. 44) *courses must be completed.*

Additional Endorsements Available

- ESL - English as a Second Language - Elementary
- Early Childhood Endorsement P-3
- MID - Middle School Social Studies, English, Math, and Science

Teacher of Students with Disabilities (TSD) Endorsement included in this program.

Notes

- 54 credits must be completed at the 200 level or higher
- Education majors are required to have an overall GPA of 3.00 for State Certification

Sequence Chart

Freshman

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
AN-103 Cultural Anthropology (Gen*Ed Social Science Survey (SS.SV))	3	CE-101 Chemistry in Our Lives	3

BY-113 Introduction to Structure and Function of Living Systems (Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL)	3	ED-250 Psychological and Philosophical Foundations of Education	3
Gen*Ed Aesthetics (AT) AR,DA,MU,TH	3	MA-109 Pre-Calculus Mathematics (or select MA-115, MA-116, MA-120, MA-125, or MA-151, please check credit count)	4
Electives: One course from '15 credits from List' (See Curr Chart)[1]	3	Electives: One course from '15 credits from List' (See Curr Chart)[1]	3
Semester Credits	**15**	**Semester Credits**	**16**

Sophomore

Fall	Credits	Spring	Credits
Electives: One course from '15 credits from List' (See Curr Chart)[1]	3	MA-206 Algebraic Thinking, Probability and Statistics	3
MA-205 Number Systems (Gen*Ed Mathematics)	3	GO-100 People, Places, and Environments: Introduction to Geography (Gen*Ed Technological Literacy (TL) and Cultural Diversity (CD))	3
FO-xxx Gen*Ed World Language	3	EDS-330 Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood (Gen*Ed Writing Intensive (WT))	3
ED-320 Teaching Emergent Multilinguals in an Inclusive Classroom (Gen*Ed Reasoned Oral Discourse (RD) and Writing Intensive (WT))	3	EDL-326 Literacy Instruction in P-6 Educational Settings I	3
BY-114 Unity and Diversity of Life (Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL)	3	Select EN-227, EN-228, or EN-229 (Satisfies "LIT", Literature in General Education, EN-229 also satisfies "GU", Global Understanding)	3
		Electives: One course from '15 credits from List' (See Curr Chart)[1]	3
Semester Credits	**15**	**Semester Credits**	**18**

Junior

Fall	Credits	Spring	Credits
PH-101 Physics in Our Lives	3	BY-308 Unifying Concepts in Biology	3
ED-361 Methods of Teaching Science for Elementary School	3	EDS-338 Assessment Approaches, P-12	3
EDS-336 Classroom Management	3	EN-342 Children's and Young Adult Literature (Gen*Ed Writing Intensive (WT))	3
MA-207 Elementary Geometry	3	MA-305 Mathematical Problem Solving (Gen*Ed Writing Intensive (WT))	3
Electives: One course from '15 credits from List' (See Curr Chart)[1]	3	EDS-350 Individualizing Curricula and Systematic Instruction for Special Education	3
Semester Credits	**15**	**Semester Credits**	**15**

Senior

Fall	Credits	Spring	Credits
EDL-327 Methods of Teaching Content Area Literacy in the Inclusive Elementary Setting: Language Arts & Social Studies (Gen*Ed Writing Intensive (WT))	3	PR-4xx Gen*Ed Interdisciplinary Perspectives (ISP)	3
EDS-342 Instructional Methods and Materials for Students with Disabilities	3	ED-416 Clinical Practice (Gen*Ed Experiential Education (EX))	8
ED-360 Methods of Teaching Elementary Mathematics	3	ED-416S Clinical Practice Seminar	1
EN-470 Theory and Practice of Writing	3		
IS-410 Integrative Seminar for Elementary Education	3		
Semester Credits	**15**	**Semester Credits**	**12**

Total Credits 121

[1] *Within the 15 Credits of Electives Listed on Curriculum Chart: Recommend: HS101 and 102 to satisfy the Gen*Ed HS.SV and "HS.SV or SS.SV" requirements. PS103 will also satisfy the SS.SV requirement.*

B.A. in Music and Education with Endorsement in K-12 Education in Music (MU.EDS.BA)

Code	Title	Credits
Major Requirements/Music (43 credits)		
MU-151	Group Piano I	3
MU-171	Group Voice I	3
or MU-327	Instrumental Arranging and Basic Orchestration	
MU-217	The American Music Tradition	3
MU-218	History and Literature of Music I	3
MU-219	History and Literature of Music II	3
MU-221	Theory I	3
MU-221L	Ear Training I	1
MU-222	Theory II	3
MU-222L	Ear Training II	1
MU-321	Music Theory III	3
MU-322	Music Theory IV	3
MU-328	Conducting [1]	3
(Music courses satisfies Aesthetics (AT) in General Education)		
Select 5 semesters of Applied Music (Private Instruction) from the following: [2]		5
MU-180 thru MU-199		
Select 6 semesters of the following:		6
MU-142	Monmouth University Pep Band	
MU-147	Chorus I	
MU-148	Chorus II	
MU-154	Blue Hawk House Band	
MU-156	Chamber Orchestra	
MU-157	Chamber Choir I	
MU-158	Chamber Choir II	
MU-REC	Senior Recital - Music Major	0
Major Requirements/Education (24 credits) [3]		
ED-250	Psychological and Philosophical Foundations of Education	3
EDS-330	Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
EDS-336	Classroom Management	3
ED-319	Content Literacy and Assessment	3
ED-320	Teaching Emergent Multilinguals in an Inclusive Classroom	3

(Satisfies Reasoned Oral Discourse (RD) in General Education)		
Select 9 credits as follows: [4]		
ED-416 & 416S	Clinical Practice and Clinical Practice Seminar	9
Education Interdisciplinary Requirements (3 credits)		
MA-100	Quantitative Reasoning and Problem Solving	3
or MA-205	Number Systems	
(Satisfies Mathematics in General Education)		
Education Methods Requirements (14 credits)		
MU-163	Group Strings	1
MU-164	Group Woodwinds	1
MU-165	Group Brass	1
MU-166	Group Percussion	1
MU-329	Conducting II	3
ED-331	Music for the Child	2
ED-333	The Teaching of Music in the Secondary School	2
ED-377	Integrated K-12 Teaching Methods	3
Free Electives (0 credits) [5]		
The number of free electives, if any, will be determined in consultation with your advisor [5]		0
General Education Requirements (36 credits) [6]		
Complete 36 credits as outlined on the General Education table. [6]		36
Total Credits		**120**

1 *MU-329 Conducting II (3 cr.) required for MU/ED majors. See Education Methods Requirements*
2 *Combinations of instruction must be approved by an advisor*
3 *Minimum grade of "C" required for Education Courses*
4 *Students must complete the appropriate test requirement(s) with a passing score PRIOR to Clinical Practice.*
5 *Please consult with your advisor regarding the required number of free electives that must be completed.*
6 *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education (p. 44) *courses must be completed.*

Additional Endorsements Available

- ESL - English as a Second Language - Secondary
- TSD - Teacher of Students with Disabilities - Secondary

Notes

- 54 credits must be completed at the 200 level or higher.
- Education majors are required to have an overall GPA of 3.00 for State Certification.
- By state regulation, all Education Majors seeking content area endorsement must complete 30 content credits (12+ credits at the 300+ level).

Sequence Chart

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
MU-151 Group Piano I (Gen*Ed Aesthtics (AT) AR,DA,MU,TH)	3	MU-222 Theory II	3
MU-221 Theory I	3	MU-222L Ear Training II	1
MU-221L Ear Training I	1	ED-250 Psychological and Philosophical Foundations of Education	3
FO-xxx Gen*Ed World Language	3	Gen*Ed Cultural Diverstiy (CD) or Global Understanding (GU)	3
Gen*Ed Social Science Survey (SS.SV)	3	Gen*Ed Historical Perspectives (HS.SV) or Social Science Survey (SS.SV)	3
CHORUS/CHOIR/CHAMBER ORCHESTRA	1	CHORUS/CHOIR/CHAMBER ORCHESTRA	1
		MU-180-MU-199 Private Instruction	1
Semester Credits	**17**	**Semester Credits**	**18**

Second Year

Fall	Credits	Spring	Credits
EN-2xx Gen*Ed Literature (LIT)	3	MU-322 Music Theory IV	3
ED-320 Teaching Emergent Multilinguals in an Inclusive Classroom (Gen*Ed Reasoned Oral Discourse (RD) and Writing Intensive (WT)	3	MU-164 Group Woodwinds	1
MU-163 Group Strings	1	ED-331 Music for the Child	2
MU-321 Music Theory III	3	EDS-330 Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
Gen*Ed Historical Perspectives (HS.SV)	3	CHORUS/CHOIR/CHAMBER ORCHESTRA	1
CHORUS/CHOIR/CHAMBER ORCHESTRA	1	MU-180-MU-199 Private Instruction	1
MU-180-MU-199 Private Instruction	1	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
Semester Credits	**15**	**Semester Credits**	**14**

Third Year

Fall	Credits	Spring	Credits
ED-333 The Teaching of Music in the Secondary School	2	ED-319 Content Literacy and Assessment	3
EDS-336 Classroom Management	3	MU-166 Group Percussion	1
MU-165 Group Brass	1	MU-219 History and Literature of Music II (Gen*Ed Writing Intensive (WT)	3
MU-218 History and Literature of Music I (Gen*Ed Writing Intensvie (WT)	3	CHORUS/CHOIR/CHAMBER ORCHESTRA	1
MU-328 Conducting	3	MU-180-MU-199 Private Instruction	1
CHORUS/CHOIR/CHAMBER ORCHESTRA	1	Gen*Ed Technological Literacy (TL)	3
MU-180-MU-199 Private Instruction	1	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
Semester Credits	**14**	**Semester Credits**	**15**

Fourth Year

Fall	Credits	Spring	Credits
ED-377 Integrated K-12 Teaching Methods	3	ED-416 Clinical Practice (Gen*Ed Experiential Education (ExEd)	8
MU-171 Group Voice I or 327	3	ED-416S Clinical Practice Seminar	1
MU-217 The American Music Tradition	3	MU-329 Conducting II	3

MA-100 Quantitative Reasoning and Problem Solving or 205 (Gen*Ed Mathematics)	3		
Gen*Ed Interdisciplinary Perspectives (ISP)	3		
Semester Credits	**15**	**Semester Credits**	**12**

Total Credits 120

B.A. in Political Science and Education with Endorsements in Elementary and Teacher of Students with Disabilities (PS.EDEY.BA)

Code	Title	Credits
Major Requirements/Political Science (33 credits)		
(PS101 and PS103 Satisfies 6 credits for Social Science Survey Requirements in General Education)		
PS-102	International Relations	3
PS-103	American National Government	3
PS-250	Fundamentals of Social Science Research	3
(Satisfies Technological Literacy (TL) in General Education)		
Select 3 credits from Course Type: PSAM (American Politics)		3
Select 3 credits from Course Type: PSAL (American Legal System)		3
Select 3 credits from Course Type: PSPA (Public Policy)		3
Select 3 credits from Course Type: PSIP (International Relations)		3
Select 3 credits from Course Type: PSCG (Comparative Politics)		3
PS-221	Early Political Thought	3
or PS-222	Modern Political Thought	
Select one of the following:		3
PS-309	Political Science Internship Seminar	
PS-289	Political Science Internship	
PS-371	International Service Seminar	
PS-383	Model UN Conference	
PS-389	Political Science Internship	
PS-489	Political Science Internship	
PS-401	Seminar in Political Science	3
Major Requirements/Education (42 credits) [1]		
ED-250	Psychological and Philosophical Foundations of Education	3
EDS-330	Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
EDS-336	Classroom Management	3
EDL-326	Literacy Instruction in P-6 Educational Settings I	3
ED-320	Teaching Emergent Multilinguals in an Inclusive Classroom	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
EDL-327	Methods of Teaching Content Area Literacy in the Inclusive Elementary Setting: Language Arts & Social Studies	3
ED-360	Methods of Teaching Elementary Mathematics	3
ED-361	Methods of Teaching Science for Elementary School	3
EDS-338	Assessment Approaches, P-12	3
EDS-342	Instructional Methods and Materials for Students with Disabilities	3
EDS-350	Individualizing Curricula and Systematic Instruction for Special Education	3
Select 9 credits as follows: [2]		
ED-416 & 416S	Clinical Practice and Clinical Practice Seminar	9
Education Interdisciplinary Requirements (6 credits)		
(Satisfies Mathematics in General Education)		
MA-203	Foundations of Elementary Mathematics I	3
MA-204	Foundations of Elementary Mathematics II	3
Free Electives (9 credits) [3]		
Complete up to 9 credits of free electives. [3]		9
General Education Requirements (30 credits) [4]		
Complete 30 credits as outlined on the General Education table. [4]		30
Total Credits		**120**

1 *Minimum grade of "C" required for Education Courses*
2 *Students must complete the appropriate test requirement(s) with a passing score PRIOR to Clinical Practice.*
3 *Please consult with your advisor regarding the required number of free electives that must be completed.*
4 *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education (p. 44) *courses must be completed.*

Additional Endorsements Available

- ESL - English as a Second Language - Elementary
- P-3 Early Childhood Endorsement
- MID-SS - Middle School Social Sciences

Notes

- 54 credits must be completed at the 200 level or higher.
- Education majors are required to have an overall GPA of 3.00 for State Certification.
- By state regulation, all Education Majors seeking content area endorsement must complete 30 content credits (12+ credits at the 300+ level).

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
Gen*Ed Historical Perspectives (HS.SV)	3	PS-103 American National Government (Gen*Ed Social Science Survey (SS.SV))	3

Gen*Ed Aesthetics (AT) AR,DA,MU,TH	3	ED-250 Psychological and Philosophical Foundations of Education	3
FO-xxx Gen*Ed World Language	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
PS-102 International Relations	3	Free Electives	3
Semester Credits	**15**	**Semester Credits**	**15**

Second Year

Fall	Credits	Spring	Credits
ED-320 Teaching Emergent Multilinguals in an Inclusive Classroom (Gen*Ed Reasoned Oral Discourse (RD) and Writing Intensive (WT)	3	EDS-330 Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood (Gen*Ed WT)	3
PS-xxx Political Science Course Type PSPA	3	EDL-326 Literacy Instruction in P-6 Educational Settings I	3
PS-xxx Political Science Course Type PSIP	3	PS-xxx Political Science Course Type PSAL	3
EN-2xx Gen*Ed Literature (LIT)	3	Political Science Course Type PSCG	3
MA-203 Foundations of Elementary Mathematics I (Gen*Ed Mathematics)	3	MA-204 Foundations of Elementary Mathematics II	3
Semester Credits	**15**	**Semester Credits**	**15**

Third Year

Fall	Credits	Spring	Credits
ED-361 Methods of Teaching Science for Elementary School	3	EDS-350 Individualizing Curricula and Systematic Instruction for Special Education	3
EDS-336 Classroom Management	3	EDS-338 Assessment Approaches, P-12	3
PS-xxx Political Science Course Type PSAM	3	PS-250 Fundamentals of Social Science Research (Gen*Ed Technological Literacy (TL)	3
PS-221 Early Political Thought or 222 (Gen*Ed Writing Intensive (WT)	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
Gen*Ed Cultural Diversity (CD) or Global Understanding (GU)	3	Free Elective	6
Semester Credits	**15**	**Semester Credits**	**18**

Fourth Year

Fall	Credits	Spring	Credits
EDL-327 Methods of Teaching Content Area Literacy in the Inclusive Elementary Setting: Language Arts & Social Studies (Gen*Ed WT)	3	ED-416 Clinical Practice (Gen*Ed EX)	8
ED-360 Methods of Teaching Elementary Mathematics	3	ED-416S Clinical Practice Seminar	1
PS-309, PS-371, PS-383, PS-289, PS-389, PS-489 (Gen*Ed Experiential Education (ExEd)	3	PS-401 Seminar in Political Science	3
EDS-342 Instructional Methods and Materials for Students with Disabilities	3		
PR-4xx Gen*Ed Interdisciplinary Studies (ISP)	3		
Semester Credits	**15**	**Semester Credits**	**12**

Total Credits 120

B.A. in Political Science and Education with Endorsement in Secondary Education in Social Studies (PS.EDS.BA)

Code	Title	Credits
Major Requirements/Political Science (33 credits)		
(Satisfies Social Science Survey (SS.SV) in General Education		
PS-102	International Relations	3
PS-103	American National Government	3
PS-250	Fundamentals of Social Science Research	3
(Satisfies Technological Literacy (TL) in General Education)		
Select 3 credits from Course Type: PSAM (American Politics)		3
Select 3 credits from Course Type: PSAL (American Legal System)		3
Select 3 credits from Course Type: PSPA (Public Policy)		3
Select 3 credits from Course Type: PSIP (International Relations)		3
Select 3 credits from Course Type: PSCG (Comparative Politics)		3
PS-221	Early Political Thought	3
or PS-222	Modern Political Thought	
Select one of the following:		3
PS-309	Political Science Internship Seminar	
PS-289	Political Science Internship	
PS-371	International Service Seminar	
PS-383	Model UN Conference	
PS-389	Political Science Internship	
PS-489	Political Science Internship	
PS-401	Seminar in Political Science	3
Major Requirements/Education (24 credits) [1]		
ED-250	Psychological and Philosophical Foundations of Education	3
EDS-330	Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
EDS-336	Classroom Management	3
ED-319	Content Literacy and Assessment	3
ED-320	Teaching Emergent Multilinguals in an Inclusive Classroom	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
Select 9 credits as follows: [2]		
ED-416 & 416S	Clinical Practice and Clinical Practice Seminar	9
Education Methods Requirements (6 credits) [1]		
ED-315	Digital Media and Instructional Technology Skills for Teachers	3
ED-371	Methods of Teaching Social Studies at the Secondary Level	3

Education Interdisciplinary Requirements (27 credits)		
GO-100	People, Places, and Environments: Introduction to Geography	3
(Satisfies Cultural Diversity (CD) in General Education)		
MA-105	Mathematical Modeling in the Social Sciences	3
(Satisfies Mathematics in General Education)		
SO-101	Introduction to Sociology	3
BE-200	Economics for Social Science	3
HS-101	Western Civilization in World Perspective I (Satisfies Historical Perspective (HS.SV) in General Education)	3
(Satisfies Historical Perspective (HS.SV) in General Education)		
HS-102	Western Civilization in World Perspective II	3
Satisfies Historical Perspective (HS.SV) in General Education)		
HS-201	United States History I	3
HS-202	United States History II	3
Select 1 History Elective Course Type: CD/GU		3
Free Electives (6 credits)		
Complete up to 6 credits of free electives [3]		6
General Education Requirements (24 credits)		
Complete 24 credits as outlined on the General Education table. [4]		24
Total Credits		**120**

[1] *Minimum grade of "C" required for Education Courses*
[2] *Students must complete the appropriate test requirement(s) with a passing score PRIOR to Clinical Practice.*
[3] *Please consult with your advisor regarding the required number of free electives that must be completed.*
[4] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which General Education courses must be completed.*

Additional Endorsements Available

- TSD - Teacher of Students with Disabilities - Secondary
- ESL - English as a Second Language - Secondary

Notes

- 54 credits must be completed at the 200 level or higher.
- Education majors are required to have an overall GPA of 3.00 for State Certification.
- By state regulation, all Education Majors seeking content area endorsement must complete 30 content credits (12+ credits at the 300+ level).

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
PS-102 International Relations	3	PS-103 American National Government (Gen*Ed Social Science Survey (SS.SV))	3
HS-101 Western Civilization in World Perspective I (Gen*Ed Historical Perspective (HS.SV))	3	ED-250 Psychological and Philosophical Foundations of Education	3
GO-100 People, Places, and Environments: Introduction to Geography	3	HS-102 Western Civilization in World Perspective II (Gen*Ed Historical Perspectives (HS.SV))	3
FO-xxx Gen*Ed World Language	3	SO-101 Introduction to Sociology (Gen*Ed Social Science Survey (SS.SV)	3
Semester Credits	**15**	**Semester Credits**	**15**

Second Year

Fall	Credits	Spring	Credits
ED-320 Teaching Emergent Multilinguals in an Inclusive Classroom (Gen*Ed Reasoned Oral Discourse (RD) and)	3	EDS-330 Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood (Gen*Ed WT)	3
MA-105 Mathematical Modeling in the Social Sciences (Gen*Ed Mathematics)	3	BE-200 Economics for Social Science	3
HS-201 United States History I	3	Gen*Ed Aesthetics (AT) AR,DA,MU,TH	3
EN-2xx Gen*ED Literature (LIT)	3	HS-202 United States History II	3
Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3	PS-xxx Political Science Course Type PSAL	3
Semester Credits	**15**	**Semester Credits**	**15**

Third Year

Fall	Credits	Spring	Credits
EDS-336 Classroom Management	3	ED-319 Content Literacy and Assessment (Gen*Ed WT)	3
PS-221 Early Political Thought or 222 (Gen*Ed Writing Intensive (WT))	3	PS-250 Fundamentals of Social Science Research (Gen*Ed Technological Literacy (TL)	3
PS-xxx Political Science Course Type PSAM	3	PS-xxx Political Science Course Type PSCG	3
PS-xxx Political Science Course Type PSIP	3	PS-xxx Political Science Course Type PSPA	3
HS-xxx Gen*Ed Cultural Diversity (CD) or Global Understanding (GU)	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
Semester Credits	**15**	**Semester Credits**	**15**

Fourth Year

Fall	Credits	Spring	Credits
ED-315 Digital Media and Instructional Technology Skills for Teachers	3	ED-416 Clinical Practice (Gen*Ed EX)	8
ED-371 Methods of Teaching Social Studies at the Secondary Level	3	ED-416S Clinical Practice Seminar	1
PR-4xx Gen*Ed Interdisciplinary Studies (ISP)	3	PS-401 Seminar in Political Science	3
PS-309, PS-371, PS-383, PS-289, PS-389, PS-489 (Gen*Ed Experiential Education (ExEd)	3		
Free Elective	6		
Semester Credits	**18**	**Semester Credits**	**12**

Total Credits 120

B.A. in Spanish and Education with Endorsements in Elementary and Teacher of Students with Disabilities (FO.FS.EDEY.BA)

Code	Title	Credits
Major Requirements/Spanish (36 credits) [1]		
FS-301	Introduction to Hispanic Literature	3
FS-315	Introduction to Spanish Linguistics	3
FS-300A	Advanced Spanish Conversation and Oral Discourse [2]	3
FS-300B	Advanced Spanish: Composition and Conversation II	3
FS-305	Survey of Spanish-American Literature	3
or FS-307	Survey of Spanish Literature	
FS-309	Culture and Civilization Spain	3
FS-310	Culture and Civilization of Latin America	3
FS-402	Advanced Spanish Conversation and Oral Proficiency	3
FS-409	Advanced Spanish: Grammar and Stylistics	3
Select 6 credits from courses designated with Course Type: FS.LT		6
FS-400+: Spanish Elective		3
(Courses in Major Requirements satisfy the World Language requirement in General Education)		
FO-LTIOPI	Oral Proficiency Interview - UG	0
Major Requirements/Education (42 credits) [3]		
ED-250	Psychological and Philosophical Foundations of Education	3
EDS-330	Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
EDS-336	Classroom Management	3
EDL-326	Literacy Instruction in P-6 Educational Settings I	3
EDL-327	Methods of Teaching Content Area Literacy in the Inclusive Elementary Setting: Language Arts & Social Studies	3
ED-320	Teaching Emergent Multilinguals in an Inclusive Classroom	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
ED-360	Methods of Teaching Elementary Mathematics	3
ED-361	Methods of Teaching Science for Elementary School	3
EDS-338	Assessment Approaches, P-12	3
EDS-342	Instructional Methods and Materials for Students with Disabilities	3
EDS-350	Individualizing Curricula and Systematic Instruction for Special Education	3
Select 9 credits as follows: [2, 4]		
ED-416 & 416S	Clinical Practice and Clinical Practice Seminar	9
Education Interdisciplinary Requirements (6 credits)		
MA-205	Number Systems	3
MA-206	Algebraic Thinking, Probability and Statistics	3
(Satisfies Mathematics in General Education)		
Free Electives (0 credits) [5]		
The number of free electives, if any, will be determined in consultation with the advisor [5]		
General Education Requirements (36 credits) [6]		
Complete 36 credits as outlined on the General Education table. [6]		36
Total Credits		**120**

1 *36 credits above the intermediate level. In 300+ level courses it is presumed that the student has taken 201-202 (Intermediate) or equivalent to assure adequate communicative facility in the foreign language.*

2 *A student may be exempt from taking both courses upon a final grade of A- or above in one of the courses. Any FS-300+ may be substituted to fulfill the three credits.*

3 *Minimum grade of "C" Required for all Education courses*

4 *Students must complete the appropriate test requirement(s) with a passing score PRIOR to Clinical Practice.*

5 *Please consult with your advisor regarding the required number of free electives that must be completed.*

6 *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(p. 44) courses must be completed.*

Additional Endorsements Available

- ESL - English as a Second Language - Elementary
- P-3 Early Childhood Endorsement

Notes

- 54 credits must be completed at the 200 level or higher.
- Education majors are required to have an overall GPA of 3.00 for State Certification.
- By state regulation, all Education Majors seeking content area endorsement must complete 30 content credits (12+ credits at the 300+ level).

Sequence Chart

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
FS-300A Advanced Spanish Conversation and Oral Discourse	3	FS-301 Introduction to Hispanic Literature	3
FS-300B Advanced Spanish: Composition and Conversation II	3	ED-250 Psychological and Philosophical Foundations of Education	3
Gen*Ed Social Science Survey (SS.SV)	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
Gen*Ed Aesthetics (AT) AR,DA,MU,TH	3	Gen*Ed Historical Perspectives (HS.SV)	3
Semester Credits	**15**	**Semester Credits**	**15**

Second Year

Fall	Credits	Spring	Credits
EN-2xx Gen*Ed Literature (LIT)	3	EDS-330 Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood (Gen*Ed Writing Intensive (WT)	3
MA-205 Number Systems	3	EDL-326 Literacy Instruction in P-6 Educational Settings I	3
ED-320 Teaching Emergent Multilinguals in an Inclusive Classroom (Gen*Ed Reasoned Oral Discourse (RD) and Writing Intensive (WT)	3	FS-400 Spanish Elective (Course Type FS.LT)	3
FS-305 Survey of Spanish-American Literature or 307	3	MA-206 Algebraic Thinking, Probability and Statistics	3
Gen*Ed Cultural Diversity (CD) or Global Understanding (GU)	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
Semester Credits	**15**	**Semester Credits**	**15**

Third Year

Fall	Credits	Spring	Credits
ED-361 Methods of Teaching Science for Elementary School	3	EDS-350 Individualizing Curricula and Systematic Instruction for Special Education	3
EDS-336 Classroom Management	3	EDS-338 Assessment Approaches, P-12	3
FS-310 Culture and Civilization of Latin America	3	FS-402 Advanced Spanish Conversation and Oral Proficiency	3
FS-315 Introduction to Spanish Linguistics	3	FS-400 Level Spanish Elective (Course type FS.LT)	3
FS-409 Advanced Spanish: Grammar and Stylistics	3	FS-4xx Spanish Elective	3
		Gen*Ed Technological Literacy (TL)	3
Semester Credits	**15**	**Semester Credits**	**18**

Fourth Year

Fall	Credits	Spring	Credits
EDL-327 Methods of Teaching Content Area Literacy in the Inclusive Elementary Setting: Language Arts & Social Studies (Gen*Ed Writing Intensive (WT)	3	ED-416 Clinical Practice	8
ED-360 Methods of Teaching Elementary Mathematics	3	ED-416S Clinical Practice Seminar	1
FS-309 Culture and Civilization Spain	3	PR-4xx Gen*Ed Interdisciplinary Perspectives	3
EDS-342 Instructional Methods and Materials for Students with Disabilities	3		
Gen*Ed Historical Perspectives (HS.SV) or Social Science Survey (SS.SV)	3		
Semester Credits	**15**	**Semester Credits**	**12**

Total Credits 120

B.A. in Spanish and Education with Endorsement in K-12 Education in Spanish (FO.FS.EDS.BA)

Code	Title	Credits
Major Requirements/Spanish (36 credits) [1]		
FS-301	Introduction to Hispanic Literature	3
FS-315	Introduction to Spanish Linguistics	3
FS-300A	Advanced Spanish Conversation and Oral Discourse [2]	3
FS-300B	Advanced Spanish: Composition and Conversation II	3
FS-305	Survey of Spanish-American Literature	3
or FS-307	Survey of Spanish Literature	
FS-309	Culture and Civilization Spain	3
FS-310	Culture and Civilization of Latin America	3
FS-402	Advanced Spanish Conversation and Oral Proficiency	3
FS-409	Advanced Spanish: Grammar and Stylistics	3
Select 6 credits from courses designated with Course Type: FS.LT		6
FS-400+: Spanish Elective		3
(Courses from Major Requirements satisfy World Language requirement in General Education)		
FO-LTIOPI	Oral Proficiency Interview - UG	0
Major Requirements/Education (24 credits) [3]		
ED-250	Psychological and Philosophical Foundations of Education	3
EDS-330	Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
EDS-336	Classroom Management	3
ED-319	Content Literacy and Assessment	3
ED-320	Teaching Emergent Multilinguals in an Inclusive Classroom	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
Select 9 credits as follows: [2, 4]		
ED-416 & 416S	Clinical Practice and Clinical Practice Seminar	9
Education Outside Major Requirements (3 credits)		
MA-100	Quantitative Reasoning and Problem Solving	3
or MA-205	Number Systems	
(Satisfies Mathematics in General Education)		
Spanish Interdisciplinary Requirements (12 credits)		
Select 12 credits in one of the following ways:		12
Humanities (at least 2 courses) and Social Sciences (at least 1 course) [5, 6, 7, 8]		
Select a Second World Language (other than Spanish); FI, FF, FG, FA, FC, FO, FL, FIR		
Education Interdisciplinary Requirements (6 credits) [3]		
ED-427	The Teaching of World Languages	3

ED-374	Issues and Practices in World Language Education Part II	3
or ED-377	Integrated K-12 Teaching Methods	
Free Electives (3 credits) [9]		
Select up to 3 credits of free electives.		3
General Education Requirements (36 credits) [10]		
Complete 36 credits as outlined on the General Education table.		36
Total Credits		**120**

1 *36 credits above the intermediate level. In 300+ level courses it is presumed that the student has taken 201-202 (Intermediate) or equivalent to assure adequate communicative facility in the foreign language.*

2 *A student may be exempt from taking both courses upon a final grade of A- or above in one of the courses. Any FS-300+ may be substituted to fulfill the three credits.*

3 *Minimum grade of "C" Required for all Education courses.*

4 *Students must complete the appropriate test requirement(s) with a passing score PRIOR to Clinical Practice.*

5 *In addition to the General Education requirements. Subject EN: some exclusions apply, contact the department for guidance.*

6 *Humanities subjects: AA;AR;DA; EN; HIS; HU; MU; PL; RS*

7 *Social Science course codes: AN; CJ; CO; PS; SO; PY*

8 *Please choose at least 3 different subjects.*

9 *Please consult with your advisor regarding the required number of free electives that must be completed.*

10 *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(p. 44) courses must be completed.*

Additional Endorsements Available

- TSD - Teacher of Students with Disabilities - K-12
- ESL - English as a Second Language - K-12

Notes

- 54 credits must be completed at the 200 level or higher.
- Education majors are required to have an overall GPA of 3.00 for State Certification.
- By state regulation, all Education Majors seeking content area endorsement must complete 30 content credits (12+ credits at the 300+ level).

Sequence Chart

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
FS-300A Advanced Spanish Conversation and Oral Discourse	3	FS-301 Introduction to Hispanic Literature (Gen*Ed World Language)	3
FS-300B Advanced Spanish: Composition and Conversation II	3	ED-250 Psychological and Philosophical Foundations of Education	3
Gen*Ed Social Science Survey (SS.SV)	3	Gen*Ed Historical Perspectives (HS.SV)	3
Gen*Ed Cultural Diversity (CD) or Global Understanding (GU)	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
Semester Credits	**15**	**Semester Credits**	**15**

Second Year

Fall	Credits	Spring	Credits
ED-320 Teaching Emergent Multilinguals in an Inclusive Classroom (Gen*Ed Reasoned Oral Discourse (RD) and Writing Intensive (WT)	3	EDS-330 Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
MA-100 Quantitative Reasoning and Problem Solving or 205 (Gen*Ed Mathematics)	3	Gen*Ed Historical Perspectives (HS.SV) or Social Science Survey (SS.SV)	3
FS-305 Survey of Spanish-American Literature or 307	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
Interdisciplinary Elective from subjects: AR/CO/EN/HS/MU/PL	3	FS-4xx Spanish Elective (Course Type FS.LT)	3
EN-2XX Gen*Ed Literature (LIT)	3	Gen*Ed Aesthetics (AT) AR,DA,MU,TH	3
Semester Credits	**15**	**Semester Credits**	**15**

Third Year

Fall	Credits	Spring	Credits
FS-310 Culture and Civilization of Latin America	3	FS-402 Advanced Spanish Conversation and Oral Proficiency	3
FS-315 Introduction to Spanish Linguistics	3	ED-319 Content Literacy and Assessment	3
FS-409 Advanced Spanish: Grammar and Stylistics	3	Interdisciplinary Perspectives from subjects: AR,CO,EN,HS,MU,PL	6
EDS-336 Classroom Management	3	FS-4xx Spanish Elective (Course type FS.LT)	3
ED-374 Issues and Practices in World Language Education Part II or 377	3	Free Elective	3
Semester Credits	**15**	**Semester Credits**	**18**

Fourth Year

Fall	Credits	Spring	Credits
FS-309 Culture and Civilization Spain	3	Gen*Ed Interdisciplinary Perspectives (ISP)	3
FS-4xx Spanish Elective	3	ED-416 Clinical Practice	8
ED-427 The Teaching of World Languages	3	ED-416S Clinical Practice Seminar	1
Interdisciplinary Perspectives from subjects: AR,CO,EN,HS,MU,PL	3		
Gen*Ed Technological Literacy (TL)	3		
FO-LTIOPI Oral Proficiency Interview - UG	0		
Semester Credits	**15**	**Semester Credits**	**12**

Total Credits 120

B.S. in Biology and Education with Endorsement in Secondary Education in Biology (BY.EDS.BS)

Code	Title	Credits
Major Requirements/Biology (30-31 credits) [1]		
BY-119	Introductory Biology Major Seminar	1
BY-109	Introduction to Ecology and Evolution	4
(Satisfies Natural Sciences in General Education)		
BY-110	Introduction to Cell and Molecular Biology	4
BY-216	Introduction to Genetics	4
(Satisfies Technological Literacy (TL) in General Education)		

BY-310	Biochemistry and Lab	4
BY-495	Senior Seminar	1
Select Option "A" or Option "B"		12-13
Option A		
Complete the following courses:		
BY-205	Zoology	
BY-220	Environmental Biology and Policy	
BY-440	Ecology	
Select one course from the following list:		
BY-317	Tropical Island Ecology	
BY-322	Ichthyology	
BY-324	Applied Microbiology	
BY-342	Coastal Zone Management	
BY-360	The Business of Biotechnology: From the Bench to the Market	
BY-370	Cell Biology	
BY-404	Animal Behavior	
BY-406	Introduction to Neurosciences	
BY-410	Molecular Biology	
BY-430	Neuroscience Beyond Neurons	
BY-431	Immunology	
BY-424	Evolution	
BY-425	Principles of Developmental Biology	
BY-427	Cancer Biology	
BY-450	Research in Molecular Cell Physiology	
BY-475	Endocrinology	
Option B		
BY-375L	Laboratory in Molecular and Cellular Biology	
Select 9 additional Biology credits with at least 4 credits at the 300 or 400 level		
BY-220	Environmental Biology and Policy	
BY-299, BY-399 or BY-499 Independent Study		
BY-201	Introduction to Biotechnology	
BY-209	Environment and Human Health	
BY-211	Physiology with Anatomy I	
BY-212	Physiology with Anatomy II	
BY-223	General Microbiology	
BY-250	Research in Molecular Cell Physiology	
BY-264	Environmental Field Methods	
BY-317	Tropical Island Ecology	
BY-324	Applied Microbiology	
BY-342	Coastal Zone Management	
BY-360	The Business of Biotechnology: From the Bench to the Market	
BY-370	Cell Biology	
BY-404	Animal Behavior	
BY-406	Introduction to Neurosciences	
BY-410	Molecular Biology	
BY-424	Evolution	
BY-425	Principles of Developmental Biology	
BY-427	Cancer Biology	
BY-431	Immunology	
BY-450	Research in Molecular Cell Physiology	
BY-475	Endocrinology	
Major Requirements/Education (24 credits) [2]		
ED-250	Psychological and Philosophical Foundations of Education	3
EDS-330	Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
EDS-336	Classroom Management	3
ED-319	Content Literacy and Assessment	3
ED-320	Teaching Emergent Multilinguals in an Inclusive Classroom	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
Select 9 credits as follows: [3]		
ED-416 & 416S	Clinical Practice and Clinical Practice Seminar	9
Biology Interdisciplinary Requirements (30 credits)		
MA-115	Pre-Calculus Modeling for the Biological Sciences	3
or MA-116	Calculus for the Biological Sciences	
(Satisfies Mathematics in General Education)		
(Satisfies Mathematics in General Education)		
MA-151	Statistics with Applications	3
CE-111	General Chemistry I	3
CE-111L	General Chemistry I Laboratory	1
CE-112	General Chemistry II	3
CE-112L	General Chemistry II Laboratory	1
CE-241	Organic Chemistry I	3
CE-241L	Organic Chemistry I Laboratory	1
CE-242	Organic Chemistry II	3
CE-242L	Organic Chemistry II Laboratory	1
PH-105	Physics for the Life Sciences I	3
PH-105L	Physics for the Life Sciences I Laboratory	1
PH-106	Physics for the Life Sciences II	3
PH-106L	Physics for the Life Sciences II Laboratory	1
Education Methods Requirements (6 credits) [3]		
ED-315	Digital Media and Instructional Technology Skills for Teachers	3
ED-369	Methods of Teaching Science at the Secondary Level	3
Free Electives (0 credits) [4]		
The number of free electives, if any, will be determined in consultation with your advisor. [4]		
General Education Requirements (30 credits) [5]		
Complete 30 credits as outlined on the General Education table. [5]		30
Total Credits		**120-121**

[1] *BY-102 Applications in Biotechnology (3 cr.), BY-104 Human Biology (3 cr.), BY-105 Introductory Biology and Human Development (3 cr.), and BY-106 The Brain - Highs and Lows (3 cr.) are not available to BY majors.*

[2] *Minimum grade of "C" required for Education Courses*

[3] *Students must complete the appropriate test requirement(s) with a passing score PRIOR to Clinical Practice.*

[4] Please consult with your advisor regarding the required number of free electives that must be completed.

[5] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education (p. 44) *courses must be completed.*

Additional Endorsements Available

- TSD - Teacher of Students with Disabilities - Secondary
- ESL - English as a Second Language - Secondary

Notes

- 54 credits must be completed at the 200 level or higher.
- Education majors are required to have an overall GPA of 3.00 for State Certification.
- By state regulation, all Education Majors seeking content area endorsement must complete 30 content credits (12+ credits at the 300+ level).

Sequence Chart

First Year

Fall	Credits	Spring	Credits
BY-109 Introduction to Ecology and Evolution or 110	4	EN-102 College Composition II	3
BY-119 Introductory Biology Major Seminar	1	BY-110 Introduction to Cell and Molecular Biology or 109	4
CE-111 & 111L	4	CE-112 & 112L	4
MA-115 Pre-Calculus Modeling for the Biological Sciences or 116	3	ED-250 Psychological and Philosophical Foundations of Education	3
EN-101 College Composition I	3	FO-xxx Gen*Ed World Language	3
Semester Credits	**15**	**Semester Credits**	**17**

Second Year

Fall	Credits	Spring	Credits
BY-216 Introduction to Genetics (Gen*Ed Technological Literacy (TL))	4	BY-xxx Biology Elective	3
CE-241 & 241L	4	CE-242 Organic Chemistry II	3
ED-320 Teaching Emergent Multilinguals in an Inclusive Classroom (Gen*Ed Reasoned Oral Discourse (RD) and Writing Intensive (WT)	3	CE-242L Organic Chemistry II Laboratory	1
Gen*Ed Aesthetics (AT) AR,DA,MU,TH	3	EDS-330 Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
		Gen*Ed Cultural Diversity (CD) or Global Understanding (GU)	3
		Gen*Ed Social Science Survey (SS.SV)	3
Semester Credits	**14**	**Semester Credits**	**16**

Third Year

Fall	Credits	Spring	Credits
BY-xxx Biology Elective	3	BY-xxx Biology Elective	3
BY-310 Biochemistry and Lab	4	PH-106 & 106L	4
PH-105 & 105L	4	MA-151 Statistics with Applications	3
EDS-336 Classroom Management	3	Gen*Ed Historical Perspectives (HS.SV)	3
		ED-319 Content Literacy and Assessment	3
Semester Credits	**14**	**Semester Credits**	**16**

Fourth Year

Fall	Credits	Spring	Credits
ED-315 Digital Media and Instructional Technology Skills for Teachers	3	ED-416 Clinical Practice	8
ED-369 Methods of Teaching Science at the Secondary Level	3	ED-416S Clinical Practice Seminar	1
Gen*Ed Historical Perspectives (HS.SV) or Social Science Survey (SS.SV)	3	Gen*Ed Interdisciplinary Perspectives	3
BY-xxx Biology Elective	3		
BY-4xx Biology Elective	3-4		
BY-495 Senior Seminar	1		
Semester Credits	**16-17**	**Semester Credits**	**12**

Total Credits 120-121

B.S. in Chemistry and Education with Endorsement in Secondary Education in Chemistry (CE.EDS.BS)

Code	Title	Credits
Major Requirements/Chemistry (37 credits) [1]		
CE-111	General Chemistry I	3
CE-111R	General Chemistry I Recitation	1
CE-111L	General Chemistry I Laboratory	1
CE-112	General Chemistry II	3
CE-112R	General Chemistry II Recitation	1
CE-112L	General Chemistry II Laboratory	1
CE-221	Analytical Chemistry I Quantitative Analysis	3
CE-221L	Analytical Chemistry I Laboratory Quantitative Analysis	1
CE-241	Organic Chemistry I	3
CE-241L	Organic Chemistry I Laboratory	1
CE-242	Organic Chemistry II	3
CE-314	Chemical Literature and Seminar	3
CE-242L	Organic Chemistry II Laboratory	1
CE-322	Analytical Chemistry II	3
CE-322L	Analytical Chemistry II Laboratory	2
CE-381	Physical Chemistry I	3
CE-381L	Physical Chemistry I Laboratory	1
Chemistry 300+ level: Select one course from the following list		3
CE-325	NMR Spectroscopy	
CE-333	Biochemistry	
CE-333L	Biochemistry Laboratory	
CE-360	Biophysical Chemistry	
CE-401	Advanced Inorganic Chemistry	
CE-452	Advanced Organic Chemistry	
CE-475	Computational Chemistry and Molecular Modeling	
CE-486	Medicinal Chemistry	
(CE courses satisfy Natural Science (NS) in General Education)		

Major Requirements/Education (24 credits) [2]		
ED-250	Psychological and Philosophical Foundations of Education	3
EDS-330	Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
EDS-336	Classroom Management	3
ED-319	Content Literacy and Assessment	3
ED-320	Teaching Emergent Multilinguals in an Inclusive Classroom	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
Select 9 credits as follows: [3]		
ED-416 & 416S	Clinical Practice and Clinical Practice Seminar	9
Interdisciplinary Requirements/Chemistry (15 credits)		
MA-125	Calculus with Analytic Geometry I	4
OR		
MA-116	Calculus for the Biological Sciences	
MA-151	Statistics with Applications	3
(MA-125, MA-116 0r MA-151 satisfy Mathematics in General Education)		
PH-211	General Physics with Calculus I	3
PH-211L	General Physics with Calculus I Laboratory	1
PH-212	General Physics with Calculus II	3
PH-212L	General Physics with Calculus II Laboratory	1
Education Methods Requirements (6 credits)		
ED-315	Digital Media and Instructional Technology Skills for Teachers	3
ED-369	Methods of Teaching Science at the Secondary Level	3
Free Electives (5 credits) [4]		
Select up to 5 free elective credits [4]		5
General Education Requirements (33 credits) [5]		
Complete 33 credits as outlined on the General Education table. [5]		33
Total Credits		**120**

[1] *Students desiring certification by the ACS should enroll in the BS CE ACS program*
[2] *Minimum grade of "C" required for Education Courses*
[3] *Students must complete the appropriate test requirement(s) with a passing score PRIOR to Clinical Practice.*
[4] *Please consult with your advisor regarding the number of free electives that must be completed.*
[5] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(p. 44) courses must be completed.*
[6] Students can take MA-125 in place of MA-116.

Additional Endorsements Available

- TSD - Teacher of Students with Disabilities - Secondary
- ESL - English as a Second Language - Secondary

Notes

- 54 credits must be completed at the 200 level or higher.
- Education majors are required to have an overall GPA of 3.00 for State Certification.
- By state regulation, all Education Majors seeking content area endorsement must complete 30 content credits (12+ credits at the 300+ level).

B.S. in Chemistry and Education with Endorsement in Secondary Education in Chemistry
Sequence Chart

First Year

Fall	Credits	Spring	Credits
CE-111 General Chemistry I	3	CE-112 General Chemistry II	3
CE-111R General Chemistry I Recitation	1	CE-112R General Chemistry II Recitation	1
CE-111L General Chemistry I Laboratory	1	CE-112L General Chemistry II Laboratory	1
EN-101 College Composition I	3	MA-151 Statistics with Applications	3
MA-116 Calculus for the Biological Sciences[6]	3	EN-102 College Composition II	3
IT-102 Information Technology for Scientists	3	Gen*Ed Social Science Survey	3
		ED-250 Psychological and Philosophical Foundations of Education	3
Semester Credits	**14**	**Semester Credits**	**17**

Second Year

Fall	Credits	Spring	Credits
CE-241 Organic Chemistry I	3	CE-221 Analytical Chemistry I Quantitative Analysis	3
CE-241L Organic Chemistry I Laboratory	1	CE-221L Analytical Chemistry I Laboratory Quantitative Analysis	1
PH-211 General Physics with Calculus I	3	CE-242 Organic Chemistry II	3
PH-211L General Physics with Calculus I Laboratory	1	CE-242L Organic Chemistry II Laboratory	1
Gen*Ed Aesthetics	3	PH-212 General Physics with Calculus II	3
Gen*Ed Historical Survey	3	PH-212L General Physics with Calculus II Laboratory	1
ED-320 Teaching Emergent Multilinguals in an Inclusive Classroom	3	EDS-330 Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
Semester Credits	**17**	**Semester Credits**	**15**

Third Year

Fall	Credits	Spring	Credits
CE-314 Chemical Literature and Seminar	3	ED-319 Content Literacy and Assessment	3
CE-381 Physical Chemistry I	3	Gen*Ed World Language	3
CE-381L Physical Chemistry I Laboratory	1	Gen*Ed Historical Perspectives or Social Science Survey	3
Gen*Ed Literature	3	Gen*Ed Interdisciplinary Perspectives	3
Gen*Ed Cultural Diversity or Global Understanding	3	Free Electives	3
EDS-336 Classroom Management	3		
Semester Credits	**16**	**Semester Credits**	**15**

Fourth Year			
Fall	**Credits**	**Spring**	**Credits**
ED-315 Digital Media and Instructional Technology Skills for Teachers	3	ED-416 Clinical Practice	8
ED-369 Methods of Teaching Science at the Secondary Level	3	ED-416S Clinical Practice Seminar	1
CE-322 Analytical Chemistry II	3		
CE-322L Analytical Chemistry II Laboratory (CE300+ Elective from list)	2		
Chemistry Elective (300+ from list)	3		
Free Elective Credits	3		
Semester Credits	**17**	**Semester Credits**	**9**

Total Credits 120

B.S. in Chemistry and Education with Endorsement in Secondary Education in Physical Sciences (CE.CP.EDS.BS)

Code	Title	Credits
Major Requirements/Chemistry (37 credits) [1]		
CE-111	General Chemistry I	3
CE-111L	General Chemistry I Laboratory	1
CE-111R	General Chemistry I Recitation	1
CE-112	General Chemistry II	3
CE-112L	General Chemistry II Laboratory	1
CE-112R	General Chemistry II Recitation	1
CE-314	Chemical Literature and Seminar	3
CE-221	Analytical Chemistry I Quantitative Analysis	3
CE-221L	Analytical Chemistry I Laboratory Quantitative Analysis	1
CE-241	Organic Chemistry I	3
CE-241L	Organic Chemistry I Laboratory	1
CE-242	Organic Chemistry II	3
CE-242L	Organic Chemistry II Laboratory	1
CE-322	Analytical Chemistry II	3
CE-322L	Analytical Chemistry II Laboratory	2
CE-381	Physical Chemistry I	3
CE-381L	Physical Chemistry I Laboratory	1
Chemistry 300+ level: Select one course from the following list		3
CE-325	NMR Spectroscopy	
CE-333	Biochemistry	
CE-333L	Biochemistry Laboratory	
CE-360	Biophysical Chemistry	
CE-382	Physical Chemistry II	
CE-401	Advanced Inorganic Chemistry	
CE-452	Advanced Organic Chemistry	
CE-475	Computational Chemistry and Molecular Modeling	
CE-486	Medicinal Chemistry	
(CE courses satisfy Natural Science (NS) requirement in General Education)		
Major Requirements/Education (24 credits) [2]		
ED-250	Psychological and Philosophical Foundations of Education	3
EDS-330	Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
EDS-336	Classroom Management	3
ED-319	Content Literacy and Assessment	3
ED-320	Teaching Emergent Multilinguals in an Inclusive Classroom	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
Select 9 credits as follows: [3]		
ED-416 & 416S	Clinical Practice and Clinical Practice Seminar	9
Interdisciplinary Requirements/Chemistry (21 credits)		
MA-125	Calculus with Analytic Geometry I	4
or MA-116	Calculus for the Biological Sciences	
MA-151	Statistics with Applications	3
(MA-125, MA-116 or MA-151 satisfy Mathematics in General Education)		
PH-211	General Physics with Calculus I	3
PH-211L	General Physics with Calculus I Laboratory	1
PH-212	General Physics with Calculus II	3
PH-212L	General Physics with Calculus II Laboratory	1
PH-311	Theoretical Physics	3
PH-312	Modern Physics	3
Education Methods Requirements (6 credits)		
ED-315	Digital Media and Instructional Technology Skills for Teachers	3
ED-369	Methods of Teaching Science at the Secondary Level	3
Free Electives (0 credits) [4]		**0**
Complete up to 0 free electives credits. [4]		*0*
General Education Requirements (33 credits) [5]		
Complete 33 credits as outlined on the General Education table. [5]		*33*
Total Credits		**121**

1 *Students desiring certification by the ACS should enroll in the BS CE ACS program*

2 *Minimum grade of "C" required for Education Courses*

3 *Students must complete the appropriate test requirement(s) with a passing score PRIOR to Clinical Practice.*

4 *Please consult with your advisor regarding the required number of free electives that must be completed.*

5 *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education courses (p. 44) *must be completed.*

Additional Endorsements Available

- TSD - Teacher of Students with Disabilities - Secondary
- ESL - English as a Second Language - Secondary

Notes

- 54 credits must be completed at the 200 level or higher.
- Education majors are required to have an overall GPA of 3.00 for State Certification.
- By state regulation, all Education Majors seeking content area endorsement must complete 30 content credits (12+ credits at the 300+ level).

B.S. in Chemistry and Education with Endorsement in Secondary Education in Physical Sciences

Sequence Chart

First Year

Fall	Credits	Spring	Credits
CE-111 General Chemistry I	3	CE-112 General Chemistry II	3
CE-111L General Chemistry I Laboratory	1	CE-112L General Chemistry II Laboratory	1
CE-111R General Chemistry I Recitation	1	CE-112R General Chemistry II Recitation	1
EN-101 College Composition I	3	MA-151 Statistics with Applications	3
IT-102 Information Technology for Scientists	3	EN-102 College Composition II	3
MA-116 Calculus for the Biological Sciences or 125	3	Gen*Ed Social Science Survey	3
		ED-250 Psychological and Philosophical Foundations of Education	3
Semester Credits	**14**	**Semester Credits**	**17**

Second Year

Fall	Credits	Spring	Credits
CE-241 Organic Chemistry I	3	CE-242 Organic Chemistry II	3
CE-241L Organic Chemistry I Laboratory	1	CE-242L Organic Chemistry II Laboratory	1
PH-211 General Physics with Calculus I	3	PH-212 General Physics with Calculus II	3
PH-211L General Physics with Calculus I Laboratory	1	PH-212L General Physics with Calculus II Laboratory	1
ED-320 Teaching Emergent Multilinguals in an Inclusive Classroom	3	EDS-330 Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
Gen*Ed Aesthetics	3	CE-221 Analytical Chemistry I Quantitative Analysis	3
Gen*Ed Historical Perspectives	3	CE-221L Analytical Chemistry I Laboratory Quantitative Analysis	1
Semester Credits	**17**	**Semester Credits**	**15**

Third Year

Fall	Credits	Spring	Credits
PH-312 Modern Physics	3	PH-311 Theoretical Physics	3
CE-314 Chemical Literature and Seminar	3	CE-300+ Elective from list	3
CE-381 Physical Chemistry I	3	ED-319 Content Literacy and Assessment	3
CE-381L Physical Chemistry I Laboratory	1	Gen*Ed Literature	3
EDS-336 Classroom Management	3	Gen*Ed World Language	3
Gen*Ed Cultural Diversity or Global Understanding	3		
Semester Credits	**16**	**Semester Credits**	**15**

Fourth Year

Fall	Credits	Spring	Credits
ED-315 Digital Media and Instructional Technology Skills for Teachers	3	ED-416 Clinical Practice	8
ED-369 Methods of Teaching Science at the Secondary Level	3	ED-416S Clinical Practice Seminar	1
CE-322 Analytical Chemistry II	3		
CE-322L Analytical Chemistry II Laboratory	2		
Gen*Ed Historical Perspectives or Social Science Survey	3		
Gen*Ed Interdisciplinary Studies	3		
Semester Credits	**17**	**Semester Credits**	**9**

Total Credits 120

B.S. in Health and Physical Education with an Education Endorsement in K-12 (HEPE.ED.BS)

Code	Title	Credits
Major Requirements/Health (15 credits)		
HE-101	Strategies for Healthy Living	3
HE-260	Substance Use and Abuse	3
HE-290	Health Research Methods	3
HE-324	Human Sexuality	3
HE-380	Nutrition and Health	3
Major Requirements/Physical Education (31 credits)		
PE-203	Instructional Strategies in Physical Education and Health	3
PE-310	Sport and Exercise Psychology	3
PE-320	Exercise Physiology	3
PE-330	Biomechanics and Kinesiology	3
PE-340	Motor Development and Learning	3
PE-350	School-Based Physical Activity	4
PE-360	Principles of Coaching	3
PE-411	Adapted Physical Education and Health	3
(Satisfies Cultural Diversity in General Education)		
Skills Requirement		
Select one course from each of 6 Skills categories: GAMES, AQUA, RHYTH, OUTDR, PERF, AND FIT [1]		6
Major Requirements/Education K-12 (24 credits) [2]		
ED-250	Psychological and Philosophical Foundations of Education	3
EDS-330	Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
EDS-336	Classroom Management	3
ED-319	Content Literacy and Assessment	3
ED-320	Teaching Emergent Multilinguals in an Inclusive Classroom	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
ED-416 & 416S	Clinical Practice and Clinical Practice Seminar [3]	9
Interdisciplinary Requirements (17 credits)		

BY-111	Anatomy and Physiology I	4
or BY-211	Physiology with Anatomy I	
(Satisfies Natural Sciences in General Education)		
BY-112	Anatomy and Physiology II	4
or BY-212	Physiology with Anatomy II	
(Satisfies Natural Sciences in General Education)		
PY-103	Introduction to Psychology ((Satisfies Social Science Survey (SS.SV) in General Education))	3
SO-101	Introduction to Sociology	3
(Satisfies Social Science Survey (SS.SV) in General Education)		
MA-105	Mathematical Modeling in the Social Sciences	3
(Satisfies Mathematics in General Education)		
Education K-12 Certificate Requirements (6 credits) [2]		
ED-378	Methods of Teaching Elementary Physical Education and Health	3
ED-379	Methods of Teaching Secondary Physical Education and Health	3
Free Electives (3 credits) [4]		
Select up to 3 free elective credits. [4]		3
General Education Requirements (24 credits) [5]		
Complete 24 credits as outlined on the General Education table. [5]		24
Total Credits		**120**

[1] *Of those 6 courses, at least 1 must be designated as "individual", at least 1 must be designated as "dual", and at least 1 must be designated as "team".*

[2] *Minimum grade of "C" required for Education courses.*

[3] *Students must complete the appropriate test requirement(s) with a passing score PRIOR to Clinical Practice.*

[4] Please consult with your advisor regarding the required number of free electives that must be completed.

[5] The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which General Education (p. 44) courses must be completed.

Additional Endorsements Available

- ESL - English as a Second Language - K-12
- TSD - Teacher of Students with Disabilities - K12

Notes

- 54 credits must be completed at the 200 level or higher.
- Education majors are required to have an overall GPA of 3.00 for State Certification.
- By state regulation, all Education Majors seeking content area endorsement must complete 30 content credits (12+ credits at the 300+ level).

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
PY-103 Introduction to Psychology (Gen*Ed Social Science Survey (SS.SV)	3	PE-203 Instructional Strategies in Physical Education and Health	3
SO-101 Introduction to Sociology (Gen*Ed Social Science Survey (SS.SV)	3	PE-xxx Physical Education Skill/ Activity Course (see curriculum chart)	1
HE-101 Strategies for Healthy Living	3	PE-xxx Physical Education Skill/ Activity Course (see curriculum chart)	1
FO-xxx Gen*Ed World Language	3	MA-105 Mathematical Modeling in the Social Sciences (Gen*Ed Mathematics)	3
		ED-250 Psychological and Philosophical Foundations of Education	3
Semester Credits	**15**	**Semester Credits**	**14**

Second Year

Fall	Credits	Spring	Credits
ED-320 Teaching Emergent Multilinguals in an Inclusive Classroom (Gen*Ed Reasoned Oral Discourse (RD) and Writing Intensive (WT	3	BY-112 Anatomy and Physiology II or 212 (Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL)	4
BY-111 Anatomy and Physiology I or 211 (Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL)	4	PE-xxx Physical Education Activity/Skill Course (See curriculum chart)	1
HE-290 Health Research Methods (Gen*Ed Writing Intensive (WT)	3	EDS-330 Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood (Gen*Ed WT)	3
HE-260 Substance Use and Abuse	3	HE-324 Human Sexuality	3
Gen*Ed Historical Perspectives (HS.SV)	3	PE-310 Sport and Exercise Psychology	3
		PE-xxx Physical Education Skills/ Activity Course (see curriculum chart)	1
Semester Credits	**16**	**Semester Credits**	**15**

Third Year

Fall	Credits	Spring	Credits
EDS-336 Classroom Management	3	ED-319 Content Literacy and Assessment (Gen*Ed WT)	3
HE-380 Nutrition and Health	3	ED-378 Methods of Teaching Elementary Physical Education and Health	3
PE-320 Exercise Physiology	3	PE-330 Biomechanics and Kinesiology	3
PE-340 Motor Development and Learning	3	PE-360 Principles of Coaching	3
PE-350 School-Based Physical Activity (Gen*Ed Experiential Education (ExEd))	4	EN-2xx Gen*Ed Literature (LIT)	3
Semester Credits	**16**	**Semester Credits**	**15**

Fourth Year

Fall	Credits	Spring	Credits
ED-379 Methods of Teaching Secondary Physical Education and Health	3	ED-416 Clinical Practice (Gen*Ed Experiential Education (ExEd)	8
PE-411 Adapted Physical Education and Health (Gen*Ed Cultural Diversity (CD)	3	ED-416S Clinical Practice Seminar	1
Gen*Ed Aesthetics (AT) AR,DA,MU,TH	3	Free Elective	3
PR-4xx Gen*Ed Interdisciplinary Perspectives (ISP)	3		

PE-xxx Physical Education Activity/Skill Course (see curriculum chart)	1		
PE-xxx Physical Education Activity/Skill Course (see curriculum chart)	1		
Gen*Ed TL, Technological Literacy	3		
Semester Credits	**17**	**Semester Credits**	**12**

Total Credits 120

B.S. in Mathematics and Education with Endorsements in Elementary and Teacher of Students with Disabilities (MA.EDEY.BS)

Code	Title	Credits
Major Requirements/Mathematics (43 credits)		
(Satisfies Mathematics in General Education)		
MA-120	Introduction to Mathematical Reasoning	4
MA-125	Calculus with Analytic Geometry I	4
MA-126	Calculus with Analytic Geometry II	4
MA-220	Probability and Statistics I	3
MA-221	Linear Algebra	3
MA-225	Calculus with Analytic Geometry III	4
MA-314	Number Theory	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
MA-317	Geometry	3
MA-325	History of Mathematics	3
(Satisfies Global Understanding (GU) in General Education)		
MA-410	Modern Algebra	3
MA-415	Real Analysis	3
Select 6 credits from Mathematics (MA) at the 300 or 400 level or above		6
Math Interdisciplinary Requirements (4 credits)		
MA-237	Programming and Technology in Mathematics	4
(Satisfies Technological Literacy (TL) in General Education)		
Major Requirements/Education (42 credits) [1]		
ED-250	Psychological and Philosophical Foundations of Education	3
EDS-330	Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
EDS-336	Classroom Management	3
ED-320	Teaching Emergent Multilinguals in an Inclusive Classroom	3
EDL-326	Literacy Instruction in P-6 Educational Settings I	3
EDL-327	Methods of Teaching Content Area Literacy in the Inclusive Elementary Setting: Language Arts & Social Studies	3
ED-360	Methods of Teaching Elementary Mathematics	3
ED-361	Methods of Teaching Science for Elementary School	3
EDS-338	Assessment Approaches, P-12	3
EDS-342	Instructional Methods and Materials for Students with Disabilities	3
EDS-350	Individualizing Curricula and Systematic Instruction for Special Education	3
ED-416 & 416S	Clinical Practice and Clinical Practice Seminar [2]	9
Free Electives (0 credits) [3]		
There are no free electives. [3]		0
General Education Requirements (33 credits) [4]		
Complete 33 credits as outlined on the General Education table. [4]		33
Total Credits		**122**

1 *Minimum grade of "C" required for Education courses.*
2 *Students must complete the appropriate test requirement(s) with a passing score PRIOR to Student Teaching.*
3 *Please consult with your advisor regarding the required number of free electives that must be completed.*
4 *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(p. 44) courses must be completed.*

Additional Endorsements Available

- MID-MA - Middle School Mathematics
- ESL - English as a Second Language - Elementary
- P-3 Early Childhood Endorsement

Notes

- 54 credits must be completed at the 200 level or higher.
- Education majors are required to have an overall GPA of 3.00 for State Certification
- By state regulation, all Education majors seeking content area endorsement must complete 30 content credits (12+ credits at the 300+ level).

Sequence Chart

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
MA-120 Introduction to Mathematical Reasoning (Gen*Ed Mathematics)	4	MA-126 Calculus with Analytic Geometry II	4
MA-125 Calculus with Analytic Geometry I	4	ED-250 Psychological and Philosophical Foundations of Education	3
Gen*Ed Historical Perspectives (HS.SV)	3	Gen*Ed Social Science Survey (SS.SV)	3
Gen*Ed Aesthetics (AT) AR, DA, MU, TH	3	FO-xxx Gen*Ed World Language	3
Semester Credits	**17**	**Semester Credits**	**16**

Second Year

Fall	Credits	Spring	Credits
MA-221 Linear Algebra	3	MA-220 Probability and Statistics I	3
MA-237 Programming and Technology in Mathematics (General Education Technological Literacy (TL)	4	MA-225 Calculus with Analytic Geometry III	4
ED-320 Teaching Emergent Multilinguals in an Inclusive Classroom (Gen*Ed Reasoned Oral Discourse (RD) and Writing Intensive (WT))	3	EDL-326 Literacy Instruction in P-6 Educational Settings I	3
Gen*Ed Natural Sciience (NS) BY, CE, PH, GL, SC	3	EDS-330 Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood (General Education Writing Intensive (WT)	3
General Education Literature (LIT)	3	BY, CE, GL, PH, SC General Education Natural Science (NS)	3
Semester Credits	**16**	**Semester Credits**	**16**

Third Year

Fall	Credits	Spring	Credits
ED-361 Methods of Teaching Science for Elementary School	3	MA-317 Geometry	3
EDS-336 Classroom Management	3	MA-410 Modern Algebra	3
MA-314 Number Theory	3	EDS-338 Assessment Approaches, P-12	3
MA-300+ Math Elective	3	EDS-350 Individualizing Curricula and Systematic Instruction for Special Education	3
Gen*Ed Historical Perspectives (HS.SV) or Social Science Survey (SS.SV)	3	MA-300+ Math Elective	3
Semester Credits	**15**	**Semester Credits**	**15**

Fourth Year

Fall	Credits	Spring	Credits
MA-415 Real Analysis	3	MA-325 History of Mathematics (Gen*ED Global Understanding (GU) and Writing Intensive (WT)	3
EDL-327 Methods of Teaching Content Area Literacy in the Inclusive Elementary Setting: Language Arts & Social Studies (General Education Writing Intensive (WT)	3	ED-416 Clinical Practice (Gen*Ed Experiential Education (ExEd))	8
ED-360 Methods of Teaching Elementary Mathematics	3	ED-416S Clinical Practice Seminar	1
PR-4xx Gen*Ed Interdisciplinary Perspectives (ISP)	3		
EDS-342 Instructional Methods and Materials for Students with Disabilities	3		
Semester Credits	**15**	**Semester Credits**	**12**

Total Credits 122

B.S. in Mathematics and Education with Endorsement in Secondary Education in Mathematics (MA.EDS.BS)

Code	Title	Credits
Major Requirements/Mathematics (43 credits)		
(Satisfies Mathematics in General Education)		
MA-120	Introduction to Mathematical Reasoning	4
MA-125	Calculus with Analytic Geometry I	4
MA-126	Calculus with Analytic Geometry II	4
MA-220	Probability and Statistics I	3
MA-221	Linear Algebra	3
MA-225	Calculus with Analytic Geometry III	4
MA-314	Number Theory	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
MA-317	Geometry	3
MA-325	History of Mathematics	3
(Satisfies Global Understanding (GU) in General Education)		
MA-410	Modern Algebra	3
MA-415	Real Analysis	3
Select 6 credits from Mathematics (MA) at the 300 and 400 level or above		6
MA Interdisciplinary Requirements (4 credits)		
MA-237	Programming and Technology in Mathematics	4
(Satisfies Technological Literacy (TL) in General Education)		
Major Requirements/Education (24 credits) [1]		
ED-250	Psychological and Philosophical Foundations of Education	3
EDS-330	Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
EDS-336	Classroom Management	3
ED-319	Content Literacy and Assessment	3
ED-320	Teaching Emergent Multilinguals in an Inclusive Classroom	3
ED-416 & 416S	Clinical Practice and Clinical Practice Seminar [2]	9
Education Methods Requirements (6 credits) [1]		
ED-315	Digital Media and Instructional Technology Skills for Teachers	3
ED-365	Methods of Teaching Mathematics at the Secondary Level	3
Free Electives (10 credits) [3]		
Complete 10 credits of free electives [3]		10
General Education Requirements (33 credits) [4]		
Complete 30 credits as outlined on the General Education table. [4]		33
Total Credits		**120**

[1] *Minimum grade of "C" required for Education courses*
[2] *Students must complete the appropriate test requirement(s) with a passing score PRIOR to Clinical Practice.*
[3] *Please consult with your advisor regarding the required number of free electives that must be completed.*
[4] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(p. 44) courses must be completed.*

Additional Endorsements Available

- TSD - Teacher of Student with Disabilities - Secondary
- ESL - English as a Second Language - Secondary

Notes

- 54 credits must be completed at the 200 level or higher.
- Education majors are required to have an overall GPA of 3.00 for State Certification.
- By state regulation, all Education majors seeking content area endorsement must complete 30 content credits (12+ credits at the 300+ level).

First Year			
Fall	**Credits**	**Spring**	**Credits**
MA-120 Introduction to Mathematical Reasoning (Gen*Ed Mathematics)	4	ED-250 Psychological and Philosophical Foundations of Education	3
MA-125 Calculus with Analytic Geometry I	4	MA-126 Calculus with Analytic Geometry II	4
EN-101 College Composition I	3	EN-102 College Composition II	3
Gen*Ed Historical Perspectives (HS.SV)	3	Gen*Ed Social Science Survey (SS.SV)	3
Gen*Ed Aesthetics (AT) AR,DA,MU, TH	3	FO-xxx Gen*Ed World Language	3
Semester Credits	**17**	**Semester Credits**	**16**
Second Year			
Fall	**Credits**	**Spring**	**Credits**
ED-320 Teaching Emergent Multilinguals in an Inclusive Classroom (Gen*Ed Reasoned Oral Discourse (RD) and Writing Intensive (WT	3	MA-225 Calculus with Analytic Geometry III	4
MA-221 Linear Algebra	3	MA-220 Probability and Statistics I	3
MA-237 Programming and Technology in Mathematics (Gen*Ed Technological Literacy (TL	4	EDS-330 Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood (Gen*Ed Writing Intensive	3
EN-2xx Gen*Ed LLiterature (ILIT)	3	Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL	3
Gen*Ed Natural Science (NS) BY,CE.PH,SC,GL	3	Free Elective	3
Semester Credits	**16**	**Semester Credits**	**16**
Third Year			
Fall	**Credits**	**Spring**	**Credits**
EDS-336 Classroom Management	3	ED-319 Content Literacy and Assessment (Gen*Ed WT)	3
MA-314 Number Theory	3	MA-317 Geometry	3
Gen*Ed Historical Perspectives (HS.SV) or Social Science Survey (SS.SV)	3	MA-410 Modern Algebra	3
Free Elective	3	Free Electives	3
Free Elective	1	Math Elective (300- or 400-level)	3
Math Elective (300-or 400-level)	3		
Semester Credits	**16**	**Semester Credits**	**15**
Fourth Year			
Fall	**Credits**	**Spring**	**Credits**
MA-415 Real Analysis (Gen*Ed WT)	3	MA-325 History of Mathematics (Gen Ed GU & WT)	3
Gen*Ed Interdisiplinary Perspectives (ISP)	3	ED-416 Clinical Practice (Gen*Ed EX)	8
ED-315 Digital Media and Instructional Technology Skills for Teachers	3	ED-416S Clinical Practice Seminar	1
ED-365 Methods of Teaching Mathematics at the Secondary Level	3		
Semester Credits	**12**	**Semester Credits**	**12**

Total Credits 120

Early Childhood - P-3 Elementary Endorsement (ELE.P3)

Code	Title	Credits
Requirements (12 credits) [1, 2]		
EDL-280	Introduction to Early Childhood Education	3
EDL-326	Literacy Instruction in P-6 Educational Settings I	3
EDL-333	Family Partnerships in Early Childhood Settings	3
EDL-364	Early Childhood Capstone Research Seminar	3
Total Credits		**12**

[1] *Minimum Grade of "C" required for Education Courses*
[2] *Students must complete the appropriate test requirement(s) with a passing score PRIOR to Clinical Practice.*

Notes

- Can only be combined with students following a content major coupled with Education with Endorsement in Elementary Education

English as a Second Language (ESL) K-12 Endorsement (K12.ESL)

Code	Title	Credits
Requirements (12 credits) [1, 2, 3]		
ED-320	Teaching Emergent Multilinguals in an Inclusive Classroom	3
ED-327	Theories and Practice of ESL Instruction Part I	3
ED-328	Theories and Practice of ESL Instruction Part II	3
EN-442	Language and Linguistics	3
or ED-336	Applied Linguistics for the Language Educator	
Total Credits		**12**

[1] *Minimum Grade of "C" required for Education Courses*

[2] *Students must complete the appropriate test requirement(s) with a passing score PRIOR to Student Teaching.*
[3] *ED-319 Content Literacy and Assessment (3 cr.) and ED-320 Teaching Emergent Multilinguals in an Inclusive Classroom (3 cr.) are also required and fulfilled in Education Major Requirements*

Notes

- Can only be combined with students following a content major coupled with Education with Endorsement in K12 Education.

English as a Second Language (ESL) Secondary Endorsement (EDS.ESL)

Code	Title	Credits
Requirements (12 credits) [1, 2, 3]		
ED-320	Teaching Emergent Multilinguals in an Inclusive Classroom	3
ED-327	Theories and Practice of ESL Instruction Part I	3
ED-328	Theories and Practice of ESL Instruction Part II	3
EN-442	Language and Linguistics	3
or ED-336	Applied Linguistics for the Language Educator	
Total Credits		**12**

[1] *Minimum Grade of "C" required for Education Courses.*
[2] *Students must complete the appropriate test requirement(s) with a passing score PRIOR to Student Teaching.*
[3] *ED-319 Content Literacy and Assessment (3 cr.) and ED-320 Teaching Emergent Multilinguals in an Inclusive Classroom (3 cr.) are also required and fulfilled in Education Major Requirements.*

Notes

- Can only be combined with students following a content major coupled with Education with Endorsement in Secondary Education.

English as a Second Language (ESL) Elementary Endorsement (ELE.ESL)

Code	Title	Credits
Requirements (12 credits) [1, 2, 3]		
ED-320	Teaching Emergent Multilinguals in an Inclusive Classroom	3
ED-327	Theories and Practice of ESL Instruction Part I	3
ED-328	Theories and Practice of ESL Instruction Part II	3
EN-442	Language and Linguistics	3
or ED-336	Applied Linguistics for the Language Educator	
Total Credits		**12**

[1] *Minimum Grade of "C" required for Education Courses.*
[2] *Students must complete the appropriate test requirement(s) with a passing score PRIOR to Student Teaching.*
[3] *ED-320 Teaching Emergent Multilinguals in an Inclusive Classroom (3 cr.) and EDL-327 Methods of Teaching Content Area Literacy in the Inclusive Elementary Setting: Language Arts & Social Studies (3 cr.) are also required and fulfilled in Education Major Requirements.*

Notes

- Can only be combined with students following a content major coupled with Education with Endorsement in Elementary Education

Middle School Endorsements for Elementary Education Programs (MID.(EN,SS,SCI,or MA))

Middle School English Endorsement

Code	Title	Credits
Requirements (6 credits) [1, 2]		
ED-380	Middle Level Learning and Teaching	3
ED-367	Methods of Teaching English at the Secondary Level	3
Fufilled in the Education Program:		0
EDS-330	Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	
Total Credits		**6**

[1] *Minimum Grade of "C" required for Education Courses*
[2] *Students must complete the appropriate test requirement(s) with a passing score PRIOR to Student Teaching.*

Notes

- Can only be combined with students following an English or English/Creative Writing content major coupled with Education with Endorsement in Elementary Education.

Middle School Social Studies Endorsement

Code	Title	Credits
Requirements (6 credits) [1, 2]		
ED-380	Middle Level Learning and Teaching	3
ED-371	Methods of Teaching Social Studies at the Secondary Level	3
Fulfilled in the Education program:		0
EDS-330	Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	
Total Credits		**6**

[1] *Minimum Grade of "C" required for Education Courses*
[2] *Students must complete the appropriate test requirement(s) with a passing score PRIOR to Student Teaching.*

Notes

- Can only be combined with students following an Anthropology, History; History/Political Science; or Political Science content major coupled with Education with Endorsement in Elementary Education

Middle School Science Endorsement

Code	Title	Credits
Requirements (6 credits) [1, 2]		
ED-380	Middle Level Learning and Teaching	3
ED-369	Methods of Teaching Science at the Secondary Level	3
Fulfilled in the Education Program:		0
EDS-330	Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	
Total Credits		**6**

1 *Minimum Grade of "C" required for Education Courses*
2 *Students must complete the appropriate test requirement(s) with a passing score PRIOR to Student Teaching.*

Notes

- Can only be combined with students following a Biology content major coupled with Education with Endorsement in Elementary Education

Middle School Math Endorsement

Code	Title	Credits
Requirements (6 credits) [1, 2]		
ED-380	Middle Level Learning and Teaching	3
ED-365	Methods of Teaching Mathematics at the Secondary Level	3
Fulfilled in Education Program:		0
EDS-330	Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	
Total Credits		**6**

1 *Minimum Grade of "C" required for Education Courses*
2 *Students must complete the appropriate test requirement(s) with a passing score PRIOR to Student Teaching.*

Notes

- Can only be combined with students following a Math content major coupled with Education with Endorsement in Elementary Education

Teacher of Students with Disabilities (TSD) Elementary Endorsement (ELE.TSD)

Code	Title	Credits
Requirements (12 credits) [1, 2, 3]		
EDS-332	Family/School/Community Partnerships and Resources, P-12	3
EDS-338	Assessment Approaches, P-12	3
EDS-350	Individualizing Curricula and Systematic Instruction for Special Education	3
EDS-352	Curricula, Methods, and Materials for Learners with Difficulties	3
Total Credits		**12**

1 *Minimum Grade of "C" required for Education Courses*
2 *Students must complete the appropriate test requirement(s) with a passing score PRIOR to Student Teaching.*
3 *ED-320 Teaching Emergent Multilinguals in an Inclusive Classroom (3 cr.), EDL-326 Literacy Instruction in P-6 Educational Settings I, EDL-327 Methods of Teaching Content Area Literacy in the Inclusive Elementary Setting: Language Arts & Social Studies (3 cr.), EDS-330 Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood (3 cr.), and EDS-336 Classroom Management (3 cr.)are also required and fulfilled in Education Major Requirements*

Notes

- Can only be combined with students following a content major coupled with Education with Endorsement in Elementary Education

Teacher of Students with Disabilities (TSD) K-12 Endorsement (K12.TSD)

Code	Title	Credits
Requirements (12 credits) [1, 2, 3]		
EDS-332	Family/School/Community Partnerships and Resources, P-12	3
EDS-338	Assessment Approaches, P-12	3
EDS-350	Individualizing Curricula and Systematic Instruction for Special Education	3
EDS-342	Instructional Methods and Materials for Students with Disabilities	3
Total Credits		**12**

1 *Minimum Grade of "C" required for Education Courses*
2 *Students must complete the appropriate test requirement(s) with a passing score PRIOR to Clinical Practice.*
3 *ED-319 Content Literacy and Assessment (3 cr.), EDS-330 Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood (3 cr.), EDS-336 Classroom Management (3 cr.), and ED-320 Teaching Emergent Multilinguals in an Inclusive Classroom (3 cr.) are also required and fulfilled in Education Major Requirements*

Notes

- Can only be combined with students following a content major coupled with Education with Endorsement in K12 Education

Teacher of Students with Disabilities (TSD) Secondary Endorsement (EDS.TSD)

Code	Title	Credits
Requirements (12 credits) [1, 2, 3]		
EDS-338	Assessment Approaches, P-12	3
EDS-332	Family/School/Community Partnerships and Resources, P-12	3
EDS-342	Instructional Methods and Materials for Students with Disabilities	3
EDS-350	Individualizing Curricula and Systematic Instruction for Special Education	3
Total Credits		**12**

[1] *Minimum Grade of "C" required for Education Courses*
[2] *Students must complete the appropriate test requirement(s) with a passing score PRIOR to Clinical Practice.*
[3] *ED-319 Content Literacy and Assessment (3 cr.), ED-320 Teaching Emergent Multilinguals in an Inclusive Classroom (3 cr.), EDS-330 Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood (3 cr.), and EDS-336 Classroom Management (3 cr.)are also required and fulfilled in Education Major Requirements*

Notes

- Can only be combined with students following a content major coupled with Education with Endorsement in Secondary Education

Educational Counseling and Leadership

Faculty

Stephanie Bobbitt, Assistant Professor (Graduate Faculty). B.S., S.U.N.Y. College of Environment Science and Forestry; M.S., The College of Saint Rose; Ph.D., Western Michigan University.
sbobbitt@monmouth.edu

William George, Assistant Professor and Ed.D. Program Director (Graduate Faculty). B.S., Michigan State University; M.A., Ohio State University; M.S., Monmouth University; Ed.D., Seton Hall University.
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Tina Paone, Professor (Graduate Faculty). B.A., University of Tampa; M.A., Ph.D., University of Nevada, Reno. Areas of professional interest include school counseling, goup counseling, diversity, and play therapy.
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Alyson Pompeo-Fargnoli, Associate Professor (Graduate Faculty). B.A., M.A., The College of New Jersey; Ph.D., Montclair State University. Areas of professional interest include college and wellness counseling, secondary to post secondary partnerships, and diversity and social justice initiatives.
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Nicole Pacheco Pulliam, Associate Professor (Graduate Faculty). B.A., Ramapo College of New Jersey; M.A., Ph.D., Montclair State University. Professor interests include college student devleopment, first generation college students, and career development.
npulliam@monmouth.edu

Vernon Smith, Associate Professor, Chair, and M.S.Ed. School Counseling Program Director (Graduate Faculty). B.A., Judson College; M.S., Northern Illinois University; Ph.D., University of South Florida. Research centers around empowering young Black males. He has presented scholarly papers at international, national, state and local conferences on topics such as: parent involvement factors from the perspectives of academically successful Black male college students; exploring best practices for effectively serving and retaining African American college students impacted by trauma; student retention; family influence on student development; and the impact of cultural trauma on African Americans.
vsmith@monmouth.edu

Courses

EDL-398 Special Topics in Educational Leadership **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
An intensive study of a particular subject or problem in education to be announced prior to registration. The course may be conducted on either a lecture-discussion or a seminar basis. A minimum G.P.A. of 3.00 is required to take this course. If a prerequisite is required it will be announced in the course schedule.

EDL-499 Independent Study in Educational Leadership **Credits: 1-3**
Course Type(s): None
Independent research in educational leadership in an area not substantially treated in a regular course offering under the supervision of an Educational Leadership faculty member; written evaluation of the research is required. For students with superior ability. Prior permission of the directing professor and department chair is required to take this course. Application must be filed before registration.

Special Education

Interim Chair: Ai Kamei, Department of Special Education
Graduate Program Director: Carol McArthur-Amedeo

The programs in teacher preparation, link research and practice by ensuring candidates have the opportunity to work with students, teachers, and school leaders in a wide range of local school, university, and community settings. They are designed to instill a commitment to lifelong learning. Undergraduate and graduate teacher education candidates must complete an approved content area major (e.g., Art, Biology, English, Spanish, History, Mathematics) or equivalent to be recommended for the Early Childhood, Elementary, or Content Teaching Credential in New Jersey.

Faculty

Danielle Frith, Specialist Professor. B.S., Monmouth University; M.A., Rider University; ABD, Temple University.
dfrith@monmouth.edu

Wendy Harriott, Associate Professor (Graduate Faculty). Interim Dean, School of Education. B.S., Bloomsburg University; M.S., Marywood College; Ph.D., Pennsylvania State University. Professional

interests include special education, behavior management, and inclusive education.
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Mary Haspel, Assistant Professor. B.A., M.A., The Catholic University of America; Ph.D., West Virginia University. Applied Behavior Analysis, Autism, education policy.
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Ai Kamei, Associate Professor and Interim Chair (Graduate Faculty). B.A., M.S., Osaka Kyoiku University, Japan; Ph.D., The University of North Carolina at Greensboro.
akamei@monmouth.edu

Stacy Lauderdale-Littin, Associate Professor (Graduate Faculty). B.S., Clemson University; M.A., California State University, Northridge; Ph.D., BCBA-D, University of California, Riverside. Professional interests include autism spectrum disorders (ASD), teacher implementation of evidence-based practices for students with ASD, and student-teacher relationships.
slauderd@monmouth.edu

Kathryn Lubniewski, Associate Professor. B.S., M.A., Ed.D., West Virginia University. Professional interests include collaboration, differentiated instruction, and technology as it relates to special education.
kservili@monmouth.edu

Carol McArthur-Amedeo, Senior Lecturer, Assistant Department Chair and M.S.Ed. Special Education Program Director. M.A., Fairleigh Dickinson University; Ed.D., Rutgers University. Professional interests include teacher retention in special education, science education, and students with emotional and behavioral disabilities.
cmcarthu@monmouth.edu

Courses

EDS-330 Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood Credits: 3
Prerequisite(s): EN-101 and EN-102 and ED-250, pass ED-PRETEST, and a minimum G.P.A. of 3.00
Course Type(s): WT
Philosophical, historical, and legal foundations of special education. The Council of Exceptional Children (CEC) Code of Ethics and Standards for Practice are studied. Exploration of the similarities and differences among the cognitive, physical, cultural, social, and emotional needs of individuals with disabilities across the lifespan, including adolescent concerns and transition to adulthood. Examination of the educational implications of characteristics of various exceptionalities such as Autism Spectrum Disorders (ASD), Specific Learning Disabilities (SLD), ADHD, intellectual & developmental disabilities, emotional disabilities, and orthopedic impairment. Educational implications for learners from diverse cultures and second language learners will also be addressed through discussions on family characteristics and family systems theory. An overview of a continuum of service delivery models will be explored with implications for various learners. Education majors only. Clinical hours required.

EDS-332 Family/School/Community Partnerships and Resources, P-12 Credits: 3
Prerequisite(s): ED-250 and EDS-330;
Term Offered: All Terms
Course Type(s): None
Focus on the legal and historical perspectives of family involvement in special education. Family systems theory and parent-professional partnerships in decision making are included for all learners, P-12. Identifying appropriate community resources for persons with and without disabilities and their families and strategies for transition and career planning are addressed. Education majors only. A minimum GPA of 3.00 is required to take this course.

EDS-336 Classroom Management Credits: 3
Prerequisite(s): EDS-330 and a minimum G.P.A. of 3.00
Term Offered: All Terms
Course Type(s): None
The study and application of various theories of behavior management for students with and without disabilities. Practical application of theories for classrooms are included. Addressing social competence skills and facilitating positive interpersonal relationships in classrooms are discussed. Clinical Experience hours required. Education majors only.

EDS-337 Special Education Strategies in P-6 Social Studies and Content Instruction Credits: 3
Prerequisite(s): EDS-330, EDS-336, EDS-338 and EDS-350
Term Offered: All Terms
Course Type(s): None
Course content includes the development of educational programs and applications of social studies and content area curricula, methods, and materials appropriate for the strengths and needs of all students, including those with disabilities, in inclusive settings in P-6 schools. Course content will emphasize national and state standards for social studies education, cross-curriculum integration, particularly world languages and culture, personal and social problem solving, and situated cognition in social studies education learning. The essential elements of planning, instruction using technology, and assessment based on research and data are explored to teach students, including those with disabilities. Focus on identifying and creating adaptations to support students with difficulty learning in inclusive classrooms. Education majors only. A minimum GPA of 3.0 is required to take this course. Clinical hours required.

EDS-338 Assessment Approaches, P-12 Credits: 3
Prerequisite(s): EDS-330 and a minimum G.P.A. of 3.00
Term Offered: All Terms
Course Type(s): None
An introduction to the use of assessment in making decisions about instructional grouping, exceptionality, eligibility, and educational programming. Students in this course will learn about ethical standards for professional practice and standardized and teacher-developed assessment procedures. Practice is provided in using assessment data to make decisions about placement in a curriculum, pupil progress, appropriate measurable long-term goals and short-term instructional objectives, and selection of instructional strategies. The importance of parent participation in decision-making is included. Use of formal and informal assessment strategies are included. Education majors only.

EDS-342 Instructional Methods and Materials for Students with Disabilities **Credits: 3**
Prerequisite(s): EDS-330, EDS-336, EDS-338, and a minimum G.P.A. of 3.00
Term Offered: Spring Term
Course Type(s): None
Study and application of research-based methods, curriculum, and materials for students with disabilities. Focus on identifying and creating accommodations and modifications to meet the needs of all students in special education and inclusive settings. Includes pedagogy that is applicable to teaching literacy to struggling readers and students with disabilities, including literacy in the content areas. Clinical hours required. Education majors only.

EDS-350 Individualizing Curricula and Systematic Instruction for Special Education **Credits: 3**
Prerequisite(s): EDS-330 and a minimum G.P.A. of 3.00
Term Offered: All Terms
Course Type(s): None
The development and application of research-based, effective teaching techniques, necessary adaptations, and supports to meet the learning needs of exceptional students, prescriptive models for intervention, and ways of observing, recording, and responding to behaviors. Clinical Experience hours required. Education majors only.

EDS-352 Curricula, Methods, and Materials for Learners with Difficulties **Credits: 3**
Prerequisite(s): EDS-330, EDS-336, EDS-338 and a minimum G.P.A. of 3.00
Term Offered: All Terms
Course Type(s): None
The development of educational programs and applications of curricula, methods, and materials appropriate for the strengths and needs of all students with disabilities and/or difficulties in special education and inclusive settings. Focus on identifying and creating adaptations to support students with difficulty learning in classrooms. Clinical Hours required. Education majors only.

EDS-398 Special Topics in Special Education **Credits: 1-3**
Course Type(s): None
An intensive study of a particular subject or problem in education to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. A minimum G.P.A. of 3.00 is required to take this course. If a prerequisite is required it will be announced in the course schedule.

EDS-399 Independent Study in Special Education **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Independent study in special education in an area not substantially treated in a regular course offering under the supervision of a special education faculty member; written evaluation of the research is required. For students with superior ability. Students must have a minimum G.P.A. of 2.75 to take this course, along with prior permission of the directing professor and department chair.

EDS-499 Independent Study in Special Education **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Independent research in education in an area not substantially treated in a regular course offering under the supervision of an Education faculty member; written evaluation of the research is required. For students with superior ability. Prior permission of the directing professor and department chair is required to take this course. Application must be filed before registration.

Speech-Language Pathology

Chair: Patrick Walden, Department of Speech-Language Pathology

Students with a bachelor's degree in a discipline other than Speech-Language Pathology or Communication Sciences and Disorders will be required to complete eighteen credits of prerequisite course work. Comparable courses taken at another institution with a grade of B or better may be accepted.

Monmouth University's required prerequisite courses can be reviewed on the Communication Sciences and Disorders minor, which is accessible from the programs tab.

Programs

Minor

- Communication Sciences and Disorders (p. 368)

Faculty

Ashley McCarthy, Specialist Professor. B.S., Richard Stockton University; M.S., Seton Hall University.
amccarth@monmouth.edu

Erik Raj, Associate Professor (Graduate Faculty). B.S., Stockton University; M.S., Misericordia University; Ph.D., Wayne State University. Research interests include stuttering and clinical applications.
eraj@monmouth.edu

Patrick Walden, Associate Professor and Chair (Graduate Faculty). B.A., Florida State University; M.A., New Mexico State University; EDS, Ph.D., Florida Atlantic University.

Courses

SLP-201 Introduction to Communication Sciences and Disorders **Credits: 3**
Term Offered: All Terms
Course Type(s): HE.EL
Provides an overview to the fields of speech-language pathology, audiology, and education of the hearing impaired. Will provide information regarding the nature, etiology, symptom, and remediation of organic and neurogenic disorders of speech, language, and hearing. Additionally, this course will provide an overview of various speech, language, and hearing disorders: the factors related to the causes and severity of these disorders and roles of professionals associated with the diagnosis and severity of these disorders and roles of professionals associated with the diagnosis and treatment, specifically speech-language pathologists and audiologists.

SLP-202 Introduction to Language Development **Credits: 3**
Term Offered: All Terms
Course Type(s): HE.EL, OL
Provides an overview of the development of language over the course of the lifespan. An introduction to the normal acquisition of language including the components of language, as well as the physical, social, and cognitive basis for language. Theories of language development and how language evolves from infancy to adulthood will be discussed. Cultural influences on language development will also be explored.

SLP-298 Special Topics in Speech-Language Pathology Credits: 3
Course Type(s): None
An intensive study of a particular subject or problem in Speech, Language and Pathology to be announced prior to registration. The course may be conducted on either a lecture-discussion or a seminar basis. A minimum G.P.A. of 3.00 is required to take this course. If a prerequisite is required it will be announced in the course schedule.

SLP-301 Introduction to Phonetics Credits: 3
Prerequisite(s): SLP-201
Term Offered: All Terms
Course Type(s): OL
Provides students with the skills needed to produce, transcribe and describe in articulatory terms, the individual sounds used in speech. Will provide an introduction to sound patterns, phonetic transcriptions using the International Phonetic-Alphabet, acoustic aspects of phonetics and the application of these skills to clinical practice. Dialects and derivations of the English language will be explored.

SLP-302 Anatomy and Physiology of Speech and Hearing Credits: 3
Prerequisite(s): SLP-201
Term Offered: All Terms
Course Type(s): OL
Provides an understanding of the anatomical structures, as well as the physiological and functional mechanisms essential for speech production. Specifically, the anatomy and physiology of respiration, phonation, articulation, resonation, and hearing will be covered in depth.

SLP-303 Neurological Bases of Speech and Language Credits: 3
Prerequisite(s): SLP-201
Term Offered: Spring Term
Course Type(s): OL
Students will learn the neuroanatomical and neurophysiological underpinnings of speech, language and hearing and will study how the nervous system controls communication. Additionally, the course will examine the cranial nerves and the circuits underlying sensory perception, motor action, and cognition as they relate to speech production and hearing.

SLP-304 Observation Skills in Speech, Language, and Hearing Disorders Credits: 1
Prerequisite(s): SLP-201
Term Offered: All Terms
Course Type(s): OL
Provides students the opportunity to learn clinical and professional knowledge and skills through direct, guided observation of speech-language pathology practice. Prerequisite: SLP-201

SLP-389 Internship in Speech, Language and Pathology Credits: 1-3
Term Offered: Spring Term
Course Type(s): EX1
Supervised practical experience in Speech, Language and Pathology; repeatable for credit. Departmental approval and Junior standing is required to take this course.

SLP-401 Speech and Hearing Science Credits: 3
Prerequisite(s): SLP-301 and SLP-302
Term Offered: All Terms
Course Type(s): OL
Studies the nature of sound, sound transmission, and units of measurement necessary to understand the physiologic, acoustic, and perceptual parameters of speech. Acoustics, speech production, and speech perception will be emphasized.

SLP-402 Introduction to Audiology Credits: 3
Prerequisite(s): SLP-302
Term Offered: All Terms
Course Type(s): OL
An introduction to the field of audiology. Designed to acquaint students with topics regarding the anatomy and physiology of normal and abnormal hearing, basic concepts in pure-tone air and bone conduction audiometry, speech audiometry, interpretation of audiograms, immittance procedures, and basic management of the hearing loss of the hearing-impaired client.

SLP-498 Special Topics in Speech-Language Pathology Credits: 3
Course Type(s): None
An intensive study of a particular subject or problem in educational leadership to be announced prior to registration. If a prerequisite is required it will be announced in the course schedule.

Minor in Communication Sciences and Disorders (MIN.SLP)

Code	Title	Credits
Requirements (18 credits)		
SLP-201	Introduction to Communication Sciences and Disorders	3
SLP-202	Introduction to Language Development	3
SLP-301	Introduction to Phonetics	3
SLP-302	Anatomy and Physiology of Speech and Hearing	3
SLP-401	Speech and Hearing Science	3
SLP-402	Introduction to Audiology	3
Total Credits		**18**

THE MARJORIE K. UNTERBERG SCHOOL OF NURSING AND HEALTH STUDIES

Acting Dean: Shannon Clifford, Ph.D.

The Marjorie K. Unterberg School of Nursing and Health Studies was established in 1998, having served as a Department of Nursing since 1981. The School of Nursing and Health Studies reflects in its philosophy the mission of Monmouth University: to provide a learning process and environment that enables students to realize their full potential and enhance the quality of life for individuals, families, groups, and the community; and to provide high-quality baccalaureate and graduate education programs to a diverse student population for development of potential leaders in nursing and health professions. Graduates are committed to lifelong service to their chosen profession and prepared to enhance the quality of life for diverse populations in a global and increasingly interdependent society.

The baccalaureate degree in nursing prepares a generalist and is the basis for graduate study and continuing education. Professional nursing education focuses on the development of an accountable practitioner and responsible citizen. Professional nurses need knowledge of the liberal arts and sciences in order to understand the interrelating factors that influence the health of individuals and society. This knowledge facilitates their special obligation to promote a healthy environment for all persons and enriches the conceptual base that supports development of critical thinking and ethical decision-making skills.

Nursing is a learned profession with a unique body of knowledge. Nursing is both a science based on scholarly inquiry and an art that reflects specific skilled and complex human interactions. The breadth of professional nursing knowledge and skills can only be attained within higher education. Professional nurses require the capacity to modify their roles and responsibilities as healthcare continues to change. Baccalaureate education provide students with knowledge of nursing science, enabling them to develop their personal philosophy and framework for practice. This framework encompasses an understanding of the past, present, and emerging roles of the professional nurse. Baccalaureate graduates obtain entry-level positions and are eligible for licensure as registered nurses.

The baccalaureate degree in health studies focuses on developing professionals who will promote health and prevent disease across diverse areas in medical, community, nonprofit, corporate, and government settings. The focus on the sciences makes this major a good fit for students pursuing careers pathways and advanced education as healthcare professionals.

The baccalaureate degree in health promotion prepares students for careers in coaching, athletic training, and fitness training, as well as graduate or professional schools for physical therapy, exercise science and other similar professions. The health and physical education baccalaureate dual major K-12 education endorsement offers core health studies and physical education for those students interested in obtaining a K–12 teaching certification. The curriculum content is aligned with both the State of New Jersey certification requirements and the National Council for the Accreditation of Teacher Education (NCATE).

Education for nursing and the health professions is idealistic and future-oriented yet sufficiently realistic to provide students with an opportunity to develop justifiable confidence in their intellectual, clinical, and practical skills. This preparation can occur only within an environment that allows for individual differences and fosters personal integration, healthy self-esteem, vital social awareness, enjoyment of leisure, and a sense of commitment to the attitudes and values of the health professions.

Education is an active, ongoing process involving student-teacher collaboration and experiential activity. The teaching-learning process involves not only the teacher and the student, but also the social system within a framework of dynamic relationships that promotes the change and growth of individuals. It is recognized that students have the ultimate responsibility for their own learning and professional growth. Students are viewed as unique individuals with varying learning styles. Therefore, a variety of experiences and teaching strategies are to enhance the development of cognitive, affective, and psychomotor abilities within the student.

The school offers the following programs:

- a Bachelor of Science in Nursing program (BSN)
- a Bachelor of Science in Health Studies program (choose the Exercise Science or Health Science Cluster) for non-nursing majors;
- a Bachelor of Science in Health Studies/Physical Education program (choose the Fitness and Wellness or Public Health Cluster)
- a Bachelor of Science in Health Studies/Physical Education program with an Education Endorsement K-12;
- a Health Studies minor for non-nursing majors; and

The school offers an accelerated program:

- an accelerated, direct-entry Bachelor of Science in Health Studies/ Occupational Therapy Doctorate program (3+3)

Nursing Student Honor Society: Lambda Delta Chapter - Sigma Theta Tau, the International Nursing Honor Society

Health and Physical Education

Health Studies

The Health Studies (https://www.monmouth.edu/health-and-physical-education/hpe-majors-undergraduates/) program at Monmouth University is designed for students who wish to enhance their knowledge of health and prepare for careers in the exciting field of healthcare and health promotion. Courses engage students in analysis of current research, problem-solving, and valuable internships. The program enables students to develop the skills needed to positively impact lives through the application, evaluation, and creation of knowledge. Additionally, students develop an understanding of the link between new research in health science and the development of healthcare strategies and policies.

Graduates of the program are prepared to work with individuals, groups, and families in health organizations and services, corporate health programs, education, and at the local, state, federal, or international level. Students can further their education by pursuing graduate degrees in areas such as medicine, dentistry, physical therapy, health and physical education, healthcare administration, public health, and many others.

The mission of the Health Studies program is to increase students' knowledge in a variety of health disciplines by teaching students to: analyze the causes and means of preventing disease and illness while seeking optimal health, develop the responsibilities and competencies of effective health educators, and advocate for the health of others. The mission of the Health and Physical Education Department is to prepare students to be well-rounded, service-oriented community members and professionals in health/exercise sciences, health promotion, public health, and education.

Health Studies graduates have secured employment in various health-related organizations as well as acceptance to graduate schools in numerous health science disciplines. Health Studies students are prepared for graduate programs including: Exercise Science, Health Promotion/Public Health, Medicine, Occupational Therapy, Physical Therapy, Physician Assistant, and Speech Language Pathology. All students are encouraged to apply to sit for the Certified Health Education Specialist (https://www.nchec.org) (CHES) certification exam at the conclusion of their undergraduate curriculum. The School of Nursing and Health Studies Web site (https://www.monmouth.edu/school-of-nursing-health/careers-outcomes/) provides additional information regarding employment settings.

Student Health Honor Society: Epsilon Gamma Chapter – Eta Sigma Gamma (https://www.monmouth.edu/health-and-physical-education/eta-sigma-gamma/). (https://www.monmouth.edu/academics/hepe/ESG.asp) National Health Education Honor Society

Physical Education

Note: A maximum of four credits of physical education course work will be applied toward degree requirements for non-health physical education majors. Health/Physical Education and Health/Physical Education with an Endorsement in Education majors complete six (6) credits of physical education course work.

Programs

Majors

- B.S. in Health Promotion (p. 380)
- B.S. in Health Studies (p. 382)
- B.S. in Health and Physical Education with an Education Endorsement in K-12 (p. 379)

Minor

- Health Studies (p. 383)

Faculty

Staci Drewson, Associate Professor and Chair. B.A., Gonzaga University; M.S., Ph.D., Springfield College. Interests include teaching through physical activities, sport and end exercise psychology.
srandrew@monmouth.edu

Kiameesha Evans, Specialist Professor. B.A., Johns Hopkins University; M.A., University of Medicine and Dentistry, NJ; Master Certified Health Education Specialist (CHES). Research interests include health disparities, community-based research, coalition building/community development, and use of social media and emerging technologies to advance health education.
kevans@monmouth.edu

Andrea Hope, Associate Professor. B.S., Montclair State University; M.S., The American University; Ed.D., C.H.E.S., Teachers College, Columbia University. Specialty areas and interests include physical activity and nutrition, childhood obesity prevention, development of worksite health promotion programming, and women's health.
ahope@monmouth.edu

Maria Hrycenko, Lecturer. B.S., Rutgers University; D.C., Sherman College of Chiropractic, Spartanburg, South Carolina. Specialty area interests include health policy, alternative health, and ergonomics.
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Jeremy Lackman, Associate Professor. B.S., University of Central Missouri; M.S., Brooklyn College; (C.U.N.Y.); Ph.D., University of Georgia. Specialty areas include the media's portrayal of physical education teachers and urban physical education.
jlackman@monmouth.edu

Jaime Myers, Associate Professor. B.A., M.P.H., Emory University; Ph.D., University of South Florida. Specializes in psychosocial determinants of health using a public health perspective. Broadly interested in sexual health, women's health, applied statistics, and maternal and child health.
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Jamie Pigman, Assistant Professor. B.S., M.A., Montclair State University; Ph.D., University of Delaware. Specialty areas and interests include biomechanics, motor learning, exercise physiology and exercise prescription.
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Tamara Rial-Faigenbaum, Specialist Professor. B.S., M.S., Ph.D., University of Vigo, Spain
trialfai@monmouth.edu

Alexis Silverio, Specialist Professor. B.S., Cabrini University; M.P.A., Thomas Jefferson University; Ph.D., Concordia University
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Charles Whedon, Specialist Professor. B.S., Slippery Rock University; M.S., University of Kansas.
cwhedon@monmouth.edu

Courses

HE-100 Technology and Health Informatics **Credits: 3**
Term Offered: All Terms
Course Type(s): HE.EL, HEPE, TL
This course examines the history of healthcare informatics, current issues, basic informatics concepts and health information management systems. The use of technology to help make decisions and to improve the health status of the individual, family, and community is emphasized. Students will apply informatics concepts to a current clinical practice setting suggesting methods to use technology to improve patient safety and work effectiveness. The student will also learn to identify, gather, process, and manage information/data.

HE-101 Strategies for Healthy Living **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Factors influencing personal health; function of body cells and systems; lifestyle choices such as nutrition, exercise, alcohol, drug and tobacco use, sexuality, contraception, and sexually transmitted diseases; the U.S. health care system and those of other countries.

HE-150 Medical Terminology **Credits: 3**
Term Offered: All Terms
Course Type(s): HE.EL, HEPE, NU.EL
Introduction of medical terminology to those students who have an interest in a wide variety of health care services. Presents a study of basic medical terms, including prefixes, suffixes, word roots, special endings, plural forms, abbreviations, and has a special emphasis on spelling, definition, usage, and pronunciation for each body system. A programmed learning, word building system will be used to learn word parts that are used to construct and analyze new terms. The accurate use and understanding of medical terminology used in communications between health care professionals, clients, and other providers of care will be enhanced by taking this course.

HE-180 Introduction to Public Health **Credits: 3**
Term Offered: All Terms
Course Type(s): HE.EL, HEPE
This course is designed to provide an introduction to the field of public health. The history of the field as well as key philosophical perspectives are reviewed. It will address the core values of public health practice, and the role of public health agencies at the international, national, state and local levels. Determinants of health, public health initiatives, ethical practice and selected contemporary public health issues will be explored.

HE-198 Special Topics in Health Studies **Credits: 1-3**
Term Offered: Spring Term
Course Type(s): HE.EL, HEPE
An intensive study of a particular subject or problem in health studies to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

HE-199 Independent Study in Health Studies **Credits: 3**
Course Type(s): HE.EL, HEPE
Guided research and in-depth study of an area of health studies of particular interest to the student. Prior permission of the directing professor and department chair is required to take this course.

HE-200 Becoming a Home Health Aide **Credits: 4**
Term Offered: Spring Term
Course Type(s): HE.EL, NU.EL
Through classroom lecture, discussions, reading and laboratory practice the student will learn the 76-hour training program designed to meet the NJ requirements for the Certified Homemaker/Home Health Aide (HHA). After completion of this course the student will have the opportunity to sit for the state examination and become certified as a HHA. Once certified, the student will be able to gain employment as a certified HHA in numerous agencies and institutions in NJ.

HE-212 Lifespan Development and Health **Credits: 3**
Term Offered: All Terms
Course Type(s): HE.EL, RD
Health from conception through senescence using a developmental approach. Examines the factors that influence health at each stage of life, including the effect of environmental, biological, and genetic influences and common deviations from health. Using this approach, the student will investigate the effect of political and economic policies, education, epidemiology, health promotion, and illness prevention programs.

HE-225 Mind-Body Connection **Credits: 3**
Term Offered: Spring Term
Course Type(s): HE.EL
Focuses on the psychology of wellness and illness and the healing connections between the mind and body across diverse cultures. How stress is interpreted and expressed in different cultures will be explored. The healing practices and rituals of different faiths and cultural traditions will be explored.

HE-235 Human Aging **Credits: 3**
Term Offered: All Terms
Course Type(s): HE.EL, HEPE
Designed to provide an understanding of the major health problems, health promotion, and wellness concepts that affect older people. Offers an introduction to the physical and functional changes associated with human aging. Common illnesses that are often identified in older people will be discussed. In addition, factors will be presented that are believed to cause or influence the aging process, changes in physical function and quality of life.

HE-260 Substance Use and Abuse **Credits: 3**
Term Offered: All Terms
Course Type(s): HE.EL
Physical, psychological, and sociological aspects of addictive substances; legal and ethical concerns; alternative methods of dealing with stress in young adulthood; socially responsible behavior.

HE-275 Anthrozoology, Ethics, and Health **Credits: 3**
Course Type(s): HE.EL
Introduces students to the varied and complex ways in which animals contribute to human well-being and illness. Students will expand their understanding of the biological, social, psychological, environmental, occupational, spiritual, and cultural implications associated with the use of, and relationships with, animals. Students will critically examine cultural beliefs and practices that impact the well-being of humans, animals, and the planet.

HE-290 Health Research Methods **Credits: 3**
Prerequisite(s): EN-101 and EN-102
Co-requisite(s): MA-105 or MA-151
Term Offered: All Terms
Course Type(s): HE.EL, HEPE, HY, WT
Introduces students to the basic concepts in health sciences research. Students will gain an understanding of the rationale for conducting research, study designs, qualitative and quantitative inquiry, principles of instrumentation and measurement, data management and interpretation, and research proposal writing and presentation techniques. Students should be able to apply these concepts to evaluate research done by others.

HE-299 Independent Study in Health Studies **Credits: 3**
Course Type(s): HE.EL
Guided research and in-depth study of an area of health studies of particular interest to the student. Prior permission of the directing professor and department chair is required to take this course.

HE-315 Critical Research Appraisal **Credits: 3**
Prerequisite(s): MA-151 and HE-290
Term Offered: All Terms
Course Type(s): HE.EL, HEPE, HO
This course will introduce the student to key concepts of the critical appraisal of literature within health science and public health. The first section of the course reviews relevant research design and statistical issues that will be helpful in understanding an evidence-based approach to the literature. The second section of the course reviews basic principles of an evidence-based approach and introduces evidence-based issues related to diagnosis and prognosis. The third section of the course introduces evidence-based issues related to intervention. Throughout the course, material presented in lecture will be accentuated with "real-world" data from the literature and the instructor's ongoing research. In addition, the student will have the opportunity to apply an evidence-based approach to answering a scientific clinical research question.

HE-320 Principles of Health Education **Credits: 3**
Prerequisite(s): HE-101 and HE-290 or permission of the instructor
Term Offered: All Terms
Course Type(s): HE.EL, HEPE, RD
Examination of the principles and practices of health education for adults in the community, including program development and implementation, educational strategies, behavioral objectives, learner characteristics, and institutional assessment. Essential factors for teaching, learning, and motivating clients to make behavioral changes to promote health.

HE-324 Human Sexuality **Credits: 3**
Term Offered: All Terms
Course Type(s): GS, HE.EL, HEPE, NU.EL
Human Sexuality is an introductory course designed to help students reflect on their own personal experience, development, background, and value stance while becoming acquainted with research findings, current concepts, and diverse viewpoints about human sexuality. This information will focus on essential components of human sexuality and their relationship to human development. Social, cultural, and developmental determinants of sexual health will be examined. Content will include: anatomy, physiology, hormones, birth control, sexually transmitted infections, pregnancy/childbirth, sexual development, gender identity, sexual orientation, love, healthy relationships, sexual assault, sexual behavior/variation, and sexuality in media. Also listed as NU-324.

HE-330 Women's Health **Credits: 3**
Term Offered: All Terms
Course Type(s): BI.EL, CD, GS, HE.EL, HEPE
Health care needs and concerns of women from diverse cultures will be examined. This course explores the biological, psychosocial, and sociocultural issues that impact women throughout the lifespan. Topics include the history and status of women's health globally, gender-based violence, sexual and reproductive health, and lifestyle choices that impact health. Throughout the course we will explore the impact of culture, ethnicity, socioeconomic status, systems of oppression, and gender on a woman's ability to be physically, mentally, and emotionally healthy. Also listed as NU-330.

HE-340 Environmental Health Issues **Credits: 3**
Term Offered: All Terms
Course Type(s): BI.EL, GU, HE.EL, HEPE, SUS
A comprehensive study of current environmental, occupational health issues and associated health risks. Focus on the practical applications of assessing environmental, quality and occupational safety. Major topics include: population growth, water quality, use of pesticides, air pollution, food quality, and occupational health. Legal and regulatory issues also considered.

HE-350 Epidemiology **Credits: 3**
Prerequisite(s): HE-290 passed with a grade of C- or higher and MA-151, or permission of the instructor
Term Offered: All Terms
Course Type(s): HE.EL, HEPE
A study of the basic principles and methods of epidemiology. These include types of epidemiologic studies, choices in study design, measures of disease frequency and association, sources of bias, screening, and applications to public health. The course covers conceptual and practical issues in epidemiologic research and the interpretation of epidemiologic data.

HE-360 Transcultural Health **Credits: 3**
Term Offered: Spring Term
Course Type(s): BI.EL, CD, HE.EL, RE
This course focuses on beliefs and practices by individuals and groups from a variety of cultures. Emphasis is placed on cultural sensitivity, cultural diversity, and implications for health. Differences in cultural beliefs related to health, illness, and the impact on the delivery of healthcare will be examined.

HE-365 Wisdom, Wellness and Aging **Credits: 3**
Term Offered: All Terms
Course Type(s): CD, HE.EL, HEPE
Provides an understanding of the cross-cultural variations in the status of aging and health in older adults. Examples of various cultures include examining older adults from non-English speaking countries, such as North Korea, South Korea, Iran, Mexico, China, and Brazil. Examines factors that affect the economic, social, and health care decisions made by the older adults from these diverse populations as well as other nations. Topics to be covered include examinations of health implications on aging populations in non-English speaking countries. Compare countries, such as Japan, India, and Nigeria, to explore how their specific culture influences caregiving, social support networks, and community. Specific cultural views of love, intimacy, and sexuality in older adults will be examined. Also listed as NU-365.

HE-370 Alternative/Complementary Health Therapies Credits: 3
Term Offered: All Terms
Course Type(s): BI.EL, GU, HE.EL, HEPE
Cultural origins of Complementary Alternative Medical (CAM) therapies will be discussed. Perspectives of health and healing through co-mingling Eastern Traditional Complementary and Alternative Medicine (TCAM) therapies and Western biomedical practices into an integrative strategy will be examined. Appropriate therapies for health promotion and specific illness contexts, potential risks/benefits, ethical issues addressing treatment choices and global entities that employ CAM therapies will be discussed. There will be an emphasis on choosing CAM therapies that are supported by research as safe and effective. Knowledge of reliable sources of information on the Internet will improve decision making regarding therapies. Also listed as NU-370.

HE-375 Health in Developing Countries: A Cross-Cultural Perspective Credits: 3
Term Offered: All Terms
Course Type(s): BI.EL, GU, HE.EL, HEPE, SUS
Designed to introduce students to the concept of health as a cross-cultural issue. Students will examine their own health beliefs and practices and expand their understanding of health and health issues of the developing world. Contemporary health issues will be analyzed. Health care delivery systems in selected countries in Asia and Africa will be examined and compared to the American health care system. Students are expected to problem solve and postulate solutions to contemporary and emerging health issues. Also listed as NU-375.

HE-376 Guatemala Public Health Credits: 3
Term Offered: Spring Term
Course Type(s): CD, EX3, HE.EL, HEPE
Guatemala Public Health will introduce students to the concepts and practice of public health in a low and middle income country. Students will expand their understanding of health issues that exist in Guatemala and they will deliver a health education lesson to "Las Amigas", Guatemalans who are being trained to be community health care workers. The group will also work on a construction project during the work week. Students and faculty will fly to Guatemala City and travel to Chichicastenango and Antigua and several surrounding towns. This is a hybrid course that involves asynchronous on-line work. Permission of the instructor is required to take this course.

HE-380 Nutrition and Health Credits: 3
Term Offered: All Terms
Course Type(s): HE.EL
An introduction to the physiology of nutrition, basic concepts of normal nutrition and nutrition in chronic disease (such as diabetes mellitus, and cardiovascular disease and obesity) will be explored. A study of the basic nutrients and the gastrointestinal system in its role of digestion, absorption, and metabolism. Food needs of an individual throughout life (birth to old age) will be considered along with necessary dietary modifications caused by decreased activity. Food fads and fallacies will be discussed, as will factors to consider in choosing a healthy diet. Current concerns, such as how safe are the additives in our foods; the role of sugar, salt, and highly processed foods; and alternative therapies, such as herbal remedies and phytochemicals and their potential roles in modern nutrition will be studied. Weight management will be addressed as it relates to medical-nutrition therapy.

HE-389 Internship in Health and Physical Education Credits: 1-3
Term Offered: All Terms
Course Type(s): EX1, HE.EL, HEPE
Supervised, pre-professional field experience in health and physical education. The student will secure an internship site related to his/her interests and career goals. Potential internship sites include health and fitness clubs, community wellness agencies, coaching opportunities, hospitals, corporations, and private services. The student will work fifty hours per credit per term at his/her internship site. Students are required to obtain a faculty sponsor, develop learning objectives at the start of their internship, keep a journal of their internship activities throughout their placement, and write a final paper reflecting upon their internship experience. Also listed as PE-389. This is a pass/fail course. Departmental approval is required to take this course. Junior standing (and others by permission of a faculty advisor), placement opportunity and approval by the Health and Physical Education Department are required to take this course. Limited to Health majors.

HE-398 Special Topics in Health Education (300 Level) Credits: 1-3
Term Offered: All Terms
Course Type(s): HE.EL, HEPE
An intensive study of a particular subject or problem in health education to be announced prior to registration. If a prerequisite is required it will be announced in the course schedule.

HE-399 Independent Study in Health Credits: 1-3
Term Offered: All Terms
Course Type(s): HE.EL, HEPE
Guided research and in-depth study of an area of health of particular interest to the student. Prior permission of the directing professor and department chair is required to take this course.

HE-430 Health Advocacy Credits: 3
Prerequisite(s): HE-101 and HE-290, and Junior standing; or permission of the instructor
Term Offered: All Terms
Course Type(s): HE.EL, HEPE
Focus is on personal and peer health advocacy. Being healthy involves making decisions that are right for each individual and being part of a community that promotes healthy behaviors. Advocating for individual health requires that the student has the confidence, basic understanding of advocacy, resources, and skills to make proper health decisions. Foster student health advocacy as skills are taught while students grapple with personal and social questions that affect their overall health and the health of others. Put student-health promotion into the hands of the students. They will be required to create a health initiative. These initiatives will foster a healthier Monmouth University community.

HE-435 Community Health Credits: 3
Prerequisite(s): HE-101, HE-290, and Junior standing; or permission of the instructor
Term Offered: All Terms
Course Type(s): HE.EL, HEPE
Healthcare of groups and communities; this includes community and public health theories, epidemiology, health promotion, illness prevention, research, ethics, vulnerable populations, and common deviations from health.

HE-440 Health Policy **Credits: 3**
Prerequisite(s): EN-101, EN-102, HE-290 and Junior standing or permission of the instructor
Term Offered: All Terms
Course Type(s): HE.EL, HEPE, WT
Delves into the core elements that define health policy. Describes factors, such as the healthcare delivery systems (public/non-profits vs. private/for profits), access to care, healthcare financing, quality-of-care issues, and social issues, such as gender and culture, and their impact on health and healthcare. The dynamics of the policy-making process at different levels (federal, state and local) will be explored, along with policy analysis and how policy influences healthcare decisions. The complexities and challenges of healthcare reform will be identified. Also listed as NU-440.

HE-476 Interpersonal Violence **Credits: 3**
Term Offered: All Terms
Course Type(s): HE.EL, HEPE
Examines the various types and patterns of violence related to cultural values, beliefs, biases, and societal issues, as well as the historical perspectives of violence. Course content includes: family, community, youth, and workplace violence; child, domestic, elder, and sexual abuse. Theories concerning gender violence, gangs, bias and hate crimes, and terrorism are challenged. Public health and health care issues related to violence, and primary, secondary, and tertiary-level interventions for victims and offenders of violence are discussed. Individual responsibilities associated with identification and reporting violence are identified. Health care measures to identify and prevent violence are analyzed. Methods of treatment for victims and perpetrators of violence are evaluated. Also listed as NU-476.

HE-485 Professional Seminar in Health **Credits: 3**
Prerequisite(s): HE-101, HE-290, and Junior standing; or permission of the instructor
Term Offered: All Terms
Course Type(s): EX5, HE.EL, HEPE
Provides students with the experiential education requirement for the BS in Health Studies. Students will have a placement in a health setting where they will have the opportunity to work with a health professional and to apply what they have learned in class to the experiential setting. Weekly seminars will be designed to allow the students to share their experiences with their peers.

HE-489 Internship in Health and Physical Education **Credits: 1-3**
Term Offered: Summer Term
Course Type(s): EX1, HE.EL, HEPE
Supervised, pre-professional field experience in health and physical education. The student will secure an internship site related to his/her interests and career goals. Potential internship sites include health and fitness clubs, community wellness agencies, coaching opportunities, hospitals, corporations, and private services. The student will work fifty hours per credit per term at his/her internship site. Students are required to obtain a faculty sponsor, develop learning objectives at the start of their internship, keep a journal of their internship activities throughout their placement, and write a final paper reflecting upon their internship experience. This is a pass/fail course. Departmental approval is required to take this course. Junior standing (and others by permission of a faculty advisor), placement opportunity and approval by the Health and Physical Education Department are required to take this course. Limited to Health majors.

HE-498 Special Topics in Health **Credits: 3**
Course Type(s): HE.EL, HEPE
An intensive study of a particular subject or problem in health education to be announced prior to registration. If a prerequisite is required it will be announced in the course schedule.

HE-499 Independent Study in Health Studies **Credits: 1-3**
Term Offered: All Terms
Course Type(s): HE.EL, HEPE
Guided research and in-depth study of an area of health studies of particular interest to the student. Prior permission of the directing professor and department chair is required to take this course.

PE-103 Surfing **Credits: 1**
Term Offered: Summer Term
Course Type(s): OUTDR
Students will learn the basic skills, history, etiquette, and strategy of surfing. The main emphasis will be placed on skill acquisition with focus on specific movements and techniques important to surfing. The analysis of skills, etiquette, safety considerations, and strategy will be covered. This course is a physical activity skills course. Skills course: Outdoor Pursuits(Individual). This is a pass/fail course. To pass the course, students must earn the specified amount of points required in three evaluation categories: participation, performance assessment, and a teaching episode. Student must know how to swim and will be tested by the instruction on their swimming ability.

PE-104 Biking **Credits: 1**
Term Offered: Fall Term
Course Type(s): OUTDR
Students will learn the basic skills, safety, maintenance, and strategy for bike riding. The main emphasis will be placed on skill acquisition with focus on specific movements and techniques important to riding and maintaining a bike. The analysis of skills, rules, safety considerations, and strategy will be covered. This course is a physical activity skills course. Skills course: Outdoor Pursuits(Individual). This is a pass/fail course. To pass the course, students must earn the specified amount of points required in three evaluation categories: participation, performance assessment, and a teaching episode.

PE-105 Bowling **Credits: 1**
Term Offered: All Terms
Course Type(s): PERF
Students will learn the basic skills, history, rules and strategy for ten-pin bowling. The main emphasis will be placed on skill acquisition with focus on specific movements and techniques important to ten-pin bowling. The analysis of skills, rules, safety considerations, and strategy of play will be covered. This course is a physical activity skills course. Skills course: Individual-Performance Activities (individual). This is a pass/fail course. To pass the course, students must earn the specified amount of points required in three evaluation categories: participation, performance assessment, and a teaching episode.

PE-106 Target and Reaction Games **Credits: 1**
Term Offered: Spring Term
Course Type(s): OUTDR
Students will learn the basic skills, rules and strategies for a variety of target and reaction games. The course will help students develop skills and strategies in target games such as baggo, disc golf, and foot golf. Students will also apply concepts of positioning, anticipation, and decision-making in reaction games such as Rampshot, paddle slam, and KanJam. This course is a physical activity skills course. Skills course: Outdoor Pursuits (Dual). This is a pass/fail course. To pass the course, students must earn the specified amount of points required in three evaluation categories: participation, performance assessment, and a teaching episode.

PE-107 Pickleball **Credits: 1**
Term Offered: Spring Term
Course Type(s): PERF
Students will learn the basic skills, history, etiquette, and strategy of pickleball. The main emphasis will be placed on skill acquisition with focus on specific movements and techniques important to pickleball. The analysis of skills, etiquette, safety considerations, and strategy will be covered. This course is a physical activity skills course. Skills course: Individual-performance (Dual). This is a pass/fail course. To pass the course, students must earn the specified amount of points required in three evaluation categories: participation, performance assessment, and a teaching episode.

PE-110 Swimming **Credits: 1**
Term Offered: All Terms
Course Type(s): AQUA
Provides a comprehensive foundation for recreational swimming. Students will learn and practice skills associated with proper stroke development, water safety, and improved general fitness. This course is a physical activity skills course. Skills course: Aquatics (individual). This is a pass/fail course. To pass the course, students must earn the specified amount of points required in three evaluation categories: participation, performance assessment, and a teaching episode.

PE-112 Lifeguard Certification/Water Safety **Credits: 2**
Term Offered: All Terms
Course Type(s): AQUA
Lifeguard Certification and Water Safety will prepare the student to work as a pool lifeguard. Upon completing the course the student will be able to take American Red Lifesaving and Standard First Aid and CPR for the Professional Rescuer exams. If the student properly performs all required skills and passes all written examinations with a score of 80% or higher the student will earn the American Red Cross Lifeguard Certification. This course is a physical activity skills course. Skills course: Aquatics(Individual). This is a pass/fail course. Student must know how to swim and will be tested by the instruction on their swimming ability.

PE-116 Badminton **Credits: 1**
Term Offered: All Terms
Course Type(s): PERF
Learn basic skills, history, rules and strategy for a single and double game in badminton. This course is a physical activity skills course. Skills course: Individual-Performance Activities (dual). This is a pass/fail course. To pass the course, students must earn the specified amount of points required in three evaluation categories: participation, performance assessment, and a teaching episode.

PE-117 Social Dance I **Credits: 1**
Term Offered: All Terms
Course Type(s): RHYTH
Students will learn a comprehensive framework for exploring the various dimensions of dance and its significance in contemporary society. The main emphasis will be placed on skill acquisition with focus on specific movements and techniques to increase competence in dance and rhythmic activities. The analysis of skills, basic choreography, etiquette, and safety will be covered. This course is a physical activity skills course. Skills course: Dance/Rhythmic Activities. This is a Pass/Fail course. To pass the course, students must earn the specified amount of points required in three evaluation categories: participation, performance assessment, and a teaching episode. Also listed as DA-117. This is a pass/fail course.

PE-118 Social Dance II **Credits: 1**
Term Offered: Spring Term
Course Type(s): RHYTH
Provides a comprehensive foundation for both men and women to successfully perform on any social dance floor. Students will learn introductory steps of the Hustle, Salsa, and Tango. Intermediate/advanced skills of the Viennese Waltz, Foxtrot, and East Coast Swing will be taught. A minimum of eight step patterns per dance will be introduced. Students will practice dance etiquette and social skills, leading to increased confidence for social dancing and improved fitness. In addition, "partner" dance positions and keeping music tempos will be addressed. This course is a physical activity skills course. Skills course: Rhythmic (dual). To pass the course, students must earn the specified amount of points required in three evaluation categories: participation, performance assessment, and a teaching episode. This is a pass/fail course. Also listed as DA-118.

PE-119 Golf I **Credits: 1**
Term Offered: All Terms
Course Type(s): PERF, OL, HY
Introduces the basic golf fundamentals, such as basic swings, equipment, rules, terms of the game, drills, etiquette, and playing the course. This course is a physical activity skills course. Skills course: Individual-Performance Activities (individual). This is a pass/fail course. To pass the course, students must earn the specified amount of points required in three evaluation categories: participation, performance assessment, and a teaching episode.

PE-122 Ultimate Frisbee **Credits: 1**
Course Type(s): GAMES
Students will learn the basic skills, history, rules and strategy for ultimate frisbee. The main emphasis will be placed on skill acquisition with focus on specific movements and techniques important to game play. The analysis of skills, rules, safety considerations, and strategy of play will be covered. This course is a physical activity skills course. Skills course: Games and Sports (team). This is a pass/fail course. To pass the course, students must earn the specified amount of points required in three evaluation categories: participation, performance assessment, and a teaching episode.

PE-125 Tennis **Credits: 1**
Course Type(s): PERF
Students will learn the basic skills, history, rules and strategy for a singles and doubles game in tennis. The main emphasis will be placed on skill acquisition with focus on specific movements and techniques important to game play. The analysis of skills, rules, safety consideration and strategy of play will be covered. This course is a physical activity skills course. Skills course: Individual-Performance Activities (dual). This is a pass/fail course. To pass the course, students must earn the specified amount of points required in three evaluation categories: participation, performance assessment, and a teaching episode.

PE-127 Volleyball **Credits: 1**
Course Type(s): GAMES
Students will learn the basic skills, history, rules and strategy for playing the team sport of volleyball. The main emphasis will be placed on skill acquisition with focus on specific movements and techniques important to game play. The analysis of skills, rules, safety consideration and strategy of play will be covered. This course is a physical activity skills course. Skills course: Games and Sports (team). This is a pass/fail course. To pass the course, students must earn the specified amount of points required in three evaluation categories: participation, performance assessment, and a teaching episode.

PE-128 Yoga **Credits: 1**
Term Offered: All Terms
Course Type(s): FIT, HY, OL
Students will learn and practice basic styles of Hatha Yoga. A combination of asanas (physical postures), breathing techniques and relaxation/meditation methods will help students improve fitness levels, reduce stress and enhance mind-body awareness. Emphasis will be placed on proper body alignment and exercise safety. This course is a physical activity skills course. Skills course: Rhythmic (individual). This is a pass/fail course. To pass the course, students must earn the specified amount of points required in three evaluation categories: participation, performance assessment, and a teaching episode.

PE-130 Basketball **Credits: 1**
Term Offered: All Terms
Course Type(s): GAMES
Students will learn the basic skills, history, rules and strategy for playing the team sport of basketball. The main emphasis will be placed on skill acquisition with focus on specific movements and techniques important to game play. The analysis of skills, rules, safety consideration and strategy of play will be covered. This course is a physical activity skills course. Skills course: Games and Sports (team). This is a pass/fail course. To pass the course, students must earn the specified amount of points required in three evaluation categories: participation, performance assessment, and a teaching episode.

PE-131 Soccer **Credits: 1**
Term Offered: All Terms
Course Type(s): GAMES
Students are provided with learning experiences that will serve as a basic foundation for teaching the team sport of soccer. The main emphasis will be placed on skill acquisition with focus on specific movements and techniques important to game play. The analysis of skills, rules, safety consideration and strategy of play will be covered. This course is a physical activity skills course. Skills course: Games and Sports (team). This is a pass/fail course. To pass the course, students must earn the specified amount of points required in three evaluation categories: participation, performance assessment, and a teaching episode.

PE-132 Softball **Credits: 1**
Term Offered: Fall Term
Course Type(s): GAMES
Students will learn the basic skills, history, rules and strategy for playing the team sport of softball. The main emphasis will be placed on skill acquisition with focus on specific movements and techniques important to game play. The analysis of skills, rules, safety consideration and strategy of play will be covered. This course is a physical activity skills course. Skills course: Games and Sports (team). This is a pass/fail course. To pass the course, students must earn the specified amount of points required in three evaluation categories: participation, performance assessment, and a teaching episode.

PE-142 Pilates **Credits: 1**
Term Offered: All Terms
Course Type(s): FIT
Students will apply the principles of Pilates exercises to improve the strength, flexibility and endurance of the core muscles. Consistent Pilates exercise practice will help to improve posture, balance, and coordination; relieve pain and tension; and enhance athletic performance. Students will learn and practice the proper form and technique for a variety of Pilates exercises. Emphasis will be placed on proper body alignment, mind-body awareness and exercise safety. This course is a physical activity skills course. Skills course: Fitness (Individual). This is a pass/fail course. To pass the course, students must earn the specified amount of points required in three evaluation categories: participation, performance assessment, and a teaching episode.

PE-143 Endurance Running **Credits: 1**
Course Type(s): FIT, OL, HY
Working together to develop and achieve individual endurance running goals while cultivating a life-long love of running in a low-stress, social atmosphere. Pre-and post-run discussions focus on select topics about the history, science, and culture of running. This course is a physical activity skills course. Skills course: Fitness (individual). This is a pass/fail course. To pass the course, students must earn the specified amount of points required in three evaluation categories: participation, performance assessment, and a teaching episode.

PE-144 T'ai Chi **Credits: 1**
Term Offered: All Terms
Course Type(s): FIT, HY, OL
Students will improve health, mental focus and overall well-being through the practice of QiGong and T'ai Chi. Often called "meditation in motion," this ancient Chinese form of exercise blends graceful flowing movements with breathing and relaxation techniques. Students will learn proper form and technique for a variety of movements, eventually combining them into a simplified adaptation of the Yang Short form of T'ai Chi. Particular emphasis will be placed on the use of T'ai Chi and QiGong to reduce stress and anxiety. This course is a physical activity skills course. Skills course: Fitness Activity.)Individual).This is a pass/fail course. To pass the course, students must earn the specified amount of points required in three evaluation categories: participation, performance assessment, and a teaching episode.

PE-156 High Intensity Interval Training **Credits: 1**
Term Offered: Spring Term
Course Type(s): FIT
Learn about and practice low and high intensity cardiorespiratory activities. Activities will also focus on flexibility, muscular endurance and strength. This course is a physical activity skills course. Skills course: Fitness This is a pass/fail course. To pass the course, students must earn the specified amount of points required in three evaluation categories: participation, performance assessment, and a teaching episode.

PE-161 Self Defense **Credits: 1**
Term Offered: All Terms
Course Type(s): PERF
Designed to give the student an opportunity to experience physical activity through martial arts training at an introductory level. This course is a physical activity skills course. Skills course: Individual-Performance Activities (Individual). This is a pass/fail course. To pass the course, students must earn the specified amount of points required in three evaluation categories: participation, performance assessment, and a teaching episode.

PE-163 Weight Training **Credits: 1**
Term Offered: All Terms
Course Type(s): FIT
Students will develop and practice an individualized, weight-training program using free weights and resistance machines. Proper training techniques, exercise safety and improvement of health and fitness will be emphasized. This course is a physical activity skills course. Skills course: Fitness (Individual). This is a pass/fail course. To pass the course, students must earn the specified amount of points required in three evaluation categories: participation, performance assessment, and a teaching episode.

PE-198 Special Topics in Physical Education **Credits: 1**
Term Offered: All Terms
Course Type(s): None
An intensive study of a particular subject in physical education to be announced prior to registration. If a prerequisite is required it will be announced in the course schedule.

PE-199 Independent Study in Physical Education **Credits: 1**
Course Type(s): None
Focus on an area in Physical Education under the direction of a Physical Education faculty member. Prior permission of the directing professor and department chair is required to take this course.

PE-201 First Aid/CPR/AED Certification **Credits: 2**
Term Offered: All Terms
Course Type(s): PERF
Safety problems that affect the individual, the community, and the nation: a standard course in first aid, including adult, child, and infant First Aid/CPR/AED. If the student attends all courses, properly performs all required skills and passes all written examinations, the student will earn the American Red Cross Adult/Child/Infant First Aid/CPR/AED Certification. This course is a physical activity skills course. Skills course: Individual-Performance Activities (Individual). This is a pass/fail course.

PE-203 Instructional Strategies in Physical Education and Health **Credits: 3**
Term Offered: Spring Term
Course Type(s): HEPE
This course is designed to introduce future professionals to effective teaching strategies and skills within the context of physical education and health. Grounded by national and state teaching standards, this course emphasizes academic language, curricular models, instructional styles, short- and long-term planning and implementation, instructional and managerial skills reflective practices, and professional responsibility. Lecture sessions are focused upon conceptual foundations of teaching physical education and health. Laboratory sessions devoted to "hands-on," practical applications and observational assessment of lecture concepts in a controlled environment with peers and children.

PE-215 Fitness Concepts and Measurements **Credits: 3**
Term Offered: All Terms
Course Type(s): HE.EL, HEPE
A comprehensive study of fitness components to include scientific principles and practical applications of exercise to promote a healthy lifestyle. Particular emphasis will be placed on the analysis of personal fitness in regards to fitness components, and will lead to the creation and implementation of a personalized exercise program. Delivered in a lecture/practical performance format.

PE-222 International Outdoor Adventure Education **Credits: 3**
Term Offered: Spring Term
Course Type(s): FLT, GU, HE.EL, HEPE, OUTDR
This faculty-led study abroad course is designed to introduce students to a variety of outdoor adventure activities in foreign countries while promoting cultural and global understanding. Lecture sessions at Monmouth University in the beginning of the course will highlight content knowledge related to outdoor adventure education, the theories and best practices for developing an outdoor adventure program, and students will explore their individual and collective responsibilities through analytical, practical, or creative responses to issues facing a globally interconnected society. While abroad, students will experience and reflect upon similarities and differences between a host of issuers (i.e., customs, norms, historical influences, language, religion, standard of living, food, art, music, dance, etc.) within the United States and the destination country. Students will describe how they see themselves within the context of that diversity and explore opportunities to interact in a global world. Student must pay additional travel expenses. This course also counts as a Physical Activity Skills Course. Skills Course: Outdoor Pursuits (Individual).

PE-290 Open Water Scuba Certification Course **Credits: 2**
Course Type(s): MEBP, OUTDR
The Open Water Scuba Certification course entails completion of the Professional Association of Diving Instructors (PADI) Open Water Diver course, the world's most popular scuba course. Completion of this course leads to PADI scuba certification as an open water diver. This course is a physical activity skills course. Skills course: Outdoor Pursuits(Individual). This is a pass/fail course. Limited to 8 students. Also listed as BY-290.

PE-310 Sport and Exercise Psychology **Credits: 3**
Prerequisite(s): EN-101, EN-102, and PY-103
Term Offered: All Terms
Course Type(s): HE.EL, HEPE, WT
Explores the psychological determinants and consequences of physical activity, with an emphasis on psychological factors relevant to enhancing sport performance. Students will also analyze key theories in exercise psychology in order to understand exercise's influence on psychological health outcomes.

PE-320 Exercise Physiology **Credits: 3**
Prerequisite(s): BY-111 or BY-211 and BY-112 or BY-212 and 3 credits from subject MA except MA-050, MA-100 and MA-103
Term Offered: All Terms
Course Type(s): HE.EL
A scientific foundation for understanding the physiological response and adaptation to exercise training. A comprehensive study of basic theories and practical applications of exercise physiology principles to physical education and sports performance. Focus on metabolic, cardiovascular-respiratory, neuromuscular-skeletal and endocrine systems as they relate to acute and chronic responses to exercise. Environmental concerns, cardiovascular disease risk factors and the immune response to exercise.

PE-330 Biomechanics and Kinesiology **Credits: 3**
Prerequisite(s): MA-105 or higher and BY-111 or BY-211 and BY-112 or BY-212
Term Offered: All Terms
Course Type(s): HE.EL
Introduction to the major principles of biomechanics, providing students with foundational knowledge that allows for the systematic analysis of human movement. Emphasis is placed on analyzing key forces and movement in the context of sport and exercise.

PE-340 Motor Development and Learning **Credits: 3**
Prerequisite(s): BY-111, BY-112 and 3 credits in Math except MA-050, MA-100, MA-101 or MA-103
Term Offered: All Terms
Course Type(s): HE.EL
Introduces students to the fundamental concepts of motor learning and development changes in human movement that occur over the lifespan. Basic research findings and applications of general human growth principles are discussed in relation to the development and acquisition of motor skills. Emphasis will also be placed on theoretical foundations for understanding motor learning principles that can be applied to the teaching and learning of physical activities.

PE-350 School-Based Physical Activity **Credits: 4**
Term Offered: Fall Term
Course Type(s): EX3, HE.EL, HEPE
This experiential education service learning course is designed to introduce students to best practices for promoting physical activity in school-based programs in accordance with theoretical frameworks and empirical evidence associated with movement competencies, physical activity engagement, and prosocial skills for children. Lecture sessions will highlight pedagogical content knowledge related to the facilitation of standards-based, developmentally-appropriate developmentally-appropriate physical activity opportunities for children. Service learning sessions will provide opportunities for students to apply content via planning and facilitating physical activity in a school-based program.

PE-351 Prevention and Care of Athletic Injuries **Credits: 3**
Term Offered: All Terms
Course Type(s): HE.EL, HEPE
Basic information and skills for the care and prevention of athletic injuries.

PE-360 Principles of Coaching **Credits: 3**
Term Offered: All Terms
Course Type(s): HE.EL, HEPE, HY, OL
A comprehensive introduction to the principles, knowledge, and skills that support effective coaching decisions and actions. This course combines national standards, sport science theory and research findings, with practical knowledge and best practices of expert coaches related to the five essential categories of coaching education and professional practice. An emphasis will be placed on the principles of coaching, behavior, teaching, physical training, and management. Ten hours of volunteer/observation are required in a local youth sport environment which can be completed across weekdays and weekends.

PE-370 Strength and Conditioning Techniques **Credits: 3**
Term Offered: All Terms
Course Type(s): HE.EL, HEPE
This course is designed to prepare students for a career in a fitness, wellness, and exercise-science field. Lecture and laboratory sessions provide students with a hands-on approach to identifying exercises from different training modalities, developing proper exercise technique, selecting appropriate equipment/technology, and applying this information to best practices in teaching and coaching. The course contents include fundamental applications of exercise techniques which are relevant to careers in coaching, exercise science, health & fitness, rehabilitation as well as strength training and conditioning. Emphasis will be placed on weight training and Olympic lifting, body weight and implement training, balance and instability training, corrective exercise, ballistic training, speed and agility training, plyometric training, flexibility training, and facility design. This course helps prepare students for applied segments of certification exams, i.e. the Certified Strength and Conditioning Specialist exam offered by the National Strength and Conditioning Association.

PE-389 Internship in Health and Physical Education **Credits: 1-3**
Term Offered: All Terms
Course Type(s): EX1, HE.EL, HEPE
Supervised, pre-professional field experience in health and physical education. The student will secure an internship site related to his/her interests and career goals. Potential internship sites include health and fitness clubs, community wellness agencies, coaching opportunities, hospitals, corporations, and private services. The student will work fifty hours per credit per term at his/her internship site. Students are required to obtain a faculty sponsor, develop learning objectives at the start of their internship, keep a journal of their internship activities throughout their placement, and write a final paper reflecting upon their internship experience. Also listed as HE-389. This is a pass/fail course. Junior standing (and others by permission of a faculty advisor), placement opportunity and approval by the Health and Physical Education Department are required to take this course. Limited to Physical Education majors only. Satisfies the Experiential Education General Education requirement.

PE-398 Special Topics in Physical Education **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
An intensive study of a particular subject or problem in physical education to be announced prior to registration. If a prerequisite is required it will be announced in the course schedule.

PE-399 Independent Study in Physical Education **Credits: 1-3**
Term Offered: Summer Term
Course Type(s): None
Reading and research on a selected topic under the direction of a Physical Education faculty member. Prior permission of the directing professor and department chair is required to take this course.

PE-410 Exercise Testing and Prescription **Credits: 4**
Prerequisite(s): HE-101, PE-320 and PE-330
Term Offered: All Terms
Course Type(s): HEPE
Provides the foundation of knowledge and skills necessary for assessing the health and physical fitness profile and developing effective exercise programs for healthy individuals and those with controlled chronic diseases.

PE-411 Adapted Physical Education and Health **Credits: 3**
Term Offered: Fall Term
Course Type(s): CD, HE.EL, HEPE
This course introduces students to best practices for teaching individuals with disabilities skills related to health and physical education. Provides basic information on disabling conditions and on how to provide adapted physical education and health programs based upon an individual's assessed needs. It will also introduce students to best teaching practices for providing access to physical education and health curriculum for students with disabilities in inclusive settings. A clinical experience is an integral part of the course providing in school settings to gain practical experience in screening and assessment; identification, selection, and prescription of appropriate exercise programs and in teaching health to students with disabilities. Travel to and from the clinical site is the responsibility of the students.

PE-489 Internship in Health and Physical Education **Credits: 1-3**
Term Offered: Summer Term
Course Type(s): EX1
Supervised, pre-professional field experience in health and physical education. The student will secure an internship site related to his/her interests and career goals. Potential internship sites include health and fitness clubs, community wellness agencies, coaching opportunities, hospitals, corporations, and private services. The student will work 50 hours per credit per term at his/her internship site. Students are required to obtain a faculty sponsor, develop learning objectives at the start of their internship, keep a journal of their internship activities throughout their placement, and write a final paper reflecting upon their internship experience. Limited to Physical Education majors only. Satisfies the Experiential Education General Education requirement. This is a pass/fail course.

PE-499 Independent Study in Physical Education **Credits: 1-3**
Course Type(s): None
Reading and research on a selected topic under the direction of a Physical Education faculty member. Prior permission of the directing professor and department chair is required to take this course.

B.S. in Health and Physical Education with an Education Endorsement in K-12 (HEPE.ED.BS)

Code	Title	Credits
Major Requirements/Health (15 credits)		
HE-101	Strategies for Healthy Living	3
HE-260	Substance Use and Abuse	3
HE-290	Health Research Methods	3
HE-324	Human Sexuality	3
HE-380	Nutrition and Health	3
Major Requirements/Physical Education (31 credits)		
PE-203	Instructional Strategies in Physical Education and Health	3
PE-310	Sport and Exercise Psychology	3
PE-320	Exercise Physiology	3
PE-330	Biomechanics and Kinesiology	3
PE-340	Motor Development and Learning	3
PE-350	School-Based Physical Activity	4
PE-360	Principles of Coaching	3
PE-411	Adapted Physical Education and Health	3
(Satisfies Cultural Diversity in General Education)		
Skills Requirement		
Select one course from each of 6 Skills categories: GAMES, AQUA, RHYTH, OUTDR, PERF, AND FIT [1]		6
Major Requirements/Education K-12 (24 credits) [2]		
ED-250	Psychological and Philosophical Foundations of Education	3
EDS-330	Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood	3
EDS-336	Classroom Management	3
ED-319	Content Literacy and Assessment	3
ED-320	Teaching Emergent Multilinguals in an Inclusive Classroom	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
ED-416 & 416S	Clinical Practice and Clinical Practice Seminar [3]	9
Interdisciplinary Requirements (17 credits)		
BY-111	Anatomy and Physiology I	4
or BY-211	Physiology with Anatomy I	
(Satisfies Natural Sciences in General Education)		
BY-112	Anatomy and Physiology II	4
or BY-212	Physiology with Anatomy II	
(Satisfies Natural Sciences in General Education)		
PY-103	Introduction to Psychology ((Satisfies Social Science Survey (SS.SV) in General Education))	3
SO-101	Introduction to Sociology	3
(Satisfies Social Science Survey (SS.SV) in General Education)		
MA-105	Mathematical Modeling in the Social Sciences	3
(Satisfies Mathematics in General Education)		
Education K-12 Certificate Requirements (6 credits) [2]		
ED-378	Methods of Teaching Elementary Physical Education and Health	3
ED-379	Methods of Teaching Secondary Physical Education and Health	3
Free Electives (3 credits) [4]		
Select up to 3 free elective credits. [4]		3
General Education Requirements (24 credits) [5]		
Complete 24 credits as outlined on the General Education table. [5]		24
Total Credits		**120**

[1] *Of those 6 courses, at least 1 must be designated as "individual", at least 1 must be designated as "dual", and at least 1 must be designated as "team".*
[2] *Minimum grade of "C" required for Education courses.*
[3] *Students must complete the appropriate test requirement(s) with a passing score PRIOR to Clinical Practice.*
[4] Please consult with your advisor regarding the required number of free electives that must be completed.
[5] The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your

advisor to determine which General Education (p. 44) courses must be completed.

Additional Endorsements Available

- ESL - English as a Second Language - K-12
- TSD - Teacher of Students with Disabilities - K12

Notes

- 54 credits must be completed at the 200 level or higher.
- Education majors are required to have an overall GPA of 3.00 for State Certification.
- By state regulation, all Education Majors seeking content area endorsement must complete 30 content credits (12+ credits at the 300+ level).

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
PY-103 Introduction to Psychology (Gen*Ed Social Science Survey (SS.SV)	3	PE-203 Instructional Strategies in Physical Education and Health	3
SO-101 Introduction to Sociology (Gen*Ed Social Science Survey (SS.SV)	3	PE-xxx Physical Education Skill/ Activity Course (see curriculum chart)	1
HE-101 Strategies for Healthy Living	3	PE-xxx Physical Education Skill/ Activity Course (see curriculum chart)	1
FO-xxx Gen*Ed World Language	3	MA-105 Mathematical Modeling in the Social Sciences (Gen*Ed Mathematics)	3
		ED-250 Psychological and Philosophical Foundations of Education	3
Semester Credits	**15**	**Semester Credits**	**14**

Second Year

Fall	Credits	Spring	Credits
ED-320 Teaching Emergent Multilinguals in an Inclusive Classroom (Gen*Ed Reasoned Oral Discourse (RD) and Writing Intensive (WT	3	BY-112 Anatomy and Physiology II or 212 (Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL)	4
BY-111 Anatomy and Physiology I or 211 (Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL)	4	PE-xxx Physical Education Activity/Skill Course (See curriculum chart)	1
HE-290 Health Research Methods (Gen*Ed Writing Intensive (WT)	3	EDS-330 Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood (Gen*Ed WT)	3
HE-260 Substance Use and Abuse	3	HE-324 Human Sexuality	3
Gen*Ed Historical Perspectives (HS.SV)	3	PE-310 Sport and Exercise Psychology	3
		PE-xxx Physical Education Skills/ Activity Course (see curriculum chart)	1
Semester Credits	**16**	**Semester Credits**	**15**

Third Year

Fall	Credits	Spring	Credits
EDS-336 Classroom Management	3	ED-319 Content Literacy and Assessment (Gen*Ed WT)	3
HE-380 Nutrition and Health	3	ED-378 Methods of Teaching Elementary Physical Education and Health	3
PE-320 Exercise Physiology	3	PE-330 Biomechanics and Kinesiology	3
PE-340 Motor Development and Learning	3	PE-360 Principles of Coaching	3
PE-350 School-Based Physical Activity (Gen*Ed Experiential Education (ExEd))	4	EN-2xx Gen*Ed Literature (LIT)	3
Semester Credits	**16**	**Semester Credits**	**15**

Fourth Year

Fall	Credits	Spring	Credits
ED-379 Methods of Teaching Secondary Physical Education and Health	3	ED-416 Clinical Practice (Gen*Ed Experiential Education (ExEd)	8
PE-411 Adapted Physical Education and Health (Gen*Ed Cultural Diversity (CD)	3	ED-416S Clinical Practice Seminar	1
Gen*Ed Aesthetics (AT) AR,DA,MU,TH	3	Free Elective	3
PR-4xx Gen*Ed Interdisciplinary Perspectives (ISP)	3		
PE-xxx Physical Education Activity/Skill Course (see curriculum chart)	1		
PE-xxx Physical Education Activity/Skill Course (see curriculum chart)	1		
Gen*Ed TL, Technological Literacy	3		
Semester Credits	**17**	**Semester Credits**	**12**

Total Credits 120

B.S. in Health Promotion (HEPR.FW.BS, HEPR.PUHE.BS)

Code	Title	Credits
Major Requirements/Health Studies (13-16 credits)		
HE-101	Strategies for Healthy Living	3
HE-290	Health Research Methods	3
HE-320	Principles of Health Education	3
(Satisfies Reasoned Oral Discourse (RD) in General Education)		
Select one course from the following list:		1-4
HE-485	Professional Seminar in Health (3 credits)	
HE-389	Internship in Health and Physical Education (1-3 credits)	
PE-350	School-Based Physical Activity (4 credits)	
HE-440	Health Policy	3
Cluster Requirements (33 credits)		
Select one of the following clusters:		33
Fitness and Wellness		
HE-380	Nutrition and Health	
PE-215	Fitness Concepts and Measurements	
PE-310	Sport and Exercise Psychology	
PE-320	Exercise Physiology	
PE-330	Biomechanics and Kinesiology	
PE-340	Motor Development and Learning	
PE-410	Exercise Testing and Prescription	
Select 8 credits from Course Type: HE.PE/HE.EL		
Select 3 credits of PE Skills Courses (with course*type GAMES, AQUA, RHYTH, OUTDR, or PERF)		
Public Health Cluster		

HE-180	Introduction to Public Health	
HE-212	Lifespan Development and Health	
HE-340	Environmental Health Issues	
HE-350	Epidemiology	
HE-375	Health in Developing Countries: A Cross-Cultural Perspective	
HE-435	Community Health	
Select 15 credits from Course Type: HE.PE/HE.EL		
Interdisciplinary Requirements (17 credits)		
BY-111	Anatomy and Physiology I	4
BY-112	Anatomy and Physiology II	4
(Science courses satisfy Natural Science (NS) in General Education)		
MA-151	Statistics with Applications	3
(Satisfies Mathematics in General Education)		
SO-101	Introduction to Sociology	3
(Satisfies Social Science (SS.SV) in General Education)		
PY-103	Introduction to Psychology	3
(Satisfies Social Science (SS.SV) in General Education)		
Free Electives (30 credits) [1]		
Complete up to 30 credits of free electives [1]		30
General Education Requirements (27 credits) [2]		
Complete 27 credits as outlined on the General Education table. [2]		27
Total Credits		**120**

[1] *Please consult with your advisor regarding the required number of free electives that must be completed.*

[2] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(p. 44) courses must be completed.*

Notes

- 54 credits must be completed at the 200 level or higher.

Sequence Chart - Public Health

Freshman

Fall	Credits	Spring	Credits
HE-101 Strategies for Healthy Living	3	HE-180 Introduction to Public Health	3
EN-101 College Composition I	3	EN-102 College Composition II	3
PY-103 Introduction to Psychology (Gen*Ed Social Science Survey (SS.SV)	3	MA-151 Statistics with Applications (Gen*Ed Mathematics)	3
FO-xxx Gen*Ed World Language	3	SO-101 Introduction to Sociology (Gen*Ed Social Science Survey (SS.SV)	3
Gen*Ed Technological Literacy (TL)	3	Free Elective	3
Semester Credits	**15**	**Semester Credits**	**15**

Sophomore

Fall	Credits	Spring	Credits
HE-290 Health Research Methods	3	HE-212 Lifespan Development and Health	3
HE-xxx Health Elective	3	HE-xxx Health Elective	3
BY-111 Anatomy and Physiology I (Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL)	4	BY-112 Anatomy and Physiology II (Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL)	4
Gen*Ed Historical Perspectives (HS.SV)	3	Gen*Ed Aesthetics (AT) AR, DA, MU, TH	3
Free Elective	3	Free Elective	3
Semester Credits	**16**	**Semester Credits**	**16**

Junior

Fall	Credits	Spring	Credits
HE-320 Principles of Health Education (Gen*Ed Reasoned Oral Discourse (RD))	3	HE-350 Epidemiology	3
HE-340 Environmental Health Issues	3	HE-375 Health in Developing Countries: A Cross-Cultural Perspective	3
HE-xxx Health Elective	3	HE-xxx Health Elective	3
EN-2xx Gen*Ed Literature (LIT)	3	Gen*Ed Cultural Diversity (CD) or Global Understanding (GU)	3
Free Elective	3	Free Elective	3
Semester Credits	**15**	**Semester Credits**	**15**

Senior

Fall	Credits	Spring	Credits
HE-435 Community Health	3	HE-440 Health Policy	3
HE-485 OR HE-389 OR PE-350	3	HE-xxx Health Elective	3
HE-xxx Health Elective	3	Free Elective	3
PR-xxx Gen*Ed Interdisciplinary Perspectives (ISP)	3	Free Elective	3
Free Elective	2	Free Elective	2
Semester Credits	**14**	**Semester Credits**	**14**

Total Credits 120

Sequence Chart - Fitness and Wellness

Freshman

Fall	Credits	Spring	Credits
HE-101 Strategies for Healthy Living	3	PE-215 Fitness Concepts and Measurements	3
EN-101 College Composition I	3	EN-102 College Composition II	3
FO-xxx Gen*Ed World Language	3	MA-151 Statistics with Applications (Gen*Ed Mathematics)	3
PY-103 Introduction to Psychology (Gen*Ed Social Science Survey (SS.SV)	3	SO-101 Introduction to Sociology (Gen*Ed Social Science Survey (SS.SV)	3
Gen*Ed Technological Literacy (TL)	3	PE-xxx Skill/Activity	1
Semester Credits	**15**	**Semester Credits**	**13**

Sophomore

Fall	Credits	Spring	Credits
HE-290 Health Research Methods	3	HE-380 Nutrition and Health	3
BY-111 Anatomy and Physiology I (Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL)	4	BY-112 Anatomy and Physiology II (Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL)	4
Gen*Ed Historical Perspectives (HS.SV)	3	Free Elective	3
Gen*Ed Aesthetics (AT) AR, DA, MU, TH	3	HE.PE.-xxx Health/PE Elective	3
PE-xxx Skill/Activity	1	Free Elective	3
Semester Credits	**14**	**Semester Credits**	**16**

Junior

Fall	Credits	Spring	Credits
HE-320 Principles of Health Education (Gen*Ed Reasoned Oral Discourse (RD)	3	Gen*Ed Cultural Diversity (CD) or Global Understanding (GU)	3

PE-320 Exercise Physiology	3	PE-330 Biomechanics and Kinesiology	3
HE.PE-xxx Elective	3	HE.PE-xxx Health/PE Elective	3
EN-2xx Gen*Ed Literature (LIT)	3	Free Elective	3
PE-xxx Skills/Activity	1	Free Elective	3
Free Elective	3		
Semester Credits	**16**	**Semester Credits**	**15**

Senior

Fall	Credits	Spring	Credits
PE-310 Sport and Exercise Psychology	3	PE-340 Motor Development and Learning	3
HE-485 OR HE-389 OR PE-350	3	HE-440 Health Policy	3
PR-4xx Gen*Ed Interdisciplinary Perspectives (ISP)	3	HE.PE.-xxx Health/PE Elective	3
Free Elective	3	Free Elective	3
PE-410 Exercise Testing and Prescription	4	Free Elective	3
Semester Credits	**16**	**Semester Credits**	**15**

Total Credits 120

B.S. in Health Studies (HE.EX.BS, HE.HE.BS)

Code	Title	Credits
Major Requirements/Health Studies (16-19 credits)		
HE-101	Strategies for Healthy Living	3
HE-150	Medical Terminology	3
HE-212	Lifespan Development and Health (Gen*Ed Reasoned Oral Discourse (RD))	3
HE-290	Health Research Methods	3
HE-440	Health Policy	3
Select one course from the following list:		1-4
HE-485	Professional Seminar in Health (3-credits)	
HE-389	Internship in Health and Physical Education (1-3-credits)	
PE-350	School-Based Physical Activity (4-credits)	
Cluster Requirements (24 credits)		
Select one of the following clusters:		24
Exercise Science Cluster		
PE-310	Sport and Exercise Psychology	
PE-320	Exercise Physiology	
PE-330	Biomechanics and Kinesiology	
PE-340	Motor Development and Learning	
Select 12 credits from Course Type HE.PE/HE.EL		
Health Science Cluster		
HE-350	Epidemiology	
Select 21 credits from Course Type HE.PE/HE.EL		
Interdisciplinary Requirements (31 credits)		
PY-103	Introduction to Psychology	3
(Satisfies Social Science (SS.SV) in General Education)		
SO-101	Introduction to Sociology	3
(Satisfies Social Science (SS.SV) in General Education)		
MA-151	Statistics with Applications	3
(Satisfies Mathematics in General Education)		
BY-110	Introduction to Cell and Molecular Biology	4
BY-111	Anatomy and Physiology I [1]	4
or BY-211	Physiology with Anatomy I	
BY-112	Anatomy and Physiology II [1]	4
or BY-212	Physiology with Anatomy II	
CE-111 & 111L & 111R	General Chemistry I and General Chemistry I Laboratory and General Chemistry I Recitation	5
CE-112 & 112L & 112R	General Chemistry II and General Chemistry II Laboratory and General Chemistry II Recitation	5
(Science courses satisfy Natural Sciences (NS) requirement in General Education)		
Free Electives (20 credits) [2]		
Complete up to 20 credits of free electives [2]		20
General Education Requirements (27 credits) [3]		
Complete up to 27 credits as outlined on the General Education table. [3]		27
Total Credits		**120**

[1] *BY-211 Physiology with Anatomy I (4 cr.) and BY-212 Physiology with Anatomy II (4 cr.) are required for several graduate schools. See your advisor for assistance.*

[2] *Please consult with your advisor regarding the required number of free electives that must be completed.*

[3] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(p. 44) courses must be completed.*

Notes

- 54 credits must be completed at the 200 level or higher.

Sequence Chart - Health Science Cluster

Freshman

Fall	Credits	Spring	Credits
HE-101 Strategies for Healthy Living	3	EN-102 College Composition II	3
EN-101 College Composition I	3	BY-110 Introduction to Cell and Molecular Biology	4
FO-xxx Gen*Ed World Language	3	MA-151 Statistics with Applications (Gen*Ed Mathematics)	3
Gen*Ed Technological Literacy (TL)	3	PY-103 Introduction to Psychology (Gen*Ed Social Science Survey (SS.SV)	3
Gen*Ed Aesthetics (AT) AR, DA, MU, TH	3	HE-xxx Health Elective	3
Semester Credits	**15**	**Semester Credits**	**16**

Sophomore

Fall	Credits	Spring	Credits
HE-290 Health Research Methods	3	HE-150 Medical Terminology	3
SO-101 Introduction to Sociology (Gen*Ed Social Science Survey (SS.SV)	3	HE-212 Lifespan Development and Health (Gen*Ed Reasoned Oral Discourse (RD))	3
Gen*Ed Historical Perspectives (HS.SV)	3	HE-xxx Health Elective	3
CE-111 General Chemistry I (Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL)	3	CE-112 General Chemistry II (Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL)	3
CE-111L General Chemistry I Laboratory	1	CE-112L General Chemistry II Laboratory	1

CE-111R General Chemistry I Recitation	1	CE-112R General Chemistry II Recitation	1
Semester Credits	**14**	**Semester Credits**	**14**

Junior

Fall	Credits	Spring	Credits
HE-350 Epidemiology	3	HE-485 OR HE-389 OR PE-350	3
HE-xxx Health Elective	3	HE-xxx Health Elective	3
BY-211 Physiology with Anatomy I or 111	4	BY-212 Physiology with Anatomy II or 112	4
EN-2xx Gen*Ed Literature (LIT)	3	Gen*Ed Cultural Diversity (CD) or Global Understanding (GU)	3
Free Elective	3	Free Elective	3
Semester Credits	**16**	**Semester Credits**	**16**

Senior

Fall	Credits	Spring	Credits
HE-440 Health Policy	3	HE-xxx Health Electives	6
HE-xxx Health Electives	6	Free Elective	3
Free Elective	2	Free Elective	3
PR-4xx- Gen*Ed Interdisciplinary Perspectives (ISP)	3	Free Elective	3
Semester Credits	**14**	**Semester Credits**	**15**

Total Credits 120

Sequence Chart - Exercise Science Cluster

Freshman

Fall	Credits	Spring	Credits
HE-101 Strategies for Healthy Living	3	BY-110 Introduction to Cell and Molecular Biology	4
EN-101 College Composition I	3	EN-102 College Composition II	3
FO-xxx Gen*Ed World Language	3	MA-151 Statistics with Applications (Gen*Ed Mathematics)	3
Gen*Ed Technological Literacy (TL)	3	PY-103 Introduction to Psychology (Gen*Ed Social Science Survey (SS.SV)	3
Gen*Ed Aesthetics (AT) AR, DA, MU, TH	3		3
Semester Credits	**15**	**Semester Credits**	**16**

Sophomore

Fall	Credits	Spring	Credits
HE-290 Health Research Methods	3	HE-150 Medical Terminology	3
SO-101 Introduction to Sociology (Gen*Ed Social Science Survey (SS.SV)	3	HE-212 Lifespan Development and Health (Gen*Ed Reasoned Oral Discourse (RD))	3
Gen*Ed Historical Perspectives (HS.SV)	3	HE.PE.-xxx Health or PE Elective	3
CE-111 General Chemistry I (Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL)	3	CE-112 General Chemistry II (Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL)	3
CE-111L General Chemistry I Laboratory	1	CE-112L General Chemistry II Laboratory	1
CE-111R General Chemistry I Recitation	1	CE-112R General Chemistry II Recitation	1
Semester Credits	**14**	**Semester Credits**	**14**

Junior

Fall	Credits	Spring	Credits
HE.PE-xxx Elective	3	HE-485 OR HE-389 OR PE-350	3
BY-211 Physiology with Anatomy I or 111	4	HE.PE.-xxx Health or PE Elective	3
Free Elective	3	PE-310 Sport and Exercise Psychology	3
Free Elective	3	BY-212 Physiology with Anatomy II or 112	4
EN-2xx Gen*Ed Literature (LIT)	3	Gen*Ed Cultural Diversity (CD) or Global Understanding (GU)	3
Semester Credits	**16**	**Semester Credits**	**16**

Senior

Fall	Credits	Spring	Credits
HE-440 Health Policy	3	PE-340 Motor Development and Learning	3
PE-320 Exercise Physiology	3	HE.PE.-xxx Health or PE Elective	3
PE-330 Biomechanics and Kinesiology	3	Free Elective	3
PR-4xx Gen*Ed Interdisciplinary Perspectives (ISP)	3	Free Elective	3
Free Elective	2	Free Elective	3
Semester Credits	**14**	**Semester Credits**	**15**

Total Credits 120

Minor in Health Studies (MIN.HE)

Code	Title	Credits
HE-101	Strategies for Healthy Living	3
Select 3 credits from Health (HE) at the 100 Level or higher		3
Select 6 credits from Health (HE) or Physical Education (PE) at the 200 Level or higher		6
Select 6 credits from Health (HE) or Physical Education (PE) at the 300 Level or higher		6
Total Credits		**18**

Nursing

Chair: Colleen Manzetti, Department of Nursing

B.S.N. Program

Admission Requirements

- Satisfying Monmouth's admission criteria for the University and for the BSN program. Writing an essay that expresses an interest in, and commitment to, the nursing profession.
- Demonstrating a strong background in the sciences.
- Exposure to a healthcare setting or related experience is encouraged.

Progression Requirements

Once selected for the program, students will be required to meet certain benchmarks, including:

- Maintain a cumulative GPA of 2.75 or better.
- Achieve a minimum standard grade of C+ or better in all Nursing (NU) courses.
- Achieve a minimum standard grade of C+ or better in the following courses:

Code	Title	Credits
BY-107	Microbiology in Health and Disease	4
BY-111	Anatomy and Physiology I	4
BY-112	Anatomy and Physiology II	4
CE-109	Introduction to General, Organic, and Biochemistry	4
MA-151	Statistics with Applications	3

- Maintaining a standard grade of “C+” or better in all nursing courses:
- A BSN student who receives a grade below C+ may repeat any of the course once. If the student receives a grade below "C+" in another course that student will not be permitted to continue in the BSN program.
- After acceptance, and before starting classes, a student must meet the health clearance requirements. Before beginning clinical experiences, students will be expected to have criminal background checks, and submit a copy of a liability and malpractice policy. Students with criminal backgrounds may not proceed in the nursing program.
- All students are expected to maintain membership in the Student Nurse Association ANA/N.J.S.N.A. The faculty of the School of Nursing and Health Studies at Monmouth University reserves the right to dismiss a student from the program regardless of cumulative grade point average if, in the opinion of the faculty, the student fails to meet acceptable professional standards of behavior.

The baccalaureate degree in nursing, master's degree in nursing, Doctor of Nursing Practice, and post-graduate APRN certificates at Monmouth University are accredited by the Commission on Collegiate Nursing Education (CCNE) (http://www.ccneaccreditation.org).

Programs

Major

- B.S.N. - Bachelor of Science in Nursing - Pre-Licensure (p. 401)

Policies

In addition to University policies, the Department of Nursing BSN Program Handbook (https://www.monmouth.edu/school-of-nursing-health/documents/2022/11/bsn-nursing-student-handbook.pdf/) details additional policies for nursing students.

Faculty

Polina Amburg, Assistant Professor. B.A., M.A., Hunter College; Ph.D., Rutgers School of Nursing.
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Cira Fraser, Professor and Director of the DNP Program (Graduate Faculty). B.S., The College of New Jersey; M.S., Rutgers University, Newark; Ph.D., Adelphi University, R.N., ACNS-BC. Specialty interest areas include nursing research, quantitative and qualitative data analysis, online education, and psychosocial issues in chronic illness with an emphasis on multiple sclerosis.
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Beth Gough, Specialist Professor.
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MSN Program Director. B.A., State University of Plattsburgh; M.S., Seton Hall University; D.N.P., University of Miami, ACNP-BC. Specialty interest areas include acute care and emergency advanced practice nursing issues, pharmacology and advanced practice education.
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Cheryl Ann Leiningen, Associate Professor (Graduate Faculty). B.S., The College of New Jersey; M.A., New York University; D.N.P., UMDNJ, Adult Nurse Practitioner. Specialty interest areas include community/environmental health issues, bullying in nursing and LGBT health.
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Janet Mahoney, Professor (Graduate Faculty). R.N., St. Mary's Hospital; B.S.N., Monmouth University (Monmouth College); M.S.N., Seton Hall University; Ph.D., APN-BC, ENA-BC New York University. Specialty areas and interests include nursing research, nursing administration, and gerontological nursing.
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Erin Vitale, Specialist Professor.
Interim Director, Linda Grunin Simulation Lab and Learning Center. B.A., James Madison University; M.S.N, Ramapo College of NJ; Ph.D., Post University.
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Courses

NU-SANE Sexual Assault Nurse Examiner **Credits: None**
Term Offered: All Terms
Course Type(s): NOSRCH
Provides basic theoretical and forensic principles to treat victims of sexual crimes by introducing standards of practice for the sexual assault nurse examiner (SANE) as outlined for SANE certification. Standards and principles of nursing practice will be applied to the practice of various areas of expertise held by SANE nurses. Forensic evaluation may include victims of all ages and ethnic and socioeconomic backgrounds within a framework of community and agency policies, procedures and protocols. Using the nursing process in the investigation of sexual assault and in the promotion and restoration of psychological, biological, and social health of survivors of sexual assault or abuse will be introduced. History and physical examination, crisis intervention, identifying and collecting evidence, and treating and counseling victims will be discussed. This is a pass/fail course.

NU-100 Technology and Health Informatics **Credits: 3**
Term Offered: All Terms
Course Type(s): TL
Designed to provide an introduction to the computer technology used in health care and its impact on decision-making. Includes an overview of the basic computer skills required to process electronic information, the nature and types of health information available on the World Wide Web, the development of search skills associated with finding information, linking electronic information to health decision-making processes, ethical and social issues involving the use of technology, and identifying major issues in computer and Internet security. Requires a minimum grade of C+.

NU-205 Pathophysiology **Credits: 3**
Prerequisite(s): BY-111 and BY-112, both passed with a grade of C+ or higher.
Co-requisite(s): CE-109 passed with a grade of C+ or higher.
Term Offered: All Terms
Course Type(s): None
Concepts for anatomy, physiology, and chemistry courses provide the foundation for exploring human dysfunction across the lifespan. Emphasis is placed on the relationship of health patterns of major body systems to changes that occur during the illness experience. Major pathophysiologic concepts are explored using a symptom-based approach that focuses on the most common diagnoses encountered in the clinical setting. Theories relation etiology, pathogenesis, and clinical manifestations are used to study common disease processes. Concepts learned in this course are fundamental to nursing practice. A minimum grade of C+ in this course is required to continue to NU-206.

NU-207 Transcultural Health **Credits: 3**
Term Offered: All Terms
Course Type(s): BI.EL, CD, HE.EL, RE
This course focuses on beliefs and practices by individuals and groups from a variety of cultures. Emphasis is placed on cultural sensitivity, cultural diversity, and implications for health. Differences in cultural beliefs related to health, illness, and the impact on the delivery of healthcare will be examined. This course requires a minimum grade of C +. Nursing majors only.

NU-210 Nutrition and Health **Credits: 3**
Term Offered: All Terms
Course Type(s): None
An introduction to the physiology of nutrition, basic concepts of normal nutrition, and nutrition in chronic disease (such as diabetes mellitus, cardiovascular disease, and obesity) will be explored. A study of the basic nutrients and the gastrointestinal system in its role of digestion, absorption, and metabolism. Food needs of an individual throughout life (birth to old age) will be considered, along with necessary dietary modifications caused by decreased activity. Food fads and fallacies will be discussed, as will factors to consider in choosing a healthy diet. Current concerns, such as how safe are the additives in our foods, the role of sugar, salt and highly processed foods, alternative therapies such as herbal remedies, and phytochemicals and their potential roles in modern nutrition, will be studied. Weight management will be addressed as it relates to medical nutrition therapy. This course requires a minimum passing grade of a C+.

NU-215 Issues and Trends in Professional Nursing **Credits: 3**
Prerequisite(s): EN-101 and EN-102
Term Offered: All Terms
Course Type(s): WT
The course introduces the student to the art and science of nursing by exploring the historical role of the nurse as a professional practitioner and member of the interprofessional health care team. Nursing theories are introduced with emphasis on the nursing process as a framework for designing and delivering nursing care. Quality and safety education for nursing (QSEN) competencies, ethical issues, cultural influences are discussed globally. Emerging roles are evaluated in relation to changing healthcare delivery systems. Standards of practice are referenced in the analysis of professional nursing during this and all subsequent nursing courses. The roles of critical thinking and therapeutic communication in the development of safe nursing practice are explored. This course requires a minimum grade of C+.

NU-301 Foundations of Nursing Practice I **Credits: 6**
Prerequisite(s): BY-111, BY-112, CE-109, NU-205, NU-215 or NU-311 all passed with a grade of C+ or higher.
Co-requisite(s): NU-301L, NU-301P, NU-310, and NU-312.
Term Offered: Fall Term
Course Type(s): None
This course provides an introduction to the practice of nursing. Emphasis is placed on the knowledge and skills needed to provide safe, quality care. The theoretical foundation for basic assessment and nursing skills is presented, and the student is given an opportunity to demonstrate these skills in a clinical/laboratory setting. Students are introduced to the nursing process as a framework for the development of decision-making and clinical judgement skills. For Nursing majors only.

NU-301CL Nursing I Clinical **Credits: None**
Co-requisite(s): NU-301 and NU-301L
Term Offered: Fall Term
Course Type(s): None
Students will learn the didactic content and apply the associated nursing skills during the clinical experience in the medical setting with live patients. This is a pass/fail course. Students must pass all sections of NU-301 to progress otherwise they must repeat all sections.

NU-301L Nursing I Lab **Credits: None**
Co-requisite(s): NU-301 and NU-301P
Term Offered: Fall Term
Course Type(s): None
Communication skills, the nursing process and medical mathematical calculations are areas of development. Methods for interpretation of medical orders, calculation of safe medications dosing and preparation, and administration of medications will be emphasized. This is a pass/fail course.

NU-308 Maternal, Pediatric, and Newborn Nursing **Credits: 6**
Prerequisite(s): NU-301, NU-310, and NU-312 all passed with a grade of C + or higher.
Co-requisite(s): NU-325, NU-308MCL, and NU-308PCL.
Course Type(s): None
This course provides an integrative, family-centered approach to the care of mothers, newborns, and children. Emphasis is placed on normal and high- risk pregnancies, normal growth and development, family dynamics, pediatric disorders and the promotion of healthy behaviors in patients. Clinical experiences provide the student with an opportunity to apply theoretical concepts and implement safe patient care to mothers, newborns, and children.

NU-308MCL Maternal Nursing Clinical **Credits: None**
Term Offered: All Terms
Course Type(s): None
Students will learn the didactic content and apply the associated nursing skills during the clinical experience in the medical setting with live patients. This is a pass/fail course. Students must pass all sections of NU-308 to progress otherwise they must repeat all sections.

NU-308PCL Pediatric and Newborn Nursing Clinical **Credits: None**
Term Offered: All Terms
Course Type(s): None
Students will learn the didactic content and apply the associated nursing skills during the clinical experience in the medical setting with live patients. This is a pass/fail course. Students must pass all sections of NU-308 to progress otherwise they must repeat all sections.

NU-310 Introduction to Pharmacology for Nurses **Credits: 3**
Prerequisite(s): NU-205 and NU-215 Both passed with a grade of C+ or higher.
Co-requisite(s): NU-301 and NU-312
Term Offered: All Terms
Course Type(s): None
This course provides an introduction to the principles of pharmacology, including pharmacokinetics, pharmacodynamics, medication interactions and potential adverse reactions. Emphasis is placed on drug classifications and nursing care related to the safe administration of medication to patients. A minimum grade of C+ is required in this course. Prerequisites: NU-205 and NU-215 both passed with a grade of C+ or higher.

NU-312 Individual Health Assessment **Credits: 3**
Prerequisite(s): NU-205 passed with a grade of C+ or higher
Co-requisite(s): NU-301, NU-310, and NU-312L
Term Offered: All Terms
Course Type(s): None
This course provides a framework for preparing students to perform comprehensive health assessments on patients in a variety of settings. Emphasis is placed on taking a thorough nursing history, performing physiological, psychological, sociological, cultural, and spiritual assessments, as well as identification of stressors and health risks. Laboratory/clinical experiences provide an opportunity to practice assessment skills on adult and older adult live and /or simulated patients. Prerequisite: NU-205 passed with a grade of C+ or higher.

NU-312L Individual Health Assessment Lab **Credits: None**
Prerequisite(s): NU-205 passed with a grade of C+ or higher
Co-requisite(s): NU-301, NU-310, and NU-312
Term Offered: All Terms
Course Type(s): None
This course provides a framework for preparing students to perform comprehensive health assessments on patients in a variety of settings. Emphasis is placed on taking a thorough nursing history, performing physiological, psychological, sociological, cultural, and spiritual assessments, as well as identification of stressors and health risks. Laboratory/clinical experiences provide an opportunity to practice assessment skills on adult and older adult live and /or simulated patients.

NU-324 Human Sexuality **Credits: 3**
Term Offered: All Terms
Course Type(s): GS, HE.EL, HEPE, NU.EL
Human Sexuality is an introductory course designed to help students reflect on their own personal experience, development, background, and value stance while becoming acquainted with research findings, current concepts, and diverse viewpoints about human sexuality. This information will focus on essential components of human sexuality and their relationship to human development. Social, cultural, and developmental determinants of sexual health will be examined. Content will include: anatomy, physiology, hormones, birth control, sexually transmitted infections, pregnancy/childbirth, sexual development, gender identity, sexual orientation, love, healthy relationships, sexual assault, sexual behavior/variation, and sexuality in media. Also listed as HE-324.

NU-325 Medical Surgical Nursing I **Credits: 6**
Prerequisite(s): NU-301, NU-310, and NU-312 all passed with a grade of C + or higher.
Co-requisite(s): NU-325L, NU-325P;
Term Offered: Spring Term
Course Type(s): None
Professional nursing care for individuals and their significant others experiencing acute and/or chronic illness is emphasized. Students continue to develop skills in nursing diagnosis, problem solving, decision-making and critical thinking skills in caring for adult and geriatric patients. The nursing process is applied in caring for adult/geriatric patients and their significant others across health care settings such as the hospital, end of life facilities, and home care. There is a weekly lab and practicum component with this course. A minimum grade of C+ is required in this course to continue to NUOB-203 and NUPD-203.

NU-325CL Medical Surgical Nursing I Clinical **Credits: None**
Co-requisite(s): NU-325 and NU-325L.
Term Offered: Spring Term
Course Type(s): None
Students will build upon their foundational experience with live patients in the hospital setting. Basic nursing skills will be expanded and focus is on the adult geriatric patient in a variety of students' clinical settings. Involvement with the live patients in the actual medical setting provides students with experiential knowledge and builds their confidence. This is a pass/fail course. Students must pass all sections of NU-325 to progress otherwise they must repeat all sections.

NU-325L Medical Surgical Nursing I Lab **Credits: None**
Co-requisite(s): NU-325 and NU-325P;
Term Offered: Spring Term
Course Type(s): None
Foundational clinical experiences help students to develop plans and implement strategies for health promotion, risk reduction, health maintenance, rehabilitation, injury prevention and treatment of acute and complex health issues of adult and geriatric patients from diverse backgrounds. Critical thinking and evidence-based practice are introduced for students to formulate differential diagnoses, clinical impressions, nursing diagnoses for treatment and evaluation of care provided to adult and geriatric patients. Clinical opportunities are provided to deliver safe, legal, and ethical care for adult and geriatric patients in a variety of clinical settings. This is a pass/fail course.

NU-330 Women's Health **Credits: 3**
Term Offered: All Terms
Course Type(s): BI.EL, CD, GS, NU.EL
Health care needs and concerns of women from diverse cultures will be examined. This course explores the biological, psychosocial, and sociocultural issues that impact women throughout the lifespan. Topics include the history and status of women's health globally, gender-based violence, sexual and reproductive health, and lifestyle choices that impact health. Throughout the course we will explore the impact of culture, ethnicity, socioeconomic status, systems of oppression, and gender on a woman's ability to be physically, mentally, and emotionally healthy. Also listed as HE-330.

NU-355 Research Methods in Nursing **Credits: 3**
Prerequisite(s): MA-151, EN-101, and EN-102 or permission of the instructor.
Term Offered: Fall Term
Course Type(s): HY, WT
This course is designed to promote clinical decision making through the exploration and integration of current scientific evidence, the use of clinical reasoning, and scholarly review. Focus is placed on the analysis and synthesis of evidence to answer a clinical question relevant to nursing practice. This course requires a minimum grade of C+.

NU-365 Wisdom, Wellness and Aging **Credits: 3**
Term Offered: All Terms
Course Type(s): CD, HE.EL
Provides an understanding of the cross-cultural variations in the status of aging and health in older adults. Examples of various cultures include examining older adults from non-English speaking countries such as North Korea, South Korea, Iran, Mexico, China, and Brazil. Examines older adults from these diverse populations as well as other nations. Topics to be covered include examinations of health implications on aging populations in non-English speaking countries. Compare countries, such as Japan, India, and Nigeria, to explore how their specific culture influences caregiving, social support networks, and community. Specific, cultural views of love, intimacy, and sexuality in older adults will be examined. Also listed as HE-365.

NU-370 Alternative/Complementary Health Therapies **Credits: 3**
Term Offered: All Terms
Course Type(s): BI.EL, GU, NU.EL
Cultural origins of CAM therapies will be discussed. Perspectives of health and healing through co-mingling Eastern Traditional Complementary and Alternative (TCAM) therapies and Western biomedical practices into an integrative strategy will be examined. Appropriate therapies for health promotion and specific illness contexts, potential risks/benefits, ethical issues addressing treatment choices and global entities that employ CAM therapies will be discussed. There will be an emphasis on choosing CAM therapies that are supported by research as safe and effective. Knowledge of reliable sources of information on the Internet will improve decision-making regarding therapies. Also listed as HE-370.

NU-375 Health in Developing Countries: A Cross-Cultural Perspective **Credits: 3**
Term Offered: All Terms
Course Type(s): BI.EL, GU, NU.EL
Designed to introduce students to the concept of health as a cross-cultural issue. Students will examine their own health beliefs and practices and expand their understanding of health and health issues of the developing world. Contemporary health issues will be analyzed. Healthcare delivery systems in selected countries in Asia and Africa will be examined and compared to the American healthcare system. Students are expected to problem solve and postulate solutions to contemporary and emerging health issues. Also listed as HE-375.

NU-390 Nursing Care of the Aging Adult **Credits: 3**
Prerequisite(s): NU-205 and NU-215 both passed with a grade of C+ or higher
Course Type(s): HY
This course provides an introduction to the care of aging adults while focusing on their unique physiological and psychosocial needs. Emphasis is placed on promoting healthy aging and retaining functional ability within a home or residential environment. Common health alterations of the older adult as well as safety and end-of-life care are introduced.

NU-398 Special Topics in Nursing (300 Level) **Credits: 1-3**
Course Type(s): None
An intensive study of a particular subject or problem in nursing to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

NU-399 Independent Study in Nursing **Credits: 1-3**
Term Offered: Spring Term
Course Type(s): None
Guided research and in depth study of an area of nursing and/or healthcare of particular interest to the student. Permission of the directing professor and department chair is required to take this course.

NU-400 Population Focused Care **Credits: 6**
Prerequisite(s): NU-492 passed with a grade of C+ or higher.
Co-requisite(s): NU-400P, NU-450, NU-490 and NU-490P.
Course Type(s): EX5, HY
This course is intended to orient students to nursing care of individuals, families, aggregates, communities, and populations. Principles and practices of community health are discussed. Emphasis is placed on assessing factors that influence the health of populations and the use of evidence-based practices in the delivery of spiritually and culturally appropriate health promotion and disease prevention interventions. The role of the nurse as an advocate for social justice is explored. Students are provided clinical experiences within the community. Nursing majors only.

NU-400CL Population Focused Care Clinical **Credits: None**
Co-requisite(s): NU-400
Course Type(s): None
This clinical experience focuses on population health nursing. The nursing process is utilized as students apply their knowledge in providing care to clients from the formation of the family through senescence. This clinical experience allows students to incorporate evidence-based practice strategies in the provision of care including health teaching, screening, outreach, disease and outbreak investigation, referral, and follow-up, across various aggregates, communities, and populations. Students must pass the clinical portion (NU-400CL) to pass the course NU-400. This is a pass/fail course. Students must pass all components of this course to progress.

NU-401 Medical Surgical Nursing II **Credits: 6**
Prerequisite(s): NU-308 and NU-325 Passed with grade of C+ or higher.
Co-requisite(s): NU-401P and NU-492.
Term Offered: Fall Term
Course Type(s): None
This course focuses on the care of adult patients with complex medical/surgical health problems. Emphasis is placed on helping patients and their families cope with alterations in body functions. Concepts of pharmacology, health promotion and education, evidence-based practice, and interdisciplinary collaboration will be integrated throughout the course. Clinical experiences provide the student with an opportunity to apply theoretical concepts and implement safe care to patients and selected groups in a variety of settings.

NU-401CL Medical Surgical Nursing II Clinical **Credits: None**
Prerequisite(s): NU-308 and NU-325, both passed with a C+ or higher.
Co-requisite(s): NU-401 and NU-492.
Term Offered: Fall Term
Course Type(s): None
This course focuses on the care of adult patients with complex medical/surgical health problems. Emphasis is placed on helping patients and their families cope with alterations in body functions. Concepts of pharmacology, health promotion and education, evidence based practice, and interdisciplinary collaboration will be integrated throughout the course. Clinical experiences provide the student with an opportunity to apply theoretical concepts and implement safe care to patients and selected groups in a variety of settings. For Nursing majors only. This is a pass/fail course. Students must pass all components of this course to progress.

NU-440 Health Policy **Credits: 3**
Prerequisite(s): EN-101, EN-102, HE-290 and Junior standing or permission of the instructor
Term Offered: All Terms
Course Type(s): HE.EL, HEPE, WT
Delves into the core elements that define health policy. Describes factors, such as the healthcare delivery systems (public/non-profits vs. private/for profits), access to care, healthcare financing, quality-of-care issues, and social issues, such as gender and culture, and their impact on health and healthcare. The dynamics of the policy-making process at different levels (federal, state and local) will be explored, along with policy analysis and how policy influences healthcare decisions. The complexities and challenges of healthcare reform will be identified. Also listed as HE-440.

NU-450 Leadership in Nursing and Healthcare **Credits: 3**
Prerequisite(s): NU-401 and NU-492 both passed with a grade of C+ or higher
Co-requisite(s): NU-400 and NU-490
Term Offered: Spring Term
Course Type(s): None
The acquisition of knowledge and skills necessary for personal and professional growth designed to address the elements of successful leadership in a manner that is practical and relevant for today's professional nurse.

NU-476 Interpersonal Violence **Credits: 3**
Term Offered: All Terms
Course Type(s): NU.EL
Examines the various types and patterns of violence related to cultural values, beliefs, biases, and societal issues, as well as the historical perspectives of violence. Course content includes: family, community, youth, and workplace violence; child, domestic, elder, and sexual abuse. Theories concerning gender violence, gangs, bias and hate crimes, and terrorism are challenged. Public health and health care issues related to violence, and primary, secondary, and tertiary-level interventions for victims and offenders of violence are discussed. Individual responsibilities associated with identification and reporting violence are identified. Health care measures to identify and prevent violence are analyzed. Methods of treatment for victims and perpetrators of violence are evaluated. Also listed as HE-476.

NU-490 Transition to Professional Practice **Credits: 6**
Prerequisite(s): NU-401 and NU-492 both passed with a grade of C+ or higher
Co-requisite(s): NU-400, NU-400P, NU-450, and NU-490P
Term Offered: Spring Term
Course Type(s): RD
This course is a comprehensive review of essential concepts and skills related to care of patients incorporating online review modules aligned with the NCLEX-RN detailed test blueprint. Students focus on those concepts necessary to prepare for the successful practice of professional nursing. Standardized testing is incorporated that includes a comprehensive examination and results-based remediation to support the successful completion of the NCLEX-RN exam and effective transition into nursing practice. Clinical experiences provide the student the opportunity to apply learned concepts while providing care to assigned patients and when functioning in a leadership role. For Nursing majors only.

NU-490CL Transition to Professional Practice Clinical Credits: None
Co-requisite(s): NU-490
Term Offered: Spring Term
Course Type(s): None
This capstone clinical course serves as a transition between the role of student and professional nurse. The major purpose is to increase independence in providing nursing care to groups of individuals in an acute care setting. The focus of this course is on organization, delegation and supervision of care and evaluation of outcomes. Clinical is Pass/Fail. Student must pass NU-490CL in order to pass NU-490.

NU-492 Mental Health Tertiary Care Credits: 5
Prerequisite(s): NU-308 and NU-202 both passed with a grade of C+ or higher.
Co-requisite(s): NU-401 and NU-492P.
Course Type(s): None
Part I: This course focuses on the care of patients experiencing mental and behavioral disorders. Emphasis is placed on the management of patients facing emotional and psychological stressors as well as promoting and maintaining the mental health of individuals and families. Concepts of crisis intervention, therapeutic communication, anger management, and coping skills are integrated throughout the course. Clinical experiences provide the student with an opportunity to apply theoretical concepts and implement safe patient care to patients in mental health settings. Part II: Tertiary care nursing: Care for individuals, families, and aggregates highly specialized consultative care that involves advanced and complex procedures and treatments performed by medical specialists (such as pediatric centers, Oncology centers, burn centers, palliative care, plastic surgery, psychiatric hospitals) and community. The focus of tertiary care includes, but not limited to management of complex health issues, health promotion, disease prevention, risk reduction, health maintenance, and rehabilitation, injury prevention of adult and geriatric patients from diverse backgrounds. This course allows the students to improve and advance their abilities to critically think and apply evidence-based practice to formulate differential diagnoses, clinical impressions, nursing diagnoses for treatment and evaluation of care provided to adult and geriatric patients.

NU-492CL Mental Health Clinical Credits: None
Co-requisite(s): NU-492
Course Type(s): None
Students will learn the didactic content and apply the associated nursing skills during the clinical experience in the medical setting with live patients. For Nursing majors only. This is a pass/fail course. Students must pass all components of this course to progress.

NU-498 Special Topics in Nursing (400 Level) Credits: 1-3
Term Offered: All Terms
Course Type(s): NU.EL
An intensive study of a particular subject or problem in nursing to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

NU-498P Special Topics in Nursing Credits: None
Term Offered: Spring Term
Course Type(s): None
Practicum for NU 490.

NU-499 Independent Study in Nursing Credits: 1-3
Prerequisite(s): NU-312, NU-324, NU-355, and permission of the directing professor and department chair
Term Offered: Spring Term
Course Type(s): None
Guided research and in-depth study of an area of nursing and/or health care of particular interest to the student.

NU-508 Factors Affecting Healthcare Credits: 3
Term Offered: All Terms
Course Type(s): None
Examine models and contexts for health promotion and disease prevention; examine the influence of culture on health beliefs and practices; and ethical dilemmas. Investigate factors such as access to care, health and social policy, healthcare finance and economics, and legislative influences on health. Students must earn a minimum grade of B in the course. Students who receive less than a grade of B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course.

NU-512 Nursing Research for Advanced Nursing Practice Credits: 3
Term Offered: All Terms
Course Type(s): None
Critical appraisal of the role of nursing research and research methods of inquiry in the development of nursing theory and practice. Qualitative and quantitative research methods; research designs; measurement theory and strategies; methods of data analysis; read, critique and write research reports; ethics, application of research techniques for outcomes evaluation and evidence-based practice. Students must earn a minimum grade of B in the course. Students who receive less than a grade of B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course.

NU-514 Data Management for Advanced Nursing Practice Credits: 3
Prerequisite(s): NU-512
Term Offered: All Terms
Course Type(s): None
Planning for and collection of outcome data; preparation of data for hypothesis testing; use of the SPSS statistical computer package for data management and analysis; selection and interpretation of appropriate parametric and nonparametric descriptive and inferential statistics for outcome evaluation. Quantitative and qualitative data analysis. Students must earn a minimum grade of B in the course. Students who receive less than a grade of B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course.

NU-518 Education and Motivation of Nursing Clients Credits: 3
Term Offered: All Terms
Course Type(s): NU.EL
Role of the nurse in fostering health promotion via education of clients, families, and professional colleagues. Essential factors for successful teaching and learning. Motivating the client to make behavioral changes to promote health and development. Development, presentation, and evaluation of a formal teaching plan. Students must earn a minimum grade of B in the course. Students who receive less than a grade of B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course.

NU-521 Pathophysiology and Histology **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Focuses on pathogenesis of selected diseases leading to alterations of body structure and functions across the life span. Students must earn a minimum of a B in the course. Students who receive less than a B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course.

NU-524 Pharmacology for Advanced Nursing Practice **Credits: 3**
Prerequisite(s): NU-521
Term Offered: All Terms
Course Type(s): None
This course integrates advanced pharmacotherapeutic principles in the assessment and management of common diseases utilizing an evidence-based approach and critical analysis. Content includes historical perspectives, legal regulations and standards, controlled substances; pharmacokinetics; pharmacodynamics; choice and use of pharmacotherapeutics; nursing responsibilities in drug prescription; client education with respect to drug desired effects, side effects, interactions, toxicity, dependence, and addiction through the life span. Students who receive less than a B will be required to repeat the course. Students will be allowed to repeat the course only once. A second grade below a B will result in ineligibility to continue in programs requiring this course.

NU-535 Advanced Health and Physical Assessment **Credits: 3**
Prerequisite(s): NU-521
Term Offered: All Terms
Course Type(s): None
Theory and practice of health and physical assessment skills, identification of deviations from the normal, and documentation of findings are refined. Advanced-level assessment includes the comprehensive history, physical and psychological variations of the client. The client is viewed holistically, incorporating cultural, nutritional, and developmental variations. Application of techniques is practiced in the laboratory. Students practice physical assessment techniques and translate assessment data, interpretation of laboratory and diagnostic data into differential diagnoses, and plans of care. The relationship of health and physical assessment to the role and responsibilities of the nurse is examined in the context of advanced nursing practice. Students must earn a minimum of a B in the course. Students who receive less than a B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course.

NU-536 Advanced Health Assessment for Forensic Nurses **Credits: 3**
Prerequisite(s): NU-521 and NU-524
Term Offered: Summer Term
Course Type(s): None
Theory and practice of health assessment skills, identification of deviations from the normal and documentation of findings are refined. Advanced level assessment includes the comprehensive history, physical and psychological variations of the client across the lifespan. The client is viewed holistically, incorporating cultural, nutritional, and developmental variations. Application of techniques is practiced in the college laboratory and with clients in outside agencies. Students translate assessment data into differential diagnoses and interpret laboratory and diagnostic data. Relationship of health assessment to the role and responsibilities of the nurse is examined. Students must earn a minimum grade of B in the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course.

NU-541 Primary Care **Credits: 3**
Prerequisite(s): NU-521, NU-524, and NU-535
Co-requisite(s): NU-542S and NU-542P
Term Offered: Spring Term
Course Type(s): None
Aspects of advanced health assessment, clinical reasoning, and diagnostic skills necessary to manage common stable, chronic, and episodic alterations in health. Various advanced nursing practice roles in health care, ethical and legal issues in clinical practice, application of research-based clinical outcomes, promotion and maintenance of health, disease prevention and treatment modalities for individuals are explored. Content is presented in weekly clinical case studies related to common alterations in health. Factors influencing health care systems, patterns of human responses, and cultural and epidemiological influences will be discussed in weekly clinical case studies. Students must earn a minimum of a B in the course. Students who receive less than a B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course.

NU-542P Primary Care Practicum **Credits: 2**
Prerequisite(s): NU-521, NU-524, and NU-535
Term Offered: Spring Term
Course Type(s): None
Delivery of primary health care to the family unit with common health problems including collection of subjective and objective data using the techniques of interview and physical examination; deriving differential and final diagnoses; planning care for acute and chronic illness using community resources; use of communication for health teaching, counseling and motivating clients for positive health maintenance. Establishment of collaborative role with other health care providers. This is a pass/fail course. Students must pass the lecture, seminar and practicum to advance in the specialty program.

NU-542S Primary Care Seminar **Credits: 1**
Prerequisite(s): NU-521, NU-524, and NU-535
Term Offered: Spring Term
Course Type(s): None
Delivery of primary health care to adults and older adults with common health problems includes collection of subjective and objective data using the techniques of interview and physical examination; deriving differential and final diagnoses; planning care for acute and chronic illness using community resources; use of communication for health teaching, counseling and motivating clients for positive health maintenance. Establishment of collaborative role with other health care providers. Students must earn a minimum of a B in the course. Students who receive less than a B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course. Students must pass the lecture, seminar and practicum to advance in the specialty program.

NU-543 Diagnosis and Treatment of Psychopathology **Credits: 3**
Co-requisite(s): NU-544P and NU-544S
Term Offered: All Terms
Course Type(s): None
This course will provide the basic foundations of diagnosis and clinical management of common psychiatric/mental health problems in adults. Students must earn a minimum grade of B in the course. Students who receive less than a grade of B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course. Students must pass the lecture, seminar, and practicum to advance in the specialty program. Prerequisites: NU-521, NU-524, and NU-535 Corequisite: NU-544P and NU-544S

NU-544P Diagnosis and Treatment of Psychopathology Practicum **Credits: 2**
Prerequisite(s): NU-521, NU-524, and NU-535
Co-requisite(s): NU-543 and NU-544S
Term Offered: Fall Term
Course Type(s): None
This introductory clinical course will provide the basic foundations of clinical management of common psychiatric/mental health problems in adults. The student will deliver mental health care to adults with mental health problems including collection of subjective and objective data using the techniques of interview; establishing a psychiatric diagnosis utilizing the current Diagnostic and Statistical Manual classification system; and completing an initial psychiatric assessment and identifying psychopharmacologic interventions as appropriate. Establishment of collaborative role with other healthcare providers. Restricted to Psychiatric and Mental Health Nurse Practitioner students only. This is a pass/fail course. Students must pass the lecture, seminar and practicum to advance in the specialty program.

NU-544S Diagnosis and Treatment of Psychopathology Seminar **Credits: 1**
Prerequisite(s): NU-521, NU-524, and NU-535;
Co-requisite(s): NU-543 and NU-544P
Term Offered: Fall Term
Course Type(s): HY
This introductory clinical course will provide the basic foundations of clinical management of common psychiatric/mental health problems in adults. The student will deliver mental health care to adults with mental health problems including collection of subjective and objective data using the techniques of interview; establishing a psychiatric diagnosis utilizing the current Diagnostic and Statistical Manual classification system, completing an initial psychiatric assessment and identifying psychopharmacologic interventions as appropriate. Establishment of collaborative role with other healthcare providers. Students must earn a minimum grade of B in the course. Students who receive less than a grade of B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course. Students must pass the lecture, seminar and practicum to advance in the specialty program.

NU-562 Tests and Measures **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Considers evaluation methods related to norm-referenced and criterion-referenced evaluation methods in education. Students will investigate criteria used to develop reliable and valid evaluation measures. Current issues and research related to educational testing instruments, alternatives to standardized evaluation methods, and outcome measurement in education will be discussed. Students will explore measurement theory and evaluate measures that are used to identify cognitive, affective, and psychomotor domains as they relate to education. Students must earn a minimum of a B in the course. Students who receive less than a B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course. Students who have taken NU-562 are not eligible to take NU-762.

NU-564 Curriculum Development and Instruction in Nursing Education **Credits: 3**
Term Offered: Fall Term
Course Type(s): OL
The primary focus of this course is the process of curriculum development in nursing. Factors influencing curriculum development, the process of curriculum development and evaluation methods are emphasized. Instruction and evaluation in didactic nursing courses and clinical experiences are addressed. Individuals completing this course will be prepared for the role of nurse educator in academic settings. Students who have taken NU-564 are not eligible to take NU-764.

NU-566P Nurse Educator Practicum I **Credits: 2**
Prerequisite(s): NU-521, NU-524, and NU-535
Co-requisite(s): NU-566S
Term Offered: Fall Term
Course Type(s): None
Course provides an opportunity for the student to engage in planned clinical practice experiences, incorporating the concentration (Pathophysiology, Pharmacology, and Advance Health Assessment) in a direct-care role in a clinical setting to strengthen their patient care delivery skills. The student will also function in the role of the novice academic nurse educator, applying teaching and learning principles in both the academic and clinical settings. Each practice experience is guided by a preceptor. Total practicum hours for this course is a minimum of 90 hours. This is a pass/fail course. Students who have taken NU-566P are not eligible to take NU-766P.

NU-566S Nurse Educator Seminar I **Credits: 1**
Prerequisite(s): NU-521, NU-524, and NU-535
Co-requisite(s): NU-566P
Term Offered: All Terms
Course Type(s): None
Through discussion and sharing, students reflect on their direct-care practicum expereinces and how it impact the role of academic nurse educator. In addition, students discuss the role of the academic nurse educator and how the practicum experiences relate to the eight core nursing competencies of the academic nurse educator outlined by the National League for Nursing. Students who have taken NU-766S are not eligible to take NU-566S.

NU-567P Nurse Educator Practicum II **Credits: 2**
Co-requisite(s): NU-567S
Term Offered: Spring Term
Course Type(s): None
Provides additional opportunities for the student to function in the role of the novice academic nurse educator in diverse settings. Students continue to apply teaching and learning principles in both academic and clinical settings under the guidance of a preceptor during an additional 90 hours of practicum experiences. Through continued reflection and sharing, students refine their practice and explore the eight core competencies outlined by the National League for Nursing. This is a pass/fail course. Ninety practicum hours are required. Students who have taken NU 567P are not eligible to take NU-767P.

NU-567S Nurse Educator Seminar II **Credits: 1**
Co-requisite(s): NU-567P
Term Offered: Spring Term
Course Type(s): None
Through further discussion, and sharing, students refine their practice and identify the tasks associated with the eight core competencies of the academic nurse educator outlined by the National League for Nursing. Also listed as NU-767S.

NU-575 Issues in Forensic Nursing **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
Introduction to forensic nursing practice and the concepts, theories, and principles used in this advanced practice role. The use of the nursing process in forensic decision making for the management of individuals or populations are illustrated. The relationship between various socio-cultural factors, psychosocial issues, and ethical challenges are discussed in relationship to catastrophic injuries/illnesses and violent crimes. Comparison of the various roles in which forensic nursing can be applied are examined including the scopes and standards of nursing practice. Legal considerations in areas such as collection of forensic evidence and preservation, discovery, expert testimony are distinguished. Students must earn a minimum of a B in the course. Students who receive less than a B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course.

NU-576 Interpersonal Violence **Credits: 3**
Term Offered: All Terms
Course Type(s): NU.EL
Examines the various types and patterns of violence related to cultural values, beliefs, biases and societal issues, as well as the historical perspective of violence. Content includes: family, community, youth, and workplace violence, and child, domestic, elder and sexual abuse. Theories concerning gender violence, gangs, bias and hate crimes, and terrorism are challenged. Public health and health care issues related to violence, and primary, secondary, and tertiary level interventions for victims and offenders of violence are discussed. Individual responsibilities associated with identification and reporting violence are identified. Healthcare measures to identify and prevent violence are analyzed. Methods of treatment for victims and perpetrators of violence are evaluated. Students must earn a minimum of a B in the course. Students who receive less than a B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course.

NU-577 Forensic Pathology **Credits: 3**
Prerequisite(s): NU-521, NU-524, and NU-535 all passed with a grade of B or higher
Term Offered: Spring Term
Course Type(s): None
Designed to introduce students to concepts of forensic pathology with an emphasis on the recognition and interpretation of diseases and injuries in the human body that are the basis for medico-legal investigations. It presents an overview of the medico-legal investigative systems and the substance and mechanics of forensic pathology. The medical examiner, usually the pathologist, is primarily concerned with the investigation of violent, sudden, unexpected, and suspicious deaths. The medical examiner determines the cause and manner of death, identifies the deceased if unknown, determines the approximate time of injury and death, collects evidence from the body, issues a death certificate, and documents these events through an official autopsy report.

NU-578P Forensic Nursing Practicum **Credits: 2**
Prerequisite(s): NU-521, NU-535, NU-543, NU-575, NU-576, and NU-577
Co-requisite(s): NU-578S
Term Offered: All Terms
Course Type(s): None
Students will work in an interdisciplinary team or with individuals in forensic arenas as they apply forensic theory and research in forensic nursing practice. Appropriate techniques for identifying, collecting and documenting pertinent data will be reinforced through clinical practice in a forensic arena. Under the supervision and guidance of a clinical preceptor, students will identify outcomes and plans of action for effective coordination and communication among professionals and clients as a means to learn appropriate techniques for the identification, prevention, and management of victims of crime and trauma. Students will develop expertise in the collection, preservation and documentation of evidence as identified in scopes and standards of forensic nursing practice. Individual experiences are arranged in conjunction with students' goals for practice. Students will attend a one-hour weekly seminar and a weekly eight-hour clinical practicum. This is a pass/fail course.

NU-578S Forensic Nursing Seminar **Credits: 1**
Prerequisite(s): NU-521, NU-535, NU-543, NU-575, NU-576, and NU-577
Co-requisite(s): NU-578P
Term Offered: All Terms
Course Type(s): None
Explores forensic theory and research to forensic nursing practice. Forensic nurses practice as sexual assault examiners, educators, nurse coroners, death investigators, correctional nurses, life care planners, case managers, legal nurse consultants, Medicare set aside coordinators and clinical specialists in pediatrics and, gerontology. Issues addressing systematic analysis of pertinent data, and the physical/psychological issues related to forensic nursing and applying nursing science to public and legal proceedings will be discussed in seminar. Identification of outcomes and plans of action that provide effective coordination and communication in managing clients will be addressed. A scientific and conceptual knowledge of nursing, forensic and criminal justice will assist students to recognize appropriate techniques for the identification, prevention, and management of appropriate clients utilizing the scopes and standards of forensic nursing practice. The collaborative nature of forensic nursing practice as a component of multidisciplinary teams will be stressed. Individual experiences are arranged in conjunction with students' goals for practice. Students will attend a one hour weekly seminar and a weekly eight hour clinical practicum. Students must earn a minimum of a B in the course. Students who receive less than a B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course.

NU-584 Curriculum and Instruction in Health Education **Credits: 4**
Term Offered: Fall Term
Course Type(s): HY
Examination of theoretical bases for health education for graduate school nursing students including program development and implementation, educational strategies, behavioral objectives, learner characteristics, instructional assessment and classroom management. Was previously offered as HE-584.

NU-585 School Nursing I **Credits: 4**
Term Offered: Fall Term
Course Type(s): None
Examines and analyzes the role of the school nurse as a healthcare provider, health educator, health counselor, child advocate in the school community, and interdisciplinary team member. Explores financial, legal, and administrative issues as they relate to school nursing. Reviews normal growth and developmental patterns. Describes common health problems, special needs, and interventions appropriate for school nurses. Students must earn a minimum of a B in the course. Students who receive less than a B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course.

NU-586 School Nursing II **Credits: 4**
Term Offered: Spring Term
Course Type(s): None
A continuation of the examination and analysis of the role of the school nurse as healthcare provider, health educator, health counselor, and interdisciplinary team member. An expansion of the role of the nurse as child advocate in the community and as public health nurse. Explores external and internal environmental influences that impact on the health of children. Students must earn a minimum of a B in the course. Students who receive less than a B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course.

NU-587P Practicum: School Nurse I **Credits: 2**
Prerequisite(s): NU-585
Co-requisite(s): NU-587S
Term Offered: All Terms
Course Type(s): None
Introduction to the clinical experience for the school nurse. The student has his/her clinical experience in the school nurse's office where he or she takes an active part in school health services, physical assessments, organization and administration of the school health program as outlined in NJAC 6A:9 Professional Licensure and Standards of the NJ Board of Education Standards. This is a pass/fail course.

NU-587S Seminar: School Nurse I **Credits: 2**
Prerequisite(s): NU-585
Co-requisite(s): NU-587P
Term Offered: Fall Term
Course Type(s): None
Discusses the school nurse's role as a healthcare provider, health counselor, administrator and member of the interdisciplinary school team. Students who are employed as a school nurse should take this two-credit seminar to fulfill the New Jersey Board of Education's requirement of "a minimum six semester-hour credits in school nursing, including school health services, physical assessments, organization, and administration of the school health program." Students must earn a minimum of a B in the course. Students who receive less than a B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course.

NU-588P Practicum: School Nurse II **Credits: 2**
Prerequisite(s): NU-586, NU-584, and NU-587S
Co-requisite(s): NU-588S
Term Offered: Spring Term
Course Type(s): None
A continuation of the clinical experience for the school nurse. The student functions in the role of the school nurse as a health educator. This is a pass/fail course.

NU-588S Seminar: School Nurse II **Credits: 2**
Prerequisite(s): NU-586 and NU-587S
Co-requisite(s): NU-584 and NU-588P
Term Offered: Spring Term
Course Type(s): None
Discusses the school nurse's role as a health educator. Students must earn a minimum of a "B" in the course. Students who receive less than a "B" will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a "B" will make students ineligible to continue in programs requiring this course.

NU-598 Special Topics in Nursing **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Allows students to study a specific aspect of nursing. The subject matter varies from semester to semester and depends on the professor who teaches the course. If a prerequisite is required it will be announced in the course schedule.

NU-599 Independent Study in Nursing **Credits: 1-4**
Term Offered: All Terms
Course Type(s): None
Independent study (theory and/or practica) in a specialized area of interest to the student. Weekly consultations with supervising faculty member. Prior permission of the directing professor and department chair is required to take this course.

NU-601F Principles of Practice Iii: Adult Occupational Therapy Fieldwork **Credits: None**
Prerequisite(s): OTD-511, OTD-512, and OTD-513;
Co-requisite(s): OTD-601, OTD-601L, OTD-602, and OTD-603;
Term Offered: Summer Term
Course Type(s): None
This course builds on the foundational principles to prepare students to develop and implement evidenced- based, and client- centered intervention, related to areas of occupation for a variety of clients and diagnoses, along the continuum of practice settings. Lab experiences will promote critical analysis and facilitate growth of a clinical skill set. Case-based learning will be used to promote clinical and ethical reasoning to determine the appropriate intervention approach for a particular client. Competency in entry-level intervention skills are emphasized throughout the course. Didactic coursework is coupled with Level I experiences to enhance student learning. Experiences may include simulated environments, standardized patients, faculty practice, faculty-led site visits and/or, supervision by a fieldwork educator in a practice environment.

NU-631 Advanced Practice Nursing I **Credits: 3**
Prerequisite(s): NU-521, NU-524, NU-535, NU-541, NU-542P, NU-542S, NU-635, and NU-635P
Co-requisite(s): NU-632P and NU-632S
Term Offered: Fall Term
Course Type(s): None
Detailed case study analysis of common health problems of the adult and older adult including pathophysiology, epidemiology, strengths and weaknesses of assessment of data collection, diagnostic process, planning, intervention, and evaluation. Interview and physical examination techniques for collecting subjective and objective data in primary care and long-term care settings; deriving nursing diagnoses; planning care for acute and chronic illness in culturally diverse populations utilizing community resources; using communication for health teaching and counseling and to motivate clients for positive health-maintenance will be explored. Expansion of traditional nursing role to the advanced practice nurse (APN) role through the incorporation of evidence-based practice, personal knowledge, and ethics will be discussed. The course is process-driven and will require extensive reading in the student's specialty area. Students must earn a minimum of a B in the course. Students who receive less than a B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course.

NU-632P Advanced Practice Nursing Practicum I **Credits: 2**
Prerequisite(s): NU-521, NU-524, NU-535, NU-541, NU-542P, NU-542S, NU-635, and NU-635P
Co-requisite(s): NU-631 and NU-632S
Term Offered: Fall Term
Course Type(s): None
Delivery of person-centered primary health care to clients with common health problems including collection of subjective and objective data; deriving differential and final diagnoses; planning care for acute and chronic illness using community resources; using communication strategies for health teaching, counseling and motivating clients with diverse backgrounds for positive health outcomes. Course focuses on developing competency as a novice advanced practice nurse and collaborating with interprofessional healthcare providers. This is a pass/fail course. Students must pass the lecture, seminar and practicum to advance in the specialty program.

NU-632S Advanced Practice Nursing Seminar I **Credits: 1**
Term Offered: Fall Term
Course Type(s): HY
Delivery of primary health care to adults and older adults with common health problems includes collection of subjective and objective data using the techniques of interview and physical examination; deriving differential and final diagnoses; planning care for acute and chronic illness using community resources; use of communication for health teaching, counseling and motivating clients for positive health maintenance. Establishment of collaborative role with other health care providers. Students must earn a minimum of a B in the course. Students who receive less than a B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course. Students must pass the lecture, seminar and practicum to advance in the specialty program.

NU-633 Advanced Practice Nursing II Credits: 3
Prerequisite(s): NU-521, NU-524, NU-535, NU-541, NU-542, NU-631, NU-632P, NU-632S, NU-635, and NU-635P
Co-requisite(s): NU-634S and NU-634P
Term Offered: Spring Term
Course Type(s): None
This course is a continuation of NU-631. Detailed case study analysis of health problems including pathophysiology, epidemiology, strengths, and weaknesses of assessment of data collection, diagnostic process, planning, intervention, and evaluation. Interview and physical examination techniques for collecting subjective and objective data in primary, acute and chronic illness in culturally diverse populations utilizing community resources; using communication strategies for health teaching and counseling and to motivate clients with diverse backgrounds for positive health outcomes. Course focuses on expansion of traditional nursing role to the advanced practice nurse (APN) role through the incorporation of evidence-based practice scope of practice, and ethical considerations, and collaboration with interprofessional team members. The course is process-driven and will require extensive reading in the student's specialty area. Students must earn a minimum of a B in the course. Students who receive less than a B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course. Students must pass the lecture, seminar and practicum to advance in the specialty program.

NU-634P Advanced Practice Nursing Practicum II Credits: 2
Prerequisite(s): NU-521, NU-524, NU-535, NU-541, NU-542, NU-631, NU-632S, NU-632P, NU-635, and NU-635P
Co-requisite(s): NU-633 and NU-634S
Term Offered: Spring Term
Course Type(s): None
Delivery of healthcare to the child, pregnant couple, and adults with complex health problems, including collection of subjective and objective data using the techniques of interview and physical examination; deriving nursing diagnoses; planning care for acute and chronic illness using community resources; use of communication for health teaching, counseling and motivating clients for positive health maintenance. Establishment of collaborative role with other health care providers. This is a pass/fail course. Students must pass the lecture, seminar and practicum to advance in the specialty program.

NU-634S Advanced Practice Nursing Seminar II Credits: 1
Prerequisite(s): NU-521, NU-524, NU-535, NU-541, NU-542, NU-631, NU-632P, NU-632S, NU-635, and NU-635P
Co-requisite(s): NU-633 and NU-634P
Term Offered: Spring Term
Course Type(s): HY
Discussion of delivery of healthcare to the child, pregnant couple, and adults with complex health problems that include collection of subjective and objective data using the techniques of interview and physical examination; deriving nursing diagnoses; planning care for acute and chronic illness using community resources; use of communication for health teaching, counseling, and motivating clients for positive health maintenance. Establishment of collaborative role with other healthcare providers. Students must earn a minimum of a B in the course. Students who receive less than a B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course. Students must pass the lecture, seminar and practicum to advance in the specialty program.

NU-635 Advanced Practice Nursing Pediatrics Credits: 2
Co-requisite(s): NU-635P
Term Offered: Summer Term
Course Type(s): None
Detailed case study analysis of health problems including pathophysiology, epidemiology, strengths and weaknesses of assessment of data collection, diagnostic process, planning, intervention, and evaluation. Interview and physical examination techniques for collecting subjective and objective data in pediatric care, both acute and chronic illness in culturally diverse pediatric populations utilizing community resources; using communication for health teaching and counseling and to motivate clients for positive health maintenance. Expansion of traditional nursing role to the advanced practice nurse (APN) role through the incorporation of evidence-based practice, personal knowledge, and ethics. The course is process-driven and will require extensive reading in the student's specialty area. Students must earn a minimum of a B in the course. Students who receive less than a B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course.

NU-635P Advanced Practice Nursing Pediatrics Practicum Credits: 1
Prerequisite(s): NU-521, NU-524, NU-535, NU-541, NU-542P, and NU-542S
Co-requisite(s): NU-635
Term Offered: Summer Term
Course Type(s): None
Deliver primary care to pediatric clients with common health problems including collection of subjective and objective data using the techniques of interview and physical examination; diagnose and plan care for acute and chronic illness in culturally diverse pediatric populations utilizing community resources; use communication skills for health teaching and counseling and to motivate pediatric clients and their families for positive health maintenance. Expand the traditional nursing role to the advanced practice nurse (APN) role through the incorporation of evidence-based practice, personal knowledge, and ethics. Establish collaborative relationships with other health care providers for comprehensive care. This is a pass/fail course. Students must pass the lecture, seminar and practicum to advance in the specialty program.

NU-661 Nursing Administration I Credits: 3
Co-requisite(s): NU-622P and NU-622S
Course Type(s): None
Students are socialized into the middle-level management and administration roles by examination of the administrative process in a variety of healthcare organizations. Students are expected to assess, plan, develop, evaluate, and refine their effectiveness as managers and leaders of nursing and patient care services. By synthesizing information from previous course work, management theories, and relevant research, students will be able to apply themselves to the management/administration roles. Students must earn a minimum of a B in the course. Students who receive less than a B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course.

NU-662P Nursing Administration I Practicum Credits: 2
Co-requisite(s): NU-661 and NU-662S
Term Offered: Fall Term
Course Type(s): None
Students observe and participate in the middle- level management/ administrative process in a variety of healthcare organizations. For the required practicum, the student selects a nursing service compatible with the student's individual goals. Socialization into the middle management and administrative roles permits students to assess, plan, implement, and refine their skills as beginning practitioners as managers and leaders of nursing and patient care services. This is a pass/fail course.

NU-662S Nursing Administration I Seminar Credits: 1
Co-requisite(s): NU-661 and NU-662P
Course Type(s): None
Students analyze the middle- level-management/administrative process in a variety of healthcare organizations. Socialization into the middle management and administrative roles permits students to assess, plan, implement, and refine their skills as beginning practitioners as managers and leaders of nursing and patient care services. Students must earn a minimum of a B in the course. Students who receive less than a B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course.

NU-663 Nursing Administration II Credits: 3
Prerequisite(s): NU-661, NU-662S, and NU-662P
Co-requisite(s): NU-664P and NU-664S
Term Offered: Spring Term
Course Type(s): None
Students are prepared to practice in the role of middle-level administration and nursing case manager. Students will build on the information obtained in Nursing Administration I. In addition, nurses will learn the role of the nursing case manager. Students learn how to provide quality healthcare along a continuum, decrease fragmentation of care across multiple settings, enhance the client's quality of life, and address issues concerning cost containment. Communication and collaboration techniques are utilized to assess, plan, implement, coordinate, monitor and evaluate the options and services available to meet individual health needs. Students must earn a minimum of a B in the course. Students who receive less than a B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course.

NU-664P Nursing Administration II Practicum Credits: 2
Prerequisite(s): NU-661, NU-662S, and NU-662P
Co-requisite(s): NU-663 and NU-664S
Term Offered: Spring Term
Course Type(s): None
Students observe and participate in the human resources and the nursing case management roles. Students build on the information obtained in Nursing Administration I. Students investigate the integration of the nursing administrator role and human resource elements and observe the relationship through direct observation of the HR staff and the Executive Team. This is a pass/fail course.

NU-664S Nursing Administration II Seminar Credits: 1
Prerequisite(s): NU-661, NU-662S, and NU-662P
Co-requisite(s): NU-663 and NU-664P
Term Offered: Spring Term
Course Type(s): None
Students analyze the human resource role and the nursing case management role and their relationship to nursing administration. Students build on the information obtained in Nursing Administration Seminar I. Students assess, plan, and implement their effectiveness as administrative-level nursing personnel and delve into the knowledge required to comprehend the role of case management and human resources and their relation to nursing administration. Students must earn a minimum of a B in the course. Students who receive less than a B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course.

NU-669 Psychiatric Mental Health Nursing I: Practice with Children and Adolescents Credits: 3
Prerequisite(s): NU-521, NU-524, NU-535, NU-543, NU-544P, and NU-544S
Co-requisite(s): NU-670P and NU-670S
Course Type(s): None
Examines psychological theories, assessment techniques and psychopharmacologic interventions for working directly with children, adolescents, and their caretakers. Emphasizes evidence-based interventions that address diverse groups of children or adolescents within their social contexts (e.g., peer group, school, family, neighborhood). Special attention will be given to issues of diversity as it relates to building therapeutic relationships and intervening with children, adolescents and their families. Treatment planning and specific methodologies for working therapeutically with children and adolescents will be evaluated. Students must earn a minimum of a B in the course. Students who receive less than a B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course. Students must pass the lecture, seminar and practicum to advance in the specialty program.

NU-670P Psychiatric Mental Health Nurse Practitioner Nursing I: Practice with Children and Adolescents Practicum Credits: 2
Prerequisite(s): NU-521, NU-524, NU-535, NU-543, NU-544S, and NU-544P
Co-requisite(s): NU-669 and NU-670S
Course Type(s): None
Delivery of mental healthcare to children and adolescents with mental health problems including collection of subjective and objective data using the techniques of interview; deriving psychiatric diagnoses; deriving nursing diagnoses; planning care for acute and chronic mental health issues using community resources; use of interventions including short-term problem-focused psychotherapy, group therapy and psychopharmacologic modalities. Establishment of collaborative role with other healthcare providers. This is a pass/fail course. Students must pass the lecture, seminar, and practicum to advance in the specialty program.

NU-670S Psychiatric Mental Health Nursing I: Practice with Children and Adolescents Seminar Credits: 1
Prerequisite(s): NU-521, NU-524, NU-535, NU-543, NU-544P, and NU-544S
Co-requisite(s): NU-669 and NU-670P
Course Type(s): None
Delivery of mental health care to children and adolescents with mental health problems including collection of subjective and objective data using the techniques of interview; deriving psychiatric diagnoses; deriving nursing diagnoses; planning care for acute and chronic mental health issues using community resources; use of interventions including short-term problem-focused psychotherapy, group therapy and psychopharmacologic modalities. Establishment of collaborative role with other healthcare providers. Students must earn a minimum of a B in the course. Students who receive less than a B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course. Students must pass the lecture, seminar and practicum to advance in the specialty program.

NU-671 Advanced Practice Psychiatric/Mental Health Nursing II: Psychopharmacology and Introduction to Therapy Credits: 3
Prerequisite(s): NU-521, NU-524, NU-535, NU-543, NU-544P, NU-544S, NU-669, NU-670P and NU-670S
Co-requisite(s): NU-672P and NU-672S
Term Offered: All Terms
Course Type(s): None
Focuses on advanced knowledge of psychiatric/mental health nursing. Assessment, treatment planning and therapeutic interventions with individuals, families and groups will be introduced. Offers various treatment models including the classic schools and current developments in individuals, families and groups. Each therapeutic modality will be presented using key concepts, an explanation of the therapeutic process and application of techniques. Students must earn a minimum of a B in the course. Students who receive less than a B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course. Students must pass the lecture, seminar and practicum to advance in the specialty program.

NU-672P Advanced Practice Psychiatric/ Mental Health Nursing Practicum II Credits: 2
Co-requisite(s): NU-671 and NU-672S
Term Offered: All Terms
Course Type(s): None
Delivery of mental health care to adults with mental health problems, including collection of subjective and objective data using the techniques of interview; deriving psychiatric diagnoses; deriving nursing diagnoses; planning care for acute and chronic mental health issues using community resources; use of interventions including short-term problem-focused psychotherapy, group therapy and psychopharmacologic modalities. Establishment of collaborative role with other health care providers. This is a pass/fail course. Students must pass the lecture, seminar and practicum to advance in the specialty program.

NU-672S Advanced Practice Psychiatric/Mental Health Nursing Seminar II Credits: 1
Co-requisite(s): NU-671 and NU-672P
Term Offered: All Terms
Course Type(s): None
Delivery of mental health care to adults with mental health problems, including collection of subjective and objective data using the techniques of interview; deriving psychiatric diagnoses; deriving nursing diagnoses; planning care for acute and chronic mental health issues using community resources; use of interventions including short-term problem-focused psychotherapy, group therapy and psychopharmacologic modalities. Establishment of collaborative role with other health care providers. Students must earn a minimum of a B in the course. Students who receive less than a B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course.

NU-673 Advanced Practice Psychiatric/ Mental Health Nursing III Credits: 3
Prerequisite(s): NU-521, NU-524, NU-535, NU-543, NU-544P, NU-544S, NU-669, NU-670P, NU-670S, NU-671, NU-672P, and NU-672S.
Co-requisite(s): NU-674P and NU-674S
Term Offered: All Terms
Course Type(s): None
This course will examine how client's lives are affected by larger societal structures. This course will examine modalities and ways to intervene with clients with a true sensitivity and understanding of issues of race, culture, gender, religion and sexual orientation. Each therapeutic modality will be presented using key concepts, an explanation of the therapeutic process and application of techniques. Students must earn a minimum grade of B in the course. Students who receive less than a grade of B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course. Students must pass the lecture, seminar and practicum to advance in the specialty program.

NU-674P Advanced Practice Psychiatric/Mental Health Nursing Practicum III Credits: 2
Prerequisite(s): NU-521, NU-524, NU-535, NU-543, NU-544P, NU-544S, NU-669, NU-670P, NU-670S, NU-671, NU-672P, and NU-672S
Co-requisite(s): NU-673 and NU-674S
Term Offered: All Terms
Course Type(s): None
A continuation of NU-672P. Delivery of mental health care to adults with mental health problems, including collection of subjective and objective data using the techniques of interview; deriving psychiatric diagnoses; deriving nursing diagnoses; planning care for acute and chronic mental health issues using community resources; use of interventions including short term, problem-focused psychotherapy, group therapy and psychopharmacologic modalities. Establishment of collaborative role with other healthcare providers. This is a pass/fail course. Students must pass the lecture, seminar and practicum to advance in the specialty program.

NU-674S Advanced Practice Psychiatric/Mental Health Nursing Seminar III Credits: 1
Prerequisite(s): NU-521, NU-524, NU-535, NU-543, NU-544P, NU-544S, NU-669, NU-670P, NU-670S, NU-671, NU-672P, and NU-672S
Co-requisite(s): NU-673 and NU-674P
Term Offered: All Terms
Course Type(s): None
A continuation of NU-672S. Delivery of mental health care to adults with mental health problems, including collection of subjective and objective data using the techniques of interview; deriving psychiatric diagnoses; deriving nursing diagnoses; planning care for acute and chronic mental health issues using community resources, use of interventions including short-term, problem-focused psychotherapy, group therapy and psychopharmacologic modalities. Establishment of collaborative role with other healthcare providers. Students must earn a minimum of a B in the course. Students who receive less than a B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course. Students must pass the lecture, seminar and practicum to advance in the specialty program.

NU-699 Independent Study in Nursing (600 Level) Credits: 3
Term Offered: All Terms
Course Type(s): None
Independent study (theory and/or practica) in a specialized area of interest to the student. Weekly consultations with supervising faculty member. Prior permission of the directing professor and department chair is required to take this course.

NU-701 Translating Evidence to Clinical Practice Credits: 3
Term Offered: All Terms
Course Type(s): OL
Components central to the concept of evidence-based practice are introduced and emphasis is placed on evaluating systematically, research and evidence from multiple sources. Critical appraisal of evidence utilizing clinical informatics, databases, multidisciplinary best practices, and systematic reviews of randomized clinical trials will be included in an approach to a clinical question or problem for a practice change. Strategies for creating a culture of evidence-based practice for individuals and clinical systems will be explored. Tools for diffusing the change or innovation are included. The concept of translational science will prepare students to begin formulation of a capstone project. Students must earn a grade of "B" or higher in this course or it will have to be repeated.

NU-702 Health Promotion in Diverse Populations Credits: 3
Term Offered: All Terms
Course Type(s): OL
Examines the influence of culture on nursing care delivery. Explores the DNP's role in providing culturally appropriate care for increasingly diverse populations. The focus of the course is on global health issues, factors affecting health, disparities in healthcare and infrastructure of populations. Students will utilize evidence-based research to analyze various social, cultural, and economic factors that impact health, illness and the perceptions/behaviors of diverse ethnic and minority groups as they relate to health promotion. Content includes an examination of social, psychological, and cultural theories, a review of current research about health and illness beliefs/behaviors, and the development of health promotion strategies to improve care provided to individuals, aggregates and populations. Students must earn a grade of "B" or higher in this course or it will have to be repeated.

NU-703 Epidemiology and Genetics/Genomics Credits: 3
Term Offered: All Terms
Course Type(s): OL
Explores the key features of epidemiological and genetic concepts and theories in relation to populations. Epidemiological principles will be examined in relation to public health issues to plan and evaluate strategies to prevent illness and study diseases. Exploration of the risks health care personnel deal with: environmental catastrophes, (chemical, biological, and radiation), nuclear attacks, disease outbreaks and global conflicts. Investigation into local, regional, national and international databases regarding health disparities, disease entities, genetic problems, global threats and the response preparedness and effectiveness of various agencies and governments. The student will identify risk factors for genetic disease and explore the influence of genetics and genomics on human diseases as they relate to the ethical, legal and financial responsibilities of the advanced practice nurse. Students must earn a grade of "B" or higher in this course, or it will have to be repeated.

NU-705 Interprofessional Collaboration and Team Facilitation Credits: 3
Term Offered: All Terms
Course Type(s): OL
Examines advanced communication skills and other behaviors that provide the knowledge and skills needed for exemplary leadership, with an emphasis on relationships and team building. Strategies for building interdisciplinary, collaborative relationships from a leader's perspective will be explored. Conflict management and resolution is analyzed, along with group process and techniques for effective meeting management. Adult learning principles, emotional intelligence, and team characteristics are discussed in order to envision a quality professional practice environment.

NU-715 Organizational Leadership in Healthcare Credits: 3
Term Offered: All Terms
Course Type(s): OL
Examines organizational systems and processes that emphasize the demand for clinical practice leadership, improvement of health outcomes and ensured patient safety. Students are provided the tools to develop expertise in assessing the vision, mission and organizational strategic plans. Emphasis is placed on executive decision making, leading change efforts, and instituting innovative methodologies for system improvement. Organizational behaviors directed towards quality improvement, negotiation, conflict resolution, performance evaluation and ethical conduct in a business environment. Enhances the student's ability to use power and influence to achieve goals, build teams and alliances, establish strong communication channels, and empower others. Students must earn a grade of "B" or higher in this course or it will have to be repeated.

NU-716 Health Care Policy for Advocacy in Health Care Credits: 3
Term Offered: All Terms
Course Type(s): OL
Examines healthcare economics, political and public health issues, and their relation to development and implementation of health policies at regional, national and international levels. Health policy influences multiple care delivery issues, including health disparities, underserved populations, cultural sensitivity, ethics, law, health care financing, and issues of equity and social justice in the delivery of healthcare. The DNP role will be discussed in the creation of such policies. Students must earn a grade of "B" or higher in this course or it will have to be repeated.

NU-718 Health Care Economics and Financial Management Credits: 3
Term Offered: All Terms
Course Type(s): OL
Provides an in-depth exploration of economics and finance, budget, reimbursement mechanisms and innovative business models for health care organizations and practice settings. Students will have an opportunity to develop and review business plans and to evaluate cost-benefit analyses as they relate to the DNP role. The practical application of management of financial resources, tools for decision making and communication strategies will be integrated. Students must earn a grade of "B" or higher in this course or it will have to be repeated.

NU-720 Research Methods in Healthcare Leadership Credits: 3
Term Offered: All Terms
Course Type(s): OL
Focus is on the critical analysis of the research process. There is an emphasis on the data collection and data analysis steps of research. Skills are developed in the use of the SPSS statistical program and the interpretation of descriptive and inferential statistics for outcome evaluation in healthcare. Interpretation and evaluation of statistical analysis in published research are emphasized. Skills are refined in the dissemination of research to healthcare professionals. DNP students only.

NU-730 Doctor Nursing Practice Project I Credits: 3
Prerequisite(s): NU-720 passed with a grade of B or higher
Term Offered: All Terms
Course Type(s): OL
The DNP project culminates in a practice immersion experience that affords the student the opportunity to integrate and synthesize information from a variety of areas and previous course work to exhibit mastery of an advanced specialty within nursing practice. Students will demonstrate synthesis of the DNP education and advanced nursing practice specialty which focuses on change that impacts healthcare outcomes either through direct or indirect care. Students will share their journey toward developing the DNP project through class discussion using a variety of communication modalities. In consultation with the DNP Project Advisor, students will select an area of specialty practice and propose a project. The end result will be a proposed project based on the principles of evidence-based practice that incorporates planning, implementation, evaluation and dissemination concepts. This will provide a foundation for continued scholarship while making significant contributions in the student's area of interest. Students must earn a grade of B or higher in this course or it will have to be repeated.

NU-731 Leadership Immersion I Credits: 3
Prerequisite(s): NU-701, NU-702, NU-703, NU-705, NU-715, NU-716 all passed with a grade of B or higher.
Term Offered: All Terms
Course Type(s): OL
Immersion into the leadership role provides the student an opportunity to expand their leadership skillset and apply, integrate, and synthesize the DNP Essentials through a collaborative partnership between the university and approved practice partners. The student will develop specific learning objectives related to the DNP Essentials, application of theory, and role requirements jointly with the assigned professor to develop their nursing specialty expertise. This course is individualized to each student's specific area of practice interest. This experience should provide opportunities to work with experts including interdisciplinary to build and assimilate knowledge for advanced nursing practice at the highest level of complexity. DNP Essentials guideline state that graduates should have 1000 hours of combines clinical and experience through the MSN and DNP studies. It is expected that all students in the DNP program complete 500 hours in addition to the 500 hours previously completed in their master's level program or if additional hours are required to meet their advisor to construct a plan. This is a pass/fail course.

NU-732 Doctor Nursing Practice Project II Credits: 3
Prerequisite(s): NU-730 passed with a grade of B or higher
Term Offered: All Terms
Course Type(s): OL
DNP Project II builds on the content and processes developed in the DNP Project I towards implementation. Students will share their journey of implementation and evaluation of the DNP project through class discussion using a variety of communication modalities. In consultation with the DNP Project Advisor students will implement and evaluate the project. This course is a continuation of DNP Project I. Students will continue to integrate and apply information from a variety of areas to demonstrate expertise in an advanced specialty within nursing practice. Students will continue to demonstrate synthesis of the DNP education and advanced nursing practice specialty which focuses on change that impacts healthcare outcomes either through direct or indirect care. The end result will be an executed project based on the principles of evidence-based practice that incorporates planning, implementation, evaluation and dissemination concepts. Students must earn a grade of B or higher in this course or it will have to be repeated.

NU-733 Leadership Immersion II Credits: 3
Prerequisite(s): NU-731 passed with a grade of P
Term Offered: All Terms
Course Type(s): OL
Continuation of the practice immersion experience provides the student with additional opportunities to apply, integrate, and synthesize the DNP Essentials. The student will again develop specific learning objectives related to the DNP Essentials, application of theory, and role requirements jointly with the assigned professor to develop their nursing specialty expertise. This course is individualized to each student's specific area of practice interest. This experience should provide opportunities to work with experts including interdisciplinary to build and assimilate knowledge for advanced nursing practice at the highest level of complexity. DNP Essentials guideline state that graduates should have 1000 hours of combined clinical and experience through the MSN and DNP studies. It is expected that all students in the DNP program complete 500 hours in addition to the 500 hours previously completed in their master's level program or if additional hours are required to meet with their advisor to construct a plan. This is a pass/fail course.

NU-762 Tests and Measures **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Considers evaluation methods related to norm-referenced and criterion-referenced evaluation methods in education. Students will investigate criteria used to develop reliable and valid evaluation measures. Current issues and research related to educational testing instruments, alternatives to standardized evaluation methods, and outcome measurement in education will be discussed. Students will explore measurement theory and evaluate measures that are used to identify cognitive, affective, and psychomotor domains as they relate to education. Students must earn a minimum of a B in the course. Students who receive less than a B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course. Students who have taken NU-762 are not eligible to take NU-562.

NU-764 Curriculum Development and Instruction in Nursing **Credits: 3**
Term Offered: Fall Term
Course Type(s): OL
This theory course is designed to introduce the student to the role of the nurse educator in academic educational settings. The Core Competencies of Nurse Educators provides the framework. Factors influencing curriculum development, classroom and clinical teaching strategies, and student outcomes are emphasized. Curriculum analysis and evaluation are based on evidence-based teaching and learning theory within the context of an organization's mission and philosophy.
Prerequisites: NU-521, NU-524, and NU-535

NU-766P Nurse Educator Practicum I **Credits: 2**
Co-requisite(s): NU-766S
Term Offered: Fall Term
Course Type(s): OL
Course provides an opportunity for the student to engage in planned clinical practice experiences, incorporating the concentration (Pathophysiology, Pharmacology, and Advance Health Assessment) in a direct-care role in a clinical setting to strengthen their patient care delivery skills. The student will also function in the role of the novice academic nurse educator, applying teaching and learning principles in both the academic and clinical settings. Each practice experience is guided by a preceptor. Total practicum hours for this course is a minimum of 90 hours. This is a pass/fail course. Students who have taken NU-766P are not eligible to take NU-566P.

NU-766S Nurse Educator Seminar I **Credits: 1**
Co-requisite(s): NU-766P
Term Offered: Fall Term
Course Type(s): None
Through discussion and sharing, students reflect on their direct-care practicum experiences and how it impacts the role of academic nurse educator. In addition, students discuss the role of the academic nurse educator and how the practicum experiences relate to the eight core nursing competencies of the academic nurse educator outlined by the National League for Nursing. Students who have taken NU-566S are not eligible to take NU-766S.

NU-767P Nurse Educator Practicum II **Credits: 2**
Co-requisite(s): NU-567S or NU-767S.
Term Offered: Spring Term
Course Type(s): None
Provides additional opportunities for the student to function in the role of the novice academic nurse educator in diverse settings. Students continue to apply teaching and learning principles in both academic and clinical settings under the guidance of a preceptor during an additional 90 hours of practicum experiences. Through continued reflection and sharing, students refine their practice and explore the eight core competencies outlined by the National League for Nursing. This is a pass/fail course. Ninety practicum hours are required. Students who have taken NU-767P are not eligible to take NU-567P.

NU-767S Nurse Educator Seminar II **Credits: 1**
Co-requisite(s): NU-567P
Term Offered: Spring Term
Course Type(s): None
Through further discussion, and sharing, students refine their practice and identify the tasks associated with the eight core competencies of the academic nurse educator outlined by the National League for Nursing. Also listesd as NU-567S.

NU-799 Independent Study in Nursing (doctorate Level) **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
Independent study (theory and/or practica) in a specialized area of interest to the student. Weekly consultations with supervising faculty member. Course can be graded (theory) or pass/fail (practica). Prior permission of the directing professor and department chair is required to take this course.

B.S.N. - Bachelor of Science in Nursing - Pre-Licensure (NU.PL.BSN)

Code	Title	Credits
Major Requirements/Pre-Licensure (44 credits)		
NU-205	Pathophysiology [1]	3
NU-210	Nutrition and Health [1]	3
NU-301	Foundations of Nursing Practice I [1]	6
NU-301CL	Nursing I Clinical	0
NU-301L	Nursing I Lab	0
NU-308	Maternal, Pediatric, and Newborn Nursing [1]	6
NU-308MCL	Maternal Nursing Clinical	0
NU-308PCL	Pediatric and Newborn Nursing Clinical	0
NU-310	Introduction to Pharmacology for Nurses [1]	3
NU-325	Medical Surgical Nursing I [1]	6
NU-325CL	Medical Surgical Nursing I Clinical	0
NU-325L	Medical Surgical Nursing I Lab	0
NU-401	Medical Surgical Nursing II [1]	6
NU-401CL	Medical Surgical Nursing II Clinical	0
NU-490	Transition to Professional Practice [1]	6
*(Gen*Ed Reasoned Oral Discourse (RD) Effective 23/FA)*		
NU-490CL	Transition to Professional Practice Clinical	0
NU-492	Mental Health Tertiary Care [1]	5
NU-492CL	Mental Health Clinical	0
Major Requirements/Nursing (27 credits)		
NU-100	Technology and Health Informatics [1]	3
(Satisfies Technological Literacy (TL) in General Education)		
NU-207	Transcultural Health [1]	3
(NU-207 satisfies Cultural Diversity (CD) in General Education)		
NU-215	Issues and Trends in Professional Nursing [1]	3
NU-312	Individual Health Assessment [1]	3
NU-312L	Individual Health Assessment Lab	0
NU-355	Research Methods in Nursing [1]	3
NU-390	Nursing Care of the Aging Adult [1]	3
NU-400	Population Focused Care [1]	6
NU-400CL	Population Focused Care Clinical	0
NU-450	Leadership in Nursing and Healthcare [1]	3
Interdisciplinary Requirements (31 credits)		
MA-151	Statistics with Applications [1]	3
(Satisfies Mathematics in General Education)		
PY-103	Introduction to Psychology	3
(Satisfies Social Science (SS.SV) in General Education)		
SO-101	Introduction to Sociology	3
(Satisfies Social Science (SS.SV) in General Education)		
BY-107	Microbiology in Health and Disease [1]	4
BY-111	Anatomy and Physiology I [1]	4
BY-112	Anatomy and Physiology II [1]	4
(BY-111 and BY-112 satisfy Natural Science (NS) in General Education)		
CE-109	Introduction to General, Organic, and Biochemistry [1]	4
3 Credits of a World Language		3
(Satisfies Gen*ed World Language Requirement)		
Select 3 credits from courses with Course Type NU.EL		3
Free Electives (0 credits)		
The number of free electives, if any, will be determined in consultation with your advisor.		0
General Education Requirements (18 credits) [2]		
Complete 18 credits as outlined on the General Education table. [2]		18
Total Credits		**120**

[1] *Minimum Grade of C+ required to meet the BSN program requirement.*

[2] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(p. 44) courses must be completed.*

Notes

- 54 credits must be completed at the 200 level or higher.
- Students in this program are required to have an overall GPA of 2.75.

Sequence Chart

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
BY-111 Anatomy and Physiology I (Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL)	4	BY-112 Anatomy and Physiology II (Gen*Ed Natural Science (NS) BY,CE,PH,SC,GL)	4
PY-103 Introduction to Psychology (Gen*Ed Social Science Survey (SS.SV))	3	SO-101 Introduction to Sociology	3
NU-100 Technology and Health Informatics (Gen*Ed Technological Literacy (TL))	3	FO-xxx Gen*Ed World Language	3
Gen*Ed Historical Perspectives (HS.SV)	3	Gen*Ed Aesthetics (AT) AR,DA,MU,TH	3
Semester Credits	**16**	**Semester Credits**	**16**

Second Year

Fall	Credits	Spring	Credits
BY-107 Microbiology in Health and Disease	4	NU-205 Pathophysiology	3
MA-151 Statistics with Applications	3	NU-215 Issues and Trends in Professional Nursing	3
NU-207 Transcultural Health	3	EN-2xx Gen*Ed Literature (LIT)	3
NU-210 Nutrition and Health	3	CE-109 Introduction to General, Organic, and Biochemistry	4
		NU-xxx Nursing Guided Elective (Course Type NU.EL)	3
Semester Credits	**13**	**Semester Credits**	**16**

Third Year

Fall	Credits	Spring	Credits
NU-301 Foundations of Nursing Practice I	6	NU-308 Maternal, Pediatric, and Newborn Nursing	6
NU-301CL Nursing I Clinical	0	NU-308MCL Maternal Nursing Clinical	0
NU-301L Nursing I Lab	0	NU-308PCL Pediatric and Newborn Nursing Clinical	0
NU-310 Introduction to Pharmacology for Nurses	3	NU-325 Medical Surgical Nursing I	6

NU-312 Individual Health Assessment	3	NU-325CL Medical Surgical Nursing I Clinical	0
NU-312L Individual Health Assessment Lab	0	NU-325L Medical Surgical Nursing I Lab	0
NU-390 Nursing Care of the Aging Adult	3	NU-355 Research Methods in Nursing	3
Semester Credits	**15**	**Semester Credits**	**15**

Fourth Year

Fall	**Credits**	**Spring**	**Credits**
NU-401 Medical Surgical Nursing II	6	NU-400 Population Focused Care (Gen*Ed Experiential Education (ExEd)	6
NU-401CL Medical Surgical Nursing II Clinical	0	NU-400CL Population Focused Care Clinical	0
NU-492 Mental Health Tertiary Care	5	NU-450 Leadership in Nursing and Healthcare	3
NU-492CL Mental Health Clinical	0	NU-490 Transition to Professional Practice (Includes registration in NU-498P) Gen*Ed Reasoned Oral Discourse (RD)	6
PR-4xx Interdisciplinary Perspectives (ISP)	3	NU-490CL Transition to Professional Practice Clinical	0
Semester Credits	**14**	**Semester Credits**	**15**

Total Credits 120

THE SCHOOL OF SOCIAL WORK

Interim Dean: Golam Mathbor, Ph.D.
Director of the B.S.W. Program: Christa Hogan, Ph.D.
Director of the M.S.W. Program: Elena Mazza, Ph.D.

Social workers are concerned with improving the health and quality of life of persons who are disconnected or excluded from larger society. Social workers engage in practice at all levels, from working with children to working with communities and governments. The profession and the program at Monmouth are particularly concerned with human rights and social and economic justice, the representation and support of vulnerable or oppressed segments of the population, and direct-action strategies to bring about positive change for the disenfranchised.

The central mission of the School of Social Work at Monmouth University is to prepare its graduates for professional social work practice that strives to secure social and economic justice, advance human rights, and improve the quality of life of vulnerable families, individuals, organizations, communities, and nations on the local, national, and global levels.

The B.S.W. Program prepares students for generalist professional social work practice. Secondarily, the B.S.W. Program prepares social work students for graduate social work education. The B.S.W. Program also introduces individuals within the University community to relevant social work and social welfare issues.

On the foundation of a liberal arts tradition, students are engaged to broaden and challenge their understanding, analysis, and evaluation of human experiences and societies in the past and in the contemporary world, and of families and individuals of varied cultural and social contexts.

The curriculum supports this mission through three perspectives:

- social and economic justice through the advancement of human rights,
- strengths-based empowerment, and
- practice with families within a global context.

Families within a global context define the initial focal social unit for all social work practice at Monmouth University.

Our three perspectives inform both our B.S.W. and M.S.W. programs as they contribute to the development of students' knowledge, values, and skills:

1. To conceptualize and contribute to social work theory, knowledge, values, and skills on a generalist level for B.S.W. students, and on an advanced, concentration-specific level for M.S.W. students through three interrelated perspectives: social and economic justice through the advancement of human rights, strengths-based empowerment, and practice with families within a global context;
2. To develop the skills to understand, analyze, and evaluate the quality of life and well-being of vulnerable families, individuals, organizations, communities, and nations that is grounded in a strengths-based empowerment approach for social and economic justice and human rights;
3. To prepare social work practitioners to develop and systematically apply knowledge, values, skills, and ethics in their work with families, individuals, organizations, communities, and nations of diverse cultural contexts in working collaboratively toward the prevention and solution of social problems;
4. To think critically, analyze, produce, and disseminate research that informs theory, policy, practice, and evaluation in social work;
5. To collaborate with and support vulnerable populations through advocacy, social action, volunteerism, service, education, and consultation, working from a strengths-based empowerment approach for social and economic justice and human rights.

School of Social Work Honor Society: Phi Alpha: Graduate and Undergraduate

Programs

Majors

- B.S.W. - Bachelor of Social Work (p. 407)
- B.S.W. in Social Work with Criminal Justice (p. 408)

Certificate

- Certificate in Gerontology (p. 409)

Minor

- Social Service (p. 409)

Faculty

Colleen Beach, Specialist Professor. B.A., University of Scranton; M.S.W., Monmouth University. Practice and teaching experience is in elder justice, hospice and palliative care, long term services and supports for older adults, practice with communities, and trauma informed care. She is a member of several organizations focused on elder justice, such as the National Adult Protective Services Association (NAPSA) and the American Society on Aging. She currently serves on the NAPSA Education Committee and on the New Jersey Division of Mental Health and Addiction Services Trauma Informed Care Workgroup.
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Michael Cronin, Associate Professor (Graduate Faculty). M.S.W., Columbia University; Ph.D., Yeshiva University. Research interests in areas of international social work, healthcare and social policy, disaster management, social gerontology, and cultural competence.
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Ralph Cuseglio, Associate Professor (Graduate Faculty). M.S.W., D.S.W., Rutgers University. Areas of interest include school social work, clinical social work, and psychotherapy.
rcusegli@monmouth.edu

Anne Deepak, Associate Professor (Graduate Faculty). B.A., Boston University; M.S., Ph.D., Columbia University. Areas of research interest are in the delivery of diversity and social justice content in social work education, the application of postcolonial feminist social work perspective to global social problems, and the dynamics of Global North-South partnerships.
adeepak@monmouth.edu

Christa Hogan, Senior Lecturer and B.S.W. Program Director. B.S.W., Monmouth University; M.S.W., Fordham University. Extensive practice

in geriatric social work as well as in specialized school settings working with special needs children. Her private practice focuses on individual counseling to children, adolescents, and adults. She also provides hospice services to the terminally ill.
chogan@monmouth.edu

Jeanne Koller, Assistant Professor (Graduate Faculty). B.B.A., University of Massachusetts; M.S.W., Hunter College of Social Work; Ph.D., Rutgers University.
jkoller@monmouth.edu

Golam M. Mathbor, Professor (Graduate Faculty). B.S.S., M.S.S., Bachelor of Law (LLB), University of Dhaka, Bangladesh; M.S.W., McGill University; Ph.D., University of Calgary. Areas of interest include development and analysis of social policies and services, community organizing and social action, social planning, community development and community participation, and international social work. Current research interests include sustainable development of coastal communities, international development, and multicultural social work.
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Jamie Nappi, Specialist Professor. B.S.W., College of Misericordia; M.S.W., Fordham University.
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Erin Nau, Lecturer. B.A., University of Northern Colorado; M.A., Springfield College.
enau@monmouth.edu

Sanjana Ragudaran, Associate Professor. BS.c., M.S.W., Flinders University, Australia; Ph.D., City Unviersity of New York. Areas of research interest include research advisory with community organizing groups, focusing on undocumented immigrants.
sragudar@monmouth.edu

Michelle Scott, Professor. B.A., Clark University; M.S.W., Ph.D., University of California, Berkeley. Areas of interest include adolescent depression, adolescent suicide prevention, school-based screening, mental health services and financing, college mental health, and initiation of alcohol use by adolescents. Current research incldues evaluation of the preparation of high school students with mental Health problems and the transition to college.
mscott@monmouth.edu

Paul Urbanski, Associate Professor (Graduate Faculty). B.F.A., University of Michigan; M.S.W., Columbina University; Ph.D., University of Albany, New York. Research interests include the impact of institutional settings on older adults and specifically on resident autonomy in long-term care facilities. Currently, he is interested in understanding the experiences of older adult Korean emigrants who have come to the U.S. as family caregivers.
purbansk@monmouth.edu

Joelle Zabotka, Associate Professor (Graduate Faculty). B.A., Drew University; M.S.W., Columbia University; Ph.D., Rutgers University. Social work clinician who continues to practice, with research interests in child mental health and development, parenting, substance abuse, and Fetal Alcohol Spectrum Disorders.
jzapotka@monmouth.edu

Courses

SW-105 Introduction to Social Work **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Social work and its professional practices, its goals, guiding philosophy, and basic assumptions; the uses of the professional relationship; roles of the professional social worker and collaborative activity in the helping process. Not open to students who have completed SO-105. Previously listed as SW-101.

SW-198 Special Topics in Social Work (100 Level) **Credits: 1-3**
Course Type(s): None
An intensive study of a particular subject or problem in social work to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

SW-199 Independent Study in Social Work **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Directed individual study of social work in areas of special interest. Prior permission of the directing professor and department chair is required to take this course.

SW-205 Global Human Rights and Social Justice **Credits: 3**
Term Offered: All Terms
Course Type(s): BI.EL, GU, SJS, SUS
Examines social issues and injustices from a global perspective. A central focus will be the struggles of individuals, families, and communities from around the world. Introduces the student to the concepts of social justice, human rights, social welfare and oppression, and discusses ways to promote social welfare from a human rights and social justice perspective.

SW-223 Human Behavior and Social Environment **Credits: 3**
Prerequisite(s): SW-105 or SW-205
Co-requisite(s): BY-104 or BY-105
Term Offered: All Terms
Course Type(s): HY
A study of significant life tasks in the physical, social, and emotional development of the individual.

SW-260 Alcohol and Drugs **Credits: 3**
Prerequisite(s): SW-105 or PY-103 or SW-205
Course Type(s): None
Addresses the special population in social work, specifically the substance abusing population. Through lecture, small group exercises, and films, the course will educate the students as to what are substance abuse and addiction, what treatment options are available, how to determine the appropriate treatment, as well as different forms of therapy and relapse-prevention work.

SW-261 Diagnosing Mental Health Issues **Credits: 3**
Prerequisite(s): SW-105 or PY-103 or SW-205
Term Offered: Fall Term
Course Type(s): None
A detailed explanation of the DSM IV and its practical use in the social work profession. Cultural applications, as well as international implications and the accurate assessment terminology, will be discussed.

SW-263 Family Counseling **Credits: 3**
Prerequisite(s): SW-105 or PY-103 or SW-205
Course Type(s): None
Introduces students to the assessment and treatment of various family systems. A continuation of the ecological perspective of systems theory and social work practice illustrated in Human Behavior and the Social Environment and Social Work Practice Techniques I. Ethnic, culture, and gender issues are included as they apply to families. Family violence, substance abuse, adolescence conflict, and marital discord are among the topics discussed.

SW-264 Addictions **Credits: 3**
Prerequisite(s): SW-105 or PY-103
Course Type(s): None
Addresses the addictions component of social work. Working with the clients and families to address the unbalance and dysfunction in their lives through assessment, treatment planning, and individual, group, and family therapy. Covering eating disorders, gambling, nicotine, sexual addiction, and workaholism.

SW-265 Creative Therapies **Credits: 3**
Prerequisite(s): SW-105 or PY-103 or SW-205
Course Type(s): None
With creative and interactive approaches, the students will recognize and appreciate their personal experiences to better assess the needs of their clients, as well as enhance conventional therapeutic methods. Also introduces alternate approaches to talk therapy to work with specialized client groups, such as young, traumatized, or non-verbal clients.

SW-266 Spirituality and Social Work **Credits: 3**
Prerequisite(s): SW-105 or PY-103 or SW-205
Course Type(s): None
Explores spirituality as it broadly relates to the profession of social work. Holistic concepts under the definition of spirituality will be explored. The many ways spirituality can be used in social work practice settings will be discussed. Methods of spiritual practice and approaches to healing will be covered. Spirituality will be differentiated from formal religion.

SW-276 Administration of Gerontological Services **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
The examination of the theory and practice of the administration of programs designed to meet the needs of older adults, with an emphasis on structure of organizations, impact of public policies and funding patterns on agencies, styles of administration, development and presentation of a budget, management of public information, and relationships with other gerontological agencies.

SW-278 Family Violence **Credits: 3**
Term Offered: Spring Term
Course Type(s): GS
The characteristics and dynamics of violent families. Emphasis on the issue of domestic violence as it relates to cultural values and beliefs. Myths, motivations, and linkages to substance abuse will be addressed, as well as appropriate interventions and treatment methods.

SW-298 Special Topics in Social Work (200 Level) **Credits: 1-3**
Term Offered: Spring Term
Course Type(s): None
An intensive study of a particular subject or problem in social work to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

SW-299 Independent Study in Social Work **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Directed individual study of social work in areas of special interest. Prior permission of the directing professor and department chair is required to take this course.

SW-317 Racism, Sexism, and Social Welfare **Credits: 3**
Term Offered: Spring Term
Course Type(s): CD, GS
Analysis of institutional racism and sexism in relation to social welfare; the nature of social work intervention with racial and ethnic minorities and women.

SW-324 Environmental Justice and Sustainable Development in Social Work **Credits: 3**
Term Offered: Fall Term
Course Type(s): GU, HY
This course will address environmental justice and sustainable development in social work using a social justice and human rights framework embodied in Green Social Work and the UN Sustainable Development Goals. The course will highlight social work skills, knowledge and values necessary for working with communities, groups and organizations on issues of environmental justice and sustainable development. Social work pathways to facilitating environmental justice will be explored and developed, grounded in local and global policy and program solutions that "promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all".

SW-326 Social Welfare Policy and Services **Credits: 3**
Prerequisite(s): SW-223 and either EN-101 or EN-102
Term Offered: Spring Term
Course Type(s): WT
Dimensions of choice in social welfare policy design; eligibility for service; structures, staffing, and funding for services; theoretical material related to current developments and services in the field.

SW-332 Gender and Sexual Identities **Credits: 3**
Prerequisite(s): SO-101
Term Offered: Spring Term
Course Type(s): CD, GS, SI, SJS
Draws on sociological and feminist theories of identity to question the definitions, constructions, deconstructions, ambivalences, and socially constructed nature of gender and sexual identities. In questioning such identities, this course aims at helping students understand the connections between gender and sexuality, and how those two social forces shape people's individual identities and the identities of others. The course examines how structure of race, class, gender, and sexuality, and social institutions such as family and work shape gender and sexual identities. It pays particular attention to how one's social location within power structures shapes personal identities. Also listed as SO-332.

SW-341 Social Work Practice with Groups **Credits: 3**
Prerequisite(s): SW-223 passed with a grade of C or higher
Term Offered: Fall Term
Course Type(s): None
Methods and skills utilized in generalist social work practice; major methods of social work intervention with individuals, groups, and communities using case analysis and theoretical concepts.

SW-342 Social Work Practice with Individuals and Families Credits: 3
Prerequisite(s): SW-105 and SW-223 both passed with a grade of C or higher
Co-requisite(s): SW-342L
Term Offered: Spring Term
Course Type(s): EX5
Methods and skills utilized in generalist social work practice; major methods of social work intervention with individuals, groups, and communities using case analysis and theoretical concepts. Students complete 100-hour internship.

SW-342L Social Work Practice with Individuals and Families Lab Credits: 1
Prerequisite(s): SW-223
Co-requisite(s): SW-342
Term Offered: Spring Term
Course Type(s): None
Designed to provide students with a hands-on experience with the assessment skills and tools taught in Social Work Practice with Individuals and Families class (SW-342). Students will become familiar with videotaping equipment and will develop strong assessment skills to be used with clients in the field. For Social Work majors only.

SW-344 Social Work Practice with Communities Credits: 3
Prerequisite(s): SW-223
Term Offered: Spring Term
Course Type(s): None
Examines conceptual models of community social work; development of skills to help promote social change.

SW-371 International Service Seminar Credits: 3
Prerequisite(s): PS-102
Term Offered: Spring Term
Course Type(s): PSIP
Students will learn to unite theory and practice by studying theories and policies based on human security, and learning about their applications through service-learning projects. Students will enhance their understanding of human security by volunteering in international community organizations and reflecting on the social, political, and economic factors and policies that affect them. Also listed as PS-371, AN-371 and SO-371.

SW-383 Migration and Intercultural Cooperation Credits: 3
Course Type(s): GU, RE
Students will become familiar with issues and strategies to deal with immigrant populations effectively. Discussions will be directed towards increasing intercultural cooperation, respect for the principle of peaceful co-existence, and diversity as a strength for economic growth and societal progress. Emphasis will also be given to the theories related to ethnicity, race, culture, and geographic location of the origin of immigrant populations. Special attention will be given to the diverse issues that arise from the varied cultural backgrounds of immigrants and refugees. Students will learn skills related to culturally appropriate and tailored interventions. Experiential learning will be utilized. Prepares students using a strength-based empowerment approach to effectively utilize required resources serving the needs of diverse, immigrant populations.

SW-398 Special Topics in Social Work (300 Level) Credits: 1-3
Course Type(s): None
An intensive study of a particular subject or problem in social work to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

SW-399 Independent Study in Social Work Credits: 1-3
Term Offered: All Terms
Course Type(s): None
Directed individual study of social work in areas of special interest. Prior permission of the directing professor and department chair is required to take this course.

SW-409 Social Work Research Methods Credits: 3
Prerequisite(s): EN-101 and EN-102
Co-requisite(s): SW-421
Term Offered: Fall Term
Course Type(s): WT
Basic skills necessary for Social Work research: problem formulation, theoretical framework development, research design, methods of data collection, evaluation techniques, and data analysis.

SW-411 Data Analysis for Social Work Credits: 3
Prerequisite(s): MA-105; this course is for Social Work majors only
Course Type(s): None
Introduction to the basic knowledge and skills necessary for the analysis of data collected or reported in social work research. Preparation for the social work practitioner to assess the adequacy of statistical procedures and to appropriately choose statistical procedures to make order out of data collected within their own research. Not open to students who have successfully completed MA-151. Limited to Social Work majors.

SW-412 Practice Evaluation in Social Work Credits: 3
Prerequisite(s): SW-409, SW-411 or MA-151, Senior standing, and EN-101 and EN-102
Co-requisite(s): SW-422
Term Offered: Spring Term
Course Type(s): None
Applications of research methods to social work practice. Using skills in practice evaluation, advanced research in single-system design will be conducted.

SW-421 Field Practice in Social Work Credits: 6
Prerequisite(s): SW-342 and SW-344 both passed with a grade of C or higher.
Co-requisite(s): SW-409 or CJ-315 (for CJ/SW majors).
Term Offered: Fall Term
Course Type(s): EX5
Supervised experience in a social agency; direct work with individuals, groups, or communities; preparation for professional responsibility upon graduation. Sixteen hours per week in placement and a weekly seminar at the University.

SW-422 Advanced Field Practice in Social Work Credits: 6
Prerequisite(s): SW-421 passed with a grade of B- or higher.
Co-requisite(s): SW-412 or CJ-490 (for CJ/SW majors).
Term Offered: Spring Term
Course Type(s): EX5
Advanced field practice; direct services to individual clients, families, groups, and communities, with the possibility of administrative experiences. Sixteen hours per week in placement and a weekly seminar at the University.

SW-424 New Perspectives on Human Sexuality Credits: 3
Prerequisite(s): 9 credits from either Social Work, Sociology, Psychology or Anthropology
Course Type(s): None
Recent research and developments in the field of human sexuality focusing on individual and social problems.

SW-426 Seminar in Social Work **Credits: 3**
Prerequisite(s): EN-101, EN-102, SW-421 and Senior standing
Term Offered: Spring Term
Course Type(s): WT
Seminar focusing on topics of particular interest to Social Work students planning to enter practice or graduate school.

SW-461 Culturally Diverse Child Welfare Practices **Credits: 3**
Term Offered: All Terms
Course Type(s): CD, RE
Provides an understanding of the context from which the practice of child welfare originates, examining the impact of policy upon the direct care of children at risk. Contemporary issues that face children at risk such as sexual abuse, neglect, physical abuse, poverty, and maternal substance abuse are covered, as well as recommended services and treatment that address these concerns. Public child welfare in New Jersey will be of central focus, including the impact and changes of the system's reform plan. In addition, issues of cultural diversity and cultural difference in child welfare practices and child rearing behaviors will be reviewed, with a focus on how the child welfare system could better infuse diversity of experience in policy and practice.

SW-498 Special Topics in Social Work (400 Level) **Credits: 1-3**
Prerequisite(s): SW-421
Term Offered: Spring Term
Course Type(s): None
An intensive study of a particular subject or problem in social work to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If there is a prerequisite for this course it will be announced in the course schedule.

SW-499 Independent Study in Social Work **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
Directed individual study of social work in areas of special interest. Prior permission of the directing professor and department chair is required to take this course.

B.S.W. Bachelor of Social Work (SW.BSW)

Code	Title	Credits
Major Requirements/Social Work (43 credits)		
SW-105	Introduction to Social Work [1]	3
SW-223	Human Behavior and Social Environment [1]	3
SW-342	Social Work Practice with Individuals and Families	3
SW-342L	Social Work Practice with Individuals and Families Lab	1
SW-409	Social Work Research Methods	3
SW-326	Social Welfare Policy and Services	3
SW-205	Global Human Rights and Social Justice	3
(Satisfies Global Understanding (GU) in General Education)		
SW-344	Social Work Practice with Communities	3
SW-412	Practice Evaluation in Social Work	3
SW-341	Social Work Practice with Groups	3
SW-421	Field Practice in Social Work	6
SW-422	Advanced Field Practice in Social Work	6
SW-426	Seminar in Social Work	3
Interdisciplinary Requirements (33-36 credits)		
PY-103	Introduction to Psychology	3
(Satisfies Social Science (SS.SV) in General Education)		
PS-103	American National Government	3
BE-200	Economics for Social Science [2]	3
or SO-272	Economic Inequality	
Select one of the following:		3-6
MA-151	Statistics with Applications	
MA-105 & SW-411	Mathematical Modeling in the Social Sciences and Data Analysis for Social Work	
(MA-105 or MA-151 satisfy Mathematics in General Education)		
Select 6 credits in Psychology (PY) at the 200-level or higher		6
SO-101	Introduction to Sociology	3
(Satisfies Social Science (SS.SV) in General Education)		
AN-103	Cultural Anthropology	3
Select 6 additional credits from Anthropology (AN), Sociology (SO), or Social Work (SW) at the 200-level or higher		6
BY-105	Introductory Biology and Human Development	3
or BY-104	Human Biology	
(Partially satisfies Natural Science (NS) in General Education)		
Free Electives (11 credits) [3]		
Select up 11 credits of free electives [3]		11
General Education Requirements (30 credits) [4]		
Complete 30 credits as outlined on the General Education table. [4]		30
Total Credits		**120**

[1] *With instructor's permission SW-105 Introduction to Social Work (3 cr.) and SW-223 Human Behavior and Social Environment (3 cr.) may be taken concurrently*
[2] SO-272 may be re-used to fulfill AN/SO/SW 200+ elective
[3] *Please consult with your advisor regarding the required number of free electives that must be completed. If you complete MA-105 and SW-411 then there are 11 available free credits. Taking MA-151 will allow 14 available free credits.*
[4] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(p. 44) courses must be completed.*

Sequence Chart

First Year

Fall	Credits	Spring	Credits
EN-101 College Composition I	3	EN-102 College Composition II	3
World Language Course (Gen*Ed)	3	SO-101 Introduction to Sociology (SS.SV)	3
MA-105 Mathematical Modeling in the Social Sciences or 151 (and SW-411 if taking MA-105 (Gen*Ed Mathematics)	3	AR, MU, TH, DA (Gen*Ed Aesthetics (AT)	3
SW-105 Introduction to Social Work	3	BY, CE, GL, GS, SC (Gen*Ed Natural Science (NS)	3

PY-103 Introduction to Psychology (SS.SV)	3	HS-xxx (Gen*Ed Historical Perspectives (HS.SV)	3
Semester Credits	**15**	**Semester Credits**	**15**
Second Year			
Fall	**Credits**	**Spring**	**Credits**
EN-2xx (Gen*Ed Literature (LIT)	3	AN-200+, SO-200+ or SW-200+ elective	3
AN-103 Cultural Anthropology	3	PY-200+ Elective	3
PS-103 American National Government	3	IT-100 Information Technology	3
BY-104 Human Biology or 105 (Gen*Ed Natural Science (NS)	3	SW-326 Social Welfare Policy and Services	3
SW-223 Human Behavior and Social Environment	3	HU-201 Critical Discourse	3
Semester Credits	**15**	**Semester Credits**	**15**
Third Year			
Fall	**Credits**	**Spring**	**Credits**
SW-205 Global Human Rights and Social Justice (GU)	3	Free Electives	6
PY-200+ Psychology Elective	3	SW-342 Social Work Practice with Individuals and Families	3
AN-200+, SO-200+ or SW-200+ Elective	3	SW-342L Social Work Practice with Individuals and Families Lab	1
SW-341 Social Work Practice with Groups	3	SW-344 Social Work Practice with Communities	3
Free Elective	3	SO-272 Economic Inequality or BE 200	3
Semester Credits	**15**	**Semester Credits**	**16**
Fourth Year			
Fall	**Credits**	**Spring**	**Credits**
SW-409 Social Work Research Methods	3	SW-412 Practice Evaluation in Social Work	3
SW-411 Data Analysis for Social Work[1]	3	SW-422 Advanced Field Practice in Social Work	6
SW-421 Field Practice in Social Work	6	SW-426 Seminar in Social Work	3
Free Elective[2]	2	PR-xxx Gen*Ed Interdisciplinary Perspectives (ISP)	3
Semester Credits	**14**	**Semester Credits**	**15**
Total Credits 120			

[1] *SW-411 is only required if MA-105 was completed.*
[2] *Additional 3 credits of free electives are required if MA-151 was completed during the Fall of Semester 1.*

Notes

- 54 credits must be completed at the 200 level or higher.

B.S.W. In Social Work with Criminal Justice (SWCJ.BSW)

Code	Title	Credits
Major Requirements/Social Work (63-64 credits)		
CJ-101	Introduction to Criminal Justice	3
CJ-205	Corrections	3
CJ-225	Law Enforcement	3
CJ-241	Criminology	3
CJ-305	Criminal Law	3
CJ-325	Criminal Procedure	3
CJ-350	Ethical Issues in Criminal Justice	3
SW-105	Introduction to Social Work	3
SW-223	Human Behavior and Social Environment [1]	3
SW-326	Social Welfare Policy and Services	3
SW-409	Social Work Research Methods [2]	3
SW-344	Social Work Practice with Communities	3
SW-412	Practice Evaluation in Social Work	3
SW-341	Social Work Practice with Groups	3
SW-421	Field Practice in Social Work	6
SW-422	Advanced Field Practice in Social Work	6
Select one of the following:		3-4
CJ-375	Internship in Criminal Justice	
SW-342 & 342L	Social Work Practice with Individuals and Families and Social Work Practice with Individuals and Families Lab	
CJ-315	Research Methods [2]	3
or SW-409	Social Work Research Methods	
CJ-490	Seminar in Criminal Justice	3
or SW-426	Seminar in Social Work	
Interdisciplinary Requirements (33-36 credits)		
PY-103	Introduction to Psychology	3
(Satisfies Social Science (SS.SV) in General Education)		
PS-102	International Relations	3
or PS-103	American National Government	
BE-200	Economics for Social Science	3
or SO-272	Economic Inequality	
Select one of the following:		3-6
MA-151	Statistics with Applications	
MA-105 & SW-411	Mathematical Modeling in the Social Sciences and Data Analysis for Social Work	
(MA-105 or MA-151 satisfy Mathematics in General Education)		
Select 3 credits in Psychology (PY) at the 200-level or higher		3
Select 3 credits in Criminal Justice (CJ) at the 200-level or higher		3
SO-101	Introduction to Sociology	3
(Satisfies Social Science (SS.SV) in General Education)		
AN-103	Cultural Anthropology	3
SW-205	Global Human Rights and Social Justice (Satisfies Global Understanding (GU) in General Education))	3
(Satisfies Global Understanding (GU) in General Education)		
BY-105	Introductory Biology and Human Development	3
(Partially satisfies Natural Science (NS) in General Education)		
Select 3 additional credits from Anthropology (AN), Sociology (SO), or Social Work (SW) at the 200-level or higher		3
General Education Requirements (30 credits) [3]		

Complete 30 credits as outlined on the General Education table. [3]	30
Total Credits	**126-130**

[1] *With instructor's permission SW-105 Introduction to Social Work (3 cr.) and SW-223 Human Behavior and Social Environment (3 cr.) may be taken concurrently*

[2] *Can be fulfilled with CJ-315 or SW-409.*

[3] *The General Education curriculum requires the completion of 45 credits. However, students may be able to share credits from within their major or interdisciplinary requirements. Please consult with your advisor to determine which* General Education *(p. 44) courses must be completed.*

Notes

- 54 credits must be completed at the 200 level or higher.

Minor in Social Work (MIN.SOCS)

Code	Title	Credits
SW-105	Introduction to Social Work	3
SW-223	Human Behavior and Social Environment	3
SW-341	Social Work Practice with Groups	3
SW-326	Social Welfare Policy and Services	3
SW-342	Social Work Practice with Individuals and Families	3
SW-342L	Social Work Practice with Individuals and Families Lab	1
Total Credits		**16**

Note

- Not Available to Social Work Majors

Gerontology (CERT.GER)

Code	Title	Credits
Requirements (15 credits)		
Select five of the following:		15
HE-235	Human Aging	
HE-365	Wisdom, Wellness and Aging	
PR-433	Death and Dying	
PY-205	Psychology of Adulthood and Aging	
SO-397	The Sociology of Aging	
SW-276	Administration of Gerontological Services	
Total Credits		**15**

STUDENT LIFE

The Division of Student Life at Monmouth University offers many important services for resident and commuter students, undergraduates, and graduate students as well. Staff members promote personal and intellectual growth through a variety of programs and services while aiding students in resolving problems and helping them transition to the college experience. The Student Handbook is available on-line and provides students with the policies and practices relevant to student life. Students should become familiar with the handbook at the start of every academic year.

Orientation

A student's introduction to student life at Monmouth begins even before classes start. All new students participate in orientation programs designed specifically for their needs.

First-year Students

All new first-year students, commuters and residents, are expected to attend New Student Orientation. This structured program includes educational and engagement activities designed to ease the transition to college life at Monmouth and to give students opportunities to meet and interact with other new students. During orientation, students meet faculty, staff, and students with whom they'll be interacting during the first year.

Throughout the academic year, many programs are offered to continue the transition process.

Families of first-year students have the opportunity to learn about campus services through our Family Orientation. In the fall parents/families are invited to campus to participate in Family Weekend, which traditionally takes place in late September or October.

Transfer Students

The Center for Student Success (CSS) coordinates the connections between transfer students (with eighteen or more credits) and their academic departments to ensure a smooth transition to Monmouth University. In addition to their assigned faculty advisors, the CSS serves as another level of support for their transition to Monmouth University. We encourage all incoming transfer students to attend transfer orientation, which is coordinated by the CSS prior to each semester. Orientation programs afford new transfer students the ability to connect with their peers and to learn about resources to guide their progress toward graduation and life after Monmouth.

Housing Options

Residents

The University offers a variety of housing options in fifteen locations: Beechwood, Cedar, Mullaney, Spruce, Willow, Laurel, Elmwood, Pinewood, Oakwood, Redwood, and Hesse Halls; as well as Maplewood Hall, the Garden, Great Lawn, and University Bluffs apartment complexes. Living styles include traditional room arrangements designated for first-year students; suite style, usually for second-year and upper-class students; and apartments for juniors and seniors. Residence halls are typically co-ed by floor/wing/room based on the building's configuration, and the majority of students share double rooms. In an effort to make a comfortable match, new students are asked to complete a questionnaire before room assignments are made. First-year and sophomore housing is guaranteed for students who submit the required enrollment along with their housing deposits and housing contract by the required deadline; as well as out-of-state undergraduate students. For first-year students, the deadline is May 1. All first- and second-year undergraduate students of the University who do not live with a parent/guardian must live in a residence hall and participate in one of the University's board plans. The University acknowledges the diverse needs of students and therefore reserves the right to grant permission for a first- or second-year student to live off campus on a limited case-by-case basis. Graduate students are typically assigned to double occupancy assignments at our off-campus apartments, University Bluffs based on space availability.

Each residential area is staffed by full-time professional Area Coordinators who reside on campus. Each hall is staffed by Resident Assistants, or Community Assistants, all of whom are intensively trained in providing assistance, information, activities, and programs for resident students. The Vice President for Student Life, Director of Housing Operations, and
Associate Director of Residential Life reside near campus and provide additional, professional support for the Residence Life program.

All on-campus halls provide laundry facilities that utilize a smartphone app. All resident students not living in University-owned or -sponsored apartments are required to be on a meal plan. These meal plans are not transferable and all meals are allocated to a single student. Students may choose either a carte blanche plan, which allows you unlimited access to the Residential Dining Hall, or one of three "block" meal plans, which provides students with a set number of meals for the semester. First-year students may not select a "block" lower than 195 until their sophomore year. All block meal plans grant students access to dine at the Residential Dining Hall and the Student Center.

Depending on individual needs, cars may not be a necessary part of campus living, as everything is generally within walking distance of campus. Many students use bicycles to get around campus and the surrounding community. Parking is extremely limited and a parking decal purchased through MUPD is required. Students are discouraged from having cars on campus so they may fully experience university life and all that it has to offer.

Student Services

Commuters

At Monmouth University, we know that commuter students have unique needs, and we are here to support you every semester. Whether you're a traditional, non-traditional, full-time, part-time, graduate, or undergraduate student, we have resources and guidance just for you through the Division of Student Life.

If you're an incoming first-year commuter, you can join our Commuter Mentor program. This program offers support from a student commuter mentor helping you to settle in and succeed.

Want to get involved? Reach out to the Office of Student Engagement at 732-571-3586, or check out any of the 100+ clubs listed in the Monmouth University Student Handbook. There are plenty of extra-curricular events and leadership opportunities throughout the semester, and we plan activities during the day so you can easily join in.

Feeling hungry? We've got you covered with various commuter meal plans by Gourmet Dining. You can enjoy breakfast, lunch, dinner, and late night snacks at several spots on campus, like the Rebecca Stafford

Food Court, Dunkin' Donuts, Jersey Mike's, Magill Commons Dining Hall, Plangere Center, and the Convenience Store in Hesse Hall. You can pay with a meal plan, declining balance, cash or credit. We suggest getting a meal plan for convenience - just contact the Office of Residential Life at 732-571-3465 for details.

Need parking? Parking on campus is hassle-free for commuters. You can find spots any time, day or night, and there's no fee for a commuter parking decal. For more information, call 732-263-5651 or visit our website: Commuter Resources (https://www.monmouth.edu/off-campus-and-commuter-services/). We are here to make your time at Monmouth University enjoyable and engaging!

Health Services is open to all students whether they live on or off campus. All students, aged thirty (30) years or younger, must show proof of two measles, two mumps, and one rubella immunization and if taking nine (9) or more credits, must show proof of having completed the Hepatitis B series. All new Monmouth University students ≤18 years of age, both residential and commuter and any student regardless of age living in campus sponsored housing, must show proof of a dose of the meningitis vaccine (MenACWY) on or after their 16th birthday. Students are recommended, not required, to be COVID vaccinated and stay up-to-date with COVID vaccinations including additional doses when eligible. Documentation of all required immunizations needs to be uploaded to the private and confidential student account in the Student Health Portal. In order to provide personalized and comprehensive care, students are encouraged to complete the online Health History form and upload a copy of their current health insurance card into the Student Health Portal. Students are seen at the on-campus Health Center on a walk-in basis and by appointment for specialty services. Students are responsible for any costs incurred for outside referrals, prescriptions, off-campus providers, laboratory and diagnostic procedures. Services include: diagnosis and treatment of common ambulatory illnesses and injuries, immunizations, allergy injections, physicals, women's services, and rapid testing for influenza, strep, mono and COVID.

The Health Center hours during the academic semester are: Monday through Friday, 8:45 a.m. to 5:00 p.m. Health Services is staffed with two nurse practitioners, one nurse practitioner/director and a part-time general physician. Additional information can be obtained by calling 732-571-3464 or going to: https://www.monmouth.edu/health-services.

There are several hospitals within two to six miles of campus that offer complete medical and psychiatric services should the student require a higher level of care. For on-campus medical emergencies call 732-571-4444.

Counseling and Prevention Services (CPS) assists students in their personal growth and development through clinical counseling and psycho-educational programming. CPS offers free episodic counseling to reduce symptoms and support students in addressing mild to moderate general mental health and substance use concerns. Services are provided by licensed counseling professionals or graduate-level trainees, supervised by licensed professionals. Through collaborations with Monmouth Medical Center, Uwill.com, and other agencies, 24-hour services are available for mental health crises. The office is one component of the integrative team of health professionals at the University providing holistic care for students' well-being.

Students may call **732-571-7517** to schedule an appointment for counseling or to request additional information. CPS is open Monday through Friday from 8:45 am to 5:00 pm when the University is open. For additional information, students may also e-mail CPS (mucounseling@monmouth.edu) directly. Information can also be found on the CPS Web site (http://www.monmouth.edu/counseling/). The office is located on the third floor of the Rebecca Stafford Student Center.

The Global Education Office provides assistance to students and faculty from other countries with their adjustment to life in the United States and Monmouth University. The Assistant Director for International Students and Faculty Services and the International Student Advisor are available to provide immigration counseling, academic and career planning support, and access to extra-curricular activities such as the International Club.

The Office of Student Support and Veteran Services serves two primary functions. One is to work with students that are experiencing some difficulty or challenge outside of the classroom that may prevent them from being a successful student. The second is to serve as a primary point of contact for student veterans, active duty personnel and dependents of military personnel at the University and to coordinate a comprehensive program of support and advocacy services. This position also serves as the University's School Certifying Official for verification and eligibility of veteran benefits. Office hours are Monday through Friday from 8:45am to 5:00pm. You may reach the office at 732-263-5258 or via email at veteraninfo@monmouth.edu.

Co-Curricular Programs

Athletics

Athletics constitute an integral part of a Monmouth University education. The NCAA Division I athletic program offers excellent opportunities for qualified athletes who wish to participate, and a special level of enthusiasm and excitement for the entire University community.

The athletics program fields men's varsity teams in baseball, basketball, cross-country, football, golf, indoor track and field, lacrosse, soccer, swimming, tennis, and outdoor track and field. Women's varsity teams participate in basketball, bowling, cross-country, field hockey, golf, indoor track and field, lacrosse, soccer, softball, swimming, tennis, and outdoor track and field.

Student Engagement

The Office of Student Engagement provides extra-curricular programs and opportunities that are intended to assist in the social, cultural, emotional, and intellectual development of our students. The office advises the Student Activities Board in presenting a variety of entertainment and educational activities for the campus community. It provides guidance, support and oversight of the University's 14 nationally recognized fraternities and sororities. It encourages student participation in clubs and organizations, is involved in the coordination of campus and multicultural activities, provides leadership experience for students and their organizations, and provides supports regular weekend programming efforts. The office also sponsors a fall and spring Involvement Fair and provides student group and leader recognition opportunities throughout the academic year.

Student Organizations

There are more than 125 different clubs and organizations on campus. Active involvement in such groups helps a student develop new leadership skills, support their career development goals, and meet new friends. Students can select from clubs related to their majors or take the opportunity to join something related to a special interest or hobby.

All groups are student-developed and student-run. Each year the Office of Student Engagement hosts an Involvement Fair at the beginning of the fall and spring semesters to assist students in getting connected to one of the many clubs or organizations. Students should check the Experience Monmouth app, the bulletin boards, social media sites, e-mail, electronic boards, and the student newspaper *(The Outlook)* to learn more about club activities throughout the year.

Student Center

An integral part of Monmouth's overall campus life program, the Student Center serves as a gathering area for all segments of the University community. Offering both comfortable and inviting outdoor and indoor space, the Student Center is where students meet informally and formally to share common interests and develop friendships. The Student Center includes dining facilities, lounges, meeting rooms, computer labs, an ATM, and a large multi-purpose room that is the site of many campus and community events. The facility also houses the Student Government Association, the Student Activities Board, and many student organization offices.

The Student Center is the site of a number of student services offices including, but not limited to, the Division of Student Life, the Center for Student Success, Career Development, First Year Advising, Student Engagement, Judicial Affairs, Office for Disability Services, Student Support and Veteran Services, and the Office of Counseling and Prevention Services.

Student Activities Board

The Student Activities Board (SAB) is a student organization advised by the Office of Student Engagement. Concerts, speakers, comedians, bus trips, novelty programs and festivals are among the many events sponsored. The SAB presents numerous opportunities for students to become involved both as spectators and as active board members. Students can join any of the nine committees, which include: Novelty, Awareness, Diversity Programs, Special Events, Comedy, Concerts, Festivals, Travel and Tour, and Major Concerts. Involvement in SAB may relate to a student's major or may just be for fun.

Cultural Activities

The Department of Music and Theatre Arts, housed in the Lauren K. Woods Theatre, offers a wide ranging schedule of concerts, recitals, and theatrical productions during the academic year, and a professional theatre, the Shadow Lawn Stage, in the summer. The department offers performance opportunities in concert chorus, chamber choir, glee clubs, chamber orchestra, jazz band, and pep band, rock ensembles and the Blue Hawk House Band. Applied music study is offered to all students in voice, piano, woodwinds, brass, guitar, strings, and percussion.

The award winning Center of the Arts presents a rich array of performances by nationally and internationally recognized artists in dance, theatre, contemporary, classical, and folk music; as well as children's theatre, film screenings, visiting writers, gallery exhibitions, live screenings of the Met Opera, the National Theatre of London, the Bolshoi Ballet, and much more! Students receive a FREE ticket for two performing arts series events each semester; tickets to all other ticketed events are only $5, with the exception of free events. For more information and a full schedule of events, please visit Monmouth Arts (http://www.monmouth.edu/arts/).

While Monmouth has no religious affiliation, it does recognize the important place that religion has in the lives of many of its students. The Catholic Center, the Muslim Student Association, and Chabad are all active on campus. In addition, churches and synagogues representing the major religious faiths are within convenient reach of the campus and are available for services and personal counseling. A listing of area places of worship is available at the Office of Student and Community Services.

Recreation

The William T. Boylan Gymnasium provides facilities to support intramurals and recreation, including a swimming pool, two full basketball courts, and a bowling center. Outdoor facilities available to students for their recreational use include: an eight-lane track, Field Turf football/lacrosse, and soccer fields.

There is a year-round Intramural Sports Program, which includes games and sports such as basketball, dodgeball, flag football, softball, volleyball, three-point contest, knockout, Baggo, and soccer. The Wellness Program includes personal training and group fitness classes like Zumba, Yoga, Bootcamps, Abs Legs and Butt, and Kickboxing. There are many club sports on campus that include dance, men's and women's soccer, men's and women's lacrosse, field hockey, wrestling, women's volleyball, track and field, e-sports, sailing, softball, baseball, and men's and women's basketball.

Societies

Greek Letter Organizations

Currently there are 14 fraternities and sororities at Monmouth University.

The student organizations contained within this list are the only fraternities and sororities with official recognition by the University. Any other fraternity or sorority not having University recognition is not one that is supported by the University.

The fraternities include:

- Kappa Sigma
- Lambda Theta Phi Latin Fraternity, Inc.,
- Omega Psi Phi Fraternity, Inc.,
- Phi Kappa Psi,
- Sigma Pi,
- Sigma Tau Gamma, and
- Tau Delta Phi.

The sororities include:

- Alpha Kappa Alpha Sorority, Inc.,
- Alpha Omicron Pi,
- Alpha Sigma Tau,
- Alpha Xi Delta,
- Chi Upsilon Sigma National Latin Sorority, Inc.
- Delta Phi Epsilon,
- Lambda Theta Alpha Latin Sorority, Inc., and
- Phi Sigma Sigma.

Honor Societies

Academic departments sponsor honor societies to give recognition to outstanding scholarship in a particular area. Student Life does not oversee academic honor societies.

Omicron Delta Kappa, a national leadership society, recognizes upper-class students who have demonstrated leadership on campus. Phi Eta Sigma is a freshman leadership honor society acknowledging academic excellence and involvement in student activities.

The Gamma Sigma Alpha, National Greek Academic Honor Society and Order of Omega recognize fraternity and sorority members who have achieved high levels of academic success and leadership within their organizations.

Student Code of Conduct

Monmouth University offers its students the opportunity for maximum intellectual and personal growth by providing a variety of experiences, activities, and services that are designed to complement classroom work and provide opportunities for individual maturation.

The University recognizes and respects the students' personal freedom and assures maximum individual liberty within the limits necessary for the orderly operation of the University. In response, students must observe rules and regulations necessary for the proper functioning of the institution.

Each individual has the right and responsibility to bring to the attention of an administrative or Student Government official any violations of personal freedom or the regulations of the University.

Additional information regarding the Student Code of Conduct is contained in the Student Handbook. The Student Handbook (http://www.monmouth.edu/studenthandbook/) is available online.

Awards

Students are eligible for nonacademic awards that are given annually at the May Commencement.

Outstanding Student Award

The Student Government Association sponsors this award which is given to the graduating senior who, through his, her, or their creative leadership and ability, has made a contribution of lasting value to the future of Monmouth University. Students who are nominated must be in good standing with the University (i.e., academic, judicial, financial) in order to be considered for this recognition. The announcement of the winner takes place at the May Commencement.

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Viacom/Nickelodeon Networks
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President of Care Transformation Services and Physician Practices
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Purpose Linked Consulting (PLC)

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CEO, OceanFirst Bank
Red Bank, NJ

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Monmouth Conservation Foundation
Middletown, NJ

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President
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Wayside, NJ

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OceanFirst Bank
Red Bank, NJ

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Director of Diversity and Inclusion
Morgan Stanley Investment Management

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Managing Director
Morgan Stanley
Red Bank, NJ

Mark J. Skesavage '11M (2021)
Chief Executive Officer
JMS Plastics Supply, Inc.
Neptune, NJ

Carol A. Stillwell (2012)
President/CEO
Stillwell-Hansen, Inc.
Edison, NJ

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Middletown, NJ

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Retired, President
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Little Silver, NJ

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Palm Beach Gardens, FL

Charles T. Parton, HN '01 (1987)
Little Silver, NJ

Thomas A. Porskievies '82, '86M (1998)
Senior Lead Engineer
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Belcamp, MD

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President
SJP Properties
New York, NY

Robert B. Sculthorpe '63 (2003)
New York, NY

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Provost and Senior Vice President for Academic Affairs
B.A., Drew University;
M.A., College of William and Mary;
Ph.D., University of Pennsylvania

Charlene K. Diana, Esq. (2005)
Vice President and General Counsel
B.A., John Jay College of Criminal Justice;
J.D., Roger Williams University School of Law

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Vice President for Enrollment Management and Marketing
B.A., Penn State University; M.A., Arcadia University;
Ed.D., Temple University

Amanda Klaus, '09 (2014)
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B.A., Monmouth University

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Vice President for Student Life and Leadership Engagement
B.S., Millersville University; M.B.A., West Chester University;
Ed.D., Edgewood College

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Patrick F. Leahy, Ed.D. (2019)
President
B.A., Georgetown University;
M.B.A. and M.I.L.R., Cornell University
Ed.D., University of Pennsylvania

Emily Miller-Gonzalez (2021)
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B.A., Georgetown University
M.S.W., Rutgers University
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M.A., New York University;
Ed.D., Rutgers University

Office of the General Counsel

Charlene K. Diana, Esq. (2005)
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J.D., University of Wisconsin Law School

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B.A., Monmouth University;
J.D., Widener University Delaware Law School

Robyn Salvo (2006)
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B.A., College of New Jersey;
M.B.A., Monmouth University

Kathleen Stein (2003)
Director of Employee Benefits
B.A., Monmouth University

Michael Wunsch (2015)
Director of Compliance/Risk Management
B.A., B.S., Rutgers University;
M.S., New Jersey Institute of Technology

Academic Affairs

Office of the Provost

Richard Veit, Ph.D. (2000)
Provost and Senior Vice President for Academic Affairs
B.A., Drew University;
M.A., College of William and Mary;
Ph.D., University of Pennsylvania

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Associate Provost
B.S., M.S., University of Missouri-Columbia;
Ph.D., University of Tennessee

LoriAnne Perrine
Executive Assistant to the Provost

Office of Institutional Research and Effectiveness

Christine Benol (1991)
Associate Vice President for Institutional Research & Effectiveness
B.A., Monmouth University;
M.S.Ed., Monmouth University

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Acting Dean of the School of Nursing and Health Studies
B.S., MPT, Ph.D., University of Pittsburgh

Raj Devasagayam, Ph.D. (2021)
Dean of the Leon Hess Business School
B.A., Vikram University, India;
M.B.A., Mumbai University, India;

Ph.D., Florida Atlantic University

David Golland, Ph.D. (2022)
Dean of the School of Humanities and Social Sciences
B.A., M.Phil., Ph.D., City University of NY;
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Wendy Harriot (2000)
Interim Dean of the School of Education
B.S., Bloomsburg University; M.S., Marywood College;
Ph.D., Pennsylvania State University

Joseph Coyle (2002)
Interim Dean of the School of Science
B.S., Miami University; M.S., Ph.D., University of Delaware

Leah Lazzaro, D.S.W. (2006)
Assistant Dean, School of Social Work
B.A., Pennsylvania State University; M.S.W., Monmouth University;
D.S.W., Kutztown University of Pennsylvania

Jennifer Ross (2023)
Assistant Dean of the Honors School
B.A., Bucknell University;
M.A., Dartmouth College

Leon Hess Business School

Raj Devasagayam, Ph.D. (2021)
Dean of the Leon Hess Business School
B.A., Vikram University, India;
M.B.A., Mumbai University, India;
Ph.D., Florida Atlantic University

Gilda M. Agacer, Ph.D. (1998)
Associate Dean of the Leon Hess Business School
B.A., University of the East Philippines;
M.I.B.S., Ph.D., University of South Carolina

Janeth Merkle (2010)
Assistant Dean for Student Engagement
B.S. Trinity University of Asia (Philippines);
M.M., Technological University of the Philippines;
M.B.A., Monmouth University

Gina McKeever (2021)
Interim Director of the Kislak Real Estate Institute
B.A., B.S., University of California;
MBA, Monmouth University; DBA, Temple University.

Jonathon Daigle (2017)
M.B.A. Program Director
B.S., M.B.A., The University of South Alabama;
Ph.D., The University of Mississippi.

Nicola Kelly (2002)
M.B.A. Program Administrator
B.A., Thomas Edison State University;
M.A., Monmouth University

School of Education

Wendy Harriott, Ph.D. (2000)
Interim Dean of the School of Education
B.S., Bloomsburg University; M.S., Marywood College
Ph.D., The Pennsylvania State University

Anthony J. Marchetta (2023)
Credential Officer
B.A., Psychology, Monmouth University
B.S., Mathematics, Monmouth University
M.A., Education Administration and Supervision, Saint Peter's University

Carrie Digironimo (2005)
Program Advisor
B.A., Adams State College;
M.A.T., M.Ed., Monmouth University

Sarah Moore (2004)
M.A.T. Program Coordinator
B.A., Siena College; M.A., Georgian Court College

Alex Romagnoli (2014)
Interim Associate Dean, School of Education
B.S., M.Ed., East Stroudsburg University;
Ph.D., Indiana University of Pennsylvania

School of Humanities and Social Sciences

David Golland, Ph.D. (2022)
Dean of the School of Humanities and Social Sciences
B.A., M.Phil., Ph.D., City University of NY;
M.A. University of Virginia

Richard F. Veit, Ph.D. (2000)
Associate Dean of the Wayne D. McMurray School of Humanities and Social Sciences
B.A., Drew University; M.A., College of William and Mary;
Ph.D., University of Pennsylvania

Eileen Chapman (2006)
Director, Bruce Springsteen Archives and Center for American Music

Patrick Murray (2005)
Director, Polling Institute
A.B., Lafayette College; M.A., Rutgers University

Vaune Peck (1987)
Director, Center for the Arts
B.A., M.A., Monmouth University

Guggenheim Memorial Library

Kurt Wagner (2016)
University Librarian
B.A., Fort Lewis College
M.L.I.S., University of Arizona;
M.A., William Paterson University

Chris Ellwood (2002)
Archives Collection Manager
B.A., M.A., Columbia University

Dena Massa (2002)
Access Services Manager
B.A., Thomas Edison State University

School of Nursing and Health Studies

Rowena Curva, Ph.D. (2021)
Simulation Center Director
B.S.N., M.S.N., University of Medicine and Dentistry of New Jersey

Joseph DePasquale, M.D., M.S., F.A.C.P., F.A.C.G. (2013)
Medical Director of the Physician Assistant Program

Clinical Professor
B.S., Boston College
M.S., Dartmouth University
M.D., University of Genoa, Italy

Barbara Paskewich (2001)
Director of Professional Development and Special Projects
R.N., Anne May School of Nursing; B.A., Monmouth University;
M.A., Montclair State University; M.S.N., Monmouth University

School of Science

Joseph Coyle (2002)
Interim Dean of the School of Science
B.S., Miami University; M.S., Ph.D., University of Delaware

Catherine Duckett, Ph.D. (2009)
Associate Dean of the School of Science
B.A., Brown University; M.A., University of Texas at Austin;
Ph.D., Cornell University

John Tiedemann (1998)
Assistant Dean of the School of Science
Director of the Marine and Environmental Biology and Policy Program
B.S., Upsala College; M.S., Florida Institute of Technology

Anthony MacDonald, Esq. (2005)
Director of the Urban Coast Institute
B.A., Middlebury College; J.D., Fordham University, School of Law

School of Social Work

Leah Lazzaro, D.S.W. (2006)
Assistant Dean, School of Social Work
B.A., Pennsylvania State University; M.S.W., Monmouth University;
D.S.W., Kutztown University of Pennsylvania

Sarah Brown (2016)
Director of Field and Professional Education
B.S.W., M.S.W., Monmouth University, L.C.S.W.

Michael Cronin (2010)
M.S.W. Program Director and Play Therapy Graduate Certificate Coordinator
M.S.W., Columbia University; Ph.D., Yeshiva University

Christa Hogan (2011)
B.S.W. Program Director
B.S.W., Monmouth University;
M.S.W., Fordham University.

Janine Speiser (2011)
Assistant Director of Field Education
B.A,. Rider University; M.S.W. Monmouth University, L.S.W.

Honors School

Jennifer Ross (2023)
Assistant Dean of the Honors School
B.A., Bucknell University; M.A., Dartmouth College

Global Education Office

MyKellann Maloney (2017)
Director of Global Education
B.A., Ithaca College;
M.S.Ed., Bank Street College of Education

Center for Excellence in Teaching and Learning (CETL)

Jennifer M. Brill, Ph.D. (2017)
Director of the Center for Excellence in Teaching and Learning (CETL) and Online Instruction
B.S., Boston College; M.Ed., Pennsylvania State University;
Ph.D., University of Georgia

Center for Student Success

Erin Behn (2004)
Disabilities Specialist
B.A., Marist College;
M.S.W., Fordham University

Carolyn Chirichello (2000)
Assistant Director of Disability Services
B.A., University of California, Santa Cruz;
M.S., San Jose State University

Dorothy Cleary (2010)
Director of Tutoring Services
M.S.Ed., Walden University
M.B.A., Monmouth University

Bobbie Edgar (2017)
Professional Academic Advisor
B.A., M.S.Ed., Monmouth University

Noah Hart, Jr. (2004)
Coordinator of First Year Advising
B.A., Livingston College, Rutgers University;
M.Ed., College of New Jersey;
M.Div., Palmer Theological Seminary;
Ed.D., Rutgers Graduate School of Education

Elizabeth O'Brien (2006)
Director, Educational Opportunity Fund Program
B.S., State University of New York College at Oneonta;
M.S.Ed., Monmouth University

Beatrice M. Rogers (1993)
Director for Peer Assisted Learning, Retention,
and General Education Assessment
B.S., Allegheny College;
M.B.A., Monmouth University (Monmouth College)

Danielle Schrama (1999)
Director of Academic Advising
B.S., M.S., Monmouth University

Claude E. Taylor (2005)
Director for Academic Transition and Inclusion
B.A., M.A., West Chester University

Anthony Urmey (2016)
Director of Transfer Student Services and Undeclared Services
B.A., Fairleigh Dickinson University;
M.A., Fordham University

Registrar's Office

Gloria Schopf (2007)
Registrar
Curriculum Maintenance
B.A., Brooklyn College

Marc Jose (2012)

Associate Registrar for Technology
B.S., Bloomfield College

Jennifer DeFalco (2017)
Assistant Registrar for Academic Services
B.A., M.A., Monmouth University

Stephanie Ambrozy (2017)
Assistant Registrar for Scheduling and Course Management
B.A., Montclair State University

Finance

Mary Byrne (2014)
Vice President for Finance
B.S., Saint Peter's University; M.B.A., Rutgers University;
C.P.A., NJ

Deborah Palmer (1993)
Assistant to the Vice President for Finance

Catherine Duriske (1994)
Assistant Vice President for Financial Reporting
B.S., Montclair State College;
C.P.A., NJ

Josephine Estelle (2001)
Director of Treasury Operations
B.S., Georgian Court College

Betsy Lunney (1981)
Assistant Vice President for Treasury Operations
B.B.A., Suffolk University; M.B.A., Monmouth University

Mohieb Mohsen (2010)
Manager of Student Financial Services
B.S., Cairo University

Laurie Stanton (1987)
Accounts Payable Manager
A.A., Brookdale Community College

Margaret Bellanich (2016)
Grant Accountant
B.S., St. Peter's University

Patricia Curtis (2006)
Box Office Manager
B.A., Montclair University

Marie Del Cristo (2017)
Senior Accountant
B.S., Georgian Court College
C.P.A., NJ

Ellen Dombroski (1997)
Assistant Vice President for Finance and Budgets
B.S., Seton Hall University;
C.P.A., NJ

Mark Miranda (2005)
Director of Purchasing
B.S., St. John's University

Marguerite Stocker (2015)
Manager of the University Store
B.S., Boston University;
M.S., Thomas Edison State University

David Tsang (2012)
Digital Print Center Manager
B.A., Syracuse University

Joseph Pingitore (2018)
Associate Vice President for Finance and Budgets
B.S., Monmouth University; M.B.A., Southern New Hampshire University

Sheila McCormick (2007)
Assistant Bursar
B.S., Monmouth University

Theresa Fontana (2013)
Accountant/Mail Operations Supervisor
B.S., Monmouth University

Information Management

John Sonn (1988)
Associate Vice President and Chief Information Officer
B.A., Rutgers University;
M.S., Monmouth University

Linda Cranmer (2005)
Assistant to the Vice President for Information Management

John Cavallo (1997)
Director, Logistics and Security
B.A., M.A., Monmouth University

Theodore Tsoutsas (2001)
Software Licensing Administrator
Assistant LMS Administrator

Information Support

Joseph Bembry (2000)
Director of Computer Support
B.A., M.A., Monmouth University

Karen M. Blaney (2007)
Enterprise Application Support Specialist

Edward Carson (2004)
Computer Systems Analyst

Robert Coles (2007)
Enterprise Application Specialist
B.A., M.A., Monmouth University

Deborah Cotler (2005)
Director of Instructional Support and Training
B.A., State University of New York, Albany;
Ed.M., Boston University

Kevin Curtis (2016)
Instructional Designer
B.S., M.S., William Paterson University
M.A., New Jersey City University

Wayne Elliott (2002)
Instructional Technologist and LMS Administrator
B.A., Monmouth University

Colin Germain (2021)
Computer Systems Analyst

Tease Gould (1995)
Enterprise Application Support Specialist
B.S., College of Saint Elizabeth;
M.S.Ed., Monmouth University

Kyle Kinchen (2014)
Computer Systems Analyst
PC, AGE Technical Institute

David Maseroni (2006)
Technology Support Specialist

Billy Pachamango (2001)
Computer Systems Administrator
A.S., Devry University

Kelley Schwartz (2019)
Computer Trainer
B.A., Rutgers University;
M.Ed., University of Arkansas, Fayetteville

Emily Vandenakker (2019)
Enterprise Application Support Specialist
B.S., Penn State University;
M.B.A., Monmouth University

Michael Walsh (2002)
Director of Enterprise Application Support
B.A., Purdue University;
M.A., The Richard Stockton College of New Jersey

Janine Winkley (2016)
Enterprise Workflow Specialist
B.S.E.E., Lehigh University;
M.A.T., Monmouth University

Information Operations

John Sonn (1988)
Associate Vice President and Chief Information Officer
B.A., Rutgers University;
M.S., Monmouth University

James Allan (2004)
Interim Director of Server Operations
A.A., Brookdale Community College
B.A., Monmouth University

Robert Carsey (1998)
Senior Systems Administrator
B.S., M.S., Monmouth University

Alan Chiu (2001)
Programmer/Analyst
B.A., Guangzhou Institute of Foreign Languages

Eric Joyce (1999)
Director of Infrastructure Operations
Brick Computer Institute; B.A., Monmouth University

Mary Latteri (2002)
Senior Programmer/Analyst
B.S., Monmouth University

Michael McGuire (2007)
Network Operations Manager
B.A., Moravian College

Caitlin Morris (2017)
Programmer/Analyst
B.A., McDaniel College

Thomas Shenko (1999)
Director of Enterprise Programming and Integration
A.A., DeVry Technical Institute

Student Life

James Pillar (1995)
Vice President for Student Life
B.S., Millersville University; M.B.A., West Chester University;
Ed.D., Edgewood College

Shannon Killeen (2002)
Associate Vice President for Student Life/
Dean of Students
B.A., Glassboro State College; M.A., Rowan College

Xochil Ramirez (2021)
Coordinator of Student Support and Veteran Services
B.S., Stockton University; M.A. Rowan University

Milton Morris
Chief of Police, Monmouth University Police

Student Engagement

Vaughn Clay (1994)
Associate Director of Student Engagement
B.S., M.A., Indiana University of Pennsylvania;
Ed.D., Northeastern University

Residential Life

Megan Jones (2000)
Associate Director of Residential Life and Campus Living
B.S., Rutgers University; M.S., Monmouth University

Tony Conard (2011)
Area Coordinator for Apartment and Campus Living
B.S., Loyola University;
M.S., Florida State University

David Schenck, Jr. (2019)
Assistant Director of Residential Life
B.A., Georgian Court University

Conference Services and Special Events

Lu-Aann Russell (2010)
Senior Director of Conference Services and Special Events
B.S., Georgian Court College

Nicole Frame (2010)
Director of Conference Services
B.S., The College of New Jersey;
M.A., Monmouth University

Megan McGowan (2010)
Special Events Manager

B.S., M.S., Springfield College

Counseling and Prevention Services

Christopher McKittrick (2006)
Director of Counseling & Prevention Services
B.S., M.A., The College of New Jersey; Psy.D., California Southern

Eric E. Kaighn (2019)
Assistant Director of Counseling and Prevention Services
B.A., M.A., Monmouth University

Health Services

Kristine Kelly
Director of Health Services
B.S.N., Quinnipiac University;
M.S.N. New York University;
Post-Masters, Monmouth University

Violet Bernknopf (2021)
University Nurse Practitioner
B.S., Rutgers University; B.S.N., Seton Hall University; M.S.N., Monmouth University

University Advancement

Amanda Klaus '09 (2014)
Vice President for University Advancement
B.A., Monmouth University

Beth Brody (2013)
Director of Development
B.A., University of Delaware

Marian Dalton (2003)
Senior Special Events Coordinator

Paul Dement (2005)
Senior Director of Government and Community Relations
B.A., Penn State University;
M.A., Monmouth University

Charles Gerdon (2011)
Director of Development
B.A., Stockton State College;
M.A., Montclair State University

Dawn Hans (2016)
Senior Director of Stewardship and Donor Relations
B.S., Rutgers University

David Howell (2018)
Director of Development
B.A., Middlebury College;
M.A., University of Pennsylvania

Thomas E. Klimchak (2002)
Senior Director of Advancement Services
B.A., Millersville University

Laura MacDonald '10 (2019)
Director of Alumni Engagement
B.A., Monmouth University

Stephanie Tolas '03, '05 (2014)
Director of Stewardship and Donor Relations
B.A., M.B.A., Monmouth University

Lindsay Wood (2019)
Senior Director of Annual Engagement and Annual Giving
B.S., New York University

Jeffrey Mass '04, '17M (2010)
Director for Employer Engagement
B.S., M.A., Monmouth University

Jon Roos (2011)
Director of Development
B.A., University of Tennessee;
M.B.A., Lynn University

Enrollment Management

Robert D. McCaig, Ed.D. (2005)
Vice President for Enrollment Management
B.A., Penn State University; M.A., Arcadia University;
Ed.D., Temple University

Michael S. Maiden, Jr. (2005)
Executive Director of University Communications
B.A., Boston University; M.A., Monmouth University

Graduate Admission

Lauren Vento Cifelli (2000)
Associate Vice President for Undergraduate and Graduate Admission
B.A., B.S., M.A., Monmouth University

Laurie Kuhn (1999)
Associate Director of Graduate Admission
B.A., State University of New York at Oneonta;
M.B.A., Baruch College-Mount Sinai School of Medicine

Kevin New (2018)
Associate Director of Graduate Admission and Enrollment Marketing
B.A., University of New Hampshire
M.A., Monmouth University

Amy Vu (2020)
Assistant Director, Graduate Admission
B.A., M.S.W., Stony Brook University

Undergraduate Admission

Lauren Vento Cifelli
Associate Vice President for Undergraduate and Graduate Admission
B.A., B.S., M.A., Monmouth University

Victoria Bobik (2005)
Director of Undergraduate Admission
B.A., Colgate University; M.A., University of South Carolina

Ebony Brown (2021)
Admission Counselor
B.A., University of Richmond

Emma Caban (2012)
Sr. Assistant Director of Undergraduate Admission
B.A., Monmouth University

Patrick Dorsey (2005)
Associate Director of Transfer Admission

B.S., Fairleigh Dickinson University; M.S.Ed., Monmouth University

Elizabeth Gensemer (2018)
Associate Director of Undergraduate Admission
B.M., University of the Arts

Anne Horning (2019)
Admission Counselor
B.A., Fairfield University

Caroline Hurtt (2022)
Admission Counselor
B.S., Monmouth University

Michael Qualiano (2017)
Assistant Director of Undergraduate Admission
B.A., Monmouth University

Sam Schmitt (2022)
Admission Counselor
B.A., Monmouth University

Kelly Anne Young (2019)
Assistant Director of Undergraduate Admission Admission
B.S., Temple University

Admission Processing

Barbara Growney (1994)
Director of Admission Processing
B.S., Monmouth University; M.S.Ed., Monmouth University

Heather Deaton
Admission Processing Data Systems Specialist
B.S., Southern Arkansas University and 2023

Financial Aid

Claire Alasio (1997)
Associate Vice President of Enrollment Management
Director of Financial Aid
B.A., Roanoke College; M.A.Ed., Virginia Polytechnic Institute and State University

Kristen Isaksen (1997)
Associate Director of Financial Aid
B.A., Dickinson College; M.S.Ed., Monmouth University

Tabitha Conlan (2001)
Assistant Director of Financial Aid
B.S., Georgian Court University

Marilyn Dorsey (1985)
Direct Lending Coordinator

Nancy Hanson (1997)
Assistant Director of Financial Aid
B.S., M.B.A., Monmouth University

Robert C. Hennessey (2001)
Assistant Director of Financial Aid
B.S., West Chester University

University Marketing and Communications

Tara Peters (2015)
Associate Vice President for University Marketing and Communications
B.A., M.A., Monmouth University

Jonathan Conner (2013)
Graphic Designer
B.F.A., Pacific Northwest College of Art

Tryon Eggleston (2015)
Director of Digital Communication
B.A., Ramapo College

Steven Graboski (2016)
Full Stack Developer
B.A., Drew University; M.S., Columbia University

Michael S. Maiden, Jr. '07, '14 (2005)
Executive Director of University Communications
B.A., Boston University; M.A., Monmouth University

Anthony Marchetti (2016)
Managing Editor, University Publications
B.A., M.A., The College of New Jersey

Breanne McCarthy (2016)
Assistant Editor/Content Producer
B.A., Rutgers University

Vera Towle (2008)
Creative Project Manager
B.A., Georgian Court University;
M.A., Monmouth University

Campus Planning and Facilities management

Timothy Orr (1996)
Executive Director for Campus Planning and Facilities Management
B.S., Geneva College

Kara Sullivan (1998)
Director, Building Services and Facilities Management
A.A.S., Brookdale Community College;
B.S., Monmouth University

Athletics

Jennifer Sansevero (2021)
Director of Athletics

Nicholas Aguilera (2018)
Assistant Athletics Trainer
B.A., East Stroudsburg University
M.S., Long Island University, Brooklyn

Nicole Alsobrooks (2015)
Director of Aquatics
Assistant Men's and Women's Swimming Coach
B.A., Wake Forest University

Dhimant Balar (2017)
Team Physician
D.O., Philadelphia College of Osteopathic Medicine

Devin Barry (2007)
Assistant Track and Field Coach
B.S., Mount St. Mary's University

Tom Bieber (2008)
Associate Athletics Director for Academic Support
B.S., Slippery Rock University;
M.B.A., Monmouth University

Aaron Bottinick (2015)
Assistant Athletic Trainer for Men's Soccer and Baseball
B.S., Springfield College; M.S., University of Virginia

Kevin Callahan (1992)
Head Football Coach
B.A., University at Rochester

Kevin Callahan, Jr. (2019)
Assistant Football Coach/Receivers
B.A., Amherst College

Richard Callahan (2011)
Senior Assistant to the Head of Men's Basketball Coach
B.S., Salem College, M.S., Syracuse University

Richard Carragher (2001)
Associate Athletics Director for Event Management
B.S., St. Joseph's University

Jon Cascone (1997)
Associate Athletics Director for Recreation, Intramurals, Clubs, and Fitness Center
B.S., MA, East Stroudsburg University

Gregory Decos (1999)
Assistant Athletics Director Equipment, Laundry and Car Services

Samuel Dorsett (2013)
Assistant Football Coach
B.A., M.S., Robert Morris University

Dean Ehehalt (1994)
Head Baseball Coach
B.S.Ed., M.S.Ed., East Carolina University

Kelsey Ellis (2017)
Compliance and Academic Assistant
B.S., M.A., Delaware State University

Alyssa Ercolino (2018)
Sports Behavioral Health Specialist
B.A., Monmouth University

Carli Figlio (2005)
Head Field Hockey Coach
B.A., Kent State University
M.S., Monmouth University

Brian Fisher (2012)
Head Men's Lacrosse Coach
B.A., Rutgers University

Kylee Flynn (2012)
Head Women's Soccer Coach
B.A., University of Tennessee

Brian Gabriel (2004)
Offensive Run Game Coordinator/Offensive Line
B.A., Siena College

Jeff Gallo (2005)
Offensive Coordinator
B.S., M.B.A., Monmouth University

Andrew Geison (2012)
Assistant Men's Lacrosse Coach
B.A., University of Maryland
M.Ed., Rutgers University

Damon Godfrey (2019)
Assistant Men's and Women's Track and Field Coach
B.A., Thomas Edison University

Karen Grygiel (2010)
Director of Bowling/Head Coach
B.S., Vanderbilt University

Dane Hodge (2014)
Head Club Women's Soccer Coach
B.A., Carson-Newman University

John Jackman (1993)
Assistant Athletics Director of the Fitness Center

Christie Kaestner (2017)
Assistant Head Women's Lacrosse Coach
B.S., Duke University

Bennie Kanzler (2019)
Director of Ticketing and Development
B.S., M.S., Monmouth University

Gary Kowal (2013)
Associate Athletic Director for Communications and Digital Media
B.A., Monmouth University

Andrew Kurtz (2015)
Assistant Athletic Director
B.S., York College of Pennsylvania

Chirs Leicht (2018)
Head Men's Tennis Coach
B.A., M.A., Bloomsburg University of Pennsylvania

Steve Levine (2017)
Assistant Men's and Women's Swimming Coach
B.A., Monmouth University

Hugh MacDonald (2008)
Associate Head Men's Soccer Coach
B.A., Monmouth University

Robert McCourt (2004)
Head Men's Soccer Coach
B.A., Adelphi University;
M.S., Virginia Commonwealth University

Mark Mohrman (2016)
Assistant Athletics Director of Communications
B.A., Monmouth University

Patrice Murray (1988)
Head Coach, Women's Tennis
B.A., M.A., Monmouth University

Mike Nelson (2019)

Director of Track and Field/Cross Country
B.S., Truman State University;
M.S., Marquette University; M.S., Emporia State University

Matthew Nunnaly (2015)
Head Men's and Women's Swimming Coach
B.S., LaSalle; M.B.A., Ole Miss

Tim Rehm (2019)
Director of Strength and Conditioning
B.S., Springfield College

King Rice (2011)
Head Men's Basketball Coach
B.A., University of North Carolina

Richard Robinson (2019)
Club Baseball Coach
B.S., Kean College

Simon Rosenblum (2002)
Associate Athletics Director for Sports Medicine
B.S., Waynesburg College;
M.S.Ed., Old Dominion

Bri Rubino (2015)
Associate Director of Strength and Conditioning
B.S., Drexel University

Shannon Salsburg (2015)
Head Softball Coach
B.S., Penn State University;
M.A., University of Akron

Christian Spaulding (2018)
Assistant Men's and Women's Indoor Track
B.S., High Point University

Vanessa Sweeney (2006)
Associate Director of Sports Medicine
B.S., West Chester University;
M.S.Ed., Monmouth University

Ken Taylor (2015)
Associate Athletic Director for Development and Blue/White Club
B.A,. University of Michigan; M.S., Wayne State University

Michael Thiers (2019)
Strength and Conditioning Intern
B.S., Lynchburg College

Jordan Trautman (2017)
Head Women's Lacrosse Coach
B.A., Georgetown University

Kelly Valentine (2015)
Associate Athletic Director for Marketing
B.S., Rutgers University

Lewis Walker
Director of Field Operations and Practice

Brady Weaver
Director of Creative Content

Caitlin Wetmore
Head Coach of Women's Basketball

David Williamson (2018)
1st Assistant Field Hockey Coach
B.A., Princeton University;
M.A., University of Ulster

Emeritus Faculty

Mary Kate Azcuy
Associate Professor Emerita of English
B.S., Monmouth University; M.A., New York University;
Ph.D., Drew University

Derek A. Barnes
Professor Emeritus of Physics
B.A., M.A., Ph.D., Christ Church
Oxford University, England

Judith Bazler
Professor Emerita of Curriculum and Instruction
B.S., Northern Illinois University; M.Ed., Ed.D., University of Montana

Barbara Lynn Bodner
Professor Emerita of Mathematics
B.S., Fairleigh Dickinson University; M.S., Pennsylvania State University
Ed.D., Rutgers University

Donald Bretzger
Professor Emeritus of Chemistry
B.S., Ursinus College; M.S., Ph.D., University of Delaware

Richard E. Brewer
Associate Professor Emeritus of English
B.A., Drew University; B.D.; M.A., Rutgers University

Karen Bright
Professor Emerita of Art
B.F.A., University of the Arts; M.F.A., Cranbrook Academy of Art

Robert Brooks
Associate Librarian Emeritus
B.A., B.S.L.S., University of North Carolina;
M.S.Ed., Monmouth University (Monmouth College)

John E. Carson
Associate Professor Emeritus of Mathematics
B.A., Drew University; M.S., New York University

Alan Cavaiola
Professor Emeritus of Professional Counseling
B.A., Monmouth University (Monmouth College); M.A., Fairleigh Dickinson University; Ph.D., Hofstra University

Andreas Christofi
Professor Emeritus of Economics
B.A., Graduate Industrial School of Thessonaloniki, Greece;
M.B.A., University of New Orleans;
Ph.D., Finance, Pennsylvania State University

Gregory Coram
Associate Professor Emeritus of Criminal Justice
M.S., Psy.D., Indiana State University

Patricia Cresson

Professor Emerita of Art and Design
B.S., University of Wisconsin; M.F.A., Pratt Institute

Floyd R. Deardorff
Assistant Professor Emeritus of Mathematics
B.A., Temple University; M.A., Catholic University

Chad Dell
Associate Professor Emeritus of Communication
B.A., M.A., Ph.D., University of Wisconsin-Madison

Jack W. Demarest
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UNDERGRADUATE COURSE DESCRIPTIONS

African Diaspora Studies (ADS)

ADS-225 African World Literature **Credits: 3**
Term Offered: All Terms
Course Type(s): ADS, GU, RE
Major works from African, West Indian, and African-American traditions.

ADS-246 Introduction to African-American Studies **Credits: 3**
Term Offered: Fall Term
Course Type(s): ADS, RE
Introduction to a broad range of themes in their historical context, from the African origin to the formation of African-American societies and cultures in the African Diaspora. Other themes include the rise and fall of slavocracy, the era of Civil Rights struggles, and the establishment of space for African-Americans to tell their stories as well as study their experiences and cultures.

ADS-298 Special Topics in Africana Studies **Credits: 3**
Term Offered: All Terms
Course Type(s): RE
An intensive study of a particular subject or problem in Africana Studies to be announced prior to registration. The course may be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

ADS-302 African-American Seminar **Credits: 3**
Term Offered: All Terms
Course Type(s): ADS, RE
The culture, history, experiences, and artistic and literary expression of African-Americans illuminated by an examination of several academic disciplines that are reviewed for biases and new paradigms suggested.

ADS-498 Special Topics in Africana Studies **Credits: 1-3**
Course Type(s): None
An intensive study of a particular subject or problem in Africana Studies to be announced prior to registration. The course may be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

ADS-499 Independent Study in African-American Studies **Credits: 3**
Term Offered: All Terms
Course Type(s): None
An intensive study of a particular subject or problem in Africana Studies to be announced prior to registration. Prior permission of the directing professor and department chair is required to take this course.

American Sign Language (ASL)

ASL-101 American Sign Language I **Credits: 3**
Term Offered: All Terms
Course Type(s): None
This Learner-centered course is designed for students with little or no previous knowledge of American Sign Language (ASL). Students acquire basic grammar and lexical skills that will enable them to communicate in routine social or professional situations within an authentic cultural context.

ASL-102 American Sign Language II **Credits: 3**
Prerequisite(s): ASL-101
Term Offered: All Terms
Course Type(s): None
Designed to continue development of American Sign Language (ASL) skills with primary focus on refining the use of basic ASL sentence types. Students will continue to be exposed foundational aspect of ASL classifiers, hand configuration, palm orientation, and signing space as well as transitioning body language. Students will engage in an expanded learning of Deaf culture and history.

Anthropology (AN)

AN-103 Cultural Anthropology **Credits: 3**
Term Offered: All Terms
Course Type(s): SS.SV
Introduction to comparative study of human beliefs and behavior. Emphasis on the concepts used in studying human culture; analysis of non-Western societies with respect to ecology, economy, social and political organization, religion, and art; implications for American society.

AN-104 Introduction to Biological Anthropology **Credits: 3**
Term Offered: All Terms
Course Type(s): HE.EL, HEPE, SS.SV
Introduction to physical anthropology; racial variation and the evolutionary origins of the human species; concepts and principles used in the study of living and fossil evidence for human evolution and genetic diversity; unique influence of culture on human biology; human evolution in the present and future.

AN-107 Introduction to Archaeology **Credits: 3**
Term Offered: All Terms
Course Type(s): SS.SV
Introduction to archaeological techniques, concepts, and principles; recovery and interpretation of evidence; examples from the prehistoric cultures of the Americas, Europe, Africa, and Asia.

AN-113 Cultures of the World **Credits: 3**
Term Offered: All Terms
Course Type(s): BI.EL, GU, SS.SV
Common and distinctive features of culture in each of several broad zones around the world, including native North America, native South America, northern Asia, southern Asia, and sub-Saharan Africa; descriptive overview with emphasis on the variety of human experience and achievement.

AN-117 Great Excavations: Survey of World Archaeology **Credits: 3**
Course Type(s): SS.SV
This course is a social science seminar that examines how archaeologists study and interpret the ancient world. Ancient societies from North America, South America, Africa, Asia, and Europe are examined. Students are introduced to the ethical challenges that face archaeologists and to how archaeologists separate fact from fiction.

AN-198 Special Topics in Anthropology (100 Level) **Credits: 1-3**
Course Type(s): None
An intensive study of a particular subject or problem in anthropology to be announced prior to registration. The course may be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

AN-220 History of Advertising **Credits: 3**
Term Offered: Spring Term
Course Type(s): GS, HSUS
Designed to develop a critical understanding of the historical evolution of advertising in the United States, with critical attention to race, class, gender, and sexuality. We will explore the economic, political, and cultural factors that have contributed to the development of advertising, and which have been affected by advertising. Some of the topics to be discussed include: the rise of national advertising; the relation of advertising to consumption; advertising to children; political advertising, the relationship between advertisers and the medium in which they appear (magazines, television, radio, etc.) and broadcast and internet advertising. Also listed as HS-220 and GS-220.

AN-262 Primate Behavior, Evolution and Ecology **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
The study of primatology, which examines the lifeways, biology, and behavior of our closest living relatives. Various topics will be explored including taxonomy and classification, diet, behavior, grouping patterns, locomotion, and land usage patterns of monkeys, apes and prosimians. These topics will be explored within the frameworks of natural selection, sexual selection, and evolution. Also listed as BY-262.

AN-263 Peoples and Cultures of South America **Credits: 3**
Prerequisite(s): AN-103 or AN-113
Term Offered: Spring Term
Course Type(s): RE
A social and cultural survey of representative peoples in South America and the Caribbean, emphasizing the comparative study of economic, political, social, and religious organization.

AN-264 North American Indians **Credits: 3**
Term Offered: All Terms
Course Type(s): GU, RE
A survey of the cultural, social and linguistic diversity of Pre-Columbian North American societies; problems of contemporary Indian groups. Also listed as HS-264.

AN-266 Historical Archaeology **Credits: 3**
Prerequisite(s): AN-103 or HS-201 and EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): WT
An introduction to historical archaeology, the archaeology of the modern world (c. 1492+). It focuses on archaeological sites in the United States. Students are introduced to the various written and material sources that historical archaeologists use to interpret the recent past, including artifacts, vernacular architecture, grave markers, documents, photographs, and other visual sources. Archaeological field methods are also introduced with a minimum of one class period spent excavating an archaeological site. Also listed as HS-266.

AN-267 Tourism Around the World **Credits: 3**
Term Offered: All Terms
Course Type(s): BI.EL, GU, SUS
Introductory examination of the various factors that impact tourism in different parts of the world. Students will consider political, social, economic, cultural, and environmental factors that affect tourists, local populations, and the physical destinations. Also listed as GO-267.

AN-268 Urbanization **Credits: 3**
Term Offered: All Terms
Course Type(s): CD, RE, SUS
An introduction to urbanization on a global scale. Historical and contemporary development of the world's cities using geographical approaches to urban analysis. Includes examination of urban forms and the local global, social, cultural, economic, political, and physical processes that shape and are shaped by cities, and the large and rapidly growing cities of the developing world that dominate and control the global economy. Also listed as GO-268.

AN-272 Magic, Witchcraft, and Religion **Credits: 3**
Prerequisite(s): EN-101 and EN-102; or permission of the instructor
Term Offered: All Terms
Course Type(s): WT
Explores motivation of human behavior within the realm of religion and the supernatural with an emphasis on the role of gods and goddesses. A cross-cultural approach will be used while exploring cultures both past and present across the globe. Also listed as RS-272.

AN-274 Anthropology of Sex and Gender **Credits: 3**
Term Offered: Spring Term
Course Type(s): GS, RE
Anthropological perspectives on sexuality and gender; emergence of human sexuality and gender differentiation in the context of species evolution; cross-cultural survey of social and ideological aspects of sexuality and gender.

AN-275 Global Environmental Problems **Credits: 3**
Term Offered: All Terms
Course Type(s): GU, HE.EL, SUS
Focus on the complex relationship between human beings and their environments in an effort to build an ecological perspective in a global framework. Discussion of basic issues of ecological science in terms of impact on both the Western and non-Western worlds. Also listed as GO-275.

AN-278 Maritime History/Underwater Archaeology **Credits: 3**
Term Offered: Summer Term
Course Type(s): MEBP
A mid-level seminar that examines maritime archaeology, with a focus on North America and particularly New Jersey. As part of this course, students will explore the world of maritime archaeology through readings, fieldwork, lectures, and hands-on exercises. It will include fieldwork on Monmouth's research vessel, work with a submersible, and lab work with shipwreck artifacts.

AN-279 Culture, Health and Illness **Credits: 3**
Prerequisite(s): EN-101 and EN-102
Term Offered: All Terms
Course Type(s): CD, HE.EL, HEPE, WT
A cross-cultural examination of health and healing from the view of applied medical anthropology. Explores biological, sociocultural, political economic, and structural factors that affect health, illness, and disease both now and in the past. Cultural areas of study include: populations in the United States, Africa, Latin America, the Caribbean, and Southeast Asia.

AN-280 Anthropology and Education **Credits: 3**
Prerequisite(s): EN-101 and EN-102; or permission of the instructor
Term Offered: Spring Term
Course Type(s): WT
The Anthropology of Education has a long and rich history of exploring intersections of learning and culture. This course is an introduction to the issues and approaches central to the study of education within the discipline of anthropology. Over the course of the semester, students will engage with classic and contemporary methods and readings in the field, including cross-cultural approaches to schooling and key issues in educational policy. This course is founded in anthropological approaches to education and how anthropologists address topics related to learning.

AN-289 Anthropological Field Study **Credits: 1-3**
Prerequisite(s): 6 credits in Anthropology
Term Offered: All Terms
Course Type(s): EX1
Supervised field experience in various branches of anthropology, e.g., archaeological excavation, museum work, ethnography, and primate behavior. Departmental approval is required to take this course.

AN-290 Popular Culture and the Middle East **Credits: 3**
Course Type(s): GU, HSNW
Examines recent events, traditional cultural practices, and the perceptions of the Middle East through the lens of popular media (film, graphic novels, journalism, etc.). Topics to be covered may include but are not limited to: religion, the Arab Spring (2011), the Iranian Revolution, the Arab-Israeli Conflict, women's rights/roles, Orientalism and racism, and common governing structures. Also listed as HS-290.

AN-296 Cultures and Societies of Africa **Credits: 3**
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): CD, WT, HSAF, HSNW, RE
Examines the history, cultures, and societies of Africa from the precolonial to the contemporary period. Discusses the cultural, political, and economic changes that have taken place in Africa as a result of Western influence. Also listed as HS-296.

AN-298 Special Topics in Anthropology (200 Level) **Credits: 1-3**
Term Offered: Spring Term
Course Type(s): None
An intensive study of a particular subject or problem in Anthropology to be announced prior to registration. The course may be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

AN-299 Independent Study in Anthropology **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
Guided readings on a topic not otherwise covered in the curriculum. Students must be an Anthropology major and have at least a 2.50 G.P.A. to register for this course. Prior permission of the directing professor and department is required to take this course.

AN-303 Archaeology of the Southeastern United States **Credits: 3**
Course Type(s): GU
This course offers an overview of the archaeology of the American Southeast. The course will focus on the region's prehistoric and contact periods, which is one of the richest in the US. Students will develop an understanding of the area's primary archaeological cultures and their geographic and temporal extents.

AN-304 Monuments and Commemoration: Loss and Remembrance **Credits: 3**
Course Type(s): HSUS
Examines the evolution of American attitudes towards commemoration and remembrance from the colonial period to the present. Focuses on the analysis of landscapes and artifacts, e.g. monuments, grave markers, cemeteries, and historic sites. Topics discussed include: the evolution of American burial grounds from colonial burial grounds to the rural cemeteries of the Victorians and modern memorial parks. Changing grave marker designs and iconography are examined. Distinct ethnic, regional, and national memorial practices are also studied. Public memorials in the form of statuary, commemorative institutions, and historic sites will also be discussed. There will be field trips to select sites. Also listed as HS-304.

AN-305 Caribbean Archaeology **Credits: 3**
Course Type(s): GU, RE
Students are introduced to the archaeology and ethnohistory of the Caribbean Islands; the region where the Old World violently encountered the New World in AD 1492. The general approach is historical and chronological. This course is divided into two broad sections covering the prehistoric and historic periods of the region. The encounter between Europe and the region's native inhabitants proved catastrophic for the later. The region than became central to the world economy through slave labor and the production of luxury for world markets.

AN-306 Food and Culture **Credits: 3**
Prerequisite(s): EN-101 and EN-102; or permission of the instructor
Term Offered: Fall Term
Course Type(s): GU, WT
Augments the anthropology program's offerings in both archaeology and socio-cultural anthropology, and demonstrates the synergy of these approaches in the topical study of food. Through a combination of lecture, discussion, hands-on learning, and readings, students are introduced to the basic modes of human subsistence identified by the anthropological tradition. They also will explore the material and social challenges connected with these different subsistence strategies, and finish up by looking at current food-based problems facing the world today.

AN-307 Forensic Anthropology **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
Introduces students to the basic principles of forensic anthropology. Forensic anthropology is an application of biological anthropology (Skeletal understanding) to help solve criminal cases. Topics that will be covered in this course schedule include: methods of determining sex, nutrition, stature and ancestry from skeletal remains. We will also explore the cause of death, time since death and other relevant information. In addition we will examine the changing the role of forensic anthropology in a larger global context.

AN-311 Anthropology Internship Seminar **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Application of theory learned in the classroom in practice through actual work experience. Includes both academic and experiential learning. Eight to twelve hours per week in a public history or field work setting. Open only to anthropology majors. This course is repeatable for credit.

AN-315 Field Research in Archaeology **Credits: 3**
Prerequisite(s): AN-103 or AN-107 or permission of the instructor
Term Offered: All Terms
Course Type(s): EX5, HSUS
Archaeological field methods, analysis of data, and anthropological interpretation; students will do supervised work on local sites. May be repeated for a maximum of six credits. Also listed as HS-315.

AN-321 Qualitative Research Methods **Credits: 4**
Prerequisite(s): PY-103
Term Offered: Spring Term
Course Type(s): WT
An interdisciplinary overview of qualitative research methods employed in the social sciences and education. Qualitative methods are offered as an alternative way of knowing about individuals and groups. Topics covered include: theory, fieldwork, interviewing, observational studies, time sampling, writing field notes, questionnaires(survey research), archival research, and conducting qualitative research in various settings. Emphasis also placed upon the factors that affect the fieldwork process (e.g., gender, emotions, etc.) Also listed as PY-321.

AN-322 Ethnographic Methods **Credits: 3**
Prerequisite(s): EN-101 and EN-102
Term Offered: Spring Term
Course Type(s): WT
An overview of ethnographic research design and methods employed in anthropology. Students will practice research design and methods, data analysis and write-up techniques. Students will engage questions of ethics through research practice and theoretical discussion.

AN-330 Zooarchaeology: The Archaeology of Animals **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Covers methods of faunal analysis and the application of the study of animal remains to broad topics of cultural study including subsistence, status, and ideology.

AN-342 Children's Play and Culture **Credits: 3**
Prerequisite(s): PY-203
Term Offered: Spring Term
Course Type(s): None
An intensive examination of children's play. Theoretical and empirical contributions from psychology and anthropology as a developmental and cross-cultural foundation for the following topics: the historical development of the concept of childhood; theories of play; conceptions of play and work; the functions of play; play and child development; gender differences; cross-cultural forms of play; and children's peer cultures. Also listed as PY-342. Psychology majors should register for PY-342.

AN-343 Anthropology and Children **Credits: 3**
Prerequisite(s): AN-103
Term Offered: Spring Term
Course Type(s): GU
An overview of the anthropological study of children. Addresses anthropology's inquiry into children's behavior, activities, artifacts, and their relationships with adults both past and present. Topics covered include: archaeology and children, childbirth, attachment, parenting, play, education, socialization, and child labor and welfare. Geographical areas include: the Middle East, Asia, and Central and South America. Europe and the United States are mentioned marginally.

AN-355 Ancient Technology **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Provides an introduction to ancient technology/experimental archaeology. It examines the major theories and practices employed by experimental archaeologists. Students will develop skills in traditional technologies, e.g. flintknapping, pot firing, blacksmithing, and timber frame house construction.

AN-363 The Amazon **Credits: 3**
Term Offered: Spring Term
Course Type(s): GU, RE
An anthropological seminar focused on the Amazon region, with emphasis on how expert and lay knowledge about the Amazon has been produced and circulated.

AN-371 International Service Seminar **Credits: 3**
Prerequisite(s): PS-102
Term Offered: Spring Term
Course Type(s): PSIP
Students will learn to unite theory and practice by studying theories and policies based on human security, and learning about their applications through service-learning projects. Students will enhance their understanding of human security by volunteering in international community organizations and reflecting on the social, political, and economic factors and policies that affect them. Also listed as SW-371, PS-371, and SO-371.

AN-377 Archaeology of African American Life **Credits: 3**
Course Type(s): CD, RE
Explores the rapidly growing subfield of historical archaeology which deals with the life and history of African Americans. The history and modern challenges facing this group is conditioned by the historical experience of individuals and communities of African descent with the United States. Unlike many European groups, the historical evidence documenting the experience of African Americans through time is sparse and incomplete. Archaeological investigations offer a primary method for recovering the everyday life experiences of this group. In addition, African American archaeology provides an important intersection for engaging the deep connection between the past and the present in socially meaningful ways. This course will review important case studies, key figure, major issues, and the overall development of African American archaeology.

AN-378 Gender, Sex and Medicine **Credits: 3**
Prerequisite(s): EN-101 and EN-102
Term Offered: Spring Term
Course Type(s): CD, GS, HE.EL, WT
Explores intersections of biological sex with cultural constructs of gender and medicine. Using cross-cultural examples, the course will employ an anthropological approach to explore how health, well-being and even medical belief systems operate in relation to different genders. Together as a class, we will examine how cultural constructs of gender frame ideals and norms regarding health, explore ways that biological sex is used to support gendered constructs, and demonstrate how these constructs eventually frame how healing takes place.

AN-379 Globalization, Health and Healing **Credits: 3**
Term Offered: Spring Term
Course Type(s): GU, HE.EL, HEPE
Explores globalization through the lens of health and transnational movements. Through lectures, interactive seminar discussions, films, reflective analysis and research projects, students will examine globalization processes through the movement of disease and treatments, patients and healthcare workers.

AN-380 American Cultural Diversity **Credits: 3**
Term Offered: All Terms
Course Type(s): RE
Explores the historical, social, and cultural backgrounds of immigrant groups found within the United States. Through lectures, readings, case studies, and discussions incorporated with service learning as fieldwork, students will be introduced to the complexity and diversity of American society.

AN-382 Applied Anthropology **Credits: 3**
Term Offered: All Terms
Course Type(s): EX5
This course is anthropology put to use - meaning using anthropological research and methods to solve practical problems. This is an upper-level survey course that pays attention to cultural viewpoints, methods and results. While exploring different areas of applied anthropology through the history of the discipline and contemporary research projects, we will study methods unique to this subfield. Practical information, advice and resources on career preparation and development will be offered. By the end of the course, students should be able to answer the question "How can I use anthropology in my future career?"

AN-383 Old World Prehistory **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
An intensive survey of the prehistoric cultures of Europe, Africa, and Asia, focusing on the period between the origins of modern humans to the rise of the first civilizations. Particular attention is paid to the development of art, religious belief systems, agriculture, urbanism, metallurgy, and writing. Early civilizations in Egypt, sub-Saharan Africa, Mesopotamia, Western Europe, and China are examined.

AN-387 Visual Anthropology **Credits: 3**
Term Offered: Spring Term
Course Type(s): CD, COSS
Deals with aspects of visuality in culture and anthropology. A significant part of the course will be devoted to visual anthropology. We will learn about the development of visual anthropology as a discipline, the particular problems and challenges involved in practicing this type of ethnography, the evolution of ideas about accountability, representation, reflexivity and positioning in visual ethnographic methods. We will start with exploring the role of image in anthropology by considering the relationship between photography and ethnography, and continue to study ethnographic filmmaking, from Robert Flaherty's "Nanook of the North," (considered to be the first ethnographic documentary), to the development of Cinema Verite, to the emergence of indigenous media. Students will gain a nuanced understanding of the subject through weekly writing exercises, presentations, and in-class discussion. For a final project, students will write a long-form paper that will combine original research and visual analysis.

AN-389 Anthropological Field Study **Credits: 3**
Prerequisite(s): 6 credits in Anthropology
Term Offered: All Terms
Course Type(s): EX1
Supervised field experience in various branches of anthropology, e.g., archaeological excavation, museum work, ethnography, and primate behavior. Departmental approval is required to take this course.

AN-390 Archaeology Field Study **Credits: 3**
Course Type(s): None
An introduction to the practice of archaeology with a focus on fieldwork and limited laboratory analysis. This is a residential field school, meaning that students will live at or near the site for the majority of the semester. This might include living nearby during the week or for several weeks at a time, as in the case of an international archaeological field project. Students will learn traditional and advanced surveying methods, how to conduct pedestrian surveys, standard archaeological excavation techniques, and how to identify, catalogue, and analyze artifacts. There will be weekly lectures on the archaeology, history, and culture of the chosen archaeological site by project staff and visiting experts.

AN-398 Special Topics in Anthropology (300 Level) **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
An intensive study of a particular subject or problem in anthropology to be announced prior to registration. The course may be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

AN-399 Independent Study in Anthropology **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Guided readings on a topic not otherwise covered in the curriculum. Students must be an Anthropology major and have at least a 2.50 G.P.A. to register for this course. Prior permission of the directing professor and department is required to take this course.

AN-401 Anthropological Theory **Credits: 3**
Prerequisite(s): AN-103 or permission of the instructor
Term Offered: All Terms
Course Type(s): None
A survey of the major theories in anthropology from the nineteenth century to the present, focusing on contributions to our understanding of human society by some of the major figures of anthropology.

AN-408 Cultural Psychology **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
An interdisciplinary course that utilizes theoretical, empirical, and methodological contributions from psychology and anthropology to discuss the position of culture in understanding human behavior and thought. Culture is viewed as a cognitive construct that is learned, lived, shared, and performed. A sample of topics include: the history of cultural and cross-cultural psychology, methodological approaches, aggression, education, development, play, language, social relationships, intelligence, emotion, motivation, and mental health issues. Also listed as PY-408.

AN-425 Latin American Seminar **Credits: 3**
Prerequisite(s): AN-103 or permission of the instructor and EN-101 and EN-102
Course Type(s): RE, WT
An in-depth analysis of select groups in Native Latin America, through lectures, readings, case studies, film, and interactive panel discussions.

AN-426 Research Seminar in Anthropology **Credits: 3**
Prerequisite(s): 90 credits completed or Senior standing
Term Offered: All Terms
Course Type(s): RD
The development, research, and writing of a BA paper on any aspect of anthropology, with special emphasis on scrupulous documentation, use of appropriate sources, clear expository writing, and oral presentation of research results. The course will be taught as a mixture of seminar and one-on-one meetings with the instructor. (It will also include a meeting with a librarian or bibliographer from the Monmouth University Library.)

AN-489 Anthropological Field Study **Credits: 1-3**
Prerequisite(s): 6 credits in Anthropology and permission of the instructor
Course Type(s): EX1
Supervised field experience in various branches of anthropology, e.g., archaeological excavation, museum work, ethnography, and primate behavior. This course may be repeated once for credit.

AN-498 Special Topics in Anthropology (400 Level) **Credits: 1-3**
Course Type(s): None
An intensive study of a particular subject or problem in anthropology to be announced prior to registration. The course may be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

AN-499 Independent Study in Anthropology **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Guided readings on a topic not otherwise covered in the curriculum.

Art (AR)

AR-REV Art and Design Student Portfolio Review **Credits: None**
Term Offered: All Terms
Course Type(s): None
Required student portfolio review usually completed during the fourth semester. Transfer students need to schedule with an advisor. This is a pass/fail course.

AR-SHO Senior Show **Credits: None**
Term Offered: All Terms
Course Type(s): None
This is a pass/fail course.

AR-101 Art Appreciation **Credits: 3**
Term Offered: All Terms
Course Type(s): AT
A global survey of the cross-cultural evolution of art from the prehistoric period through the twentieth century. Emphasis will be placed on understanding the basic elements of art, the creative process, and the significance of art within the context of social, political, religious, and economic climate of its time. This course is not available to Art majors.

AR-113 Basic Design and Composition **Credits: 3**
Term Offered: Fall Term
Course Type(s): AT
An introduction to concepts fundamental to the two-dimensional plane, this course develops visual fluency through projects promoting artistic growth and critical thinking. Students learn to utilize compositional elements, including color, and research themes in contemporary art and art history. Issues of process are explored through experimentation with analog and digital methods, and with a range of media.

AR-114 Basic Design and Color **Credits: 3**
Prerequisite(s): AR-113
Term Offered: Spring Term
Course Type(s): None
A continuation of material covered in Basic Design and Composition (AR-113), this course explores color as a compositional element and a means of expression. Students become visually aware as they critically observe color, problem-solve within design projects, use analog and digital methods, and explore a variety of media.

AR-116 Three-Dimensional Design **Credits: 3**
Term Offered: Spring Term
Course Type(s): AT
An introduction to concepts fundamental to working in three dimensions, this course develops sensitivity to 3D media, processes, and concepts. Students learn to utilize 3D compositional elements, including mass, volume, and texture, and research themes in contemporary art and art history. Issues of process are explored through experimentation with analog and digital methods, and with a range of media.

AR-172 Introduction to Digital Design **Credits: 3**
Prerequisite(s): AR-113
Term Offered: All Terms
Course Type(s): TL
An introduction to basic graphic design and visual communication concepts. Builds on the skills learned in foundation courses in basic design and complements the introduction to the field in Graphic Design Studio I, AR-269. Students will become proficient in design concepts and computer skills later used in the Graphic Design field, including page layout, illustration, photography, and Web design. They will continue to develop creative problem-solving skills and the foundation theory of Graphic Design.

AR-177 Introduction to Digital Design for Non-Art majors **Credits: 3**
Term Offered: All Terms
Course Type(s): TL
Designed for students with little or no experience in computer graphics. Combines basic visual problem solving with hands-on, computer-based digital training. Projects are designed with the non-art/design major in mind and would be appropriate for students majoring in journalism, communications, marketing and music industry.

AR-178 Web Studio **Credits: 3**
Term Offered: Spring Term
Course Type(s): AT, IM, TL
An introduction to visual aesthetics, fundamental principles of user interface (UI) and user experience (UX), and technical skills required to create web graphics and media, digital presentations, and websites. Covers the use of current graphics software in addition to theoretical framework and training in content creation and management needed for the Web. Students will become proficient in visual design, concept development, information literacy, and digital programs.

AR-181 Digital Photography I **Credits: 3**
Term Offered: All Terms
Course Type(s): AT, IM
This foundational digital photography course introduces students to aesthetic, historic, and technical aspects of photographic image-making. Through a combination of lecture and hands-on projects, students will be introduced to principles of black-and-white and color photography as a means of expression and communication. Using digital cameras with manual controls and RAW image capture, students will explore a range of assignments designed to promote photographic seeing, critical thinking, aesthetic appreciation, and historical contexts.

AR-183 Black and White Photography I **Credits: 3**
Term Offered: All Terms
Course Type(s): AT
Technical proficiency in basic black and white photography, including exposure, developing, printing, and presentation. Photography is presented as a tool to understand the world and as a means of expression and communication. Students will learn how to interpret and discuss the visual language of photography.

AR-191 Drawing I: Observation **Credits: 3**
Term Offered: All Terms
Course Type(s): AT
An introduction to the fundamentals of observational drawing, this course develops the ability to translate 3-dimensional objects and space to the 2-dimensional plane. Students develop an understanding of basic drawing elements such as line, value, mass, proportion, and space, and are introduced to a variety of drawing techniques and materials. Subject matter will include both figurative and non-figurative forms; multiple sessions with the model may be included.

AR-192 Drawing II **Credits: 3**
Prerequisite(s): AR-191
Term Offered: Spring Term
Course Type(s): None
A studio course that continues to develop the skills covered in Drawing I, AR-191. Students will be introduced to both traditional and nontraditional concepts and techniques of interpretive and subjective drawing and rendering. Drawing techniques and materials pertaining to the expression of both figurative and nonfigurative subject matter will be explored. The human figure will serve as the primary subject of study with an emphasis placed on the rendering skills. The complex nature of the figure provides students with problems that require serious attention to observational skills in order to correctly render the form. Drawing II utilizes the live, nude model. Six hours per week.

AR-198 Special Topics in Art (100 Level) **Credits: 1-3**
Term Offered: Spring Term
Course Type(s): None
An intensive study of a particular subject or problem in art to be announced prior to registration. The course may be conducted on either a lecture-discussion or a seminar basis. if there is a prerequisite it will be announced in the course schedule.

AR-199 Independent Study in Art **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
Guided research - A studio project or art history topic. Weekly consultation. May be elected for a total of 6 credits Prior permission of the directing professor and department chair is required to take this course.

AR-216 Sculpture I and 3D Printing **Credits: 3**
Course Type(s): AT
Sculpture has an incredibly varied history of content, form, material, scale and intent. In this course you will become introduced to basic methods of 3D construction and fabrication, including hand modeling, digital modeling, mold-making, casting, carving and 3D printing. We will work from observation as well as conceptual models. We will explore current sculptural trends, funding and visibility/marketing models. We will also practice creating artist statements to support our work. Confidence in materials and form will lead to an ever-increasing level of craftsmanship and ability to communicate your ideas in 3D form.

AR-217 Sculpture I **Credits: 3**
Prerequisite(s): AR-116, AR-191, and AR-192 for art majors
Term Offered: Fall Term
Course Type(s): None
Sculpture for beginners as well as intermediate students, including modeling from life, plaster, simple casting procedures, found object, installation, digital modeling and 3D printing. Students will be introduced to professional practices in sculpture. Six hours per week. Department chair approval is required for non-art majors.

AR-221 Painting I **Credits: 3**
Prerequisite(s): AR-113, AR-114, AR-191, and AR-192 for art majors
Term Offered: Fall Term
Course Type(s): None
Techniques and craftsmanship to facilitate expression in acrylic or oil painting; still-life and landscape subjects. Art and Art Education students must have prerequisite. Six hours of studio work per week. Department chair approval is required for non-art majors.

AR-222 Painting II **Credits: 3**
Prerequisite(s): AR-221
Term Offered: Spring Term
Course Type(s): None
A continuation of AR-221, Painting I, with emphasis on the further development of painterly ideas and creative thinking. Art and Art Education majors must have prerequisites. Six hours of studio work per week.

AR-231 Eco Art **Credits: 3**
Term Offered: Spring Term
Course Type(s): AT
With the idea of the artist and non-artist in mind, this course focuses on building creativity, vision, and the ability to synthesize new ideas from across disciplines to form original ideas and solutions around the human/nature relationship. Through individual and collaborative problem-led investigations, students will utilize research, writing, and discussion to create 2D, 3D, and time-based art that engages a specific ecological topic. Particular focus will be placed on eco-artists' ways of working, eco-art materials, and transdisciplinary research.

AR-241 History of Western Art I **Credits: 3**
Term Offered: Fall Term
Course Type(s): ARHIS, AT
Survey of the significant styles and periods in Western art and architecture from Prehistoric to Gothic periods. Weekly lectures and discussions assist students with developing their visual literacy and a critical understanding of the past.

AR-242 History of Western Art II **Credits: 3**
Term Offered: All Terms
Course Type(s): ARHIS, AT
Survey of the significant styles and periods in Western art and architecture from the Renaissance to the present. Weekly lecture and discussions assist students with developing their visual literacy and a critical understanding of the past.

AR-253 Digital Photography II **Credits: 3**
Prerequisite(s): AR-181
Term Offered: Fall Term
Course Type(s): None
Students develop knowledge of image development, construction, retouching, and collage techniques using traditional film, digital images, and drawing as source material. Students will learn a variety of camera skills, including shooting in RAW format. A critical examination of intent is stressed along with output options and color management. Introduces programs such as Aperture and/or Lightroom to further expand digital workflow skills.

AR-265 Hand Built Ceramics **Credits: 3**
Term Offered: All Terms
Course Type(s): AT
An introduction to clay as a creative material for making both functional and sculptural 3-D forms using various hand-building techniques, including coils, slabs, carving, incising, and their combination. Basic glazing and firing methods will be covered. Slide presentations, group and individual critiques will be part of the curriculum.

AR-266 Wheel Thrown Ceramics **Credits: 3**
Term Offered: All Terms
Course Type(s): AT
An introduction to the potter's wheel as a tool for creating both functional and sculptural clay forms. In addition to throwing forms on the wheel, students will gain knowledge about glazing and firing techniques. Slide presentations, group, and individual critiques will be part of the curriculum.

AR-269 Graphic Design Studio I **Credits: 3**
Prerequisite(s): AR-113 for Art majors only
Co-requisite(s): AR-114
Term Offered: All Terms
Course Type(s): None
An introduction to graphic design, including conceptual thinking, the making of signs, icons, and symbols, logo and brand identity, letterform design, layout, and design techniques. Students will also be introduced to design history and current issues regarding the profession. For students minoring in Graphic and Interactive Design, there are no prerequisites, however, approval of the department chair is required.

AR-270 Graphic Design Studio II **Credits: 3**
Prerequisite(s): AR-172 or AR-177, and AR-269
Co-requisite(s): AR-273
Term Offered: Spring Term
Course Type(s): None
Introduces more advanced visual communications and typographic problem solving. Projects strategically test the students' understanding of design theory, research, writing, and thinking. Individual projects mimic those in a professional design environment and are developed following the traditional creative process. Projects include branding, corporate identity, information design, digital illustration, app design, and packaging.

AR-273 Digital Illustration **Credits: 3**
Prerequisite(s): AR-172 or AR-177
Term Offered: All Terms
Course Type(s): None
A continuation of Introduction to Digital Design with primary emphasis on more advanced illustration software. Assignments build on previously learned software and concepts. Projects may include illustrative posters, booklets, interiors, and currency design.

AR-282 Web Design/Interactive I for Non-BFA Candidates **Credits: 3**
Prerequisite(s): AR-172 or AR-177 or AR-178
Term Offered: Spring Term
Course Type(s): IM
An introduction to web design and development. Covers an overview of the creation of websites and the use of web graphics, web programming, and multimedia through web-based software programs. Other software tools including Photoshop and Illustrator are used to develop design concepts and web content. Fundamentals of graphic production, layout design, and web typography are discussed. Not available to BFA Candidates.

AR-283 Black and White Photography II **Credits: 3**
Prerequisite(s): AR-183
Term Offered: All Terms
Course Type(s): None
Focuses on advanced technical skills as a means of gaining greater personal and aesthetic understanding. Advanced 35mm camera and printing techniques, basic studio lighting, and exploring different photographic formats including medium, large, and toy cameras, as well as experimental techniques of image making and printing.

AR-284 Web Design/Interactive II for Non-BFA Candidates **Credits: 3**
Prerequisite(s): AR-178 or AR-282
Term Offered: Spring Term
Course Type(s): IM
Integrates previously learned web design and development concepts. Students will create dynamic web content such as animation, audio/video using web-based software and programming languages. Other software tools including Photoshop, Illustrator, and sound editing programs are used to develop design concepts and web content. Not available to BFA candidates.

AR-286 Principles of Animation for Non-BFA Candidates **Credits: 3**
Course Type(s): AT, IM
Students will learn the basic theories and principles of animation. An overview of the early history of animation will be given to put current practice into perspective. Students will be introduced to different animation techniques, such as 2D, Stop Motion, and 3D computer animation. They will apply these techniques to complete several short exercises and pick one to complete a final project. Not available to Fine Art majors. This is a hands on studio course: students will be drawing, and creating animations on the computer.

AR-287 Typography **Credits: 3**
Prerequisite(s): AR-172 or AR-177, and AR-269
Term Offered: All Terms
Course Type(s): None
An introduction to the theory, function, history, and impact of typography in graphic design. This course is an analysis of the shape and form of letters. Investigation and comparison of existing typefaces, type specification and layout in relation to graphic design and the printed piece.

AR-288 Cooperative Education: Art or Graphic Design **Credits: 3**
Term Offered: Spring Term
Course Type(s): EX2
An on-site graphic design cooperative work placement. This course may be repeated for credit.

AR-290 Motion Graphics for Non BFA Majors **Credits: 3**
Prerequisite(s): AR-172 or AR-177 or CO-145
Term Offered: All Terms
Course Type(s): IM
An introduction to the art of time-based, graphic storytelling for non-art/design majors. Emphasis will be placed on the creation of engaging digital environments through the thoughtful integration, manipulation, and orchestration of audio, video elements, typography, and animated logos. Meets six hours a week. Not available to BFA candidates.

AR-298 Special Topics in Art (200 Level) **Credits: 1-3**
Term Offered: Spring Term
Course Type(s): None
An intensive study of a particular subject or problem in art to be announced prior to registration. The course may be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

AR-299 Independent Study in Art **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
Guided research - A studio project or art history topic. Weekly consultation. May be elected for a total of 6 credits. Prior permission of the directing professor and department chair is required to take this course.

AR-306 Creative Book Arts **Credits: 3**
Prerequisite(s): AR-114 and AR-192
Term Offered: Spring Term
Course Type(s): None
An introduction to bookbinding and papermaking. Traditional western-style papermaking and several non-adhesive binding structures will be covered. The students will produce a final bound book of sequential images (pages) in any media relevant to her/his discipline. The print lab will be available but not required. Department Chair for non-Art majors is required.

AR-311 Drawing III **Credits: 3**
Prerequisite(s): AR-113, AR-114, AR-191 and AR-192
Term Offered: Fall Term
Course Type(s): None
Seeing the figure, objects, and the environment; exploring all possible avenues of expression resulting from the experience of seeing; drawing experiences in various media. Six hours per week.

AR-313 Lighting Techniques **Credits: 3**
Prerequisite(s): AR-181
Term Offered: Spring Term
Course Type(s): None
A studio course that explores the photograph in contemporary art. Photography's integral tie to light serves as the backbone of this course as it investigates the alternative and contemporary spaces used by photographic artists. Digital and analog tools and skills blur as students are encouraged to experiment and challenge their ideas of what defines a photograph. Teaches studio lighting as it applies to fine art and commercial photography. Includes technical instruction in the lighting studio as well as on location with both portable lights and natural light. Defined by critiques and continues technical and conceptual advancement.

AR-316 Sculpture II **Credits: 3**
Prerequisite(s): AR-217
Term Offered: Spring Term
Course Type(s): EX3
A direct continuation of AR-217, Sculpture I, processes along with multi-media contemporary practice of interdisciplinary collaboration, artist teams and social practice art. Students will develop professional practices in sculpture. Six hours per week.

AR-317 Sculpture III **Credits: 3**
Prerequisite(s): AR-217 and AR-316
Course Type(s): None
A direct continuation of AR-218 students will develop a body of three-dimensional work exploring further skills learned in Sculpture II, expanding on content, form, material, scale and intent. Final artist talk required along with professional presentation of digital and actual art objects. Six hours per week.

AR-321 Painting III **Credits: 3**
Prerequisite(s): AR-221 and AR-222
Term Offered: Spring Term
Course Type(s): None
The development of the student as a painter, with emphasis on the philosophy of painting. Six hours of studio per week.

AR-323 Documentary Photography **Credits: 3**
Prerequisite(s): AR-181
Term Offered: Fall Term
Course Type(s): None
By investigating documentary-style photography, this course concentrates on using still images to tell stories. Working both independently and in small groups to produce documentary photographs, students explore the role of documentary photography in society.
Prerequisite: AR-181

AR-325 Writing Supplement for Art and Design **Credits: 1**
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): WT
The writing component for co-registered studio classes which integrates a fifteen-page research paper. Emphasis is placed on the quality of writing and research.

AR-326 Writing Supplement for Art and Design **Credits: 1**
Prerequisite(s): EN-101 or EN-102 or permission of the instructor; A 200, 300, or 400 level studio course is required as a corequisite
Term Offered: All Terms
Course Type(s): WT
The writing component for co-registered studio classes which integrates a fifteen-page research paper. Emphasis is placed on the quality of writing and research.

AR-335 BFA Internship/Seminar **Credits: 3**
Prerequisite(s): AR-371 or AR-392 and Junior status
Term Offered: All Terms
Course Type(s): EX1
Internship experience with the development of occupational or professional competence in the career setting. Combines both internship work experience at an approved work location with a structured seminar class. The seminar component of this course will also guide students through the process of resume writing, interviewing techniques, and best business practice. On-site design or animation work internship (fifteen to twenty hours per week for a total of 150 hours) plus four three-hour long seminar sessions with faculty. This course may be repeated once for credit.

AR-341 Art Theory and Writing **Credits: 3**
Prerequisite(s): AR-242, EN-101, and EN-102; or permission of the instructor
Term Offered: Fall Term
Course Type(s): ARHIS, WT
Designed to develop a critical understanding of theories of contemporary art and various types of art writing, including, but not limited to, art criticism, art historical writing, and artist statements.

AR-342 History of New and Expanded Media in Art **Credits: 3**
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): ARHIS, IM, WT
A survey of computer-based new media and ephemeral expanded media in art with emphasis on the later twentieth century to the present. Topics could include the use of computing, robotics, biotech research, virtual reality, performance, and social practice in art while critically reflecting on the aesthetic, cultural, social, and political contexts within which these media emerged.

AR-343 Renaissance, Mannerist, and Baroque Art **Credits: 3**
Prerequisite(s): AR-242
Course Type(s): ARHIS
Painting, sculpture, and architecture in Europe from 1400s-1800s. Museum visits required.

AR-345 Early to Late Modern Art **Credits: 3**
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: Spring Term
Course Type(s): ARHIS, WT
A critical analysis of various meanings of "Modernism" in art. This course studies academic art to art of the present through U.S., European, and global case studies. Museum visits required.

AR-346 History of Graphic Design **Credits: 3**
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): ARHIS, WT
A survey of graphic design with an emphasis on the twentieth century to the present. The course instructs students in researching areas of interest to broaden their knowledge of issues in the discipline while critically reflecting on the aesthetic, cultural, social, and political contexts within which graphic design emerged.

AR-347 History of Photography **Credits: 3**
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): ARHIS, CD, WT
A topically arranged survey of world photography, this course takes as its central concern the multiple purposes to which photography has been adapted since its "discovery" in the early nineteenth century. Although the relationship between photography and fine art is considered, the many non-art uses of the medium are also discussed in an attempt to better understand the cultural contexts in which photography has been employed.

AR-348 Art of India **Credits: 3**
Term Offered: All Terms
Course Type(s): ARHIS, AT, BI.EL, GU, RE
The visual art of India: how to look at it and how it might be best understood. The larger cultural context in which this art was produced, drawing upon history, religion, mythology, and literature will be discussed. Essentially, pre-modern Indian art is religious art. After studying the major monuments associated with Buddhism and Hindu art, the themes common to both traditions will be considered. The temple as an artistic expression and as a religious center will be explored. Because of the vastness of India art, this course will not include Mughal and later monuments.

AR-349 Asian Art Survey **Credits: 3**
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): ARHIS, GU, WT
Important Artistic Monuments from India, China and Japan. Since Buddhism is a connecting link for Asian cultures, emphasis is placed on Buddhist art.

AR-350 World Art Nineteenth-Twentieth Century **Credits: 3**
Term Offered: All Terms
Course Type(s): ARHIS, RE
A global investigation of the cross-cultural evolution of art in the nineteenth to mid-twentieth century. Non-Western art will be studied from the point of discovery through its influence on modern, Western, visual expression. Emphasis will be placed on the significance of the art work within the context of the social, political, religious, and economic climate of its time.

AR-351 Methods of Teaching Art I **Credits: 3**
Prerequisite(s): AR-114, AR-116, AR-192, and ED-320 and a minimum G.P.A. of 3.00.
Term Offered: All Terms
Course Type(s): None
The history and philosophy of art education; the construction of art curricula and the exploration of teaching methods; media and tools appropriate for the educational level. Methods I deals with the needs of the elementary school child. The course includes research-based pedagogical strategies for teaching linguistically diverse students, those with diverse learning needs, incorporating instructional technology into the classroom and utilizing data to inform instruction. Clinical Hours required. Also listed as ED-351.

AR-352 Methods of Teaching Art II **Credits: 3**
Prerequisite(s): ED-351 or AR-351 and Minimum G.P.A. of 3.0.
Term Offered: Spring Term
Course Type(s): None
The history and philosophy of art education; the construction of art curricula and the exploration of teaching methods; media and tools appropriate for the educational level. Methods II deals with the needs of the adolescent. The course includes research-based pedagogical strategies for teaching linguistically diverse students, those with diverse learning needs, incorporating instructional technology into the classroom and utilizing data to inform instruction. Clinical Hours required. Also listed as ED-352.

AR-353 Digital Photography III **Credits: 3**
Prerequisite(s): AR-253
Term Offered: All Terms
Course Type(s): None
A strong foundation in the technical and aesthetic aspects of color photography through projects utilizing digital RAW files and analog negatives with instruction in color printing and studio lighting as it pertains to the nuances of color. Discussions and critical writings focus on the history and theory of color photography. Combines analog and digital techniques and focuses on more advanced file managing and color control both on the monitor and in the print.

AR-366 Contemporary Art and Worldbuilding **Credits: 3**
Prerequisite(s): EN-101 and EN-102 or instructor permission
Term Offered: All Terms
Course Type(s): CD, WT, ARHIS
Examines the history of contemporary art of various forms of worldbuilding. Topics may include, but are not limited to: the built environment and its impacts on communities, public monuments, immersive and virtual art/video games, artist utopias, design for good, art and education, art and mass incarceration, artist collectives, art and climate crisis, and community building through art. Class assignments will focus on research and writing within the arts.

AR-367 African American Art **Credits: 3**
Prerequisite(s): EN-101 and EN-102 or permission of the instructor.
Term Offered: All Terms
Course Type(s): CD, WT, ARHIS, RE
Examines the history of "African American Art" from the 18th century to the present by analyzing a range of visual art media and the institutions of art that contribute to uneven power dynamics based on race. Class assignments will focus on research and writing within the arts.

AR-368 Gender, Art, and Society **Credits: 3**
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Course Type(s): ARHIS, GS
A critical survey about the role of gender in the arts through a study of representational subjects, artists, and patronage. This course considers art's role in the construction of gender as a social structure by drawing from fields that include art history, gender studies, critical race studies, and queer theory.

AR-370 Advanced Typography **Credits: 3**
Prerequisite(s): AR-287
Term Offered: Spring Term
Course Type(s): None
An advanced level course in the study of typography. This course will expand upon topics covered in AR-287 Typography by considering the emotional, expressive, and effective use of typographic elements pertaining to graphic design and visual messaging. Projects will be produced for a variety of applications including: broadsides (print media), original typeface design with Font Lab Studio (digital), and conceptual typography (experimental).

AR-371 Graphic Design Studio III **Credits: 3**
Prerequisite(s): AR-270
Term Offered: All Terms
Course Type(s): None
Marks the transition from graphic design fundamentals to more complex visual problem solving. Projects focus on original exploration and design in corporate identity and branding. Course topics include: trademark and copyright, marketing research, brand strategy, and design briefs. Students implement concepts through creation of collateral, packaging, and interactive promotion. Professional preparation of work for commercial use is an integral part of this course.

AR-374 Digital Imaging **Credits: 3**
Prerequisite(s): AR-273
Term Offered: All Terms
Course Type(s): None
Advanced concepts and creative techniques in digital imaging using Adobe Photoshop. Projects build on all previously learned software, specifically the Adobe Creative Suite. Assignments include varied aspects of graphic design including file preparation and creation for digital compositing and large format printing. This course also prepares students for work within the professional printing industry.

AR-375 Illustration for Gaming **Credits: 3**
Prerequisite(s): AR-114, AR-172, and AR-192
Course Type(s): None
Introduction and application of illustration as a means toward effective visual communication in the gaming and animation industry. Emphasis on the development of the creative visual concept and its relationship to style, media, technique, and methods of reproduction. Introduction to a variety of traditional and non-traditional techniques.

AR-381 Print: Intaglio/Relief **Credits: 3**
Prerequisite(s): AR-191 and AR-192
Term Offered: All Terms
Course Type(s): None
Introduction to the printmaking techniques of relief printing; linocut, woodcut, and etching; hard and soft ground, and aquatint. Six hours per week. Department chair approval is required for non-art majors.

AR-382 Print: Lithography and Silkscreening **Credits: 3**
Prerequisite(s): AR-191 and AR-192
Term Offered: All Terms
Course Type(s): None
Introduction to the printmaking techniques of aluminum plate lithography and Photo Silkscreen, with an emphasis on multiple color and combination Litho/Silkscreen hybrid prints. Six hours per week. Department Chair approval for non-art majors is required.

AR-383 Web Design/Interactive I **Credits: 3**
Prerequisite(s): AR-253 or AR-374
Term Offered: All Terms
Course Type(s): None
An introduction to web design and production. Covers an overview of the creation of websites and the use of web graphics, web programming, and multimedia through web-based software programs. Fundamentals of graphic production, layout design, web typography, and the principles of Interaction Design and UX Design are discussed.

AR-384 Web Design/Interactive II **Credits: 3**
Prerequisite(s): AR-383
Term Offered: Spring Term
Course Type(s): None
An advanced class in web design and development. It extends the design principles and techniques introduced in Web Design/Interactive I. Students will create dynamic web content such as animation, audio/video using web-based software and programming languages. Emerging web technology will be discussed.

AR-385 2D Animation **Credits: 3**
Prerequisite(s): AR-172
Term Offered: Spring Term
Course Type(s): None
Students will be exposed to the fundamental terminology, concepts, and techniques of creating 2D animations to broaden their skills as animators and enhance their overall creative ability. Using pencil and paper in conjunction with computer based techniques, students will gain experience in basic principles of animation including timing, expression of emotion, straight ahead action and pose to pose, key frames and in-betweens. In the assigned projects for this course, students are responsible for controlling and manipulating a subject's perceived volume, weight, proportion, and movement, thus gaining a more thorough understanding of the animation process.

AR-386 Principles of Animation **Credits: 3**
Prerequisite(s): AR-114
Term Offered: Fall Term
Course Type(s): None
Students will learn the basic theories and principles of animation. An overview of the early history of animation will be given to put current practice into perspective. Students will be introduced to different animation techniques, such as 2D, Stop Motion, and 3D computer animation. They will apply these techniques to complete several short exercises and pick one to complete a final project.

AR-387 3D Modeling, Lighting and Rendering **Credits: 3**
Prerequisite(s): AR-172
Term Offered: Spring Term
Course Type(s): None
Students will learn how to create virtual objects, both hard surface and organic models, apply materials and lighting, set up a camera, and render professional quality images. Special attention will be given to modeling for animation and real time rendering. The focus will be on the concepts, aesthetics, and practice of generating 3D computer imagery as a means of artistic expression.

AR-389 Art and Photography Internship **Credits: 1-3**
Term Offered: All Terms
Course Type(s): EX1
An internship in any art and design disciplines with the development of professional competence in the career setting. The placement must enhance a student's knowledge of his or her chosen field of study. Students are required to complete 50 hours per credit. Sophomore status and permission of the instructor is required to register for this course.

AR-390 Animation/Motion Graphics I **Credits: 3**
Prerequisite(s): AR-172 or AR-181
Term Offered: All Terms
Course Type(s): IM, RD
An introduction to the art of time-based, graphic storytelling. Emphasis will be placed on the creation of engaging digital environments through the thoughtful integration, manipulation, and orchestration of audio, video elements, typography, and animated logos.

AR-391 Animation/Motion Graphics II **Credits: 3**
Prerequisite(s): AR-290 or AR-390
Course Type(s): IM
Explores the commercial and experiential nature of motion graphics. Projects for this advanced course expand upon established time-based narrative structures for film, video and television. Emphasis will be placed on the synergy of video, writing, storyboarding, editing, and three-dimensional graphic elements.

AR-392 3-D Animation **Credits: 3**
Prerequisite(s): AR-116 or AR-387
Co-requisite(s): AR-386
Course Type(s): None
Building upon the Principles of Animation, students learn to create three dimensional animations, both virtual (3D Computer Animation) and physical (Stop Motion). Character Animation, Procedural animation and Simulation, and animation for Real Time applications will be introduced. Students will complete assignments for each of these different types of animation, and complete a final project with their choice of one of these techniques.

AR-393 3-D Animation Production **Credits: 3**
Prerequisite(s): AR-387
Term Offered: Fall Term
Course Type(s): None
Concepts, tools and techniques employed in animated storytelling. Students will pre-visualize their projects through storyboarding, planning, and assembling shots in sequence. Students will learn how to combine sound with advanced 3D computer animation. Audio/visual synchronization as well as character lip syncing with phonemes will be explored. Students will construct complex 3D animated stories in Maya and complete a fully animated piece.

AR-394 3-D Environments and Effects **Credits: 3**
Prerequisite(s): AR-393, or AR-387 and AR-392
Term Offered: Spring Term
Course Type(s): None
Concepts, tools, and techniques for creating realistic natural environments and phenomena (such as moving clouds, fire, and flowing water). Students will sculpt complex polygonal geometry into various terrains including landscapes and foliage. Students will learn to create realistic backgrounds incorporating natural light. Creating realistic shadows will be explored as well. Students will learn how to use particle emitters in order to simulate phenomena such as flowing water, flames, and snow.

AR-395 Animation Production **Credits: 3**
Prerequisite(s): AR-386 and AR-390
Course Type(s): None
Students learn how to organize and plan an animation project, add sound and finish their final product. All the steps from concept to final product are covered: Storyboarding, Animatic, Sound, Post-production. While students will make use of computer technology for the practical side of this course, the main focus is on the professional animation process: workflow, planning, and best practices.

AR-398 Special Topics in Art (300 Level) **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
An intensive study of a particular subject or problem in art to be announced prior to registration. The course may be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

AR-399 Independent Study in Art **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
Guided research - a studio project or art history topic. Weekly consultation. May be elected for a total of six credits. Prior permission of the directing professor and department chair is required to take this course.

AR-401 Senior Portfolio **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
A seminar class that chronologically analyzes and refines graphic design and computer projects, which have been done throughout the student's coursework. Meetings with instructor to discuss and critique reworked and new projects that have been specifically assigned.

AR-402 Photography Portfolio **Credits: 3**
Prerequisite(s): AR-353
Term Offered: Spring Term
Course Type(s): None
Equal parts seminar and studio in its approach, this senior-level course incorporates discussions and readings focused on contemporary photo-based artworks and the theoretical and critical developments in recent photographic art practices. In addition, this course helps prepare students to enter the professional art world and/or graduate school. Students develop a cohesive portfolio of photographic imagery and create a strategy for the presentation of their work.

AR-403 Advanced Digital Imaging and Illustration **Credits: 3**
Prerequisite(s): AR-253 or AR-374
Term Offered: All Terms
Course Type(s): None
For student designers and fine artists with intermediate computer skills who are interested in more advanced concepts and creative techniques in digital illustration, photography, digital collage, printmaking and handmade techniques, digital book publishing, and large format printing. Programs to be explored are Adobe Photoshop and Wacom digital tablets.

AR-404 Responsive Media **Credits: 3**
Prerequisite(s): CO-145 or AR-181
Term Offered: Spring Term
Course Type(s): CORTP, IM
Students learn how to make interfaces for smart phones and tablets to create interactive audio and video. In addition, students will produce creative projects using data mapping, generative art and work collaboratively on a site-specific media project. Also listed as CO-404.

AR-408 Senior Year Experience: Client/Thesis **Credits: 3**
Co-requisite(s): AR-383
Term Offered: Fall Term
Course Type(s): None
The first part of a two course, senior year capstone experience designed to provide students the opportunity to propose and research a thesis project, create entry-level, professional design work, and to work with clients all while under the direction of a faculty member. For BFA majors Graphic Design majors only.

AR-409 Senior Year Experience: Thesis/Portfolio **Credits: 3**
Prerequisite(s): AR-408
Co-requisite(s): AR-384
Term Offered: Spring Term
Course Type(s): None
The second part of a two course, senior year capstone experience designed to provide students the opportunity to complete a thesis project, work with clients under the direction of a faculty member, successfully mount their senior exhibition for AR-SHO credit, and to create an entry-level, professional design portfolio. For BFA Graphic Design Majors only.

AR-410 Advanced Project I **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
Research, art making, and writing for Honors Project may be conducted for photography, painting, sculpture, printmaking, graphic design, Web design, or motion graphics and is determined by a student's particular discipline and medium of choice. The art to be made is informed by the student's research and is articulated in full through a final eighteen-twenty page research paper. The topic of research may include but is not limited to identity, gender roles in culture, feminism, religion, the occult, consumerism, politics, cultural diversity, war, personal experience, Renaissance vs. contemporary art, Greek vs. contemporary sculpture, etc. Alternatively, the student may also conduct a thorough exploration of the characteristics of a particular medium. Art and Design faculty must approve the topic. This is the first part of a two-semester class. To register for this course, students must have Junior standing or higher, permission of the department chair, a minimum G.P.A. of 3.00, a major G.P.A. of 3.50, and the student must be an art or fine arts major.

AR-411 Advanced Project II **Credits: 1-3**
Prerequisite(s): AR-410, a minimum G.P.A. of 3.00, a major G.P.A. of 3.50, Junior status, EN-101 and EN-102 or permission of the instructor, and the student must be an Art or Fine Arts major and have permission of the department chair
Term Offered: Spring Term
Course Type(s): WT
Research, art making, and writing for Honors Project may be conducted for photography, painting, sculpture, printmaking, graphic design, Web design or motion graphics and is determined by a student's particular discipline and medium of choice. The art to be made is informed by the student's research and is articulated in full through a final eighteen to twenty-page research paper. The topic of research may include but is not limited to identity, gender roles in culture, feminism, religion, the occult, consumerism, politics, cultural diversity, war, personal experience, Renaissance vs. contemporary art, Greek vs. contemporary sculpture, etc. Alternatively, the student may also conduct a thorough exploration of the characteristics of a particular medium. Art and Design faculty must approve the topic. This is the second part of a two-semester class.

AR-414 Group Project in 3D Animation **Credits: 3**
Prerequisite(s): AR-394 or AR-395
Term Offered: Fall Term
Course Type(s): None
Students will learn how to work on a production team for a 3D project. Students will work in a team environment to brainstorm, communicate effectively, develop project goals, and delegate responsibilities. Students will learn how to meet deadlines both individually and collectively. Student groups are expected to produce a 3D animated piece with an estimated three-minute duration.

AR-415 Senior Animation Reel **Credits: 3**
Prerequisite(s): AR-414
Term Offered: Spring Term
Course Type(s): None
Students will create a reel between two to three minutes in duration of their animation work from previous animation projects and new animation projects. Includes lecture, discussion, demonstration, critiques and individual meetings with students to support the development of students' work. Students will research self-promotional opportunities such as competitions and festivals. Students will revise their resume to respond to their career interests. Emphasis will be placed on the development of a personal point of view.

AR-488 Cooperative Education: Art or Graphic Design **Credits: 3**
Prerequisite(s): AR-335 or AR-337 and departmental approval
Term Offered: Spring Term
Course Type(s): EX2
An on-site graphic design cooperative work placement. This course may be repeated for credit.

AR-489 Internship in Art and Design **Credits: 1-3**
Term Offered: All Terms
Course Type(s): EX1
An internship in either graphic design or fine arts at an off-campus work site. The placement must enhance a student's working knowledge of his or her chosen field of study. Students are required to complete a minimum of ten hours per week for a total minimum of 150 hours.

AR-498 Special Topics in Art (400 Level) **Credits: 1-3**
Term Offered: Spring Term
Course Type(s): None
An intensive study of a particular subject or problem in art to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If there is a prerequisite it will be announced in the course schedule.

AR-499 Independent Study in Art **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
Guided research - a studio project or art history topic. Weekly consultation. May be elected for a total of six credits. Students must have Senior standing and prior permission of the directing professor and department chair to take this course.

Biology (BY)

BY-101 Issues and Methods of Biology **Credits: 3**
Prerequisite(s): SC-100
Term Offered: Spring Term
Course Type(s): None
Major concepts in biological science and their importance in current society. Methods and approaches to questions in biology. Cannot be used in satisfaction of a major requirement in the Biology program.

BY-102 Applications in Biotechnology **Credits: 3**
Term Offered: Spring Term
Course Type(s): NS
Introduction for non-science majors. The focus is on basic principles of biotechnology along with an exploration of associated bioethical issues. The laboratory component serves to familiarize students with scientific practice.

BY-103 Environmental Science **Credits: 3**
Term Offered: All Terms
Course Type(s): NS
Examines society's effects on the natural environment and current efforts to address environmental issues in a sustainable manner. Stresses the interdisciplinary nature of environmental issues, and that resolution of environmental problems sustainably involves the application of sound scientific information, but at the same time involves social, political, cultural, and economic values as well.

BY-104 Human Biology **Credits: 3**
Term Offered: All Terms
Course Type(s): NS
Introductory course for non-science majors. Focus is on basic structure and function of human body systems and diseases of these systems. The laboratory component serves to familiarize students with scientific practice.

BY-105 Introductory Biology and Human Development **Credits: 3**
Term Offered: All Terms
Course Type(s): NS
An introductory-level survey of biology with an emphasis on human biology that includes human development, aging, genetics and other topics selected to support the social work program. An introduction to neurobiology will be provided with applications in mental health. Not for credit toward a major in biology. For Social Work majors only.

BY-106 The Brain - Highs and Lows **Credits: 3**
Term Offered: Spring Term
Course Type(s): NS
An introductory neurobiology course designed for non-science majors. The focus is the study of the human brain from the highs of intelligence and creativity to the lows of depression. The brain will also be examined for its roles in drug use, from the highs of euphoria to the lows of dependence. Topics will include the interplay between genetic and environmental influences that shape the brain and its responses. Not for credit towards a major in Biology.

BY-107 Microbiology in Health and Disease **Credits: 4**
Term Offered: All Terms
Course Type(s): None
Microorganisms pathogenic for man; emphasizing etiology, modes of transmission and control. Laboratory includes proper collection of specimens, aseptic technique, cultivation, identification, and disposal of microbes. Three hours of class, two hours of laboratory per week.

BY-108 Evolution and the History of Life on Earth **Credits: 3**
Term Offered: Spring Term
Course Type(s): NS
Examines evolution both as a process and as a phenomenon. Students will examine how evolutionary processes occur in time, both very short and geological time scales, and how both are studied. Students will review the history of life on earth with emphasis on major lineages such as vertebrates, mollusks, insects and plants, as well as basic geological processes and continental drift during these time periods. Bacterial evolution will be examined in the context of the importance of understanding natural selection and evolution and their impacts on society and medicine. Emphasis will be placed on understanding evolution of groups and processes often cited in creationist arguments, to help students be prepared to enter civil discourse as informed citizens. Evidence of evolutionary change from the fossil record and DNA sequences of organisms will be compared and reviewed.

BY-109 Introduction to Ecology and Evolution **Credits: 4**
Term Offered: All Terms
Course Type(s): NS
Introductory course for biology majors. Focus is on evolution, origin and diversity of life, Ecology and climate change. Three hours of lecture and 2 hours of laboratory per week. This course satisfies the Natural Science component of General Education.

BY-110 Introduction to Cell and Molecular Biology **Credits: 4**
Term Offered: All Terms
Course Type(s): NS
For biology majors and other students needing an introduction to the cellular and molecular levels of biology. Includes an introduction to cell structure and function, biochemistry and metabolism, bioenergetics, genetics and cell division, and molecular biology. Three hours of lecture and three hours of laboratory per week. Limited to majors in Biology, Chemistry, Clinical Science, Medical Laboratory Science, Mathematics, Computer Science, Software Engineering, Criminal Justice, Health Studies, and Health and Physical Education.

BY-111 Anatomy and Physiology I **Credits: 4**
Term Offered: All Terms
Course Type(s): NS
Study of human systems: structure, function and integration, including chemical and cellular base, integumentary, skeletal, muscular and nervous systems. Laboratory covers human anatomy, microscopy of tissues and organs, and physiological study of living organisms. Three hours of lecture, two hours of laboratory per week. Open to Health Studies, Health Promotion, Health and Physical Education and Education, and Nursing majors only. This course is a non-major level Biology course and cannot be used to fulfill the Biology minor. Students pursuing professional graduate health programs should register for BY-211. Students who take BY-111 are not eligible to take BY-211.

BY-112 Anatomy and Physiology II **Credits: 4**
Prerequisite(s): BY-111 passed with a grade of C- or higher
Course Type(s): NS
Study of human systems: structure, function and integration, including special senses, digestive, endocrine, cardiovascular, lymphatic and immunity, respiratory, urinary and reproductive. Laboratory covers human anatomy, microscopy of tissues and organs, and physiological study of living organisms. Three hours of lecture, two hours of laboratory per week. Open to Health Studies, Health Promotion, Health and Physical Education and Education, and Nursing majors only. This course is a non-major level Biology course and cannot be used to fulfill the Biology minor. Students pursuing professional graduate health program should register for BY-212. Students who have taken BY-112 are not eligible to take BY-212.

BY-113 Introduction to Structure and Function of Living Systems **Credits: 3**
Term Offered: All Terms
Course Type(s): NS
Examines the characteristics of living organisms. Intended primarily for future elementary teachers to provide them with a better understanding of the life sciences they will teach. Content will focus on the structure and function of cells, tissues and organs and life processes. There is an emphasis on understanding heredity, including patterns of inheritance of traits and the molecular basis of heredity, and growth and development. This is an activity-centered/lab course to demonstrate scientific inquiry (questioning, developing hypotheses, gathering data, and drawing reasonable conclusions) and how to use resources and research material in science. BY-113 does not count towards the Biology major or minor requirements.

BY-114 Unity and Diversity of Life **Credits: 3**
Term Offered: Fall Term
Course Type(s): NS
Intended primarily for future elementary school teachers to provide them with a better understanding of the life sciences they will teach. Examining the interdependence and individuality of organisms in ecosystems, populations and communities and how these organisms change over time due to life cycles, mutations, adaptions and natural selection. Classification of organism will also be covered. This is an activity-centered/lab course to demonstrate scientific inquiry (questioning, developing hypotheses, gathering data, and drawing reasonable conclusions) and how to use resources and research material in science. BY-114 does not count towards the Biology major or minor requirements.

BY-116 The Biology of Nutrition, Aging, and Anti-Aging Nutrition **Credits: 3**
Course Type(s): None
Discussions of the theories of aging and the role of nutrition in delaying aging and preventing degenerative disease. Analysis of the scientifically sound, medically reliable evaluation of widely promoted nutritional supplements, including the anti-aging nutrients: vitamins, minerals, amino acids, nucleic acid derivatives, lipids and derivatives, pharmaceuticals and chemicals (BHA, BHT, DMSO, etc.) and other supplements (L-Carnitine, ginseng, etc.)

BY-118 The Mighty Microbes **Credits: 3**
Term Offered: Spring Term
Course Type(s): NS
An introductory microbiology course designed for non-science majors. Students will investigate microbiology in everyday living. Topics will include the role microbes have in health, disease, the environment, and food and beverage production. Attention will be devoted to microbiology related current issues. Students will learn the impact microbes have in society so that they develop awareness, knowledge of and appreciation of microbiology.

BY-119 Introductory Biology Major Seminar **Credits: 1**
Term Offered: All Terms
Course Type(s): None
Designed for first-year students in any of the majors offered by the Biology Department, this course will introduce students to the academic requirements required for the major, and the related skills to be successful in college and beyond, including University resources, curricular and co-curricular requirements, and opportunities related to the Biology major. Preparation for research and advanced coursework will be emphasized, and students will be introduced to career resources. Transition to studying and integrating into the Monmouth University Department of Biology will be complemented by the assistance of a peer learning assistant for the course. Attendance at a limited number of campus events will be required. This course will be offered as "pass/fail". Limited to students with 30 or fewer credits.

BY-201 Introduction to Biotechnology **Credits: 3**
Prerequisite(s): BY-110 passed with a grade of C- or higher
Term Offered: All Terms
Course Type(s): MC
Introduction to recent advances in biotechnology: the use of living organisms to create products, applications or processes that improve the quality of life for humans and other species. Presents historical and modern applications of biotechnology that impact our everyday lives. An overview of current developments and applications of microbial, agricultural, animal, marine and forensic biotechnology, bioremediation, and medical biotechnology will be presented. Regulatory agencies and policies that govern the biotechnology industry will be discussed, and students will also learn to formulate opinions about ethical, legal and social issues associated with biotechnology.

BY-205 Zoology **Credits: 3**
Prerequisite(s): BY-109 passed with a grade of C- or higher
Term Offered: All Terms
Course Type(s): None
This course provides an introductory survey of vertebrate and invertebrate zoology. Topics covered include taxonomy and classification, anatomy and physiology, behavior and ecology, and evolutionary relationships of the major phyla of the animal kingdom with a specific focus on local marine species. The laboratory component of the course focuses on the diversity of the animal kingdom from a structural, functional and ecological perspective. Labs will include exercises that will include examination of live organisms, dissections and examinations of preserved specimens, and field trips.

BY-206 Introduction to Oceanography **Credits: 3**
Term Offered: All Terms
Course Type(s): MEBP
Our lives are linked to the oceans, and through this class you will gain a better understanding of our natural world by learning the key aspects and natural processes of our planet's oceans. Topics covered include ocean origins, chemistry, physics, atmospheric interactions, biological oceanography and environmental issues including climate change impacts. Course will include field trips.

BY-209 Environment and Human Health **Credits: 3**
Prerequisite(s): BY-109 and BY-110, both passed with a grade of C- or higher
Term Offered: Fall Term
Course Type(s): MC, MEBP
Human activities are adversely affecting ecosystems throughout the world. Some of these changes may be deleterious to human health. The purpose of this course is to provide students with an understanding of the relationship between the environment and human health. Specific topics that will be covered are the importance of biodiversity to human health, the relationships between global warming and vector-borne diseases, microbial evolution and resistance of pathogenic organisms, persistent pollutants and toxicity, and the effect of environmental disasters on human health. A focus of this course will be to integrate several areas of biology including microbiology, toxicology, and environmental science.

BY-210 Forensic Genetics and DNA Analysis **Credits: 3**
Prerequisite(s): BY-110 and CJ-211
Term Offered: Spring Term
Course Type(s): None
Focus on fundamental principles of DNA and genetic analysis and their applications in forensics. Designed for criminal justice majors who have had an introduction to Mendelian and molecular genetics and to DNA structure, but who need more background in the underlying biology of forensic DNA analysis and interpretation. Sources of DNA will be presented along with methods for DNA extraction, amplification of DNA by polymerase chain reaction, analysis of restriction fragment length polymorphisms and short tandem repeats. Open only to Criminal Justice majors.

BY-211 Physiology with Anatomy I **Credits: 4**
Prerequisite(s): BY-110, CE-111, and CE-112 all passed with a grade of C- or higher
Term Offered: All Terms
Course Type(s): MC
Lecture and laboratory course Study of Human Systems: Their structure, function and integration. Laboratory covers gross human anatomy and physiology. Three hours of lecture and two hours of laboratory per week. Open only to Biology, Chemistry, Medical Lab Science, Clinical Lab Science, Health, and Psychology majors. Students who have taken BY-211 are not eligible to take BY-111.

BY-212 Physiology with Anatomy II **Credits: 4**
Prerequisite(s): BY-110, BY-211, CE-111, and CE-112 all passed with a grade of C- or higher
Course Type(s): MC
Lecture and laboratory course Study of Human Systems: Their structure, function and integration. Laboratory covers gross human anatomy and physiology. Three hours of lecture and two hours of laboratory per week. Open only to Biology, Chemistry, Medical Lab Science, Clinical Lab Science, Health, and Psychology majors. Students who have taken BY-212 are not eligible to take BY-112.

BY-214 Botany **Credits: 3**
Prerequisite(s): BY-109 passed with a grade of C- or higher
Course Type(s): None
Characteristics of the major plant groups, principles of plant taxonomy, considerations of evolutionary and ecological relationships. Two hours of class, two hours of laboratory per week.

BY-216 Introduction to Genetics **Credits: 4**
Prerequisite(s): BY-110 passed with a grade of C- or higher
Term Offered: All Terms
Course Type(s): TL
Focuses on one of the core concepts of biology; the flow, exchange, and storage of hereditary information. Topics will include principles of classical and molecular genetics, including transmission, arrangement, and alteration of genetic information; structure, function, and regulation of the genetic material; biological variation resulting from recombination, mutation, and population genetics; applications to human heredity. Two 80-minute lectures and one 3-hour lab per week.

BY-220 Environmental Biology and Policy **Credits: 3**
Prerequisite(s): BY-109
Term Offered: Fall Term
Course Type(s): ME, SUS
Focuses on human use of natural resources and the environment and the problems and impacts that result from those uses. By taking an interdisciplinary perspective, students will gain an understanding of the scientific, political and socioeconomic factors that underlie resolution of these problems.

BY-221 Introduction to Global Sustainability **Credits: 3**
Term Offered: Fall Term
Course Type(s): MEBP, SUS
Introduces students to the global, environmental, economic and social foundations of sustainability and the policy and scientific challenges involved with accommodating population growth, development, and resources used while assuring that future generations will have the natural and economic resources to support an enhanced quality of life. An emphasis will be placed on understanding of sustainability principles from multiple perspectives and cross-disciplinary application of sustainable practices. Also listed as PS-223.

BY-223 General Microbiology **Credits: 4**
Prerequisite(s): BY-110 passed with a grade of C- or higher
Term Offered: All Terms
Course Type(s): MC, MEBP
Morphology, taxonomy, physiology, genetics, and control of microorganisms; history of microbiology. Three hours of class, three hours of laboratory per week.

BY-250 Research in Molecular Cell Physiology **Credits: 1-3**
Prerequisite(s): BY-110 passed with a grade of C- or higher
Term Offered: All Terms
Course Type(s): EX5, MC
Faculty-student collaborative research lab course designed to introduce students to the research process. Students will work in small groups under faculty supervision to conduct research on a project in molecular cell physiology determined by the directing faculty member. Students will be involved in the research process by developing hypotheses, planning and carrying out experiments using modern lab techniques, analyzing data, and evaluating resource information. Research may be extended in detail in BY-450. Limited to sophomore Biology majors.

BY-262 Primate Behavior, Evolution, and Ecology **Credits: 3**
Term Offered: Spring Term
Course Type(s): NS
The study of primatology, which examines the lifeways, biology, and behavior of our closest living relatives. Various topics will be explored including taxonomy and classification, diet, behavior, grouping patterns, locomotion, and land usage patterns of monkeys, apes and prosimians. These topics will be explored within the frameworks of natural selection, sexual selection, and evolution. Also listed as AN-262.

BY-264 Environmental Field Methods **Credits: 3**
Prerequisite(s): BY-109 passed with a grade of C- or higher.
Term Offered: Fall Term
Course Type(s): MEBP
Environmental Field Methods provides students with hands on experience in environmental and marine research by learning a suite of techniques and working under real field conditions. Students become familiar with the use and application of standard environmental and marine science instruments and sampling techniques and devices, as well as data handling, management and analysis techniques. One course meeting per week for three hours. This course will be taught as a fully integrated team-taught course, with two faculty who have environmental and marine research expertise.

BY-290 Open Water Scuba Certification Course **Credits: 2**
Term Offered: All Terms
Course Type(s): MEBP, OUTDR
The Open Water Scuba Certification course entails completion of the Professional Association of Diving Instructors (PADI) Open Water Diver course, the world's most popular scuba course. Completion of this course leads to PADI scuba certification as an open water diver. Limited to 8 students. Skills course: Outdoor Pursuits (Individual). This is a pass/fail course. Also listed as PE-290.

BY-298 Special Topics in Biology (200 Level) **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
An intensive study of a particular subject or problem in biology to be announced prior to registration. May be conducted in a lecture, seminar, or laboratory format. Please note: when Scuba is offered as BY-298 it does not carry a course type of MC. If a prerequisite is required it will be announced in the course schedule.

BY-299 Independent Study in Biology **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
Principles of independent study and research; critical review of published work on a designated topic in the biological sciences or original research; preparation of a research paper or review article in publishable format or oral presentation of research results. Laboratory or field work arranged as needed. Requires submission and approval of an "Application for Independent Study" (an e-form is available on WEBadvisor) with a faculty mentor. To take this course, students need prior permission of the directing professor and department chair and Sophomore or higher standing in Biology (Total of all independent study credits to be counted towards the degree may not exceed six, unless approved by the Dean).

BY-301 Vertebrate Histology **Credits: 3**
Prerequisite(s): BY-205 passed with a grade of C- or higher
Course Type(s): MC
Microscopic structure of vertebrate cells, tissues, and organs, emphasizing microscopic anatomy of the human body. Laboratory identification of vertebrate tissues. Two hours of class, three hours of laboratory per week.

BY-308 Unifying Concepts in Biology **Credits: 3**
Prerequisite(s): BY-113 and BY-114 or permission of the instructor
Course Type(s): None
Unifying Concepts in Biology is a capstone course for elementary education majors in the Interdisciplinary Studies for Elementary Educators (ISEE) program. This course integrates scientific methodology, life science, earth science, and environmental science concepts and is designed to prepare future educators for the K-8 science classroom. A strong emphasis is placed on exploring relationships between living organisms and the environment through the use of hands on lab activities, problem-based approaches, and inquiry learning. BY-308 does not count toward the biology major or minor requirements.

BY-310 Biochemistry and Lab **Credits: 4**
Prerequisite(s): BY-216 and CE-242 passed with a grade of C- or higher; and EN-101 and EN-102 or permission of the instructor
Course Type(s): MEBP, WT
A survey of the major principles of biochemistry with attention to the structures and functions of proteins, carbohydrates and fats; the major pathways for metabolism of proteins, carbohydrates and fats; and the biochemical basis of DNA replication and gene expression. Laboratory provides hands-on experience in selected biochemical techniques with an emphasis on protein characterization. Designed to provide practice and critique in effective writing and appropriate writing style and format.

BY-311 Herpetology **Credits: 4**
Prerequisite(s): BY-109 and BY-205
Term Offered: All Terms
Course Type(s): MEBP
This course is designed for undergraduate students in marine and environmental biology and policy as well as students in a biology program. This course will provide an overview of the structure, behavior, evolution and taxonomy of reptiles and amphibians. Additionally, this course will discuss critical concepts in management and conservation. The laboratory emphasis will be on identification, anatomy and ecology of New Jersey reptile and amphibian species, as well as methods and techniques for surveying, estimating population sizes and home ranges.
Prerequisites: BY-109 and BY-205

BY-314 Topics in Horticulture **Credits: 3**
Term Offered: Spring Term
Course Type(s): MC, ME, MEBP
Principles and practices of plant culture; practical experience through greenhouse projects; the horticulture industry and career possibilities; field trips to places of horticultural interest. Two hours of class, three hours of laboratory per week. Field trips arranged.

BY-317 Tropical Island Ecology **Credits: 3**
Prerequisite(s): BY-109 passed with a grade of C- or higher.
Term Offered: Spring Term
Course Type(s): EX5, FLT, ME, MEBP, NS
A field course focusing on investigations of plants, animals, and natural ecosystems of the Bahamas with emphasis on marine ecosystems, island ecology, resource management, and sustainable development.

BY-322 Ichthyology **Credits: 4**
Prerequisite(s): BY-109 and BY-205, passed with a C- or better
Term Offered: Fall Term
Course Type(s): MEBP
A survey of all-extant groups of fishes (e.g., bony fishes, cartilaginous fishes, and jawless fishes), including sections on evolution, taxonomy, form and function, biogeography, behavior, and ecology. Laboratory component will include required dissections. There will be several scheduled off campus field trips. Three hours of lecture and three hours of laboratory per week.

BY-324 Applied Microbiology **Credits: 4**
Prerequisite(s): BY-223 passed with a grade of C - or higher
Term Offered: Spring Term
Course Type(s): MC, ME, MEBP
Microorganisms of food, water, soil, dairy products, industrial processes, disease, and genetic engineering. Three hours of class, three hours of laboratory per week.

BY-327 Design and Analysis of Biological Experiments **Credits: 3**
Prerequisite(s): MA-151 or MA-220 or BE-251 passed with a grade of C or higher or permission of the instructors.
Term Offered: Spring Term
Course Type(s): MEBP
The purpose of this course is to learn about the statistical design & analysis of biological experiments. After learning mathematical techniques of designing experiments, and statistical analyses customized to them, students will be presented with a broad research question by the instructors. Literature surveys will be a critical part of the course to allow students to find pertinent, relevant, potentially publishable biological questions that address a specific aspect of the larger question posed by the instructors. Students will design their own experiment addressing their question, generate their own data collection plan, collect their data, and then analyze their data using statistical techniques taught in class. This course will involve field/lab work for data collection and computer work in the statistical analysis of the final data. Students will defend their question, design and analysis from both a statistical and biological perspective. At the end of the semester students will complete a formal manuscript in journal format. This course can be used to fulfill the Mathematics or Statistics minor and the Bio/MEBP elective. This course is a research based course and students must have demonstrated a strong interest in and potential for research. Also listed as MA-327.

BY-341 Marine Biology **Credits: 4**
Prerequisite(s): BY-205 and BY-214, both passed with a grade of C- or higher
Term Offered: Fall Term
Course Type(s): None
Biota of the oceans and inshore waters with an emphasis on ecology, functional morphology, and marine and estuarine habitats. Basic oceanography is also included. Marine biology is a laboratory course supported by lectures and field projects. Field trips outside of class time may be required.

BY-342 Coastal Zone Management **Credits: 3**
Prerequisite(s): BY-220 passed with a grade of C- or higher, and EN-101 and EN-102
Term Offered: Spring Term
Course Type(s): ME, WT
Focus on the impact of increased demand on the coastal environment based on the theme that management of an environment for multiple purposes requires an understanding of the effects of use and exploitation throughout that environmental system and how decisions can be made in an effective, equitable manner.

BY-360 The Business of Biotechnology: From the Bench to the Market Credits: 3
Prerequisite(s): Limited to junior or senior biology majors or other students with approval by the course faculty. BY-110 or BY-201 completed with a grade of C- or higher. For Business majors: BY-102, BY-110, or BY-201, completed with a grade of C- or higher
Term Offered: Fall Term
Course Type(s): MC
Tomorrow's biotechnology leaders require a breadth of cross-functional knowledge to face the scientific, regulatory, and financial challenges for developing biotech companies in the 21st century. This course will provide students with a strategic overview of the business of biotechnology, exploring the integration of science, technology, the regulatory framework, financial requirements, and market forces that drive the industry. The course will introduce students to basic aspects of molecular biology related to product development in the biopharmaceutical industry, and the regulatory and financial requirements for drug development, placing emphasis on real-world application and the challenges of bringing new biotechnology drugs to market for the treatment of human disease. Limited to junior or senior biology majors or other students with approval by the course faculty. BY-110 or BY-201 completed with a minimum grade of C- or higher is required. For Business majors BY-102, BY-110, or BY-201, completed with a minimum grade of C- or higher are required.

BY-370 Cell Biology Credits: 3
Prerequisite(s): BY-310
Course Type(s): None
In-depth study of biology at the cellular and subcellular levels. Integrates principles of biochemistry into an understanding of cell structure and physiology. Prerequisite: BY-310

BY-375L Laboratory in Molecular and Cellular Biology Credits: 3
Prerequisite(s): BY-310, and EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): MEBP, RD, WT
Designed to introduce biology majors to basic laboratory techniques used in molecular and cellular biology. Students will develop proficiency in modern techniques in molecular and cellular biology including micro pipetting, bacterial culturing and sterile technique, solution preparation, DNA extraction, restriction digestion of DNA, DNA sub cloning, gel electrophoresis of nucleic acids and proteins, nucleic acid blotting and analysis with molecular probes, DNA sequencing, polymerase chain reaction (PCR), immunological techniques for analysis of proteins, mammalian cell culture and transfection, and DNA sequence analysis on the Internet. The use of traditional and Internet information resources for molecular and cellular biology will also be emphasized. The presentation of data in both oral and written form will be emphasized. Partially fulfills the reasoned oral discourse requirement for biology and biology/molecular cell physiology.

BY-388 Cooperative Education: Biological Sciences Credits: 1-4
Prerequisite(s): 6 credits in Biology, overall G.P.A. of 2.00 and Junior standing or higher
Term Offered: All Terms
Course Type(s): EX2
Provides an opportunity for students to fulfill the Experiential Education requirement by pursuing a short-term cooperative work experience in biology or for students who, are currently employed in a biological or medical field, to integrate the work with a related academic component. May be repeated for credit. This is a pass/fail course. Departmental approval is required to take this course.

BY-389 Internship in Biological Science Credits: 1-3
Prerequisite(s): Overall GPA of 2.00; Junior status, at least six credits of biology courses and departmental approval
Term Offered: All Terms
Course Type(s): EX1
Complements the practical experience gained by students at internship sites, such as hospitals, clinics, private practices, research laboratories, environmental agencies, museums, botanical gardens, and zoos with a significant set of academic goals. May be repeated once for credit. This is a pass/fail course.

BY-395 Seminar in Marine and Environmental Biology Credits: 3
Term Offered: Spring Term
Course Type(s): RD
A seminar-style course for juniors in the Marine and Environmental Biology and Policy (MEBP) major.

BY-398 Special Topics in Biology (300 Level) Credits: 1-3
Prerequisite(s): BY-110
Term Offered: All Terms
Course Type(s): None
An intensive study of a particular subject or problem in biology to be announced prior to registration. May be conducted in a lecture, seminar, or laboratory format. If a prerequisite is required it will be announced in the course schedule.

BY-399 Independent Study in Biology Credits: 1-3
Term Offered: All Terms
Course Type(s): None
Principles of independent study and research; critical review of published work on a designated topic in the biological sciences or original research; preparation of a research paper or review article in publishable format or oral presentation of research results. Laboratory or field work arranged as needed. Requires submission and approval of an "Application for Independent Study" an e-form is available on WEBadvisor) with a faculty member. Students must have prior permission of the directing professor and department chair; and Junior standing in Biology to take this class. (Total of all independent study credits to be counted towards the degree may not exceed six, unless approved by the Dean.)

BY-404 Animal Behavior Credits: 3
Prerequisite(s): PY-103 or BY-103 or above, passed with a grade of C- or higher
Course Type(s): None
Why and how animals (vertebrates and invertebrates) do the things they do. Emphasizes rules governing the evolution of behavior rather than mere description of how animals behave. Focus includes behavioral ecology, habitat selection, feeding strategies, predator-prey tactics, mating systems and strategies, social behavior (conflict and cooperation) and population dynamics. The course begins with an historical overview and ends with the evolution of human behavior. Also listed as PY-404.

BY-404L Animal Behavior Laboratory Credits: 1
Prerequisite(s): PY-311 and PY-320 passed with a grade of C or higher
Co-requisite(s): BY-404 or PY-404
Term Offered: Spring Term
Course Type(s): None
Methods in the study of animal behavior. Projects on instinctive behavior, early experience, learning, dominance relationships, territoriality, behavioral ecology, and sociobiology. One all-day field trip and an independent project will be required.

BY-406 Introduction to Neurosciences **Credits: 3**
Prerequisite(s): BY-216 passed with a grade of C- or higher
Term Offered: Spring Term
Course Type(s): MC, ME
The organization of the nervous system in terms of its anatomy, physiology, neurochemical correlates, and evolution; behavioral processes such as attention, sleep, motivation, instinct, learning, and languages.

BY-406L Neurosciences Laboratory **Credits: 1**
Co-requisite(s): BY-406
Course Type(s): MC
Human and animal neuroanatomy; surgical techniques, including lesion, stimulation, and perfusion; histology; drug and hormone administration; physiological recording techniques. Three hours per week.

BY-410 Molecular Biology **Credits: 3**
Prerequisite(s): BY-216 or BY-310 or CE-331 passed with a grade of C- or higher
Term Offered: All Terms
Course Type(s): None
Provides a detailed examination of the central dogma of molecular biology - DNA replication, transcription, reverse transcription, and translation - in viruses, prokaryotes, and eukaryotes. Standard techniques of biotechnology used to study molecular biology will be emphasized. Additional topics, including eukaryotic chromosome structure and regulation of gene expression, will also be discussed.

BY-412 Vertebrate Physiology and Laboratory **Credits: 3**
Term Offered: Spring Term
Course Type(s): MC
Comparative vertebrate physiology, with emphasis on osmotic regulation, nutrition, circulation, respiration, and muscle physiology. One hour of class, four hours of laboratory per week.

BY-420 Applied Field Biology **Credits: 1-3**
Prerequisite(s): MA-151, BY-205, BY-214, and BY-220 or permission of the instructor.
Term Offered: Spring Term
Course Type(s): EX1, MEBP
Applied Field Biology is a research-based applied ecology course that combines lectures, hands-on field and laboratory activities, and focused data collection and analysis to allow participating students to understand techniques used by scientists and environmental managers in order to provide information necessary to perform key functions associated with natural resource and ecosystem conservation and management. The course is designed to allow students in the Marine and Environmental Biology and Policy Program (MEBP) to fulfill their Experiential Education requirement. This course is repeatable twice for credit.

BY-424 Evolution **Credits: 3**
Prerequisite(s): BY-109 and BY-216, both passed with a grade of C- or higher
Term Offered: All Terms
Course Type(s): MC, ME, MEBP
Synthetic theory of evolution, including sources of genetic variability, Hardy-Weinberg, natural selection, genetic drift, balanced polymorphism, molecular evolution, speciation and the origin of life. Three hours of class per week.

BY-425 Principles of Developmental Biology **Credits: 4**
Prerequisite(s): BY-216 passed with a grade of C- or higher
Term Offered: All Terms
Course Type(s): MC
The study of major morphological changes during development and the analysis of causative factors. Model organisms used in the study of development include: sea urchin, nematode worm, Drosophila, frog, and mouse. Topics include: fertilization, growth, differentiation, morphogenesis, regeneration, and tissue interactions. The genetic control of development will be emphasized.

BY-427 Cancer Biology **Credits: 3**
Co-requisite(s): BY-370 or BY-410
Term Offered: Spring Term
Course Type(s): MC
Course will provide students with a foundation in the molecular biology of cancer. Topics include the genetic and molecular changes that lead to transformation, oncogenes, tumor suppressors, viruses, angiogenesis, metastasis, tumor immunology, and clinical trials and treatments. Primary literature and review articles, as well as field work, will be used to understand advances in cancer biology and treatment.

BY-430 Neuroscience Beyond Neurons **Credits: 3**
Prerequisite(s): BY-216
Term Offered: Spring Term
Course Type(s): MC
A seminar-style class with focus on the different cell types that make up the brain and how they interact and signal with one another. Topics include how glial-neuronal interactions impact brain development, brain metabolism, and numerous pathological conditions. Objectives will be met through lectures and class discussions, readings from primary literature, journals clubs and class debate.

BY-431 Immunology **Credits: 3**
Prerequisite(s): BY-110 passed with a grade of C- or higher
Term Offered: All Terms
Course Type(s): MC
Components of the immune system; biological individuality and the recognition of "foreignness"; structure of antibodies; cellular immunity and graft rejection; blood group antigens; the immune system and cancer development; immunogenetics; clinical and experimental applications. Two hours of class, two hours of laboratory per week.

BY-440 Ecology **Credits: 4**
Prerequisite(s): BY-205 or BY-214, and MA-151 all passed with a grade of C- or higher, and EN-101 and EN-102 and Senior standing.
Term Offered: Fall Term
Course Type(s): WT
Lecture and laboratory course examining the concepts of ecology and evolutionary biology, the interaction of organisms and their environment, population ecology, community ecology, and ecosystems dynamics. 3 hours of lecture and 3 hours of lab/field work per week. Prerequisites: BY-205 or BY-214, and BY-220 all passed with a grade of C- or higher, and EN-101 and EN-102 and Senior standing

BY-442 Natural Resource Conservation and Management **Credits: 3**
Prerequisite(s): BY-220 passed with a grade of C- or higher, and EN-101 and EN-102
Term Offered: Spring Term
Course Type(s): SUS, WT
The principles of ecology and resource management are used to analyze contemporary environmental problems and highlight legislative, technological, and methodological solutions to environmental problems that move us toward a sustainable society.

BY-450 Research in Molecular Cell Physiology **Credits: 1-3**
Prerequisite(s): BY-310 passed with a grade of C- or higher
Term Offered: All Terms
Course Type(s): EX5, MC
A faculty-student collaborative research lab course. Students will work in small groups under faculty supervision to conduct comprehensive research on a project in molecular cell physiology determined by the directing faculty member. Students will experience all aspects of the research process, from developing hypotheses, planning and carrying out experiments using modern lab techniques, and analyzing data, to preparing research results for publication. May be taken to extend research initiated in BY-250. May be repeated for a maximum of six credits. Limited to Junior or Senior biology majors.

BY-475 Endocrinology **Credits: 3**
Prerequisite(s): BY-310 or twelve credits in Biology
Term Offered: Spring Term
Course Type(s): MC, ME
Introduction to biochemical, molecular, and physiological aspects of the vertebrate endocrine system and mechanisms by which hormones maintain homeostasis in animals, including humans. Topics to be studied include: molecular structures: biochemical properties and interactions of different categories of hormones and their receptors; major endocrine systems that regulate reproduction, growth, development, and metabolism; neuroendocrinology; and pathophysiology of the endocrine system. Hormones and organs that influence processes such as calcium homeostasis, digestion, salt balance, carbohydrate metabolism, and sex differentiation and development will be examined. Endocrine regulation of male and female reproductive organs and reproduction will also be discussed, including the hormonal control of fertilization, implantation, placental function, pregnancy, parturition, lactation, and contraception.

BY-489 Internship in Biological Science **Credits: 3**
Prerequisite(s): 6 credits in Biology, Junior standing and a minimum G.P.A. of 2.00
Term Offered: All Terms
Course Type(s): EX1
Complements the practical experience gained by students at internship sites, such as hospitals, clinics, private practices, research laboratories, environmental agencies, museums, botanical gardens, and zoos with a significant set of academic goals. May be repeated once for credit. Departmental approval is required to take this course. This is a pass/fail course.

BY-495 Senior Seminar **Credits: 1**
Prerequisite(s): completion of 90 credits; for Biology majors only
Term Offered: All Terms
Course Type(s): RD
A seminar course with presentations by guest scientists as well as students. Gauges students' abilities to draw upon a broad background of coursework and experience to organize, present, discuss, and evaluate topics of current interest in biology.

BY-499 Independent Study in Biology **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
Principles of independent study and research; critical review of published work on a designated topic in the biological sciences or original research; preparation of a research paper or review article in publishable format or oral presentation of research results. Laboratory or field work arranged as needed. Requires submission and approval of an "Application for Independent Study" (an e-form is available on WEBadvisor) with a faculty member. Students are required to have prior permission of the directing professor and department chair and Senior standing in Biology to take this course. (Total of all independent study credits to be counted towards the degree may not exceed six, unless approved by the Dean.)

BY-499E Independent Study in Biology **Credits: 1-3**
Prerequisite(s): BY-216 and 2 credits of prior research experience (BY-299, BY-399, or BY-499).
Term Offered: All Terms
Course Type(s): EX5, MC, MEBP
Principles of independent study and research; critical review of published work on a designated topic in the biological sciences or original research; preparation of a research paper or review article in publishable format or oral presentation of research results. Laboratory or field work arranged as needed. Requires submission and approval of an "Application for Independent Study" (an e-form is available on WEBadvisor) with a faculty member. Students are required to have prior permission of the directing professor and department chair and Senior standing in Biology to take this course. (Total of all independent study credits to be counted towards the degree may not exceed six, unless approved by the Dean.)

BY-499T Independent Study in Biology with Thesis **Credits: 1**
Term Offered: All Terms
Course Type(s): None
Preparation and submission of a thesis in science journal format. The thesis will contain results from the completion of independent study and research and will include appropriate description of the background and methods for the project and discussion of the results and its significance. It is designed specifically for students desiring Biology departmental honors. Students are required to have permission of the course advisor and Senior standing in Biology, Biology with a concentration in Cell and Molecular Physiology, or Marine and Environmental Biology and Policy in order to take this course.

Business Accounting (BA)

BA-200 Survey of Accounting **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
An introductory class in accounting designed for non- business students, which focuses on accounting as a tool for communicating financial information about business organizations to people outside the business and to internal users to help them plan, control, or make decisions about operations. Not open to Business majors and only can be used toward the Business minors.

BA-251 Accounting I **Credits: 3**
Term Offered: All Terms
Course Type(s): None
This course is designed to provide students with both financial (external) accounting and managerial (internal) accounting theories and practices. The financial accounting topics include the principles and applications of current accounting theory and the accumulation and presentation of financial information through the four basic financial statements. Key coverage will be given to accounting issues related to particular accounts and to analytical procedures. The managerial accounting topics include the managerial accounting profession, building blocks of managerial accounting, job costing and activity-based costing as well as cost behavior analysis.

BA-252 Accounting II **Credits: 3**
Prerequisite(s): BA-251
Term Offered: All Terms
Course Type(s): None
This course is designed to further examine financial accounting and managerial accounting theories and practices. The financial accounting topics include accrual accounting, journal entries related to merchandising firms, receivables, liabilities, and equity. The managerial accounting topics include cost-volume-profit analysis, making short-term business decisions, budgeting, and performance evaluation.

BA-261 Data Analytics for Accounting **Credits: 3**
Prerequisite(s): IT-150 or CS-104, MA-117, and BA-251
Co-requisite(s): BE-251
Term Offered: Spring Term
Course Type(s): None
Computerization and the availability of data is changing the role of the accountant as information provider. We talk about how the accounting profession will change to complement the power of computerization and the plethora of data available. We use the AMPS (Ask, Master, Perform, Share) model to understand the data analytics process and how it is used to analyze all of the available information to address accounting questions. We emphasize the four types of analysis (descriptive, diagnostic, predictive and prescriptive) and how they are used to address accounting questions.

BA-311 Intermediate Accounting I **Credits: 3**
Prerequisite(s): BA-251, BA-252, and BA-261 passed with a grade of C or higher
Term Offered: All Terms
Course Type(s): None
Financial accounting measurement, including asset valuation and determination of periodic income.

BA-312 Intermediate Accounting II **Credits: 3**
Prerequisite(s): BA-311 passed with a grade of C or higher
Term Offered: All Terms
Course Type(s): None
Liability recognition and corporation equity measurement.

BA-316 Individual Income Tax **Credits: 3**
Prerequisite(s): BA-251 and BA-261 passed with a grade of C or higher
Term Offered: All Terms
Course Type(s): None
This is the first of two semesters of a study of Federal Income Taxation. It covers taxation of individuals and small businesses. Emphasis will be on tax research and planning for individuals. The purpose is to introduce undergraduate accounting students to a broad range on income tax topics. Because of the complexity and breadth of coverage, many topics will not be covered in great depth.

BA-320 Managerial Cost Analysis **Credits: 3**
Prerequisite(s): BA-252 and BA-261 passed with a grade of C or higher
Term Offered: All Terms
Course Type(s): None
Offers the student a fairly detailed knowledge of cost accounting principles and practices. A working knowledge of cost accounting is an essential element of the accounting student's education due to the importance of cost accounting in every organizational setting. Also, the information presented in the course is essential for successful completion of professional examinations such as the CPA and the CMA.

BA-345 Forensic and Investigative Accounting **Credits: 3**
Prerequisite(s): BA-251 and BA-252, both passed with a grade of C or higher
Term Offered: All Terms
Course Type(s): None
Identifying, recording, settling, extracting, sorting, reporting and verifying past financial data or other accounting activities for settling current or prospective legal disputes or using such past financial data for projecting future financial data to settle legal disputes.

BA-370 Accounting Information Systems **Credits: 3**
Prerequisite(s): BA-311 passed with a grade of C or higher
Term Offered: All Terms
Course Type(s): None
Accounting systems analysis and design. Emphasis on database information structures, integrating accounting, and controls.

BA-388 Cooperative Education: Accounting Concentration **Credits: 3**
Prerequisite(s): BA-252, BM-250, a minimum G.P.A. of 2.00, sixty or more earned credits, eighteen or more credits of Business Administration courses, and twelve or more credits of Accounting courses taken at Monmouth University
Term Offered: All Terms
Course Type(s): None
An opportunity to apply classroom theory in practice through actual work experience; includes both academic and experiential education. Experiential education involves fifteen to twenty hours of work per week for three credit hours. Academic aspects include reading assignments and a term paper. Departmental approval is required to take this course. This course may be repeated for credit.

BA-401 Advanced Accounting **Credits: 3**
Prerequisite(s): BA-312 passed with a grade of C or higher
Term Offered: All Terms
Course Type(s): None
Advanced issues in financial accounting, including business combinations, consolidated financial reports, governmental and not-for-profit accounting, and other relevant areas.

BA-413 Auditing Theory **Credits: 3**
Prerequisite(s): BA-312 passed with a grade of C or higher and BA-370
Term Offered: All Terms
Course Type(s): None
Auditing standards and procedures associated with the examination of financial statements; the role and methods of the independent auditor; legal and ethical responsibilities.

BA-417 Business Income Taxation **Credits: 3**
Prerequisite(s): BA-261 passed with a grade of C or higher
Term Offered: All Terms
Course Type(s): None
The second of two income tax courses, which covers the taxation of corporations, partnerships, estates and trusts. Tax and estate planning are emphasized with the study of various techniques, case studies and research projects. Retirement plans and international taxes are also included.

BA-425 International Accounting **Credits: 3**
Prerequisite(s): BA-311 passed with a grade of C or higher; and EN-101 and EN-102
Term Offered: All Terms
Course Type(s): WT
Basic concepts of accounting principles, auditing environments, managerial objectives, and financial reporting requirements, applicable to multi-national corporations. Emphasis on corporations with headquarters domiciled in the United States, with limited attention to specialized offshore locations.

BA-488 Cooperative Education: Accounting Concentration **Credits: 3**
Prerequisite(s): BA-252, BM-250 and a minimum G.P.A. of 2.00, sixty or more earned credits, eighteen or more credits in Business Administration courses; twelve or more credits in Accounting courses taken at Monmouth University
Term Offered: All Terms
Course Type(s): None
An opportunity to apply classroom theory in practice through actual work experience; includes both academic and experiential education. Experiential education involves fifteen to twenty hours of work per week for three credit hours. Academic aspects include reading assignments and a term paper. This course may be repeated for credit. Departmental approval is required to take this course.

BA-489 Internship in Accounting **Credits: 3**
Course Type(s): None
An opportunity to apply classroom theory in practice through actual work experience; includes both academic and experiential learning. Experiential part involves fifteen to twenty hours of work experience per week for three credit hours; academic aspect includes reading assignments and a term paper. Students are limited to nine credits of internship electives. This course is repeatable twice for credit. Departmental approval is required to take this course. Students must have Junior standing and a minimum G.P.A. of 2.00 in order to register for this course.

BA-498 Special Topics in Accounting **Credits: 1-3**
Term Offered: Spring Term
Course Type(s): None
An intensive study of a particular subject or problem in accounting to be announced prior to registration. The course may be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

BA-499 Independent Study in Accounting **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Independent study on a Business Administration topic not substantially treated in a regular course; work will include scheduled conferences with sponsoring professor and written reports. Prior permission of the directing professor and department chair is required to take this course.

Business Economics (BE)

BE-200 Economics for Social Science **Credits: 3**
Prerequisite(s): 3 credits from Math except MA-050 or MA-100
Term Offered: All Terms
Course Type(s): None
Students are introduced to core economic concepts in four areas: (i) Introductory concepts include: decision-making under scarcity, the operation of markets and the price mechanism, and government's role in the economy. (ii) Microeconomics covers the economic analysis of consumption, production in the context of competitive and monopolistic markets, operation of labor markets, and poverty and income distribution. (iii) Macroeconomics introduces students to national product and income accounts; business cycles, inflation and unemployment; and monetary and fiscal policies. (iv) Global topics include: comparative advantage, trade and finance. Real-world applications are emphasized in all areas. For Non-Business majors.

BE-201 Microeconomics **Credits: 3**
Prerequisite(s): MA-100 or higher level mathematics course
Term Offered: All Terms
Course Type(s): SS.SV
Introduction to the operation of the price mechanism; examination of the individual economic units, laws of supply and demand, market structure, and cost analysis; contemporary problems examined.

BE-202 Macroeconomics **Credits: 3**
Prerequisite(s): MA-100 or higher level mathematics course
Term Offered: All Terms
Course Type(s): SS.SV
Determination of the components and level of national income; applications to the problems of inflation, unemployment, and economic stabilization; financial institutions in relation to their role in public policies.

BE-251 Business Statistics **Credits: 3**
Prerequisite(s): IT-100 or IT-150 and MA-117
Term Offered: All Terms
Course Type(s): None
Descriptive statistics, tables and charts, probability distributions, confidence intervals and hypothesis tests, linear and multiple regression, and analysis of variance.

BE-289 Internship in Economics **Credits: 3**
Course Type(s): EX1
An opportunity to apply classroom theory in practice through actual work experience; includes both academic and experiential learning. Experiential part involves fifteen to twenty hours of work experience per week for three credit hours; academic aspect includes reading assignments and a term paper. Students are limited to nine credits of internship electives. This course is repeatable twice for credit. The student must have a minimum G.P.A. of 2.00 and have at least Junior standing to take this course. Departmental approval is required to take this course.

BE-301 Labor Economics **Credits: 3**
Prerequisite(s): BE-201 and BE-202
Term Offered: Spring Term
Course Type(s): GS
Economic and social effects of the modern industrial structure: labor groups, attitudes, problems, tactics, labor legislation, the development of industrial society of American Unionism, and the labor movement throughout the world.

BE-304 Money, Credit, and Financial Institutions **Credits: 3**
Prerequisite(s): BE-202
Term Offered: All Terms
Course Type(s): None
Monetary economics and its institutions; the nature and function of money; commercial and central banking; the money markets; financial intermediaries; and international monetary institutions. Also listed as BF-304.

BE-305 Intermediate Macroeconomics **Credits: 3**
Prerequisite(s): BE-202
Term Offered: Spring Term
Course Type(s): None
A study of the measurement of aggregate output and the determination of the level of aggregate income; price level movements and factors underlying rates of economic growth; influence of applicable public policies.

BE-307 Managerial Economics **Credits: 3**
Prerequisite(s): MA-118 or MA-125 and BE-201
Term Offered: All Terms
Course Type(s): None
Application of contemporary economic theory to managerial decisions and to public policy affecting such decisions.

BE-356 Mergers and Acquisitions **Credits: 3**
Prerequisite(s): BF-301 Passed with a minimum grade of C
Term Offered: All Terms
Course Type(s): None
Mergers and acquisitions represent a major force in today's economy. M&A transactions take place in all industries and at all levels of the business life cycle-from acquisitions of startups to the merger of mature firms. This course provides students with a general understanding of the main M&A issues, including strategy, valuation methods, synergies, liquidity and control, and the steps in the M&A project -from the acquisition search until the post-merger integration. The course also includes special topics that vary per semester, such as hostile take-overs, LBOs (Leveraged Buyouts) and SPACs (Special Purpose Acquisition Companies). Also listed as BF-356.

BE-388 Cooperative Education: Economics Concentration **Credits: 3**
Prerequisite(s): BF-301 or Junionr standing, a minimum G.P.A. of 2.00, and completion of thirty credits, fifteen of which are earned at Monmouth University
Term Offered: Spring Term
Course Type(s): None
An opportunity to apply classroom theory in practice through actual work experience; includes both academic and experiential education. Experiential education involves fifteen to twenty hours of work per week for three credit hours. Academic aspects include reading assignments and a term paper. This course may be repeated for credit. Departmental approval is required to take this course.

BE-398 Special Topics in Economics (300 Level) **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
An intensive study or a particular subject or problem in economics, to be announced prior to registration. The course may be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

BE-401 Development of Economic Thought **Credits: 3**
Prerequisite(s): BE-201 and BE-202
Course Type(s): None
Economic ideas from the beginning of Western civilization to the present, including mercantilist writers Adam Smith, Malthus, Ricardo, Marx, and Keynes.

BE-403 Economic Growth and Development **Credits: 3**
Prerequisite(s): BE-201, BE-202, EN-101 and EN-102, or permission of the instructor
Term Offered: All Terms
Course Type(s): WT
The principal theories, factors, and problems of economic development. Empirical case studies emphasize the growth patterns in several countries, the impediments to economic growth in the underdeveloped countries, and the need to sustain growth rates in highly developed countries.

BE-440 Bond Markets **Credits: 3**
Prerequisite(s): BE-251 and BF-301
Term Offered: Spring Term
Course Type(s): None
A comprehensive review and analysis of the U.S. Bond Markets with emphasis on traditional fixed income securities and their derivative products and applications. The course will explore these studies from both a theoretical as well as practical perspective. Also listed as BF-440.

BE-451 Public Finance **Credits: 3**
Prerequisite(s): BE-202 and BA-252
Term Offered: Spring Term
Course Type(s): None
An analysis of the revenue, expenditure, and debt activities of government and their effects on resource allocation, income distribution, price stabilization, and economic growth. Also listed as BF-451.

BE-455 Financial Econometrics **Credits: 3**
Prerequisite(s): BE-201, BE-202, BE-251, and BF-301; MA-118 or MA-125 with a minimum grade of C.
Term Offered: All Terms
Course Type(s): None
Provides an advanced undergraduate level introduction to the methodology and tools of econometrics required by economics and finance professionals. Topics include: linear regression, time series modeling, capital asset pricing models, and volatility and correlation modeling. R and R Studio/Posit are used extensively in class. Instructor assumes students have no previous knowledge of R. Also listed as BF-455.

BE-480 Business Research: Economics **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Active participation in a research project chosen by and currently being pursued by the faculty sponsor. Student activities may include but are not limited to: literature search, data collection, data analysis, preparation of a manuscript, and delivery of a manuscript.

BE-488 Cooperative Education: Economics Concentration Credits: 3
Prerequisite(s): BF-301 or junior standing, a minimum G.P.A. of 2.00, and completion of thirty credits, fifteen of which are earned at Monmouth University
Course Type(s): None
An opportunity to apply classroom theory in practice through actual experience; includes both academic and experiential education. Experiential education involves fifteen to twenty hours of work per week for three credit hours. Academic aspects include reading assignments and a term paper. This course may be repeated for credit. Departmental approval is required to take this course. Junior standing or BF-301; a minimum G.P.A. of 2.00, and completion of thirty credits, fifteen of which are earned at Monmouth University are required to take this course.

BE-489 Internship in Economics Credits: 3
Term Offered: Spring Term
Course Type(s): EX1
An opportunity to apply classroom theory in practice through actual work experience; includes both academic and experiential learning. Experiential part involves fifteen to twenty hours of work experience per week for three credit hours; academic aspect includes reading assignments and a term paper. Students are limited to nine credits of internship electives. Departmental approval is required to take this course. This course is repeatable twice for credit. Junior standing and a minimum G.P.A. of 2.00 is required to take this course.

BE-498 Special Topics in Economics (400 Level) Credits: 1-3
Prerequisite(s): BE-251 and BF-301 both passed with a grade of B or higher
Term Offered: All Terms
Course Type(s): None
An intensive study of a particular subject or problem in economics to be announced prior to registration, conducted on either a lecture-discussion or a seminar basis.

BE-499 Independent Study in Economics Credits: 3
Term Offered: All Terms
Course Type(s): None
Independent study on a Business Administration topic not substantially treated in a regular course; work will include scheduled conferences with sponsoring professor and written reports. Prior permission of the directing professor and department chair is required to take this course.

Business Finance (BF)

BF-200 Survey of Finance Credits: 3
Prerequisite(s): Any math course with a level higher than 100
Course Type(s): None
Introduction to business and personal finance, including forms of businesses, financial statements and cash flows, time value of money, elements of risk and return and valuation of stocks and bonds. This course is for non-business majors.

BF-289 Internship in Finance Credits: 3
Course Type(s): None
An opportunity to apply classroom theory in practice through actual work experience; includes both academic and experiential learning. Experiential part involves fifteen to twenty hours of work experience per week for three credit hours; academic aspect includes reading assignments and a term paper. Students are limited to nine credits of internship electives. This course is repeatable twice for credit. The student must have a minimum G.P.A. of 2.00 and have at least Junior standing to take this course. Departmental approval is required to take this course.

BF-298 Special Topics in Finance (200 Level) Credits: 1-3
Course Type(s): None
An intensive study of a particular subject or problem in finance to be announced prior to registration. The course may be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

BF-301 Principles of Finance Credits: 3
Prerequisite(s): BA-251, BE-201, and MA-117 or MA-126
Term Offered: All Terms
Course Type(s): None
Introduction to financial management and operations of business corporations, including: concepts of time-value of money, valuation and rate of return, risk management, financial statement analysis, asset valuation models, capital budgeting, and international financial management.

BF-303 Real Estate Investment and Taxation Credits: 3
Prerequisite(s): BF-310 or BR-310
Term Offered: Spring Term
Course Type(s): None
Designed to introduce students to the world of real estate finance, including debt and equity issues, securitization and taxation. Also listed as BR-303.

BF-304 Money, Credit, and Financial Institutions Credits: 3
Prerequisite(s): BE-202
Term Offered: All Terms
Course Type(s): None
Monetary economics and its institutions; the nature of and function of money; commercial and central banking; the money markets; financial intermediaries; and international monetary institutions. Also listed as BE-304.

BF-310 Real Estate Appraisal Credits: 3
Prerequisite(s): BF-301 passed with a grade of C- or higher
Co-requisite(s): MA-118
Course Type(s): None
Principles and processes of real estate valuation. The sales comparison, cost, and income approaches to value will be examined in depth.

BF-323 Analysis of Financial Statements Credits: 3
Prerequisite(s): BF-301 passed with a grade of C or higher
Term Offered: Spring Term
Course Type(s): None
Reading, analysis, and interpretation of financial statements of industrial and commercial business enterprises and of utilities and transportation.

BF-324 Principles of Working Capital Management Credits: 3
Prerequisite(s): BF-301 passed with grade of C or higher
Course Type(s): None
Exposure to major corporate decisions in restructuring and managing working capital and assessing the risks and returns of corporate decisions.

BF-341 Insurance and Risk Management Credits: 3
Prerequisite(s): BF-301 passed with a grade of C or higher
Term Offered: All Terms
Course Type(s): None
Principles and practices of insurance; the basic legal obligations and rights of the insurer and the insured in various types of contracts; types of carriers; internal and field organizations; government regulations and related subjects.

BF-356 Mergers and Acquisitions **Credits: 3**
Prerequisite(s): BF-301 Passed with a minimum grade of C
Term Offered: All Terms
Course Type(s): None
Mergers and acquisitions represent a major force in today's economy. M&A transactions take place in all industries and at all levels of the business life cycle-from acquisitions of startups to the merger of mature firms. This course provides students with a general understanding of the main M&A issues, including strategy, valuation methods, synergies, liquidity and control, and the steps in the M&A project -from the acquisition search until the post-merger integration. The course also includes special topics that vary per semester, such as hostile take-overs, LBOs (Leveraged Buyouts) and SPACs (Special Purpose Acquisition Companies). Also listed as BE-356.

BF-388 Cooperative Education: Finance Concentration **Credits: 3**
Prerequisite(s): BF-301 a minimum G.P.A. of 2.00, and completion of thirty credits, fifteen of which are earned at Monmouth University
Term Offered: Spring Term
Course Type(s): None
An opportunity to apply classroom theory in practice through actual work experience; includes both academic and experiential education. Experiential education involves fifteen to twenty hours of work per week for three credit hours. Academic aspects include reading assignments and a term paper. This course may be repeated for credit. Departmental approval is required to take this course.

BF-389 Internship in Finance **Credits: 3**
Course Type(s): None
An opportunity to apply classroom theory in practice through actual work experience; includes both academic and experiential learning. Experiential part involves fifteen to twenty hours of work experience per week for three credit hours; academic aspect includes reading assignments and a term paper. Students are limited to nine credits of internship electives. This course is repeatable twice for credit. Departmental approval is required to take this course. Junior standing and a minimum G.P.A. of 2.00 is required to take this course.

BF-398 Special Topics in Finance (300 Level) **Credits: 1-3**
Prerequisite(s): BF-301, Minimum grade C
Term Offered: Fall Term
Course Type(s): None
An intensive study of a particular subject or problem in finance to be announced prior to registration. The course may be conducted on either a lecture-discussion or a seminar basis.

BF-399 Independent Study in Finance **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Independent study on a Business Administration topic not substantially treated in a regular course; work will include scheduled conferences with sponsoring professor and written reports. Prior permission of the directing professor and department chair is required to take this course.

BF-421 International Finance **Credits: 3**
Prerequisite(s): BE-202 and BF-301 both passed with a grade of C or higher; and EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): WT
A study of the organization and operations of international monetary relations. Analyzes the alternative methods of short- and long-run payment adjustments; foreign exchange markets and international flow of funds; and theories of international liquidity.

BF-422 Investments **Credits: 3**
Prerequisite(s): BF-301 passed with a grade of C or higher
Term Offered: All Terms
Course Type(s): None
Basic investment principles: Investment objectives, determinants of value of investment media, range of investments available, relative values of securities, and personal investment administration. Students who have already taken BF-322 cannot register for this course. Students must take the Bloomberg Certification along with this course.

BF-431 Managerial Finance **Credits: 3**
Prerequisite(s): BF-301 passed with a grade of C or higher
Term Offered: All Terms
Course Type(s): None
Financial analysis, techniques, and principles as applied to short- and long-range planning and control; capital budgeting for long-term projects; valuation; determination of the firm's cost of capital; and the trade-off between risk and profitability.

BF-435 Derivatives **Credits: 3**
Prerequisite(s): MA-118 or MA-125 and BF-301, each passed with a grade of C or higher
Term Offered: All Terms
Course Type(s): None
Introduction to the complex subject of financial derivatives. Emphasis on the Black-Scholes and the Binomial Option pricing models, option strategies, and the use of options and futures to hedge risk.

BF-440 Bond Markets **Credits: 3**
Prerequisite(s): BE-251 and BF-301
Term Offered: Spring Term
Course Type(s): None
A comprehensive review and analysis of the U.S. Bond Markets with emphasis on traditional fixed income securities and their derivative products and applications. The course explores these studies from both a theoretical as well as practical perspective. Also listed as BE-440.

BF-451 Public Finance **Credits: 3**
Prerequisite(s): BE-202 and BA-252
Term Offered: Spring Term
Course Type(s): None
An analysis of the revenue, expenditure, and debt activities of government and their effects on resource allocation, income distribution, price stabilization, and economic growth. Also listed as BE-451.

BF-452 Portfolio Management - Hawk Capital Student Fund **Credits: 3**
Prerequisite(s): BA-251, BE-251, and BF-301 all passed with a grade of B or higher, and a G.P.A. above 3.30
Term Offered: All Terms
Course Type(s): None
Provides a real-world security analysis and portfolio management experience. Students learn and apply state of the art investment techniques, methods and tools in an actual hands-on environment managing a real portfolio in an environment replicating that of a professional investment firm.

BF-455 Financial Econometrics **Credits: 3**
Prerequisite(s): BE-201, BE-202, BE-251, and BF-301; MA-118 or MA-125 with a minimum grade of C.
Term Offered: All Terms
Course Type(s): None
Provides an advanced undergraduate level introduction to the methodology and tools of econometrics required by economics and finance professionals. Topics include: linear regression, time series modeling, capital asset pricing models, and volatility and correlation modeling. R and R Studio/Posit are used extensively in class. Instructor assumes students have no previous knowledge of R. Also listed as BE-455.

BF-480 Business Research: Finance **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Active participation in a research project chosen by and currently being pursued by the faculty sponsor. Student activities may include but are not limited to: literature search, data collection, data analysis, preparation of a manuscript, and delivery of a manuscript. Students must have Junior status or higher, approval of the instructor, department chair, and the Associate Dean or the Dean in order to register for this course.

BF-488 Cooperative Education: Finance Concentration **Credits: 3**
Prerequisite(s): BF-301 or Junior standing; minimum G.P.A. of 2.00, and completion of thirty credits, fifteen of which are earned at Monmouth University
Term Offered: Spring Term
Course Type(s): None
An opportunity to apply classroom theory in practice through actual work experience; includes both academic and experiential education. Experiential education involves fifteen to twenty hours of work per week for three credit hours. Academic aspects include reading assignments and a term paper. This course may be repeated for credit. Departmental approval is required to take this course. Junior standing or BF-301; a minimum G.P.A. of 2.00, and completion of thirty credits, fifteen of which are earned at Monmouth University.

BF-489 Internship in Finance **Credits: 3**
Term Offered: All Terms
Course Type(s): None
An opportunity to apply classroom theory in practice through actual work experience; includes both academic and experiential learning. Experiential part involves fifteen to twenty hours of work experience per week for three credit hours; academic aspect includes reading assignments and a term paper. Students are limited to nine credits of internship electives. This course is repeatable twice for credit. Departmental approval is required to take this course. Junior standing and a minimum G.P.A. of 2.00 is required to take this course.

BF-498 Special Topics in Finance (400 Level) **Credits: 1-3**
Prerequisite(s): BE-251 and BF-301 both passed with a grade of B or higher and a minimum G.P.A. of 3.30
Term Offered: All Terms
Course Type(s): None
An intensive study of a particular subject or problem in finance to be announced prior to registration. The course may be conducted on either a lecture-discussion or a seminar basis.

BF-499 Independent Study in Finance **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Independent study on a Business Administration topic not substantially treated in a regular course; work will include scheduled conferences with sponsoring professor and written reports. Prior permission of the directing professor and department chair is required to take this course.

Business Healthcare (BH)

BH-385 American Health Care Delivery System **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Examines the fundamental concepts of health care organization, finance, agencies, organizations, and various professional and paraprofessional employees in their roles as health care providers, and determine ways that these relationships can be improved. Sophomore standing or higher is required to take this course.

BH-386 Health Care Economics **Credits: 3**
Prerequisite(s): BA-200, BE-200, and BH-385, or with instructor and department chair permission in Nursing Studies
Term Offered: Spring Term
Course Type(s): None
Health policy is examined from an economic perspective. Basic economic theories and their relationships to the structure and function of the US health care system are explored. Alternative health care systems and health care reforms are also evaluated. The application of economics to the establishment of public policy is emphasized.

BH-480 Business Research: Business Health **Credits: 3**
Course Type(s): None
Active participation in a research project chosen by and currently being pursued by the faculty sponsor. Student activities may include but are not limited to: literature search, data collection, data analysis, preparation of a manuscript, and delivery of a manuscript. This course may be used as an elective course in the Management and Marketing concentration. Junior standing, approval of the instructor, department chair, and the Associate Dean or the Dean is required to take this course.

Business International (BI)

BI-298 Special Topics in International Marketing **Credits: 1-3**
Course Type(s): None
An intensive study or a particular subject or problem in international marketing, to be announced prior to registration. The course may be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

BI-388 Cooperative Education: International Business Concentration **Credits: 3**
Course Type(s): None
An opportunity to apply classroom theory in practice through actual work experience: includes both academic and experiential education. Experiential education involves fifteen to twenty hours of work per week for three credit hours. Academic aspects include reading assignments and a term paper. This course may be repeated for credit. Departmental approval is required to take this course, along with successful completion of thirty credits and a minimum G.P.A. of 2.00.

BI-389 Internship in International Business Credits: 3
Prerequisite(s): BM-250, BK-250, BM-471, BK-453, Junior standing, and a minimum G.P.A. of 2.10
Course Type(s): EX1
An opportunity to apply classroom theory in both academic and experiential education. Experiential education involves fifteen to twenty hours of work per week for three credit hours; academic aspect includes reading assignments and a term paper. Students are limited to nine internship free elective credits. This course may be repeated for credit. Departmental approval is required to take this course.

BI-399 Independent Study in International Business Credits: 3
Term Offered: Spring Term
Course Type(s): None
Independent Study on a Business Administration topic not substantially treated in a regular course; work will include scheduled conferences with sponsoring professor and written reports. Prior permission of the directing professor and department chair is required to take this course.

BI-419 Export/Import Marketing and Logistics Credits: 3
Prerequisite(s): BK-250 passed with a grade of C or higher
Term Offered: Spring Term
Course Type(s): None
Export/Import Marketing deals with ways to do business with the global market whether that is through importing or exporting a product or service. This course will cover how and why we import/export, government regulations, marketing strategies, documentation, procedures, tariff & non-tariff barriers, financing, method of payments, transportation, logistics, laws, Free Trade Agreements and related topics. Also listed as BK-419.

BI-488 Cooperative Education: International Business Concentration Credits: 3
Course Type(s): None
An opportunity to apply classroom theory in practice through actual work experience; includes both academic and experiential education. Experiential education involves fifteen to twenty hours of work per week for three credit hours. Academic aspects include reading assignments and a term paper. This course may be repeated for credit. Departmental approval is required to take this course, along with successful completion of thirty credits and a minimum G.P.A. of 2.00.

BI-489 Internship in International Business Credits: 3
Prerequisite(s): BM-250, BK-250, BM-471, BK-453, Junior standing and a minimum G.P.A. of 2.10
Term Offered: All Terms
Course Type(s): None
An opportunity to apply classroom theory in practice through actual work experience; includes both academic and experiential education. Experiential education involves fifteen to twenty hours of work per week for three credit hours; academic aspect includes reading assignments and a term paper. Students are limited to nine internship free elective credits. This course may be repeated for credit. Departmental approval is required to take this course.

BI-498 Special Topics in International Business (400 Level) Credits: 1-3
Prerequisite(s): BK-250 or as announced in the course schedule
Term Offered: Spring Term
Course Type(s): None
An intensive study of a particular subject or problem in International Business to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

BI-499 Independent Study in International Business Credits: 3
Term Offered: All Terms
Course Type(s): None
Independent study on a Business Administration topic not substantially treated in a regular course; work will include scheduled conferences with sponsoring professor and written reports. Prior permission of the directing professor and department chair is required to take this course.

Business Law (BL)

BL-201 Legal Environment of Business I Credits: 3
Term Offered: All Terms
Course Type(s): WT
Sources of law, Courts, Fundamentals of Civil Procedure, ADR, Business Ethics, Torts, Intellectual Property, Contracts, Business Organizations, Agency, Employment, Anti-trust, Property, and International law.

BL-202 Legal Environment of Business II Credits: 3
Prerequisite(s): BL-201
Term Offered: All Terms
Course Type(s): None
Sales contracts, advanced topics in business organizations, bankruptcy, commercial paper, leases, estates and trusts, and miscellaneous.

BL-480 Business Research: Business Law Credits: 3
Course Type(s): None
Active participation in a research project chosen by and currently being pursued by the faculty sponsor. Student activities may include but are not limited to: literature search, data collection, data analysis, preparation of a manuscript, and delivery of a manuscript. May be used as an elective course in the Accounting concentration.

BL-498 Special Topics in Business Law (400 Level) Credits: 1-3
Course Type(s): None
An intensive study of a particular subject or problem in business law to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

Business Management (BM)

BM-198 Special Topics in Management Credits: 1-3
Course Type(s): None
An intensive study of a particular subject or problem in management to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

BM-200 Introduction to Business Credits: 3
Term Offered: All Terms
Course Type(s): None
An interdisciplinary view of the theory and practices of the components in business functions as they are contingent for the owner's success to seek out opportunities and avoid pitfalls. For non-Business majors only.

BM-201 Survey of Management and Marketing Credits: 3
Prerequisite(s): BM-200
Term Offered: Spring Term
Course Type(s): None
An overview of the theories and practices of Management and Marketing and how they relate to businesses, the business environment, customers, employees, the global village, and compliance with rules, regulations and the law. For non-Business majors only.

BM-210 A Survey of Entrepreneurship Credits: 3
Prerequisite(s): BA-200, BE-200, BF-200 BL-200 and BM-200
Course Type(s): None
An overview of the theories and practices that focus on the tasks and activities of the small business owner, from the concept to the reality of researching venture feasibility, financing the business, launching the business, and managing growth. For non-Business majors only.

BM-225 Business Writing and Communication Credits: 3
Prerequisite(s): EN-101 and EN-102, or permission of the instructor
Term Offered: All Terms
Course Type(s): RD, WT
Designed for the future business professional. It introduces students to a variety of technical and business writing theories and practices relevant to business communications in the real world. The course will cover oral and written communication and how to make communication more effective.

BM-250 Principles of Management and Organizational Behavior Credits: 3
Term Offered: All Terms
Course Type(s): None
Management functions, including planning, organizing, staffing, directing, and controlling; the theory and practice as they are contingent on the behavior of people in organizations and on the organizational environment. Students must have a Sophomore or higher standing to take this course.

BM-311 Management Data Analytics Credits: 3
Prerequisite(s): BM-250 passed with a grade of C or better; IT-100 or IT-150; BE-251
Term Offered: All Terms
Course Type(s): None
The course provides an overview of data analytics and its use in supporting the decision making process for managers. The course emphasizes database management, data analytics, and data visualization processes and applications.

BM-327 Ethics, Diversity, and Social Responsibility Credits: 3
Prerequisite(s): BM-250, BK-250, Junior standing and EN-101 and EN-102 or permission of the instructor
Co-requisite(s): BF-301
Term Offered: All Terms
Course Type(s): SJL, WT
Explores and applies alternative ethical and justice viewpoints to economic, political, and social problems inherent in contemporary business practice. Presents a focus on management with an increasingly diverse workforce and increasingly complex criteria for measuring organizational performance.

BM-350 Operations Management Credits: 3
Prerequisite(s): BM-250
Co-requisite(s): BE-251
Term Offered: All Terms
Course Type(s): None
This course is an introduction to the concepts, principles, problems, and practices of operations management. Emphasis is placed on managerial processes for effective operations in both goods-producing and service-rendering organization with a specific focus on operations management applications to other functional business areas, such as finance, accounting, marketing and real estate. Topics include operations strategy, goods and service design, process design, capacity planning, facilities location and design, forecasting, production scheduling, inventory control, resource management, supply chain management, quality assurance, and project management.

BM-351 Renewable Energy Credits: 3
Prerequisite(s): BM-250 or Permission of Instructor
Term Offered: All Terms
Course Type(s): None
Students will become acquainted with the promise of renewable energy to replace a significant portion of fossil fuels. Each renewable energy source (biomass, solar, wind, hydro, geothermal, ocean currents and waves, and nuclear) will be examined for their mutual advantages and disadvantages, their future role in satisfying energy needs of a modern society and in promoting sustainability in corporations.

BM-388 Cooperative Education: Management Concentration Credits: 3
Prerequisite(s): BM-250, a minimum G.P.A. of 2.00 and completion of thirty credits, fifteen of which are earned at Monmouth University
Term Offered: Spring Term
Course Type(s): None
An opportunity to apply classroom theory in practice through actual work experience; includes both academic and experiential education. Experiential education involves fifteen to twenty hours of work per week for three credit hours. Academic aspects include reading assignments and a term paper. May be repeated for credit. Departmental approval is required to take this course.

BM-389 Internship in Management Credits: 1-3
Prerequisite(s): Junior standing, BM-250, BK-250, and a minimum G.P.A. of 2.00
Term Offered: Fall Term
Course Type(s): None
An opportunity to apply classroom theory in practice through actual work experience; includes both academic and experiential learning. Experiential part involves fifteen to twenty hours of work experience per week for three credit hours; academic aspect includes reading assignments and a term paper. Students are limited to nine credits of internship electives. Repeatable twice for credit.

BM-398 Special Topics in Management (300 Level) Credits: 1-3
Course Type(s): None
An intensive study of a particular subject or problem in management, to be announced prior to registration. The course may be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

BM-399 Independent Study in Management Credits: 3
Term Offered: All Terms
Course Type(s): None
Independent study on a Business Administration topic not substantially treated in a regular course; work will include scheduled conferences with sponsoring professor and written reports. Prior permission of the directing professor and department chair is required to take this course.

BM-402 Business Modeling and Analysis Credits: 3
Prerequisite(s): BM-250 passed with a grade of C or higher and BM-350
Term Offered: All Terms
Course Type(s): None
Decision-making within a business/management science framework; modeling of business systems/problems and the application of quantitative, statistical, and computer analyses.

BM-403 Management of Technology **Credits: 3**
Prerequisite(s): BM-250 passed with a grade of C or higher
Term Offered: Spring Term
Course Type(s): None
The application of management to technology, response to technological organizational structure, and management's role to assess innovations and conflicts of change that affect society and business. Analysis of technical systems and understanding uses of technology.

BM-404 Human Resources Management **Credits: 3**
Prerequisite(s): BM-250 passed with a grade of C or higher
Term Offered: All Terms
Course Type(s): None
Employment planning; job analyses, job descriptions, employee evaluations, and legal compliance; staffing and selection process; performance ratings; training and development; compensation and benefits; equal rights; and labor relations and topics relative to the management of human resources.

BM-408 Logistics and Supply Management **Credits: 3**
Prerequisite(s): BM-250 passed with a grade of C or higher and BM-350
Term Offered: All Terms
Course Type(s): None
Logistics is an integrative activity uniting suppliers, providers of goods and services, and customers. It is also a global activity where the suppliers, providers, and customers may be located all over the world. In order to emphasize the global aspects of logistics and the impact of geopolitics on logistical systems, the course will focus on the logistics of energy transportation: primarily oil plus liquefied petroleum gases. This course will cover the differing perspectives of users (oil companies) and providers (tanker owning companies) and financial institutions that support providers. International efforts to deal with oil pollution and other forms of pollution from ships will be investigated. The role of trucks, railroads, airlines, and pipelines in domestic logistics will be described along with the role of containerization and intermodalism in global logistics. Supply chain management as practiced by a number of different companies will be covered via lecture and student presentations.

BM-411 Business Data Management **Credits: 3**
Prerequisite(s): BM-250 passed with a grade of C or higher, BE-251, BM-311, and Junior standing
Term Offered: Fall Term
Course Type(s): TPS
The objective of Business Data Management (BDM) is to engage the students with a broad introduction to and a basic understanding of the data lifecycle, from its generation, transformation, use, and retirement as a vital capability for conducting any profitable business operation. Emphasis is placed on gaining the ability to organize, process, distribute, and sift through high levels of data in order to make informed, timely, and accurate decisions. Outcomes are assessed through a series of analysis, design, and implementation of digital information systems, encompassing design/modeling, storage, retrieval, and visualization at a fundamental level.

BM-423 Human Relations in Management **Credits: 3**
Prerequisite(s): BM-250 passed with a grade of C or higher
Term Offered: Spring Term
Course Type(s): None
Study of human relations in organizations with particular emphasis on leadership, changing work values, cross-cultural relations, legal compliance for conflict resolution, labor legislation.

BM-424 Conflict Resolution and Negotiations **Credits: 3**
Prerequisite(s): BM-250 passed with a grade of C or higher, BL-201, and Junior standing
Term Offered: Spring Term
Course Type(s): None
Designed to help students learn the fundamentals of negotiation processes. The course will be taught based upon weekly experiential cases whereby students will assume a role in a negotiation and negotiate with a partner.

BM-427 Sustainability for Business **Credits: 3**
Prerequisite(s): BM-250 or Permission of Instructor
Term Offered: All Terms
Course Type(s): None
This course looks at the important area of sustainability and why it must be driven by businesses in order to have any chance of success. Many people believe sustainability to be a synonym for 'green' and that it only focuses on the environment. This is not accurate as true business sustainability also includes societal and economic factors, or what was called the "Triple Bottom Line" by John Elkington. Colloquially known as the 3 Ps or people, planet, and profit, business sustainability includes impact on societal stakeholders (consumer and employees), as well as profit which is necessary for a business to continue.

BM-431 Behavioral Decision Making in Business **Credits: 3**
Prerequisite(s): BE-201 or BE-202, BE-251, BF-301, BM-250, BK-250; or permission of instructor.
Term Offered: All Terms
Course Type(s): None
Students are introduced to the increasingly relevant concept of behavioral economics and behavioral decision making. The course will cover normative, descriptive, and prescriptive decision making models and their relevance to management. Also discussed will be application of topics to business disciplines such as accounting, marketing, and finance.

BM-432 Hospitality Management and Marketing **Credits: 3**
Prerequisite(s): BM-250 passed with a grade of C or higher and BK-250
Course Type(s): None
The goal of this course is to provide the student with an introduction into the hospitality industry and the basics of its many components. We will examine industry trends, the corporate profiles of industry leaders, and the various and diverse schools of thought that exist in the strategic management of hospitality, and, finally, detail all the opportunities that the hospitality industry affords graduates of secondary institutions.

BM-451 Entrepreneurship **Credits: 3**
Prerequisite(s): BM-250 passed with a grade of C or higher and BK-250
Term Offered: All Terms
Course Type(s): None
The course builds the practical skills and knowledge needed to create and manage an entrepreneurial venture. Specifically the course develops students' capabilities to create a novel business concept, research venture feasibility, finance entrepreneurial ventures, and provides them with practical experience regarding the process of a formal launch of a venture.

BM-456 Franchising **Credits: 3**
Prerequisite(s): BM-250 passed with a grade of C or higher
Term Offered: Spring Term
Course Type(s): None
Explores the practical skills and knowledge needed to create and/or manage a franchise business from the perspective of both a franchisor and a franchisee. Specifically the course develops student capabilities to identify franchising opportunities, to plan and marshal the resources to operate a successful franchise, and to generate value through a franchise platform.

BM-471 Global Management **Credits: 3**
Prerequisite(s): BM-250 passed with a grade of C or higher, BK-250, and EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): WT
Management activities, processes, and procedures in directing an enterprise on a global basis, including the interplay of diverse, cultural environments.

BM-481 Leadership and Team Development **Credits: 3**
Prerequisite(s): BM-250 passed with a grade of C or higher
Term Offered: Fall Term
Course Type(s): None
Designed to help students understand the basics of team functioning, when to use group and individual decision making, and how to manage teams effectively as an influential leader.

BM-482 Small Business Management/Marketing **Credits: 3**
Prerequisite(s): BM-250 passed with a grade or C or higher and BK-250
Term Offered: All Terms
Course Type(s): None
Examines the various approaches to running a business that has either been started previously by the Entrepreneurship class or been submitted to us for development and council.

BM-483 Project Management **Credits: 3**
Prerequisite(s): BM-250 passed with a grade of C or higher
Term Offered: Spring Term
Course Type(s): None
Project management is introduced from an applied managerial perspective with an emphasis on the behaviors, tools, and topics that managers will encounter throughout the life cycle of a project. The overall project phases of initiating, planning and design, executing, monitoring and controlling, and closing projects will be covered.

BM-488 Cooperative Education: Management Concentration **Credits: 3**
Prerequisite(s): BM-250, a minimum G.P.A. of 2.00, and completion of thirty credits, fifteen of which are earned at Monmouth University
Course Type(s): None
An opportunity to apply classroom theory in practice through actual work experience; includes both academic and experiential education. Experiential education involves fifteen to twenty hours of work per week for three credit hours. Academic aspects include reading assignments and a term paper. This course may be repeated for credit. Departmental approval is required to take this course.

BM-489 Internship in Management **Credits: 3**
Prerequisite(s): Junior standing, BM-250, BK-250, and a minimum G.P.A. of 2.00
Term Offered: All Terms
Course Type(s): None
An opportunity to apply classroom theory in practice through actual work experience; includes both academic and experiential learning. Experiential part involves fifteen to twenty hours of work experience per week for three credit hours; academic aspect includes reading assignments and a term paper. Students are limited to nine credits of internship electives. Repeatable twice for credit.

BM-490 Strategic Management **Credits: 3**
Prerequisite(s): BA-252, BE-202, BF-301, and BM-350
Co-requisite(s): BM-327
Term Offered: All Terms
Course Type(s): EX5
Integrates all disciplines of undergraduate study in business administration; emphasizes analysis of real-world organizational problems and opportunities in the total enterprise; capstone approach to executive development.

BM-498 Special Topics in Management (400 Level) **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
An intensive study of a particular subject or problem in management to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

BM-499 Independent Study in Management **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Independent study on a Business Administration topic not substantially treated in a regular course; work will include scheduled conferences with sponsoring professor and written reports. Prior permission of the directing professor and department chair is required to take this course.

Business Marketing (BK)

BK-250 Principles of Marketing **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Fundamental concepts involved in satisfying consumer objectives through goods and services; consumer characteristics; marketing system environments; middlemen; analysis of consumer and industrial goods; and physical distribution.

BK-298 Special Topics in Marketing (200 Level) **Credits: 1-3**
Course Type(s): None
An intensive study or a particular subject or problem in marketing, to be announced prior to registration. The course may be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

BK-301 Marketing Research **Credits: 3**
Prerequisite(s): BE-251 and BK-250 both passed with a grade of C or higher
Course Type(s): None
Methods, tools, and reasons for marketing research in support of distribution planning and policy formulation by top management; basic planning, questionnaire design, preliminary testing, field interviewing, sampling, data processing and analysis. A grade of "C" or better in BK-301 is required in order to take BK-453 International Marketing and BK-459 Managerial Marketing.

BK-304 Consumer Behavior **Credits: 3**
Prerequisite(s): BK-250 passed with a grade of C or higher
Course Type(s): None
A marketing strategy approach evaluating consumer attitudes and buying patterns; motivational and cognitive aspects of buying behavior; target market identification; and social class relationships. A grade of "C" or better in BK-304 is required in order to take BK-459 Managerial Marketing.

BK-311 Principles of Advertising **Credits: 3**
Prerequisite(s): BK-250 passed with a grade of C or higher
Course Type(s): None
Current practices in advertising, including its purpose and place, preparation and appeal, techniques, layout, and copywriting through visualized layouts and current media.

BK-388 Cooperative Education: Marketing Concentration **Credits: 3**
Prerequisite(s): BK-250 passed with a grade of C or higher, a minimum G.P.A. of 2.00, and completion of thirty credits, fifteen of which have been completed at Monmouth University
Term Offered: All Terms
Course Type(s): None
An opportunity to apply classroom theory in practice through actual work experience; includes both academic and experiential education. Experiential education involves fifteen to twenty hours of work per week for three credit hours. Academic aspects include reading assignments and a term paper. This course may be repeated for credit. Departmental approval is required to take this course.

BK-389 Internship in Marketing **Credits: 1-3**
Prerequisite(s): BM-250, BK-250, Junior standing and a minimum G.P.A. of 2.00
Term Offered: All Terms
Course Type(s): None
An opportunity to apply classroom theory in practice through actual work experience; includes both academic and experiential learning. Experiential part involves fifteen to twenty hours of work experience per week for three credit hours; academic aspect includes reading assignments and a term paper. Students are limited to nine internship free elective credits. Departmental approval is required to take this course.

BK-398 Special Topics in Marketing (300 Level) **Credits: 1-3**
Course Type(s): None
An intensive study of a particular subject or problem in marketing, to be announced prior to registration. The course may be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

BK-399 Independent Study in Marketing **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Independent study on a Business Administration topic not substantially treated in a regular course; work will include scheduled conferences with sponsoring professor and written reports. Prior permission of the directing professor and department chair is required to take this course.

BK-401 Marketing Research **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Methods, tools, and reasons for marketing research in support of distribution planning and policy formulation by top management; basic planning, questionnaire design, preliminary testing, field interviewing, sampling, data processing and analysis.

BK-402 Retail Marketing Management **Credits: 3**
Prerequisite(s): BK-250 passed with a grade of C or higher
Term Offered: Spring Term
Course Type(s): None
Examines marketing within the consumer retail environment. Focuses on fundamental aspects of retailing including retail customer strategy, merchandising trends, display layouts, pricing, vendor relations, and location.

BK-404 Consumer Behavior **Credits: 3**
Term Offered: All Terms
Course Type(s): None
A marketing strategy approach evaluating consumer attitudes and buying patterns; motivational and cognitive aspects of buying behavior; target market identification; and social class relationships.

BK-406 Marketing Analytics **Credits: 3**
Prerequisite(s): BK-250 and BK-301 both passed with a Minimum grade of C or higher.
Term Offered: All Terms
Course Type(s): None
This course introduces students to methods for analyzing data residing in firms' customer databases. We will review all necessary statistical concepts and learn how to use SPSS to conduct a variety of marketing analyses using customer databases. In addition, we will discuss Google Analytics, social listening tools, and data visualization.

BK-407 Digital Marketing **Credits: 3**
Prerequisite(s): BK-250 passed with a grade of C or higher
Term Offered: Fall Term
Course Type(s): None
Digital marketing combines established marketing concepts with the creative use of new digital models and digital tools, such as social media marketing, search engine optimization, mobile and email marketing. Successful students will complete the course with a comprehensive knowledge of how to develop an integrated digital marketing strategy from formulation to implementation.

BK-411 Principles of Advertising **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Current practices in advertising, including its purpose and place, preparation and appeal, techniques, layout, and copywriting through visualized layouts and current media.

BK-419 Export/Import Marketing and Logistics **Credits: 3**
Prerequisite(s): BK-250 passed with a grade of C or higher
Term Offered: Spring Term
Course Type(s): None
Export/Import Marketing deals with ways to do business with the global market whether that is through importing or exporting a product or service. This course will cover how and why we import/export, government regulations, marketing strategies, documentation, procedures, tariff & non-tariff barriers, financing, method of payments, transportation, logistics, laws, Free Trade Agreements and related topics. Also listed as BI-419.

BK-420 Health Care Management and Marketing **Credits: 3**
Prerequisite(s): BM-250, and BK-250 passed with a grade of C or higher
Term Offered: Spring Term
Course Type(s): None
An introductory overview of the U.S. healthcare system and its overall management and marketing issues, including coverage of its past and present political, organizational, socioeconomic, behavioral, human resource, educational, and utilization dimensions.

BK-421 Marketing of Services **Credits: 3**
Prerequisite(s): BK-250 passed with a grade of C or higher
Course Type(s): None
Examines the applications of the conceptual framework of marketing within the service business context. Focuses on the characteristics of the service environment, as well as important considerations in the services marketing-mix strategies.

BK-422 Principles of Personal Selling **Credits: 3**
Prerequisite(s): BK-250 passed with a grade of C or higher
Course Type(s): None
Theory and practice of personal selling; qualifications and preparation of the salesperson, the psychology of selling, and the various steps that enter into the sale itself.

BK-431 Sports Marketing **Credits: 3**
Prerequisite(s): BK-250 passed with a grade of C or higher
Term Offered: Fall Term
Course Type(s): None
Classroom lectures and readings will illuminate the theoretical underpinnings and practical applications of marketing strategies to the collegiate and professional sport, special events, international sport, broadcasting, facility management, and sporting goods industries.

BK-452 Business Marketing **Credits: 3**
Prerequisite(s): BK-250 passed with a grade of C or higher
Term Offered: All Terms
Course Type(s): None
Aspects of marketing raw and semi-manufactured materials; industrial equipment of all kinds and other production goods; focus on product, market, and channel analyses.

BK-453 International Marketing **Credits: 3**
Prerequisite(s): BK-301 passed with a grade of C or higher, EN-101, and EN-102
Term Offered: All Terms
Course Type(s): WT
Analysis of the policy, managerial, and implementation considerations involved in seeking multinational business opportunities with emphasis on the role of environmental and cultural differences in developing strategies for foreign market penetration.

BK-457 Social Media Marketing **Credits: 3**
Prerequisite(s): BK-250 passed with a grade of C or higher, and IT-150 or IT-100
Term Offered: All Terms
Course Type(s): None
Explores marketing strategies and tactics to gain website traffic, brand exposure, consumer insight, customer engagement, and sales through social media platforms. Social media marketing is a dynamic component of integrated marketing communications, and as such it must be carefully coordinated within the branding and promotional mix as well as across paid, owned and earned media through a comprehensive social media marketing plan.

BK-459 Managerial Marketing **Credits: 3**
Prerequisite(s): BK-301 and BK-304 both passed with a grade of C or higher
Term Offered: All Terms
Course Type(s): None
Application of management principles to the integrated marketing function, both internally within the various units of the marketing division and externally in coordination with the other major divisions of the company.

BK-480 Business Research: Marketing **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Active participation in a research project chosen by and currently being pursued by the faculty sponsor. Student activities may include but are not limited to: literature search, data collection, data analysis, preparation of a manuscript, and delivery of a manuscript.

BK-488 Cooperative Education: Marketing Concentration **Credits: 3**
Prerequisite(s): BK-250 passed with a grade of C or higher, a minimum G.P.A. of 2.00 and completion of thirty credits, fifteen of which have been earned at Monmouth University
Term Offered: All Terms
Course Type(s): None
An opportunity to apply classroom theory in practice through actual work experience; includes both academic and experiential education. Experiential education involves fifteen to twenty hours of work per week for three credit hours. Academic aspects include reading assignments and a term paper. This course may be repeated for credit. Departmental approval is required to take this course.

BK-489 Internship in Marketing **Credits: 3**
Prerequisite(s): BM-250, BK-250 passed with a grade of C or higher, Junior standing and a minimum G.P.A. of 2.00
Term Offered: All Terms
Course Type(s): None
An opportunity to apply classroom theory in practice through actual work experience; includes both academic and experiential learning. Experiential part involves fifteen to twenty hours of work experience per week for three credit hours; academic aspect includes reading assignments and a term paper. Students are limited to nine internship free elective credits.

BK-498 Special Topics in Marketing (400 Level) **Credits: 1-3**
Prerequisite(s): BK-250 passed with a minimum grade of C or higher, or as announced in the course schedule
Term Offered: All Terms
Course Type(s): None
An intensive study of a particular subject or problem in marketing to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis.

BK-499 Independent Study in Marketing **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Independent study on a Business Administration topic not substantially treated in a regular course; work will include scheduled conferences with sponsoring professor and written reports. Prior permission of the directing professor and department chair is required to take this course.

Business Real Estate (BR)

BR-298 Special Topics in Real Estate **Credits: 1-3**
Term Offered: Fall Term
Course Type(s): None
An intensive study of a particular subject or problem in real estate to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

BR-301 Real Estate Law **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Legal issues as they apply to the acquisition, financing, and sale of real estate.

BR-303 Real Estate Finance Investment and Taxation **Credits: 3**
Prerequisite(s): BF-301 passed with a minimum grade of C.
Term Offered: Spring Term
Course Type(s): None
Designed to introduce students to the world of real estate finance, including debt and equity issues, securitization and taxation.

BR-304 Real Estate Lease Analysis **Credits: 3**
Prerequisite(s): BR-301
Term Offered: All Terms
Course Type(s): None
Examines concerned leasehold transactions, including office, industrial, retail, and general leases, while focusing on the respective roles of all relevant parties to the lease.

BR-305 Real Estate Data Analysis **Credits: 3**
Prerequisite(s): BR-301 and BR-303 or BR-310
Term Offered: All Terms
Course Type(s): None
Develop an understanding of real estate markets, proforma financial modeling and data visualization currently used by real estate professionals in evaluating acquisition feasibility and development. Excel, Argus and GIS will be used to generate Decision Making Artifacts commonly used to evaluate risk and feasibility in the real estate industry. Prerequisites: BR-301 and BR-303 or BR-310

BR-310 Real Estate Appraisal **Credits: 3**
Prerequisite(s): BF-301 passed with a grade of C or higher
Term Offered: Fall Term
Course Type(s): None
Principles and processes of real estate valuation. The sales comparison, cost, and income approaches to value will be examined in depth.

BR-389 Internship in Real Estate **Credits: 1-3**
Term Offered: Summer Term
Course Type(s): None
An opportunity to apply classroom theory in practice through actual work experience; including both academic and experiential learning. The experiential portion involves fifteen to twenty hours of work experience per week for three credit hours, and the academic aspect includes reading assignments and a term paper. Students are limited to nine credits of internship electives. Repeatable twice for credit. Departmental approval is required to take this course, along with Junior standing, and a minimum G.P.A. of 3.0

BR-398 Special Topics in Real Estate **Credits: 1-3**
Term Offered: Fall Term
Course Type(s): None
An intensive study of a particular subject or problem in real estate to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

BR-405 Real Estate Development **Credits: 3**
Prerequisite(s): BR-301 and BR-303 or BR-310
Term Offered: All Terms
Course Type(s): None
Designed to introduce students to the world of real estate development, including the regulatory environment, which must be navigated to successfully gain municipal and other governmental approvals for a land use project. Prerequisites: BR-301 and BR-303 or BR-310

BR-489 Internship in Real Estate **Credits: 3**
Course Type(s): None
An opportunity to apply classroom theory in practice through actual work experience; including both academic and experiential learning. The experiential portion involves fifteen to twenty hours of work experience per week for three credit hours, and the academic aspect includes reading assignments and a term paper. Students are limited to nine credits of internship electives. Repeatable twice for credit. Departmental approval is required to take this course. Junior standing, a minimum G.P.A. of 2.00, and instructor consent are required to register for this course.

BR-498 Special Topics in Real Estate **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
An intensive study of a particular subject or problem in real estate to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

BR-499 Independent Study in Real Estate **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
Independent study on a Business Administration topic not substantially treated in a regular course; work will include scheduled conferences with sponsoring professor and written reports. Prior permission of the directing professor and department chair is required to take this course.

Chemistry (CE)

CE-101 Chemistry in Our Lives **Credits: 3**
Term Offered: All Terms
Course Type(s): NS
Major concepts and methodologies in chemistry and their relation to specific, important issues in today's society.

CE-109 Introduction to General, Organic, and Biochemistry **Credits: 4**
Prerequisite(s): Score of 3 or higher on the Mathematics Placement Exam, or MA-105 passed with a grade of C- or higher.
Course Type(s): None
Structure of matter, the mole concept, chemical bonds and reactions, acids and bases, structure and reactions of organic compounds, chemistry and metabolism of amino acids, carbohydrates, lipids, proteins, and nucleic acids. Three hours of class, three hours of lab per week. Students must have had High School Chemistry to take this course.

CE-111 General Chemistry I **Credits: 3**
Prerequisite(s): Score of 2 or higher on the Mathematics Placement Exam or MA-050 passed with a grade of C- or higher
Co-requisite(s): CE-111L
Term Offered: All Terms
Course Type(s): NS
The first of two lecture courses which, taken together, provide a preparation for subsequent courses in chemistry. Principles and theories of chemical problem solving, stoichiometry and chemical reactions, states of matter, periodic properties of the elements, atomic and molecular structure, introductory quantum mechanics, thermochemistry, and the properties of gases are covered.

CE-111L General Chemistry I Laboratory **Credits: 1**
Co-requisite(s): CE-111
Term Offered: All Terms
Course Type(s): None
Laboratory work to complement the class work of CE-111 and CE-112; review of mathematical fundamentals; experiments involving observation and interpretation of chemical and physical changes; experimental studies of gas laws, thermodynamics, kinetics, equilibrium, acids and bases, qualitative analysis, and molecular mass determination. Three hours per week.

CE-111R General Chemistry I Recitation **Credits: 1**
Co-requisite(s): CE-111 and CE-111L
Term Offered: All Terms
Course Type(s): None
Gen Chem 1 Recitation supports General Chemistry 1 students with active learning activities such as group problem solving and peer-led team learning that focus on the key or most challenging aspects of the General Chemistry 1 course. Assessment activities, including quizzes, are included in Gen Chem 1 Recitation. Gen Chem 1 is a Pass/Fail corequisite for CE 111 - General Chemistry 1. Corequisite: CE-111 and CE-111L

CE-112 General Chemistry II **Credits: 3**
Prerequisite(s): CE-111 passed with a grade of C- or higher, CE-111L passed with a grade of C- or higher, and either MA-101 passed with a grade of C- or higher or a score of 3 or higher on the Mathematics Placement Exam.
Co-requisite(s): CE-112L
Term Offered: All Terms
Course Type(s): NS
The second of two lecture courses which, taken together, provide preparation for subsequent courses in chemistry. Properties of liquids and solutions, chemical kinetics and equilibrium, thermodynamics, electrochemistry and nuclear chemistry.

CE-112L General Chemistry II Laboratory **Credits: 1**
Co-requisite(s): CE-112
Course Type(s): None
Laboratory work to complement the class work of CE-111 and CE-112; review of mathematical fundamentals; experiments involving observation and interpretation of chemical and physical changes; experimental studies of gas laws, thermodynamics, kinetics, equilibrium, acids and bases, qualitative analysis, and molecular mass determination. Three hours per week.

CE-112R General Chemistry II Recitation **Credits: 1**
Prerequisite(s): CE-111 and CE-111L both passed with a grade of C- or higher; CE-111R.
Co-requisite(s): CE-112 and CE-112L
Term Offered: All Terms
Course Type(s): None
Chem 2 Recitation supports General Chemistry 2 students with active learning activities such as group problem solving and peer-led team learning that focus on the key or most challenging aspects of the General Chemistry 1 course. Assessment activities, including quizzes, are included in Gen Chem 2 Recitation. Gen Chem 2 Recitation is a Pass/Fail corequisite for CE-112.

CE-198 Special Topics in Chemistry (100 Level) **Credits: 1-3**
Course Type(s): None
An intensive study of a particular subject or problem in chemistry to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

CE-220 Environmental Chemistry **Credits: 3**
Prerequisite(s): CE-112 and CE-112L, both passed with a grade of C- or higher
Co-requisite(s): CE-220L
Course Type(s): MEBP
Soil, aquatic, and atmospheric chemistry; environmental analytical chemistry; connections to environmental biology. Sources, reactions, mobility, effects, and fates of chemical species in the soil, water and air environments and the effect of human activity on these. Gives the theoretical principles and techniques of both classical and instrumental methods of chemical analysis.

CE-220L Environmental Chemistry Laboratory **Credits: 1**
Co-requisite(s): CE-220
Course Type(s): MEBP
Soil, aquatic and atmospheric chemistry; environmental analytical chemistry; connections to environmental biology. Sources, reactions, mobility, effects and fates of chemical species in the soil, water and air environments and the effect of human activity on these. Laboratory experiments and field trips will be used to address the needs for this course. Students will gain hands-on experience in both classical and instrumental methods of chemical analysis.

CE-221 Analytical Chemistry I Quantitative Analysis **Credits: 3**
Prerequisite(s): CE-112 and CE-112L both passed with a grade of C- or higher
Co-requisite(s): CE-221L
Term Offered: Spring Term
Course Type(s): None
Theoretical principles and techniques of volumetric, gravimetric, and potentiometric methods of analysis; treatment of analytical data, equilibria involving acid-base, redox, complexometric, and precipitation reactions.

CE-221L Analytical Chemistry I Laboratory Quantitative Analysis **Credits: 1**
Co-requisite(s): CE-221
Term Offered: Spring Term
Course Type(s): None
Laboratory techniques, procedures, and practice in quantitative analysis of selected substances by volumetric, gravimetric, and potentiometric methods.

CE-241 Organic Chemistry I **Credits: 3**
Prerequisite(s): CE-112 and CE-112L both passed with a grade of C- or higher
Co-requisite(s): CE-241L
Term Offered: All Terms
Course Type(s): None
Preparations and reactions of major classes of organic compounds with extensive discussion of reaction mechanisms and stereo-chemistry; interpretation of mass, infrared, and nuclear magnetic resonance spectra.

CE-241L Organic Chemistry I Laboratory **Credits: 1**
Prerequisite(s): CE-112 and CE-112L.
Co-requisite(s): CE-241
Term Offered: All Terms
Course Type(s): None
Laboratory work demonstrating the basic techniques of organic chemistry; qualitative organic analysis; and use of the gas chromatograph and infrared and nuclear magnetic resonance spectrometers to solve problems. Three hours per week.

CE-242 Organic Chemistry II **Credits: 3**
Prerequisite(s): CE-241 and CE-241L, both passed with a grade of C- or higher.
Co-requisite(s): CE-242L.
Term Offered: All Terms
Course Type(s): MEBP
Preparations and reactions of major classes of organic compounds with extensive discussion of reaction mechanisms and stereo-chemistry; interpretation of mass, infrared, and nuclear magnetic resonance spectra.

CE-242L Organic Chemistry II Laboratory **Credits: 1**
Prerequisite(s): CE-241 and CE-241L, both passed with a grade of C- or higher.
Co-requisite(s): CE-242.
Course Type(s): None
Laboratory work demonstrating the basic techniques of organic chemistry; qualitative organic analysis; and use of the gas chromatograph and infrared and nuclear magnetic resonance spectrometers to solve problems. Three hours per week.

CE-298 Special Topics in Chemistry (200 Level) **Credits: 1-3**
Prerequisite(s): CE-111, CE-111L, CE-112, CE-112L and others as announced in the course schedule
Course Type(s): None
An intensive study of a particular subject or problem in chemistry to be announced prior to registration. May be conducted in a lecture, seminar or laboratory format.

CE-299 Independent Study in Chemistry **Credits: 1-3**
Term Offered: Spring Term
Course Type(s): None
Original research work planned and carried out with the assistance of a faculty research advisor. The number of course credits will be arranged with the advisor. Three hours per credit. Prior permission of the directing professor and department chair is required to take this course.

CE-314 Chemical Literature and Seminar **Credits: 3**
Prerequisite(s): CE-241
Term Offered: All Terms
Course Type(s): RD
The course focuses on the professional development of chemistry majors including: the chemical literature and how to use it, presentation skills for chemists, laboratory safety, professional ethics, and intellectual property. Prerequisite: CE-241

CE-322 Analytical Chemistry II **Credits: 3**
Prerequisite(s): CE-221, CE-221L, MA-116, PH-212, and PH-212L, all passed with a grade of C- or higher, or permission of the instructor.
Term Offered: Fall Term
Course Type(s): None
Basic components of instruments and their arrangements; fundamental principles, applications, and limitations of instrumental methods of chemical analysis; spectroscopic methods (UV-Visible, Fourier transform infrared, Raman, Fluorescence, Phosphorescence, Atomic absorption, Atomic emission, and Mass spectrometry); electrochemical methods (Potentiometry and Voltammetry); separation methods (High Performance liquid chromatography, Gas chromatography, and Capillary Electrophoresis).

CE-322L Analytical Chemistry II Laboratory **Credits: 2**
Co-requisite(s): CE-322
Term Offered: Fall Term
Course Type(s): WT
Basic components of instruments and their arrangements; fundamental principles, applications and limitations of instrumental methods of chemical analysis; spectroscopic methods (UV-Visible, Fourier transform infrared, Fluorescence, Atomic absorption and Atomic emission); electrochemical methods (Potentiometry and Voltammetry); separation methods (High Performance liquid chromatography, Gas chromatography - Mass spectrometry). Laboratory experiments and an independent research project will be used to address the needs of this course. Students will gain hands-on experience in instrumental methods of chemical analysis for both qualitative and quantitative work.

CE-325 NMR Spectroscopy **Credits: 3**
Prerequisite(s): CE-242L
Term Offered: Fall Term
Course Type(s): None
A treatment of the theories and applications of modern Fourier transform nuclear magnetic resonance (FT-NMR) spectroscopy. Applications of FT-NMR spectroscopy to the investigation and solution of chemical problems will be emphasized.

CE-333 Biochemistry **Credits: 3**
Prerequisite(s): CE-242
Co-requisite(s): CE-333L
Term Offered: Fall Term
Course Type(s): None
Biochemistry is a field about chemistry in living organisms. Biochemistry CE-333 is a 1-semester complete biochemistry course. This water-based chemistry will initially explore monomers (amino acids, monosacharides and nucleotides) followed by their polymers (protein, polysaccharides and nucleic acids) with a focus on the relationship between their structure and function. Moreover, structures and properties of fatty acids to phospholipids and membranes will be studied. The properties of these molecules and how they all interact together will be further studies through the concepts of enzymology and metabolism. Being multidisciplinary, this course should be taken by chemistry majors, as well as students aiming at graduate school or medical professional fields. Prerequisite: CE-242 Corequisite: CE-333L

CE-333L Biochemistry Laboratory **Credits: 1**
Term Offered: Fall Term
Course Type(s): WT
CE-333L will provide training in modern biochemical techniques, using proteins, nucleic acids, carbohydrates and lipids. This laboratory will provide students with hands-on experience in basic and modern techniques commonly used in biochemistry, that will be required in the pursuit of their academic and career objectives. Prerequisites: EN-101 and EN-102 Corequisite: CE-333

CE-350 Research in Chemistry **Credits: 1-4**
Term Offered: All Terms
Course Type(s): EX5
Original research work, carried out under the mentorship of a faculty research advisor. Research conducted by the students may be submitted for presentation, publication, or review, as appropriate. The number of course credits will be determined by arrangement with the advisor. Three hours/week per credit, 1-3 credits. Prerequisites: Determined by faculty mentor.

CE-360 Biophysical Chemistry **Credits: 3**
Prerequisite(s): CE-242
Term Offered: All Terms
Course Type(s): None
Principles and applications of physical chemistry including thermodynamics, kinetics and spectroscopy to study the structure and function of biological macromolecules. Prerequisite: CE-242

CE-360L Biophysical Chemistry Laboratory **Credits: 1**
Prerequisite(s): CE-242
Term Offered: All Terms
Course Type(s): None
The Lab course is designed to give hands-on experience with contemporary experimental instrumentation and techniques that are widely used in the biophysical characterization of biological macromolecules. Students will also work on individual projects designed to provide a real-life academic/industrial research experience and will submit a clear and concise report and presentation based on the experimental results. Prerequisite: CE-242 Corequisite: CE-360

CE-374 Industrial Chemistry **Credits: 3**
Prerequisite(s): CE-242
Term Offered: Fall Term
Course Type(s): None
A treatment of some reaction chemistry, chemical processes, thermodynamics, chemical equilibria, and kinetics that are important to the chemical industry. Fundamental principles and problems of the chemical industry will also be discussed.

CE-381 Physical Chemistry I **Credits: 3**
Prerequisite(s): MA-116, PH-212, both passed with a grade of C- or higher.
Co-requisite(s): CE-381L.
Term Offered: Fall Term
Course Type(s): None
Basic principles of quantum mechanics essential for understanding of atomic and molecular spectroscopy are covered. The specific topics included: Quantum Mechanics: postulates and formulation of Schrodinger equation, uncertainty principle, particle in a box, simple harmonic oscillator, rigid rotor, Hydrogen atom, hydrogenic wave functions, Pauli principle, Helium atom, Hydrogen molecule, Molecular Orbital Theory; Introduction and applications of Computational Chemistry; Spectroscopy; Light-matter interaction, term symbols, spectroscopic selection rules, electronic spectra of atoms and molecules, rotational and vibrational spectra, IR and Raman spectroscopy, Lasers.

CE-381L Physical Chemistry I Laboratory **Credits: 1**
Prerequisite(s): EN-101 and EN-102 or permission of the instructor.
Co-requisite(s): CE-381.
Term Offered: Fall Term
Course Type(s): WT
This course is designed to be taken concurrently with CE-381, Physical Chemistry I. The experiments performed complement material studied in CE-381. Topics covered include: UV-Vis, FT-IR, Raman, Laser Induced Fluorescence, and Flash Photolysis spectroscopies. This laboratory also requires the use of modern computer platforms and quantum chemistry software for molecular simulations and data analysis.

CE-382 Physical Chemistry II **Credits: 3**
Prerequisite(s): MA-116, PH-212 and CE-381, all passed with a grade of C- or higher
Co-requisite(s): CE-382L
Term Offered: All Terms
Course Type(s): None
Amplification of concepts in thermodynamics, chemical kinetics and dynamics and application of these to gases, liquids, and solutions to provide a solid background for understanding the physical principles that govern behavior of chemical and biological systems. The specific topics included: Thermodynamics: standard functions (enthalpy, entropy, etc.), ensembles, partition function. Gibbs chemical potential, phase equilibria, electrochemical cells; Kinetic Theory of Gases: Maxwell-Boltzmann distribution, collision frequency; effusion rate, heat capacity, transport processes (diffusion, viscosity, etc.); Chemical Kinetics: differential and integral expressions for rate laws, reaction mechanisms, Chemical Dynamics: collision theory, absolute rate theory, transition state theory. Corequisite: CE-382L

CE-382L Physical Chemistry II Laboratory **Credits: 1**
Prerequisite(s): EN-101 and EN-102 or permission of the instructor.
Co-requisite(s): CE-382.
Term Offered: Spring Term
Course Type(s): WT
This course is designed to be taken concurrently with CE-382, Physical Chemistry I. The experiments performed complement material studied in CE-382. Topics covered include experimental investigation of gas laws, phase transitions, transport properties of gases (diffusion), electrochemistry (electrolysis, electroplating, and voltammetry) and chemical kinetics (fluorescence quenching). This laboratory also requires the use of modern computer platforms and quantum chemistry software for simulations of chemical kinetics, dynamics and data analysis.

CE-388 Cooperative Education: Chemistry **Credits: 1-3**
Prerequisite(s): CE-221, CE-221L, CE-242, and CE-242L; an overall G.P.A. of 2.00; fifteen credits completed at Monmouth University, and approval of the Department of Chemistry
Term Offered: Spring Term
Course Type(s): EX2
Application of chemical concepts and skills learned in lecture and laboratory to work-related experiences. Students and faculty sponsors maintain journals of their cooperative education opportunities with the assistance of the Director of Cooperative Education. Students will work forty hours per credit per semester at their jobs. Students will maintain journals of their cooperative education experiences and write reports demonstrating how their experiences helped them achieve their learning goals. This is a pass/fail course. Departmental approval is required to take this course.

CE-389 Internship in Chemistry **Credits: 1-3**
Prerequisite(s): CE-221, CE-221L, CE-242, CE-242L, an overall GPA of 2.00, fifteen credits completed at Monmouth University, and approval by the Department of Chemistry
Term Offered: All Terms
Course Type(s): EX1
Provides an opportunity to apply chemical concepts and skills learned in lecture and laboratory to work-related experiences. Students and faculty sponsors will identify internship opportunities. Students will work forty hours per credit per semester in their internship positions. Students will maintain journals of their internship experiences and write reports demonstrating how their internship experiences helped them achieve the learning objectives identified at the start of the internships. This is a pass/fail course.

CE-398 Special Topics in Chemistry (300 Level) Credits: 1-3
Prerequisite(s): CE-241, CE-241L, CE-242, CE-242L, or as announced in the course schedule
Term Offered: Spring Term
Course Type(s): None
An intensive study of a particular subject or problem in chemistry to be announced prior to registration. May be conducted in a lecture, seminar, or laboratory format.

CE-398L Special Topics in Chemistry Credits: 3
Course Type(s): None
An intensive study of a particular subject or problem in chemistry to be announced prior to registration. Conducted in a laboratory format.

CE-399 Independent Study in Chemistry (300 Level) Credits: 1-3
Term Offered: All Terms
Course Type(s): None
Original research work planned and carried out with the assistance of a faculty research advisor. The number of credits will be arranged with the advisor. Prior permission of the directing professor and department chair is required to take this course.

CE-401 Advanced Inorganic Chemistry Credits: 3
Prerequisite(s): CE-242 and CE-242L both passed with a grade of C- or higher
Term Offered: All Terms
Course Type(s): None
Modern theories of inorganic chemistry, including advanced considerations of atomic and molecular structure, chemical bonding, complex ions, solid state chemistry, magnetic properties of ions, periodicity, and contemporary problems.

CE-401L Advanced Inorganic Chemistry Laboratory Credits: 1
Co-requisite(s): CE-401
Term Offered: All Terms
Course Type(s): None
Inorganic synthetic techniques, including inert atmosphere, high temperature, and non-aqueous solvents; methods of characterization of inorganic compounds, including use of spectroscopic and other instrumental methods. Three hours per week.

CE-405 Methods of Inorganic Chemistry Credits: 3
Prerequisite(s): CE-401
Term Offered: Spring Term
Course Type(s): None
Coverage of important experimental methods in inorganic structural determinations. Topics include symmetry and group theory, computational methods, mass spectrometry, diffraction analysis and nuclear magnetic resonance, electron paramagnetic resonance, rotational, Mossbauer, vibrational, electronic absorption, photoelectron spectroscopies. The application of these techniques to the characterization and determination of inorganic substances is the emphasis of the course.

CE-432 Advanced Analytical Chemistry Credits: 3
Prerequisite(s): CE-322 passed with a grade of C- or higher.
Term Offered: All Terms
Course Type(s): None
This course examines modern analytical techniques with special emphasis on gas chromatography (GC), liquid chromatography (LC) and capillary electrophoresis (CE) in terms of basic principles, instrumentation, method development and practical applications. Mass spectrometry (MS) and ion mobility spectrometry (IMS) are also extensively explored as detection techniques for GC (GC-MS and GC-IMS), LC (LC-MS), and CE (CE-MS). Multidimensional separations (LC x LC & GC x GC) and their practical applications are also examined. A combination of traditional lecture notes, textbook readings and published peer-reviewed scientific literature will be used to explore and discuss topics. The course also involves case studies on analytical method development, data interpretation and applications of analytical techniques covered as well as visits to or tours of facilities with sophisticated analytical instrumentation relevant to the course.

CE-452 Advanced Organic Chemistry Credits: 3
Prerequisite(s): CE-242 and CE-242L both passed with a grade of C- or higher
Term Offered: Spring Term
Course Type(s): None
Selected topics of modern, theoretical, organic chemistry.

CE-454 Advanced Biochemistry Credits: 3
Prerequisite(s): CE-333
Term Offered: Spring Term
Course Type(s): None
Advanced Biochemistry provides a deeper focus on the biochemistry of several diseases as well as medical biochemistry while building upon the concepts learned in the prerequisite biochemistry course (CE-333). Using current publications to support content, topics such as gene therapy, various blood test works will be discussed. Topics of the biochemistry of Cancer, AIDS and Aging will also be covered.

CE-460 Electrochemical Methods Credits: 3
Co-requisite(s): CE-341
Term Offered: Spring Term
Course Type(s): None
Theory and applications of electrochemical analysis: electrode processes, thermodynamics and kinetics of electrode reactions, controlled potential and controlled current microelectrode techniques, and bulk electrolysis.

CE-475 Computational Chemistry and Molecular Modeling Credits: 3
Prerequisite(s): CE-341 and CE-341L both passed with a grade of C- or higher
Term Offered: Spring Term
Course Type(s): None
Principal methods and techniques used to study organic molecules and biomolecules by computational methods. Interpretation of chemical data with the aid of a computer. Atomic and molecular orbitals, force fields, molecular dynamics, and molecular modeling and drug design.

CE-484 Methods Development and Statistical Process Control Credits: 4
Prerequisite(s): CE-432 and MA-151 both passed with a grade of C- or higher.
Term Offered: All Terms
Course Type(s): None
Concentrates on methods development in the analytical laboratory with applications in phamaceutical, food product, cosmetics, and environmental testing. This course focuses on methods development and optimization to satisfy regulatory and customer requirements, validating analytical methods, application of newer analytical methods, and those involved in quality control, quality assurance, and quality assessment. Discusses regulatory framework and requirements including FDA, WHO, and ICH examples. Focus includes development and use of statistical process control as tools to improve quality and productivity.

CE-486 Medicinal Chemistry Credits: 3
Prerequisite(s): CE-241 and CE-242
Term Offered: Spring Term
Course Type(s): None
A Medicinal Chemistry course in which you will learn about the application of chemistry to the discovery, design and synthesis of new drugs. Medicinal chemistry is an interdisciplinary science. Its successful application to new drug discovery and development involves knowledge of organic chemistry, biology, physiology, microbiology, biochemistry, pharmacology and medicine among others. Topics that will be covered in this course include: structure and function of biological targets (proteins, enzymes, receptors and DNA/RNA); sources of new drugs from nature or synthesis; methods used to identify relevant structural features for biological activity; fate of a drug in the body and interaction with its biological target (pharmacokinetics and pharmacodynamics); strategies for drug design and case studies.

CE-489 Internship in Chemistry Credits: 1-3
Prerequisite(s): CE-221, CE-221L, CE-242, CE-242L, an overall GPA of 2.00, fifteen credits completed at Monmouth University, and approval by the Department of Chemistry
Term Offered: Spring Term
Course Type(s): EX1
Provides an opportunity to apply chemical concepts and skills learned in lecture and laboratory to work-related experiences. Students and faculty sponsors will identify internship opportunities. Students will work forty hours per credit per semester in their internship positions. Students will maintain journals of their internship experiences and write reports demonstrating how their internship experiences helped them achieve the learning objectives identified at the start of the internships. This is a pass/fail course.

CE-498 Special Topics in Chemistry (400 Level) Credits: 1-3
Prerequisite(s): CE-242 or as announced in the course schedule
Term Offered: Spring Term
Course Type(s): None
An intensive study of a particular subject or problem in chemistry to be announced prior to registration. May be conducted in a lecture, seminar, or laboratory format.

CE-499 Independent Study in Chemistry Credits: 1-3
Term Offered: All Terms
Course Type(s): None
Original research work planned and carried out with the assistance of a faculty research advisor. The number of course credits will be arranged with the advisor. Three hours per credit. Prior permission of the directing professor and department chair is required to take this course.

CE-499T Independent Study in Chemistry Credits: 3
Term Offered: All Terms
Course Type(s): None
Original research work planned and carried out with the assistance of a faculty research advisor. Prior permission of the directing professor and department chair is required to take this course.

Communication (CO)

CO-100 Communication Foundations Credits: 3
Term Offered: All Terms
Course Type(s): None
An introduction to the Communication discipline and its central questions. Students will examine the applications of Communication knowledge in the world and explore key contemporary issues and debates within the field.

CO-102 Radio Production Credits: 3
Term Offered: All Terms
Course Type(s): COSPT
Basic principles of radio broadcasting, with emphasis on pre-production, planning, and audio production techniques.

CO-106 Listening Credits: 3
Term Offered: Fall Term
Course Type(s): None
Practice listening skills in a variety of personal, academic, and professional contexts. Applying current research in listening theory. Understanding and appreciating the importance of listening every day and for a lifetime.

CO-120 Interpersonal Communication Credits: 3
Term Offered: All Terms
Course Type(s): None
The principles and fundamentals of human oral communication in person-to-person and small group environments; the process of encoding and decoding messages, language usage, listening, and feedback.

CO-145 Introduction to Video Production Credits: 3
Term Offered: All Terms
Course Type(s): IM
Introduction to basic video production equipment, production processes, and approaches to the creation of time-based video content. No previous video course work or experience is required. This course will demonstrate a wide variety of practical and critical tools that will help you gain a meaningful understanding of how video products are made, how to work with others in production teams, and how to work in front of and behind cameras to create and produce content.

CO-155 Media Literacy Credits: 3
Term Offered: All Terms
Course Type(s): None
Introduces students to a range of critical thinking skills for use when encountering media materials, including television, radio, print, and Internet resources. Students will develop an understanding of the complex functions of the mass media industries and an understanding of the aesthetic, emotional, cognitive, and moral choices involved in interpreting media messages.

CO-201 Producing Live Radio **Credits: 3**
Prerequisite(s): CO-102
Course Type(s): CORTA
Principles of radio interviewing, storytelling, and live music production will be covered, with an emphasis on pre-production, planning, and on-air techniques. A central focus of this class is to prepare students for creative work in radio. This class will require on-air performance on WMCX.

CO-204 Introduction to Media Writing **Credits: 3**
Term Offered: All Terms
Course Type(s): None
The course introduces the diverse field of media writing and integrates a comprehensive scope of the various skills required of today's effective writer. Class sessions will offer students practical and critical tools designed to develop a range of writing styles and techniques while introducing related applications and career opportunities. Lab assignments and writing projects will integrate the tools explored in class.

CO-205 Topics in History of Sports and Media **Credits: 3**
Term Offered: Fall Term
Course Type(s): COSPT
Examines the development and evolution of selected sports and fields of athletic endeavor primarily in the United States. Students will gain knowledge of various sports, how media has covered and influenced these sports, and how those sports have impacted and influenced American culture and society. This course is repeatable for credit.

CO-206 Issues in Sports Media **Credits: 3**
Term Offered: Spring Term
Course Type(s): COSPT
Students examine the way that the media covers, analyzes, and critiques sports and sports issues. Media and sport have become two powerful and influential forces in society today. This class will demonstrate how the two have become irrevocably intertwined.

CO-210 Voice and Diction **Credits: 3**
Term Offered: All Terms
Course Type(s): COACM, COCSD, CORTA
Analyzes voice, vocal production, articulation challenges, and cultural influences; Utilizes creative practices to improve vocal confidence, clarity, quality, variety, flexibility, and range.

CO-211 Introduction to Journalism **Credits: 3**
Term Offered: All Terms
Course Type(s): COSPT
Explores how concepts of news are changing and develops a hands-on understanding of the way news is created. Course covers basic journalism techniques and standards.

CO-215 Newswriting **Credits: 3**
Prerequisite(s): CO-211; and EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): WT
Advanced theory and practicum involving newswriting and reporting.

CO-216 Journalism/PR Career Preparation **Credits: 1**
Term Offered: All Terms
Course Type(s): None
Instructs Communication majors how to effectively pursue opportunities for employment, professional training, and internships. It is designed specifically for Communication students emerging as professionals in the fields of Journalism and Public Relations.

CO-217 Radio/Television Career Preparation **Credits: 1**
Term Offered: All Terms
Course Type(s): None
Instructs Communication majors how to effectively pursue opportunities for employment, professional training and internships. It is designed specifically for Communication students studying Radio and Television.

CO-218 Communication Studies Career Preparation **Credits: 1**
Term Offered: All Terms
Course Type(s): None
Prepares Communication Studies concentration students how to effectively pursue opportunities for employment, career development and professional training in the field of Communication.

CO-220 Public Speaking **Credits: 3**
Term Offered: All Terms
Course Type(s): None
An introduction to the principles and practices of effective public speaking, using traditional rhetorical principles as applied in the composition and delivery of various types of speeches.

CO-221 Introduction to Digital Media **Credits: 3**
Term Offered: All Terms
Course Type(s): IM, TL
Provides the skills and theoretical context to produce, manage and optimize digital media to create dynamic and engaging websites, broadcast graphics and imagery for presentations. The course uses in class lectures, hands-on demonstrations, directed readings and discussions to help students understand the parameters of their digital tools and make high quality, socially engaged work. This course is repeatable for credit.

CO-222 User Experience and Interaction Design **Credits: 3**
Term Offered: All Terms
Course Type(s): CORTW, IM
Guides students through research, planning, and designing of interactive, transmedia, web, mobile, and gaming formats and platforms. Topics covered include computer-mediated communication, transmedia storytelling, information architecture for digital experiences, human computer interfaces, wireframes, and web and mobile device prototyping.

CO-223 Argumentation and Debate **Credits: 3**
Prerequisite(s): HU-201 or permission of the instructor
Term Offered: Spring Term
Course Type(s): COACM, COCSD
The principles of argumentation and their application in the debate situation; the nature and structure of reasoning, the types of evidence, the construction of briefs, and the researching of debate propositions.

CO-224 Introduction to Mass Communication **Credits: 3**
Term Offered: All Terms
Course Type(s): None
The historical development and functions of mass media, such as radio, television, print, and film.

CO-225 Business and Professional Communication **Credits: 3**
Term Offered: All Terms
Course Type(s): RD
Principles and techniques for oral and written communication skills within the business and professional situations; emphasis on job interviewing with resumes and cover letters, professional emails and social media posts, informative and persuasive presentations, and listening skills.

CO-226 Intercultural Communication **Credits: 3**
Term Offered: All Terms
Course Type(s): BI.EL, CD, RE
The process of communication between people of different cultures; the influences of culture on communicative messages and meanings.

CO-231 Multicultural Voices: From Page to Stage **Credits: 3**
Term Offered: Spring Term
Course Type(s): COACM, COCSD
Explores contemporary multicultural voices through published short stories and poetry, including slam poetry/spoken word and new forms of digital literature. Using performance of literature as a method of analysis and presentation, students will also consider enactments of identity through diverse perspectives on race/ethnicity, gender, sexuality, class, ability, and nationality.

CO-233 Rhetoric and Persuasion **Credits: 3**
Term Offered: All Terms
Course Type(s): None
A humanistic examination of rhetorical communication. Surveys rhetorical theory from classical to modern times with particular application to its importance in civic life. Introduces the practice of rhetorical criticism of written, spoken, visual, and digital media texts.

CO-234 Climate Communication **Credits: 3**
Course Type(s): RD
An examination of the role of communication in environmental science, activism, and policy. Topics include the challenges of communicating about science, risk communication, and environmental advocacy campaigns. These concepts will be put into practice through the study of argumentation practices and the performance of original, researched-based presentations.

CO-235 Sports Broadcasting **Credits: 3**
Prerequisite(s): CO-102 or CO-145
Term Offered: All Terms
Course Type(s): COSPT
Prepares students for an internship at a public or commercial radio station or an entry-level position. Students will learn how to gather, organize, write, report, and broadcast radio sports.

CO-236 Sports Reporting **Credits: 3**
Term Offered: Spring Term
Course Type(s): COSPT
Introduction to the field of sports journalism, which includes standardized news writing techniques as well as feature writing.

CO-240 Smartphone Video Production **Credits: 3**
Term Offered: Fall Term
Course Type(s): CORTP
Teaches students how to use their smartphones to produce high-quality videos which they can then share with a large and diverse online community. From the development of an idea and importance of pre-production planning to the final stages post-production and marketing, this class will guide students through the entire process of creating and sharing visual media.

CO-241 Introduction to Screen Studies **Credits: 3**
Term Offered: All Terms
Course Type(s): COSS, IM
Introduction to the disciplined study of the Screen Arts - motion picture film, television, video, and digital multimedia - with respect to the operation of the various elements of sound and image as they operate within the text of the visual work screened. Includes screening and discussion of various representative works.

CO-242 Creating Good Radio **Credits: 3**
Prerequisite(s): CO-102
Term Offered: Spring Term
Course Type(s): CORTP
Broadcasting as effective communication; practical experience in writing, producing, directing, and performing in radio programs; critical analysis of various professional broadcasts.

CO-243 History of the Motion Picture **Credits: 3**
Term Offered: Spring Term
Course Type(s): COSS
An introduction to the major phases of motion picture history from its origins to the present, including screenings and discussions of major film movements, technological innovations, and landmark directors.

CO-246 Studio-Based Video Production **Credits: 3**
Prerequisite(s): CO-145
Term Offered: All Terms
Course Type(s): CORTP
The application of aesthetic theory and production principles via video assignments produced in a production studio and control room. Emphasis is placed upon the professional crew positions to provide both a deep and wide-range of technical mastery. Experiences in this course prepare students for work in studio news, sports broadcasting, video podcasting, greenscreen work, Youtube channels, social media reels, and broadcast-style formats.

CO-247 Live TV Sports Production **Credits: 3**
Term Offered: Fall Term
Course Type(s): CORTP, COSPT
Hands-on introduction to the process of producing live television sports broadcasts. Students will examine each of the staff positions, and will serve in many of them as crew for the TV sports broadcasts on campus.

CO-250 Global Communication **Credits: 3**
Course Type(s): BI.EL, COJPR, COJPT, COPRT, GU, RE
Introduces students to the various aspects of global communication, primarily media communication, journalism, and public relations. Particular emphasis will be on the categories of difference such as gender, race, class, and ethnicity. Global communication is reshaping economic, social, cultural, and political aspects of our lives nationally and internationally. Hence, in this course students will explore essential components of global communication, emphasizing shifts in national, regional, and international media patterns and trends including production, distribution, and consumption.

CO-262 Co-Curricular Practicum in Radio **Credits: 1**
Prerequisite(s): CO-378 or permission of the instructor
Term Offered: All Terms
Course Type(s): None
Credit for specified assignments at the University radio station, WMCX, is awarded after a term-end evaluation by the instructor of the project agreed upon with the student. May not count toward major requirements. May be repeated for a total of six credits; limited to students active at the radio station for at least one semester.

CO-263 Co-Curricular Practicum in Television **Credits: 1**
Term Offered: All Terms
Course Type(s): None
Credit for specified assignments at the University television station is awarded after a term-end evaluation by the instructor of the project agreed upon with the student. May not count toward major requirements. May be repeated for a total of six credits; limited to students active at HAWK TV for at least one semester. Instructor permission is required to take this course.

CO-264 Co-Curricular Practicum in Journalism **Credits: 1**
Term Offered: All Terms
Course Type(s): None
Credit for specified assignments at the University newspaper is awarded after a term-end evaluation by the instructor of the project agreed upon with the student. May not count toward major requirements. May be repeated for a total of six credits; limited to students active at The Outlook for at least one semester. Instructor permission is required to take this course.

CO-265 Co-Curricular Practicum in Public Relations **Credits: 1**
Term Offered: All Terms
Course Type(s): None
Credit for specified public relations assignments for the Public Relations Student Society of America (PRSSA), University Clubs and Associations, and/or the University Communication Department is awarded after a term-end evaluation by the instructor of the project agreed upon with the student. May not count toward major requirements; may be repeated for a total of six credits. Instructor permission is required; limited to students active with PRSSA for at least one semester; students may also gain entry with previous experience on a public relations event/project and provide tangible evidence to advisor.

CO-266 Co-Curricular Practicum in CommWorks **Credits: 1**
Prerequisite(s): 3 credits from a course with a course type of COCSD or permission of the instructor
Term Offered: All Terms
Course Type(s): None
Credit for specified performance assignments with CommWorks (Students Committed to Performance) and, by extension, the University Communication Department is awarded after a term-end evaluation by the instructor of the project agreed upon with the student. May not count toward major requirements. May be repeated for a total of six credits; limited to students active in CommWorks for at least one semester. Students may also gain entry with previous substantial experience in performance, theatre, and/or forensics; student must provide tangible evidence to the advisor.

CO-267 Co-Curricular Practicum in MOCC **Credits: 1**
Term Offered: All Terms
Course Type(s): None
One credit for specified assignments with MOCC and by extension the University Communication Department is awarded after a term-end evaluation by the instructor of the project agreed-upon with the student. The course may not count toward other major requirements. May be repeated for a total of six credits. Permission of the instructor is required to take this course.

CO-268 Co-Curricular Practicum in HawkInteractive **Credits: 1**
Term Offered: All Terms
Course Type(s): None
This practicum serves as an opportunity for students to further develop their interactive media skills, work as part of a design team, and to grow their media portfolio with a focus on to the emerging media tools and platforms. Credit for specified assignments as part of Hawk Interactive Student Media Organization is awarded after a term-end evaluation by the instructor of the project agreed upon with the student. Hawk Interactive projects and activities make use of the IDM Research Lab, an experimental, digital media laboratory which is academically affiliated with and supported by the Department of Communication. The course may be repeated for a total of six credits; limited to students active in the Hawk Interactive Organization for at least one semester. Instructor permission is required to take this course.

CO-271 Ethics, Justice and American Prisons **Credits: 3**
Prerequisite(s): SO-101 and instructor approval
Term Offered: Fall Term
Course Type(s): SJS
Explores the rise of mass incarceration in the United States, with a critical look at the ethical, socio-cultural, political and economic factors that shape the American prison system today. The course is also the gateway course to The Monmouth University Academic Exchange Program, also referred to as MU-AEP, a collaborative effort between Monmouth University and the New Jersey Department of Corrections. This program, of which this course is a requirement, is offered by Monmouth University to help to facilitate a transformative exchange of ideas and perspectives between incarcerated students and non-incarcerated students and non-incarcerated students inside the New Jersey state prison. Also listed as SO-271.

CO-272 Real People Reel Stories **Credits: 3**
Term Offered: Spring Term
Course Type(s): COACM, CORTP, EX5
Learning to tell a story through video testimonies/interviews. Socially conscious topics will be chosen from quality of life issues being explored by our new on-campus Polling Institute or those presented by community aid organizations. Instructor permission is required to take this course.

CO-275 Performance for Broadcasting **Credits: 3**
Prerequisite(s): CO-102
Term Offered: All Terms
Course Type(s): CORTA
The fundamentals of radio announcing will be stressed along with station orientation. The student will develop strong vocal skills for a variety of radio personalities over the air.

CO-289 Internship in Communication **Credits: 3**
Prerequisite(s): CO-216 or CO-217 or CO-218, departmental approval , and Junior standing
Term Offered: Summer Term
Course Type(s): EX1
Supervised, practical experience in communication (radio, television, public relations, journalism, and human communication); emphasis on the application of discipline specific technologies and theories in a professional environment directly related to one's course of study.

CO-290 Media Law **Credits: 3**
Term Offered: All Terms
Course Type(s): COCST, COJPT, COPRT, CORTT
How the mass media is constrained and protected by the law and court interpretation. Overview will focus on libel, copyright, obscenity, free press, and other legal/illegal aspects of mass communication. Also listed as PS-290.

CO-292 Communication Research Methods **Credits: 3**
Prerequisite(s): CO-100, MA-105 and at least 6 credits in Communication
Term Offered: All Terms
Course Type(s): None
Introduction to the use of the scientific methods, various research approaches, and application of both qualitative and quantitative methods for application in the field of communication.

CO-293 Social Media **Credits: 3**
Term Offered: All Terms
Course Type(s): COJPR, COJPT, COPRT, IM
An interactive, intensive study of social media with regard to the field of public relations. Students will be introduced to new contexts and forms of social media, an ever-growing area of study.

CO-295 Introduction to Public Relations **Credits: 3**
Term Offered: All Terms
Course Type(s): COSPT
A comprehensive survey of the field of public relations. Emphasis on the evolution, role, functions, and scope of public relations in American society.

CO-296 Digital Fundraising and Events **Credits: 3**
Prerequisite(s): CO-295
Term Offered: Spring Term
Course Type(s): COJPR, COJPT, COPRT, COSPT
Designed to provide an introduction to the practice, programs, and publics of fund raising. Development of a fund raising campaign will be produced for a nonprofit client. Written and oral communication skills essential to the professional fund raiser will be practiced in class and through assignments. May be offered in a hybrid format (partially online).

CO-298 Special Topics in Communication (200 Level) **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
An intensive study of a particular subject or problem in communication to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

CO-299 Independent Study in Communication **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
Guided research on selected topics in Communication. Prior permission of the directing professor and department chair is required to take this course, along with demonstrated ability in the proposed area of concentration.

CO-300 Co-Curricular Practicum in Service Learning **Credits: 1**
Prerequisite(s): Two 200+ level courses in Communication, permission of the instructor, and a minimum G.P.A. of 2.50
Term Offered: Spring Term
Course Type(s): None
One credit is awarded for service learning work with a community partner and a faculty supervisor. Service projects are framed by academic material from the Communication Studies concentration proposed by the student. Student learning is facilitated through reflection writing. The course may not count toward other major requirements. Permission of the instructor, and a minimum G.P.A. of 2.50 are required to take this course.

CO-301 Topics in Communication Theory and Research **Credits: 3**
Prerequisite(s): CO-292, EN-101, EN-102, and eighteen credits in Communication; or permission of the instructor
Term Offered: All Terms
Course Type(s): WT
Explores a specialized topic or paradigm in Comm. Theory and Research. The course will include deep exploration of the discipline-specific theories and research methods for understanding an studying the focal topic.

CO-303 Creating a Culture of Peace **Credits: 3**
Term Offered: Spring Term
Course Type(s): COCST, COJPT, COPRT
An introduction to theories of nonviolent communication, the use of practical communication skills for nonviolent conflict resolution, and applications of nonviolent communication in historical and contemporary peace movements.

CO-304 Onstage and in the Streets: Performance and Culture **Credits: 3**
Course Type(s): CD, COCSD, COCST
Introduction to understanding diverse popular performance practices as unique and contested expressions of culture and identity. Studying human performances within everyday life, in public spaces, and through cultural rituals, street theatre, and professional productions, a variety of contemporary theories, methods, and critical issues are considered within the fields of communication, theatre, performance, and cultural studies. Students must be enrolled in the Study Abroad program in Cadiz, Spain. Also listed as FS-304.

CO-306 Interactive Media Productions **Credits: 3**
Prerequisite(s): CO-221
Course Type(s): CORTA, IM
This course uses audio, video, augmented, and virtual reality technologies in creative and professional production contexts. Traditional techniques from Communication, Media, & Performance Studies will be applied to new technologies to develop a series of Mixed Reality Performances. Students will collaborate on solo and group exercises that will culminate in a final creative project. Narrative, storytelling, marketing and design, worldbuilding, and embodiment will be foundational topics in this course.

CO-309 Family Communication **Credits: 3**
Term Offered: All Terms
Course Type(s): COACP, COCSP, COCST
Explores couple and family communication processes. Focuses on how individuals use interaction to establish, maintain, and change personal, romantic and family relationships.

CO-311 Communication Ethics **Credits: 3**
Term Offered: All Terms
Course Type(s): None
An introduction to communication ethics and related contemporary issues intended to support students in making principled communication decisions.

CO-313 Digital Media Writing **Credits: 3**
Prerequisite(s): CO-295
Term Offered: All Terms
Course Type(s): None
A study into the fundamentals of effective public relations writing, including production of media releases, position papers, and media kits. The course focuses on writing style and technique, along with form and distribution methods.

CO-315 Making the Short Film **Credits: 3**
Prerequisite(s): CO-145
Term Offered: Fall Term
Course Type(s): CORTP
Students will be given the opportunity to study and apply both the technical and aesthetic principles of film and video production, in addition to examining the characteristics of successful short narrative films. Students will enhance their skills in visual storytelling by developing and producing three short films to screen on both the big and small screen.

CO-317 Civic Journalism **Credits: 3**
Prerequisite(s): CO-211
Term Offered: Spring Term
Course Type(s): COJPW, COPRM, EX5
News with a community service attitude. Gain hands-on experience through speakers, field trips, interviews, and involvement with local issues. Students write civic journalism news stories and host a community symposium to encourage dialogue among diverse community groups.

CO-318 Topics in Film **Credits: 3**
Term Offered: All Terms
Course Type(s): COCST, CORTT, COSS
Explores in-depth a specialized topic relevant to film and cultural studies. The topic changes each time the course is taught and may include a particular film director, genre or historical period. This course is repeatable for credit.

CO-320 Small Group Communication **Credits: 3**
Course Type(s): COACM, COCST, EX3
Students explore academic perspectives on the process of group communication, leadership, conflict, decision-making, and problem solving, then reflect on and apply these perspectives outside the classroom in the context of a service learning project. Also listed as SO-320.

CO-321 Nonverbal Communication **Credits: 3**
Term Offered: All Terms
Course Type(s): COACM, COCST
We constantly communicate without words. We interpret and respond to people around us based on their communication with or without words. How we dress, the eye contact we do or do not make and the reason(s) why, whether we meet "on time" or "noon-ish," how we greet and part company, and many more nonverbals provide numerous, simultaneous channels of information exchange. Nonverbal Communication explores a range of communication types and channels, including kinesic, haptic, proxemic, vocalic, and chronemic forms of communication. Students learn not only how we use and interpret meaning within the nonverbal realm, but also how to more effectively manage their own enactment and impression management across the vast array of signals being sent and received nonverbally. Application of nonverbal communication includes romantic relationships, careers, and media contexts.

CO-323 Persuasion **Credits: 3**
Prerequisite(s): CO-100 or CO-233, or permission of the instructor
Term Offered: Spring Term
Course Type(s): COACP, COCSP, COCST
Concepts and principles of communicative messages that influence thoughts, attitudes, and behavior; roles of source, message, channel, and receiver.

CO-326 Advanced Sports Broadcasting **Credits: 3**
Prerequisite(s): CO-235
Term Offered: Spring Term
Course Type(s): COSPT
Explores in-depth the role that a broadcaster takes on covering teams and events as a play by play announcer or sideline reporter.

CO-327 Civic Participation **Credits: 3**
Prerequisite(s): CO-100, CO-120 and CO-225
Term Offered: Spring Term
Course Type(s): COACP, COCSP, COCST
Explores how public communication shapes and reinvigorates civic participation, offering ways of understanding and resolving civic problems in democratic societies.

CO-328 Sports and Public Relations **Credits: 3**
Prerequisite(s): CO-295
Term Offered: All Terms
Course Type(s): COJPR, COSPT
Sports in Public Relations is designed to provide a comprehensive overview of public relations opportunities within the sports industry. This course will explore a detailed look at all elements of sports public relations including media relations, crisis management, ethics, events and promotions, and the internet and social media. Students will gain a thorough understanding of the work PR practitioners perform for colleges, second-tier sports, major professional teams and non-profit organizations.

CO-329 Sports and Film **Credits: 3**
Term Offered: All Terms
Course Type(s): COSPT
Explores in-depth the role that sports and film play in society using different themes and teaching different life lessons. This course is repeatable for credit once.

CO-330 News Editing **Credits: 3**
Prerequisite(s): CO-211 or CO-295
Term Offered: Spring Term
Course Type(s): COJPW, COPRM
Copy-editing techniques for reviewing and improving news writing.

CO-333 Multimedia Journalism **Credits: 3**
Prerequisite(s): CO-211
Course Type(s): COJPR, COJPW, COPRM, IM
Explore the world of electronic information from a journalist's perspective. Learn to use and evaluate electronic resources including search engines, e-mail, news groups, directories, and databases for reporting news. Covers reporting and composing news stories for online publication and the legal and ethical questions raised by online news.

CO-335 Group Techniques in Performance **Credits: 3**
Term Offered: Spring Term
Course Type(s): COACM, COCSD
Various theories and techniques used in group performances with a concentration on Readers Theatre and Chamber Theatre; selected literature is arranged, analyzed, and performed. Also listed as TH-335.

CO-337 Performance Theory and Practice **Credits: 3**
Term Offered: Spring Term
Course Type(s): COACM, COCST
The study of performance offers students the opportunity to explore the power of performance in its diverse forms in both theory and practice. Students will experience a wide variety of performance contexts, including performances of self in everyday life, performances of culture, performances of literature, and socially engaged, original performance art.

CO-338 Video Post-Production **Credits: 3**
Prerequisite(s): CO-145
Course Type(s): CORTP, IM
Students will learn advanced techniques of video editing, sequencing, combining practical and special effects (SFX), color correction, metadata, and file preparation for distribution and release.

CO-339 Voiceover Workshop **Credits: 3**
Prerequisite(s): CO-102 or permission of instructor.
Term Offered: Fall Term
Course Type(s): CORTP
This course presents the announcing, production, and marketing skills needed for the professional voiceover industry. You will learn a variety of presentational styles of voiceover applicable to all mediums; expand on previous audio production knowledge; and develop skills to market oneself effectively to stand-out in a competitive pool of voiceover artists and actors.

CO-340 Writing the Review **Credits: 3**
Prerequisite(s): CO-211 or permission of the instructor and EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): COJPR, COJPW, COPRM, COSS, WT
The process of writing newspaper opinion pieces on film and theatre presentations.

CO-342 Editorial Writing **Credits: 3**
Prerequisite(s): CO-211 or permission of the instructor and EN-101 and EN-102 or permission of the instructor
Term Offered: Fall Term
Course Type(s): COJPR, COJPW, COPRM, WT
Editorial writing is the style of persuasive writing found on a newspaper's editorial pages, in online and print magazines, and in scripting some radio and television talk shows. Students will gain experience in doing research into current trends and events, persuasive writing, and exploring the multiple sides to an argument.

CO-343 Performance and Social Activism **Credits: 3**
Term Offered: Spring Term
Course Type(s): COCSD
Students survey the recent history, theories, and methods of creative activist performance and produce original performances that function as embodied visions of social change and/or resistance to social norms. Emphasis is placed on representations of gender, race/ethnicity, sexuality, class, ability, etc. as well as structural inequalities and social injustice.

CO-344 Games and Worldbuilding **Credits: 3**
Prerequisite(s): CO-221
Course Type(s): COMCS, CORTT, IM
This course presents theories of interaction, narrative, and game play. Students will situate such theories in terms of the historical, business, and socio-cultural considerations of interaction and gaming as they learn theoretical tools for understanding interactive narrative structures. Students will learn to analyze and parse game content for storytelling devices, mise-en-scène, game mechanics, player motivations, interactivity, and playability facets. Students will also collaboratively conceptualize and describe characters, levels, and worlds and engage with design theories to analyze and prototype transmedia narratives, paratext, mechanics, and interactive exchanges.

CO-345 Producing & Directing Video **Credits: 3**
Prerequisite(s): CO-145
Term Offered: Spring Term
Course Type(s): COMCS, CORTP
This course focuses on the executive roles of producers, directors, and showrunners in the crafting of film and video from concept to streaming distribution. Producers and directors lead projects through the various phases of completion forming agreements along the way. Students will delve into the various kinds of positions and crews that may be associated with visual projects. This course will prepare entry-level practitioners to read and prepare production documentation and have familiarity with the workflow and relationships within visual production.

CO-346 Documentary Film and Video **Credits: 3**
Term Offered: All Terms
Course Type(s): CORTW, COSS
An introduction to the history and development of documentary film and video, with screenings and discussions of examples of works from the major movements in documentary, and small group production of an original documentary.

CO-347 Advanced TV Sports Production **Credits: 3**
Prerequisite(s): CO-247
Course Type(s): CORTP, COSPT
Hands-on advanced study of the process of producing live and live-on-tape television sports broadcasts. Students will study each of the crew positions, and will serve in many of them as crew for the TV sports broadcasts on campus.

CO-348 Advanced Digital Media **Credits: 3**
Prerequisite(s): CO-221
Course Type(s): COMCS, CORTP
Building on introductory digital skills, students will advance and expand their knowledge of digital media techniques and workflows while conceptualizing and producing transmedia digital projects. Topics and techniques covered in the course include: motion tracking for video production, drone videography, sound design for visual media, compositing special/practical effects, batch encoding for transmedia, computer scripting for media post-production, interactive visualizations, brand activation, and game asset design.

CO-350 Broadcast Newswriting and Reporting **Credits: 3**
Prerequisite(s): CO-145
Term Offered: Spring Term
Course Type(s): CORTW
Writing and reporting techniques for broadcast news; the process of news preparation from leads or sources through copy preparation, to on-air delivery.

CO-351 Broadcast Copywriting **Credits: 3**
Prerequisite(s): CO-102 or CO-145
Term Offered: All Terms
Course Type(s): CORTW
Practical application of creative writing for radio and television.

CO-352 Broadcast News Operation **Credits: 3**
Term Offered: All Terms
Course Type(s): CORTP
Overview of TV studio and newsroom operations with an emphasis on news writing, field reporting and studio production. Students will produce news content, green screen commentaries and specialized packages. Class sessions will provide students with practical and critical tools that will help them gain a better understanding of how compelling, informative content is constructed for broadcast and online news. Open to all majors.

CO-357 Acting for Television **Credits: 3**
Prerequisite(s): TH-154
Term Offered: Spring Term
Course Type(s): CORTA
Techniques that the on-camera performer uses in various TV situations, commercials, daytime drama, situation comedy, and serious drama. Also listed as TH-357.

CO-360 Feature Writing **Credits: 3**
Prerequisite(s): CO-211 or permission of the instructor; Junior standing, and EN-101 and EN-102 or permission of the instructor
Term Offered: Spring Term
Course Type(s): COJPR, COJPW, COPRM, WT
The process of developing ideas into feature stories.

CO-365 Screenwriting **Credits: 3**
Prerequisite(s): CO-155 or permission of the instructor
Term Offered: All Terms
Course Type(s): CORTW, COSS
Writing techniques for film and television, with an emphasis on the process of screenwriting, from concept to completion and revision, as well as marketing scripts written for the screen.

CO-367 Media Analysis **Credits: 3**
Prerequisite(s): CO-155; and EN-101 and EN-102 or permission of the instructor
Term Offered: Spring Term
Course Type(s): CORTT, WT
Analysis and critical examination of the content of mass media.

CO-368 Applied Ethics in American Prisons **Credits: 3**
Prerequisite(s): SO-271 or CO-271
Term Offered: Spring Term
Course Type(s): SJS
The second in the sequence of the Monmouth University Academic Exchange Program, a collaborative effort between Monmouth University and the New Jersey Department of Corrections. This program, of which this course is a requirement, is offered by Monmouth University to help to facilitate a transformative exchange of ideas and perspectives on the topics of ethics and social issues between incarcerated students and non-incarcerated students inside a New Jersey prison. Also listed as SO-368.

CO-372 Podcasting **Credits: 3**
Prerequisite(s): CO-102
Term Offered: Fall Term
Course Type(s): CORTP
A hands-on study of alternative broadcast mediums and their relation to social media and audience studies. Examples will include Podcasting specifically, with discussion on Internet radio, LPFM, Ham Radio and Pirate radio.

CO-373 Music Promotion **Credits: 3**
Term Offered: Spring Term
Course Type(s): CORTT
A critical examination of the inner workings and business strategies that exist within the symbiotic relationship between the radio and music industry. Topics of discussion include: payola, marketing, promotion, indecency/obscenity, political economy theory, gate-keeping theory, subculture theory, and audience-making theories. Students must have Junior or higher standing to take this course.

CO-374 Radio Programming and Promotion **Credits: 3**
Prerequisite(s): CO-102
Course Type(s): CORTP
Overview of the principles of radio programming and promotions: formats, FCC rules, ratings, on-air experience, theories, and music selection choice will all be stressed. The class will produce programming and promotions to be aired on Monmouth's radio station, WMCX.

CO-375 Television Criticism **Credits: 3**
Prerequisite(s): CO-155; and EN-101 and EN-102 or permission of the instructor
Term Offered: Spring Term
Course Type(s): CORTT, WT
Analysis and critical examination of the content of television programs.

CO-376 Radio Station Management **Credits: 3**
Prerequisite(s): CO-102
Term Offered: Spring Term
Course Type(s): CORTT
Principles of management for radio stations. Discussions and practicum include: programming, promotions, sales, public relations, production, community relations, sports, and news.

CO-377 Radio Operation Practice **Credits: 3**
Prerequisite(s): CO-102 and permission of the instructor
Course Type(s): None
Seminar offered in summer only.

CO-378 Talk Radio **Credits: 3**
Prerequisite(s): CO-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): CORTA
Introduction to the preparation of documentaries, interviews, and phone-in talk shows. Students will produce a weekly show on WMCX.

CO-379 Advanced Radio Production **Credits: 3**
Prerequisite(s): CO-102 and CO-242, or CO-372 or CO-374
Term Offered: Spring Term
Course Type(s): CORTP
Advanced audio production techniques utilizing digital technology, with emphasis on the conception and realization of effective messages in radio broadcasting.

CO-380 Organizational Communication **Credits: 3**
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): COACP, COCSP, COCST, WT
Students will learn various techniques of understanding how people use communication to organize and coordinate their work. Sample discussion topics are: using social media for hiring decisions, dealing with workplace romances and sexual harassment, and managing conflict and emotions at work. Written assignments are decision- making case studies of real problems in actual organizations.

CO-381 The Power of Story **Credits: 3**
Term Offered: Spring Term
Course Type(s): COACM, COCSD, EX5
Story is the most powerful and oldest means of communication. Examines its significance in constructing and preserving culture. We focus on the oral art of storytelling, its history, theory, and practice, using a multicultural approach. Students will write, select, prepare, and perform stories from a variety of cultures and literary sources. Students will use learned performance skills in class and at off-campus locations. Junior standing or permission of the instructor is required to take this course.

CO-383 Gender, Race, and Media **Credits: 3**
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): COCSP, COCST, COJPR, COJPT, COPRT, CORTT, GS, NU.EL, RE, WT
Examines multiple understandings of masculinity, femininity, and ethnicity in contemporary society, emphasizing the influential role of the mass media. Students consider the sources of their own attitudes about gender and race and reflect on the personal, social, political, and economic consequences of these expectations.

CO-384 Seminar in Leadership Communication **Credits: 3**
Prerequisite(s): CO-220 or CO-225 or HU-201
Term Offered: All Terms
Course Type(s): None
An introduction to the study and practice of leadership from a communicating perspective. Particular focus on the relationship between communicating and leading. Examination of leadership concepts and theories in organizational, group, and public contexts. Students will analyze their personal leadership styles and develop leadership communication skills through team projects and classroom exercises.

CO-389 Internship in Communication **Credits: 1-3**
Prerequisite(s): CO-216 or CO-217 or CO-218, departmental approval, and Junior standing
Term Offered: All Terms
Course Type(s): EX1
Supervised, practical experience in communication (radio, television, public relations, journalism, and human communication); emphasis on the application of discipline specific technologies and theories in a professional environment directly related to one's course of study.

CO-390 Washington Center Internship **Credits: 7-12**
Course Type(s): EX5
This internship allows students in all majors to intern at government agencies, public service organizations, and business associations located in Washington, DC. Under the supervision of Washington Center supervisors and faculty, students gain substantive entry-level professional experience along with academic credit over the course of one semester. In general, students are required to intern in a government agency or public organizations four and a half days per week and attend educational seminars and workshops and participate in professional forums conducted by the Washington Center. In addition, students must complete learning objectives and assignments specified by Monmouth University faculty sponsors. Also listed as PS-390 and SO-390.

CO-392 Social Media **Credits: 3**
Term Offered: All Terms
Course Type(s): COJPR, COJPT, COPRT, IM, TL
An interactive, intensive study of social media with regard to the field of public relations. Students will be introduced to new contexts and forms of social media, an ever-growing area of study.

CO-393 Washington Center Course **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Students participating in a Washington Center Internship are required to enroll in a three credit seminar. A list of available courses is forwarded to all students prior to the beginning of the fall, spring, or summer term. Regular offerings include politics, professional communication, the fine and performing arts, and economics. Also listed as PS-393 and SO-393. Junior standing and a minimum G.P.A. of 2.50 is required to take this course.

CO-398 Special Topics in Communication and Theatre (300 Level) **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
An intensive study of a particular subject or problem in communication to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

CO-399 Independent Study in Communication **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
Guided research on selected topics in Communication. Prior permission of the directing professor and department chair is required along with demonstrated ability in the proposed area of concentration to take this course.

CO-402 Audience Studies **Credits: 3**
Prerequisite(s): CO-155
Term Offered: Spring Term
Course Type(s): CORTW, WT
This course explores audience studies methods for analyzing audiences of popular music genres, television shows, films, and videogames. The class utilizes various theoretical traditions (ideological, semiotic, economic, sociological, psychoanalytic, cultural studies, etc.), with a focus on their utility for interpreting the meanings of the aforementioned media phenomena and its relationship to society and everyday life. These conceptual tools will provide the basis for analyzing media phenomena and its relationship with audiences and fans. Combining theory with practice, the course emphasizes critical thinking and writing about media texts in its varied dimensions and forms.

CO-404 Responsive Media **Credits: 3**
Prerequisite(s): CO-145 or AR-181
Term Offered: Spring Term
Course Type(s): CORTP, IM
Students learn how to make interfaces for smart phones and tablets to create interactive audio and video. In addition, students will produce creative projects using data mapping, generative art and work collaboratively on a site-specific media project. Also listed as AR-404.

CO-409 Professional Media Writing **Credits: 3**
Term Offered: Spring Term
Course Type(s): CORTW
Provides an introduction to the diverse field of professional writing and integrates a comprehensive overview of the various skills required of today's freelance media writer. Class sessions will offer students practical and critical tools designed to develop a range of writing styles and techniques, while introducing related applications and career opportunities. Lab assignments and writing projects will integrate the tools explored in class. Students must have at least a Junior standing to take this course.

CO-412 Project Greenlight **Credits: 3**
Term Offered: All Terms
Course Type(s): COCSD, CORTT, COSS, IM
An orientation to career opportunities/advancement based on the successful pitch process necessary to achieve "greenlight" status for proposed media projects. Provides a comprehensive overview of new media formats, stages of media production, and related entertainment media technologies, products and services. Additionally, the course will examine the vital roles of producers and creative executives in these processes. Students will learn how to transform themselves from media consumers to media producers. No previous media-related training or experience is required. Students must have Junior standing to take this course.

CO-413 Advanced Public Relations Writing Layout and Design Credits: 3
Prerequisite(s): CO-295 and CO-313
Term Offered: Spring Term
Course Type(s): COJPR, COJPW, COPRM
Simulates a field public relations agency or department by providing students "real world" or field-applicable skills. An emphasis on media tools and production enables students to work in a fast-paced, deadline-intensive environment. The principles of communicating with media and specialized public audiences are core along with the preparation, production, and presentation of messages for mass consumption.

CO-414 Media Strategy Credits: 3
Prerequisite(s): CO-295 and CO-313, or permission of the instructor
Term Offered: All Terms
Course Type(s): COJPR, COJPW, COPRM
Application of public relations techniques to various communicative environments, communication problems, and crisis management.

CO-415 Public Relations Shark Tank Credits: 3
Prerequisite(s): CO-295
Term Offered: Fall Term
Course Type(s): COJPR, COJPT, COPRT
Examines, reviews, and predicts how corporate leaders solve today's public relations challenges. Curriculum focuses on existing field trends and evaluates effective, as well as ineffective, corporate strategies. Students develop an integral understanding of the vital role of public relations in successful profit and non-profit organizations. Students develop an understanding of the issues management process, identify and plan crisis administration programs, and implement public affairs communication. Student assignments include research, composition of case statements, position papers, solutions and evaluative methods involving publicity demands, special events, promotions, image problems, and other challenges.

CO-425 Political Communication Credits: 3
Prerequisite(s): CO-100 or CO-220 or permission of the instructor.
Term Offered: All Terms
Course Type(s): COCCL, COJPS
The impact of communication on political action. Persuasive strategies and mediated reality that affect political choices. Focus on the interpretation of political rhetoric and the role media plays in campaigns.

CO-427 Crisis and Issues Management Credits: 3
Prerequisite(s): CO-295
Course Type(s): COJPT, COPRT
Advanced public relations theory and practices dealing with management of organizational crisis and issues. Exploration of the process of research, analysis, planning, and implementation of crisis management. Examination of the role of the public relations professional in the development of crisis communication strategies and tactics. Emphasis on control of crisis, rumor, public perception, corporate image, and reputation. Use of case studies, simulations, group exercises, and projects to develop skills in crisis and issues management.

CO-483 Communication Internship Seminar Credits: 3
Term Offered: All Terms
Course Type(s): EX1
Supervised, practical experience in communication (radio, television, public relations, journalism, and human communication); emphasis on the application of discipline- specific technologies and theories in a professional environment directly related to one's course of study. On-campus seminar attendance is required. May be repeated once for credit. Junior standing is required to take this course.

CO-489 Internship in Communication Credits: 3
Term Offered: All Terms
Course Type(s): EX1
Supervised practical experience in communication (radio, television, public relations, and human relations) or journalism; emphasis on the programming, production, and transmission aspects of mass media. Repeatable for credit. Junior standing, departmental approval, and placement are required to take this course.

CO-491 Seminar in Communication Credits: 3
Prerequisite(s): CO-301, Senior standing, at least thirty credits in communication, and EN-102 passed with a grade of C or higher
Term Offered: All Terms
Course Type(s): None
Communication as an organized body of knowledge and skills; advanced problems assigned according to the special interests of the student. For Communication majors only.

CO-492 Interactive Storytelling with Data Credits: 3
Prerequisite(s): CO-211 and CO-221 or CO-222
Term Offered: All Terms
Course Type(s): COJPW, CORTP, IM
Designed to introduce students to the world of data journalism and teach them to tell interactive stories using raw data. We will start from asking what is data journalism and how we find stories in the data. Students will learn how to acquire data from the web, normalize the data into databases and finally use software to tell engaging, interactive stories with collected data. Students will also learn how to collect data from traditional sources that aren't necessarily found online. Students are expected to complete a data-driven journalism project as part of the course. Also offered as a graduate course, CO-592.

CO-499 Independent Study in Communication Credits: 3
Term Offered: All Terms
Course Type(s): None
Guided research on selected topics in Communication. Prior permission of the directing professor and department chair is required to take this course. Demonstrated ability in the proposed area of concentration is required to take this course.

Computer Science (CS)

CS-104 Introduction to Problem Solving and Software Development Credits: 3
Term Offered: All Terms
Course Type(s): TL
Introduces a broad overview of problem solving, computing topics, and fundamental concepts and methodologies of software development designed to provide students with awareness of the computing field's many aspects. Topics include fundamentals of computer architecture, operating systems, applications, problem-solving. It emphasizes the main phases of the software development lifecycle, such as requirements, design, implementation, testing, project planning. Also, it stresses the difference between the software product and process. Introduces social and ethical issues related to computing and explores the local and global impact of computing on individuals, organizations and society. It also gives students their initial exposure to group project work.

CS-175 Introduction to Computer Science I **Credits: 3**
Prerequisite(s): CS-104
Co-requisite(s): CS-175L
Term Offered: All Terms
Course Type(s): None
Introductions to the basic concepts of program development in a modern object-oriented language; problem-solving methods and algorithm development; basic primitive and object data types; language syntax; style and documentation; and coding and testing of programs

CS-175L Introduction to Computer Science I lab **Credits: 1**
Prerequisite(s): CS-104
Co-requisite(s): CS-175
Term Offered: All Terms
Course Type(s): None
Introductions to the basic concepts of programming and program development in a modern Software Development Environment with debugger and source code control.

CS-176 Introduction to Computer Science II **Credits: 3**
Prerequisite(s): CS-175 and CS-175L, both passed with a grade of C or higher
Co-requisite(s): CS-176L
Term Offered: All Terms
Course Type(s): None
Continuation in depth and breadth of problem solving and algorithm development, using the same modern object-oriented language as in CS-175. More advanced object-oriented design. Introduction to polymorphism, inheritance, and interfaces.

CS-176L Introduction to Computer Science II Lab **Credits: 1**
Prerequisite(s): CS-175 and CS-175L, both passed with a grade of C or higher
Co-requisite(s): CS-176
Term Offered: All Terms
Course Type(s): None
Introduction to advanced concepts of programming and program development in a modern Software Development Environment with debugger and source code control.

CS-199 Independent Study in Computer Science **Credits: 1-3**
Course Type(s): None
Independent study in a computer science topic not substantially treated in a regular course; for students with superior ability. One-hour consultation per week. Prior permission of the directing professor and department chair is required to take this course.

CS-201 Introduction to Computer Programming for Data Science **Credits: 1**
Prerequisite(s): IT-100 or IT-102 or IT-150 or CS-104
Term Offered: Spring Term
Course Type(s): None
This course introduces the most important data structures available in R and their practical application. Methodologies to import data from external sources (files, databases, on-line resources), to manipulate and transform data, and to save\export data to data repositories are described. The course also describes how to compute descriptive statistics and how to build chart for effective data visualization tasks. The students will become familiar in using some R data manipulation and visualization libraries.

CS-205 Data Structures and Algorithms **Credits: 3**
Prerequisite(s): MA-130, CS-176, and CS-176L, all passed with a grade of C or higher
Co-requisite(s): CS-205L
Term Offered: All Terms
Course Type(s): None
Introduction to the design, implementation, and use of fundamental data structures (lists, stacks, queues, trees); extensions of these structures and associated algorithms; informal complexity analysis.

CS-205L Data Structures and Algorithms Lab **Credits: 1**
Prerequisite(s): MA-130, CS-176, and CS-176L, all passed with a grade of C or higher
Co-requisite(s): CS-205
Term Offered: All Terms
Course Type(s): None
Introductions to the basic concepts of programming and program development in a modern Software Development Environment with debugger and source code control.

CS-286 Computer Architecture I **Credits: 3**
Prerequisite(s): CS-176 passed with a grade of C or higher
Term Offered: All Terms
Course Type(s): None
Data representation and operations. Digital logic design. Processor data path. Memory hierarchy. Instruction set architecture. Assembly language programming.

CS-289 Internship in Computer Science **Credits: 3**
Term Offered: All Terms
Course Type(s): EX1
Supervised practical experience in Computer Science. Repeatable for credit. Sophomore standing, departmental approval, and placement are required to take this course.

CS-298 Special Topics in Computer Science (200 Level) **Credits: 1-3**
Term Offered: Spring Term
Course Type(s): None
An intensive study of a particular subject or problem in computer science to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. Three or four hours per week. If a prerequisite is required it will be announced in the course schedule.

CS-299 Independent Study in Computer Science **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Independent study in a computer science topic not substantially treated in a regular course; for students with superior ability. One-hour consultation per week. Prior permission of the directing professor and department chair is required to take this course.

CS-301 Android Application Development **Credits: 3**
Prerequisite(s): CS-205 and CS-205L
Term Offered: Spring Term
Course Type(s): None
This course will teach students software methodologies for Android App Development. This will include Android Development Studio, Kotlin programming language, and interfaces to external services required to develop simple to moderately complex Android mobile apps. Also listed as SE-301.

CS-305 Advanced Computing **Credits: 3**
Prerequisite(s): CS-205 passed with a grade of C or higher
Term Offered: Fall Term
Course Type(s): None
Introduction to fundamental concepts of computer science theory and methods of parallel and distributed programming, The course covers automata theory (including finite-state machines and Turing machines, algorithm complexity (including the distinction between P and NP problems), BNF specification of programming languages, methods of parallel programming, methods of distributed programming, measuring the speedup obtained by parallelization, and methods of addressing NP completeness through approximation. The course will provide experience in the implementation of parallel and distributed programming.

CS-310 Advanced Object-Oriented Programming and Design **Credits: 3**
Term Offered: All Terms
Course Type(s): WT
Object-oriented programming and design, using a language different from that used on CS-176. Use of classes, inheritance, polymorphism, and libraries. Topics will include flexible system design for such requirements as globalization. This is a writing-intensive course.

CS-315 Theory of Computing **Credits: 3**
Prerequisite(s): CS-176 passed with a grade of C or higher and either CS-202 or MA-120 or MA-130 passed with a grade of C or higher
Term Offered: Spring Term
Course Type(s): None
An introduction to phrase structure languages and their relation to automata, computability, and program verification.

CS-325 Software Engineering Concepts **Credits: 3**
Prerequisite(s): CS-205 passed with a grade of C or higher; and EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): WT
Overview of software engineering concepts, analysis/design techniques, Unified Modeling Language (UML), software documentation, and group development of software.

CS-335 Programming Language Concepts **Credits: 3**
Prerequisite(s): CS-205 passed with a grade of C or higher
Course Type(s): None
Design, evaluation, and implementation of programming languages. Discussion of imperative, applicative, object-oriented and concurrent languages. Four hours per week.

CS-337 Enterprise Mobile iOS Apps Design and Development **Credits: 3**
Prerequisite(s): CS-205 passed with a grade of C or higher
Term Offered: Fall Term
Course Type(s): None
Presents methodologies to build enterprise mobile apps on iPad tablets and iPhone smartphones using iOS. The course will cover technologies to use in the design and development of apps on mobile devices and integration of these apps with corporate data sources, sensor devices and cloud computing services. Also listed as SE-337.

CS-350 Research in Computer Science **Credits: 1-4**
Prerequisite(s): CS-306 passed with a grade of C or higher, a minimum of fifteen credits at Monmouth University and a minimum GPA of 3.25
Course Type(s): EX5
Original research work, associated with an external constituent and/or organization, planned and carried out with assistance of faculty research advisor. Research conducted by the student will be shared with the external constituency and submitted for outside publication and review. Number of credits arranged with advisor. Limited to Computer Science students with approval of chair, program director, or advisor.

CS-357 Engineering Full-Stack Software Applications **Credits: 3**
Prerequisite(s): CS-176 and CS-176L
Term Offered: Fall Term
Course Type(s): None
A practical introduction to the principles, methods, and tools required to create high-quality software applications for the distributed, client-server context of the Web. Emphasis is on architectural designs, and language and data access methods that are common in Web-based systems. Also listed as SE-357.

CS-358 Software Frameworks **Credits: 3**
Prerequisite(s): EN-101, EN-102, CS-205 and SE-207 both passed with a grade of C or higher; and SE-357 or CS-357, or permission of the instructor.
Course Type(s): WT
An introduction to Design Patterns and modern Software Frameworks, programming languages, data access methods and asynchronous Application Programming Interfaces (APIs). This is a writing intensive course. Restricted to Computer Science or Software Engineering students only. Also listed as SE-358. and SE-357 or CS-357 or permission of the instructor.

CS-360 Introduction to Game Development **Credits: 3**
Prerequisite(s): CS-205 passed with a grade of C or higher
Term Offered: Fall Term
Course Type(s): None
An introduction to the creation of computer/video games and the different elements of games, including computer graphics, animation, artificial intelligence, algorithms, data structures, networking, software development cycles and human-computer interaction. Also listed as SE-360.

CS-370 Program Development Under Unix **Credits: 3**
Prerequisite(s): CS-176 passed with a grade of C or higher
Term Offered: Fall Term
Course Type(s): None
Introduction to the use of the UNIX operating system and its utilities for incremental and distributed program development, maintenance, and debugging. The course covers the UNIX shell, utilities, and program development tools that are used for large projects involving multiple developers on multiple machines. Three hours per week.

CS-371 Scripting Languages **Credits: 3**
Prerequisite(s): CS-176 or equivalent
Term Offered: Spring Term
Course Type(s): None
An introduction to programming using widely-used, dynamically-typed, interpreted programming languages, which are sometimes called "scripting" languages. Covers general-purpose scripting languages, such as Perl and Python that are used to develop a wide range of applications. Scripting languages, such as PHP, that are used primarily in web development, will not be covered in this course.

CS-375 File Management **Credits: 4**
Prerequisite(s): CS-205 passed with a grade of C or higher
Course Type(s): None
Overview of files, records and files, blocking and buffering, secondary storage devices; sequential file organization, external sort/merge algorithms; random access; relative file organization; tree-structured file organization; search trees, indexed sequential file organization; list-structured file organization; multiple-key file organization. Four hours per week.

CS-388 Cooperative Education: Computer Science **Credits: 3**
Prerequisite(s): CS-205 passed with a grade of C or higher, Junior standing and thirty or more earned credits with at least fifteen taken at Monmouth University
Term Offered: All Terms
Course Type(s): EX2
Provides an opportunity for students who are engaged in a computer science-related experience. Fifteen to twenty hours of work experience per week. This course may be repeated for credit. Departmental approval is required to take this course.

CS-389 Internship in Computer Science **Credits: 3**
Term Offered: All Terms
Course Type(s): EX1
Supervised practical experience in Computer Science. Repeatable for credit. Junior standing, departmental approval, and placement are required to take this course.

CS-398 Special Topics in Computer Science (300 Level) **Credits: 1-3**
Term Offered: Spring Term
Course Type(s): None
An intensive study of a particular subject or problem in computer science to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. Three or four hours per week. If a prerequisite is required it will be announced in the course schedule.

CS-399 Independent Study in Computer Science **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Independent study in a computer science topic not substantially treated in a regular course; for students with superior ability. One-hour consultation per week. Prior permission of the directing professor and department chair is required to take this course.

CS-414 Computer Networks **Credits: 3**
Prerequisite(s): CS-286 passed with a grade of C or higher
Term Offered: All Terms
Course Type(s): None
An introductory-level course on the hierarchy of networking software and hardware. Emphasis on the; description of protocols in the Internet, specifically, client-server Application Layer Protocols such as HTTP, SMTP, DNS, DHCP; Transport Layer Protocols such as UDP/TCP, Network Layer Protocols such as IP, ICMP, as well as Network Layer Routing and Forwarding techniques, such as RIP and OSPF for IPv4 and Tunneling for IPv6.

CS-418 Compiler Construction **Credits: 3**
Prerequisite(s): CS-205 passed with a grade of C or higher
Course Type(s): None
The principles and practices of incorporating the theory of finite automata and context-free languages, the maintenance and use of semantic information, and the generation and optimization of code to produce a compiler. Four hours per week.

CS-420 Survey of Artificial Intelligence Concepts and Practices **Credits: 3**
Prerequisite(s): CS-205 and MA-130 both passed with a grade of C or higher
Term Offered: Fall Term
Course Type(s): None
Introduction of fundamental concepts and practices of artificial intelligence, covering search techniques, constraint satisfaction, knowledge representation, machine learning, planning, and natural language processing. The course will provide experience in the implementation of techniques from these areas. Three hours per week.

CS-432 Database Systems **Credits: 3**
Prerequisite(s): CS-205 passed with a grade of C or higher
Term Offered: All Terms
Course Type(s): None
Overview of database system concepts; data modeling; ER and UML diagrams; relational database schema definition; database design; query languages; introduction to NoSQL and comparison between relational and non-relational databases; hand-on experience of SQL, Oracle, and NoSQL.

CS-438 Operating Systems Analysis **Credits: 3**
Prerequisite(s): CS-286 and CS-205 both passed with a grade of C or higher
Term Offered: All Terms
Course Type(s): None
Management of memory, processes, files, and devices. OS design principles and performance measures. Multiprogramming, multiprocessing, concur-ency, deadlock, virtual machines. Competitive and cooperating processes. Programs will be written in C or in Java. Three hours per week.

CS-450 Cyber Security **Credits: 3**
Prerequisite(s): CS-205
Term Offered: Fall Term
Course Type(s): None
Cover fundamental theory and practice of cyber security. Review cryptographic tools used to provide security, such as shared key encryption; public key encryption, key exchange, authentication, digital signature, and intrusion detection. Learn implementation of secure mechanisms in object-oriented programming languages. Also listed as SE-450.

CS-451 Applied Computer Security **Credits: 3**
Prerequisite(s): CS-450 or SE-450
Term Offered: Spring Term
Course Type(s): None
This course will introduce students to multiple aspects of computer security and practice into a series of well-defined security topics such as network security and hacking tools. Also, the student will introduce different topics of digital forensics. Also listed as SE-451.

CS-471 System Administration **Credits: 3**
Prerequisite(s): CS-370 or CS-371 passed with a grade of C or higher
Term Offered: Spring Term
Course Type(s): None
Fundamental topics in system administration, focused primarily on UNIX administration with added coverage of Microsoft Windows NT descendant systems. The course is a hands-on introduction to installing and maintaining modern, multi-user, production UNIX-like operating systems and the essential services that are hosted on these systems.

CS-488 Cooperative Education: Computer Science **Credits: 3**
Prerequisite(s): CS-205 passed with a grade of C or higher
Term Offered: All Terms
Course Type(s): EX2
Provides an opportunity for students who are engaged in a computer science-related experience. Fifteen to twenty hours of work experience per week. May be repeated for credit. Departmental approval is required to take this course. Junior standing, thirty or more earned credits with at least fifteen taken at Monmouth University and CS-205 passed with a grade of C or higher are required to take this course.

CS-489 Internship in Computer Science **Credits: 1-3**
Term Offered: All Terms
Course Type(s): EX1
Supervised practical experience in Computer Science. Repeatable for credit. Junior standing, departmental approval, and placement are required to take this course.

CS-490 Senior Project **Credits: 4**
Prerequisite(s): CS-325 and CS-432 both passed with a grade of C or higher
Term Offered: Spring Term
Course Type(s): RD
Affords the student an opportunity to integrate topics and techniques from previous coursework in a capstone project. The project will combine investigation into computer science literature and actual implementation, either in an area of current research or an application area of interest to industry. Implementation might involve collaboration with other students. The project will be presented formally, both orally and in written form. This course satisfies the reasoned oral discourse requirement for computer science students.

CS-492A Computer Science Senior Project A **Credits: 3**
Prerequisite(s): CS-325 and CS-432, both passed with a grade of C or higher
Term Offered: All Terms
Course Type(s): RD
Affords the student an opportunity to integrate topics and techniques from previous coursework in a capstone project. The project will combine investigation into computer science literature and actual implementation, either in an area of current research or an application area of interest to industry. Implementation might involve collaboration with other students. The project will be presented formally both orally and in written form. This course satisfies the reasoned oral discourse requirement for computer science students.

CS-492B Computer Science Senior Project B **Credits: 3**
Prerequisite(s): CS-492A
Term Offered: All Terms
Course Type(s): RD
Affords the student an opportunity to integrate topics and techniques from previous coursework in a capstone project. The project will combine investigation into computer science literature and actual implementation, either in an area of current research or an application area of interest to industry. Implementation might involve collaboration with other students. The project will be presented formally both orally and in written form. This course satisfies the reasoned oral discourse requirement for computer science students.

CS-498 Special Topics in Computer Science (400 Level) **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
An intensive study of a particular subject or problem in computer science to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. Three or four hours per week. If a prerequisite is required it will be announced in the course schedule.

CS-499 Independent Study in Computer Science **Credits: 1-4**
Term Offered: All Terms
Course Type(s): None
Independent study in a computer science topic not substantially treated in a regular course; for students with superior ability. One-hour consultation per week. Prior permission of the directing professor and department chair is required to take this course.

Criminal Justice (CJ)

CJ-101 Introduction to Criminal Justice **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Basic constitutional limitations of criminal justice; the development of law enforcement from feudal times; law enforcement agencies; and the court system as it pertains to criminal justice and corrections.

CJ-198 Special Topics in Criminal Justice (100 Level) **Credits: 1-3**
Course Type(s): None
An intensive study of a particular subject or problem in criminal justice to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

CJ-201 Police Role in the Community **Credits: 3**
Prerequisite(s): CJ-101 or SO-101
Term Offered: All Terms
Course Type(s): None
Community perception of police, courts, and correction; concepts of community and public relations; community control; and problems of justice associated with racial and ethnic groups.

CJ-204 Administration and Organization in Criminal Justice **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Criminal justice application of organizational theory and principles: administrative process; organizational factors; management techniques; and budgetary practices.

CJ-205 Corrections **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Current correctional theories and practices; historical development of the correctional system.

CJ-210 Judicial Administration **Credits: 3**
Prerequisite(s): CJ-101
Term Offered: Spring Term
Course Type(s): None
Management of judicial processes; administrative relationships of courts with defendants, police, prosecutors, defense counsel, bail agencies, probation officers, and correctional agencies; and grand and petit jury procedures.

CJ-211 Statistics for Criminal Justice **Credits: 3**
Prerequisite(s): MA-105 or a higher level Math course
Term Offered: All Terms
Course Type(s): None
Introduction to the basic methodological and statistical techniques used in criminal justice; introduction to statistical terminology as variables, unit of analysis, statistical significance, measurement, correlation, causation, and hypothesis testing.

CJ-215 Environmental Security **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
The protection and security of personal, company, and public property; measures intended to safeguard against theft, damage, assault, and sabotage.

CJ-225 Law Enforcement **Credits: 3**
Prerequisite(s): CJ-101
Term Offered: All Terms
Course Type(s): None
The origin and development of law enforcement; police strategies, organizational factors, and problems.

CJ-230 Criminal Investigation **Credits: 3**
Prerequisite(s): CJ-101
Term Offered: Spring Term
Course Type(s): None
Introduction to the principles of criminal investigations, the rules and procedures of preliminary and follow-up investigations, the art of interrogation, recording of statements, confessions, and the collection and preservation of physical evidence at the crime scene.

CJ-240 Professional Writing in Criminal Justice **Credits: 3**
Prerequisite(s): CJ-101; and EN-101 and EN-102 or permission of the instructor
Term Offered: Spring Term
Course Type(s): WT
Designed to help students develop the writing skills necessary for a career in criminal justice. Completion and revision of various internal and external forms of communication that are commonly used by criminal justice professionals are entailed. Students are also helped to improve their outlining, proofreading, editing, and organizational skills to better communicate effectively in writing.

CJ-241 Criminology **Credits: 3**
Prerequisite(s): CJ-101 or SO-101 or SO-102; and EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): WT
Explanations of the causes of property and violent offenses. Discussion of white collar, professional and organized crime, and the problem of criminal statistics. Also listed as SO-241.

CJ-280 Introduction to Forensic Science **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Introduction to concepts of forensic science with emphasis on the recognition, identification, individualization, and evaluation of physical evidence by applying the natural sciences to law-science matters.

CJ-288 Cooperative Education: Criminal Justice **Credits: 3**
Term Offered: Spring Term
Course Type(s): EX2
Professional work experience in a criminal justice-related position. May be repeated for credit. Departmental approval, a minimum G.P.A. of 2.00, and completion of thirty credits is required to take this course.

CJ-298 Special Topics in Criminal Justice (200 Level) **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
An intensive study of a particular subject or problem in criminal justice to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

CJ-299 Independent Study in Criminal Justice **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
Guided readings on a topic not otherwise covered in the curriculum. Prior permission of the directing professor and department chair is required to take this course.

CJ-301 Crime Control in the USA, Japan, and China **Credits: 3**
Course Type(s): BI.EL, GU
A comparative approach is used to examine formal, social control mechanisms that include law, police, courts corrections, and informal, social control mechanisms that contain values, beliefs, family, workplace, school, neighborhood, and other social organizations in three societies: the USA, Japan, and China.

CJ-305 Criminal Law **Credits: 3**
Term Offered: All Terms
Course Type(s): None
The nature, purposes, principles, and doctrine of modern criminal law; landmark cases; and important issues.

CJ-313 The Pre-Trial Prosecution System **Credits: 3**
Prerequisite(s): PS-102 or PS-103
Term Offered: Spring Term
Course Type(s): PSAL, SJL
The pre-trial prosecution process as a political system. The roles, attitudes, and strategies of those authorities who allocate values within the system are examined. Also listed as PS-313. PS majors register for PS-313.

CJ-315 Research Methods **Credits: 3**
Prerequisite(s): CJ-211 or MA-151, CJ-241 and EN-101 and EN-102
Term Offered: All Terms
Course Type(s): WT
Introduces students to the principles of scientific research in criminal justice and homeland security. It begins with a description of the importance of research by criminal justice and homeland security organizations and moves toward the tenets of sound research practices, including: the formulation or a research question, developing a hypothesis, collecting data, measurement, analysis, and evaluation. Special attention is devoted to practical, ethical, and political issues that can arise when conducting research. Also listed as HLS-315.

CJ-317 Law of Evidence **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
The history and development of the rules of evidence, including relevancy and materiality, competency, burden of proof, direct and circumstantial, examination of witnesses, hearsay rule, unconstitutionally obtained, and presenting and collecting.

CJ-325 Criminal Procedure **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Examination of the criminal justice process and underlying public policy considerations.

CJ-330 Crisis Intervention **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Practical everyday handling techniques for intervention in such crises as suicide, emotional disturbance, and family conflicts; theory and research pertaining to intervention in life-stress situations. Attempts to raise the student's level of empathy and interpersonal sensitivity via role playing and self-reflection.

CJ-332 Advanced Police Administration **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Advanced supervisory and managerial practices, analysis of policy formulation, decision-making, budgeting, planning, and innovative administrative procedures.

CJ-335 Juvenile Justice **Credits: 3**
Prerequisite(s): CJ-101 or SO-101 or SO-102
Term Offered: All Terms
Course Type(s): None
Introduction to the area of juvenile justice; the juvenile court; a review of juvenile justice procedures; the interaction of police and juveniles; dispositional alternatives; and delinquency prevention programs.

CJ-340 The American Penal System **Credits: 3**
Prerequisite(s): CJ-205
Term Offered: All Terms
Course Type(s): None
History, philosophy, and organizational structure of the correctional system in the United States, including issues of race, gender, and morality.

CJ-341 Occupational Crime **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Economic and fiscal implications of white-collar and blue-collar crime; definitions, explanations, control strategies, enforcement techniques, and the role of the criminal justice system.

CJ-350 Ethical Issues in Criminal Justice **Credits: 3**
Prerequisite(s): CJ-101, and EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): None
Explore various ethical issues inherent in policing, courts, and correctional work. Address ethical standards in social-science research and political correctness.

CJ-351 Sentencing Practices **Credits: 3**
Prerequisite(s): CJ-101 and CJ-205
Term Offered: Spring Term
Course Type(s): None
History, philosophy, and rationale behind past and present sentencing schemes: the indeterminate and determinate sentences; the death penalty; and non-custodial sentences.

CJ-359 Crime Prevention and Control **Credits: 3**
Prerequisite(s): 6 credits in Sociology or 6 credits in Criminal Justice
Term Offered: Spring Term
Course Type(s): None
Problems in the definition of crime; crime prevention as a social movement; and review and evaluation of major models of crime prevention and control.

CJ-360 Comparative Criminal Justice Systems **Credits: 3**
Prerequisite(s): CJ-101
Term Offered: Spring Term
Course Type(s): None
Comparison of selected foreign justice systems with that of the United States.

CJ-362 Community-Based Corrections **Credits: 3**
Prerequisite(s): CJ-101 or SW-105, and CJ-205
Term Offered: Spring Term
Course Type(s): None
Methods for dealing with the offender in the community; probation, parole, residential treatment, restitution, and the evaluation of each.

CJ-365 Forensic Pathology **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Introduction to the concepts of forensic pathology with an emphasis on the recognition and interpretation of diseases and injuries in the human body that is the basis for medico legal investigations.

CJ-370 Institutional Treatment of the Offender **Credits: 3**
Prerequisite(s): CJ-205, and either CJ-101 or SW-105
Term Offered: Spring Term
Course Type(s): None
Strategies employed in providing treatment and support services to the inmate; physical, psychological, and social environmental factors.

CJ-375 Internship in Criminal Justice **Credits: 3**
Prerequisite(s): CJ-101 or HLS-101, EN-101, EN-102, and permission of the instructor
Term Offered: All Terms
Course Type(s): CJHLS, EX1, WT
Provides practical experiences in the administration of criminal justice and homeland security through assignments to criminal justice and homeland security agencies under the joint-supervision of agency officials and Monmouth University instructors. Course assignments include a resume and cover letter application for an internship; journaling of real-world professional experiences; and the evaluation of criminal justice/homeland security policies and practices.

CJ-380 Forensic Psychology **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Criminal personalities in relationship to specific crimes; exposure to techniques of interviewing and interrogating these criminals.

CJ-384 Crime Scene Investigation **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
Understanding the nature of crime scene investigation and the basic principles necessary for a successful investigative outcome.

CJ-386 Technology Crime **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Understanding the nature of technology crimes in terms of criminal investigation and collection of electronic evidence.

CJ-387 Arson and Bomb Investigation **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Introduction to concepts of arson/bomb investigation with emphasis on reconstruction origin and cause analysis.

CJ-388 Cooperative Education: Criminal Justice **Credits: 3**
Term Offered: Spring Term
Course Type(s): EX2
Professional work experience in a criminal justice-related position. May be repeated for credit. Departmental approval, a minimum G.P.A. of 2.00, and completion of thirty credits is required to take this course.

CJ-390 Forensic Science I **Credits: 4**
Course Type(s): None
Designed to explain the concepts of recognition, identification, individualization, and evaluation of physical evidence by application of basic scientific principles used in the practice of forensic science.

CJ-391 Forensic Science II **Credits: 4**
Prerequisite(s): CJ-390
Course Type(s): None
Designed to explain the concepts of recognition, identification, individualization, and evaluation of physical evidence, such as blood and semen, firearms, gunshot residue, fire debris, and explosions, in the context of real-world situations.

CJ-398 Special Topics in Criminal Justice (300 Level) **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
An intensive study of a particular subject or problem in criminal justice to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

CJ-399 Independent Study Criminal Justice **Credits: 1-3**
Term Offered: Spring Term
Course Type(s): None
Guided readings on a topic not otherwise covered in the curriculum. Prior permission of the directing professor and department chair is required to take this course.

CJ-401 Special Problems in Law Enforcement **Credits: 3**
Prerequisite(s): 9 credits in Criminal Justice
Term Offered: Spring Term
Course Type(s): None
Special problems that are not encountered in normal daily activities of police departments, including riots and emergency service functions, such as fire scenes, lost children, and crime prevention.

CJ-402 Field Research in Criminal Justice **Credits: 3**
Prerequisite(s): 18 credits in Criminal Justice and permission of the coordinator
Course Type(s): None
Study, research, and specific projects in criminal justice under the supervision of a Criminal Justice faculty member; a written report is required.

CJ-480 Criminal Justice Research Project **Credits: 3**
Prerequisite(s): CJ-315, Junior or Senior standing, and permission of the instructor and department chair
Course Type(s): None
Active participation in a research project chosen by and currently being pursued by the faculty sponsor. Student activities may include but are not limited to: literature search, data collection, data analysis, and preparation of a manuscript.

CJ-488 Cooperative Education: Criminal Justice **Credits: 3**
Term Offered: Spring Term
Course Type(s): EX2
Professional work experience in a criminal justice-related position. Departmental approval, a minimum G.P.A. of 2.00, and completion of thirty credits is required to take this course.

CJ-489 Internship in Criminal Justice II **Credits: 1-3**
Course Type(s): EX1
Directed individual study of Criminal Justice in areas of special interest. Junior standing or higher is required to take this course. Departmental approval is required to take this course.

CJ-490 Seminar in Criminal Justice **Credits: 4**
Prerequisite(s): CJ-315 and Senior standing in Criminal Justice
Term Offered: All Terms
Course Type(s): CJHLS
Selected topics in criminal justice; presentation and discussion of a research paper. Homeland Security majors should register for HLS-490.

CJ-498 Special Topics in Criminal Justice (400 Level) **Credits: 1-3**
Term Offered: Spring Term
Course Type(s): None
An intensive study of a particular subject or problem in criminal justice to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

CJ-499 Independent Study in Criminal Justice **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
Guided readings on a topic not otherwise covered in the curriculum. Senior standing, a minimum G.P.A. of 2.50 and prior permission of the directing professor and department chair is required to take this course.

Dance (DA)

DA-101 Dance Appreciation **Credits: 3**
Term Offered: All Terms
Course Type(s): AT
Introduction to the extraordinarily diverse dance forms found throughout the world. Development of an appreciation of dance as an art. The history, aesthetic elements, and communicative power of dance movements will be examined.

DA-117 Social Dance I **Credits: 1**
Term Offered: All Terms
Course Type(s): RHYTH
Students will learn a comprehensive framework for exploring the various dimensions of dance and its significance in contemporary society. The main emphasis will be placed on skill acquisition with focus on specific movements and techniques to increase competence in dance and rhythmic activities. The analysis of skills, basic choreography, etiquette, and safety will be covered. This course is a physical activity skills course. Skills course: Dance/Rhythmic Activities. This is a Pass/Fail course. To pass the course, students must earn the specified amount of points required in three evaluation categories: participation, performance assessment, and a teaching episode. Also listed as PE-117. This is a pass/fail course.

DA-118 Social Dance II **Credits: 1**
Term Offered: Spring Term
Course Type(s): RHYTH
Provides a comprehensive foundation for both men and women to successfully perform on any social dance floor. Students will learn introductory steps of the Hustle, Salsa, and Tango. Intermediate/advanced skills of the Viennese Waltz, Foxtrot, and East Coast Swing will be taught. A minimum of eight step patterns per dance will be introduced. Students will practice dance etiquette and social skills, leading to increased confidence for social dancing and improved fitness. In addition, "partner" dance positions and keeping music tempos will be addressed. This course is a physical activity skills course. Skills course: Rhythmic (dual). To pass the course, students must earn the specified amount of points required in three evaluation categories: participation, performance assessment, and a teaching episode. This is a pass/fail course. Also listed as PE-118.

DA-151 Movement for the Performer **Credits: 3**
Term Offered: All Terms
Course Type(s): AT
Designed for the students to gain body awareness and proper body alignment through physical practice and imagery, while learning proper dance terminology. Creative movement, improvisation, and choreography will also be addressed. By the end of the course, the student will be able to properly warm-up the body in preparation for performance.

DA-198 Special Topics in Dance (100 Level) **Credits: 1-3**
Term Offered: Spring Term
Course Type(s): None
An intensive study of a particular dance form to be announced prior to registration, involving the practical application of a dance form through practice and performance. If a prerequisite is required it will be announced in the course schedule.

DA-199 Independent Study in Dance **Credits: 1-3**
Term Offered: Summer Term
Course Type(s): None
Guided Research in selected topics in Dance. Prior permission of the directing professor and department chair is required to take this course.

DA-207 Modern Ballet I **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Integration of the techniques of modern and classical ballet; modern ballet history and theory to be examined, with emphasis on movement and performance.

DA-209 Jazz Dance I **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Introduction to jazz dance techniques; skills development in jazz movement, body control, and stage performance.

DA-211 Jazz Dance II **Credits: 3**
Prerequisite(s): DA-209 or permission of the instructor
Term Offered: Spring Term
Course Type(s): None
Advanced jazz dance techniques; advanced skills development in jazz movement, body control, and stage performance.

DA-220 Tap 1 **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
An introduction to basic tap technique and movement patterns, covering basic tap dance vocabulary/steps and the methods of proper execution.

DA-298 Special Topics in Dance (200 Level) **Credits: 1-3**
Term Offered: Spring Term
Course Type(s): None
An intensive study of a particular dance form to be announced prior to registration. The course involves the particular application of the dance form through practice and performance. If a prerequisite is required it will be announced in the course schedule.

DA-299 Independent Study in Dance **Credits: 1-3**
Term Offered: Spring Term
Course Type(s): None
Guided Research in selected topics in Dance. Prior permission of the directing professor and department chair is required to take this course.

DA-301 Choreography **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
How to initiate, develop, manipulate, and edit movement to craft a dance with form and intent. Teaches creative and practical skills. The conception, planning, and realization of complete dances will be studied and practiced. Students will create and perform their own choreography. Outstanding work will be showcased in departmental productions.

DA-499 Independent Study in Dance **Credits: 1-3**
Term Offered: Spring Term
Course Type(s): None
Guided research on selected topics in Dance. Prior permission of the directing professor and department chair is required to take this course.

Education (ED)

ED-PRETEST Education Major Entrance Test Requirement **Credits: None**
Course Type(s): None
This course indicates that students have successfully met the Praxis Core requirements either by passing all three parts of the Praxis Core test OR by alternate means as determined by NJ State code.

ED-050 English as a Second Language Instruction for Undergraduate International Students **Credits: None**
Term Offered: Spring Term
Course Type(s): None
This is a pass/fail course.

ED-101 Transition to College **Credits: 1**
Term Offered: All Terms
Course Type(s): None
The identification and management of the academic and socio-emotional issues confronting the student during the transitional stage from secondary to post-secondary education. Permission of the instructor is required to take this course.

ED-250 Psychological and Philosophical Foundations of Education **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Enhances a teacher candidate's background in principles and practices of elementary and secondary education, including curriculum planning, assessment, procedures, instructional technology, culturally and linguistically diverse students, diverse learning needs, classroom management, core curriculum standards, and school organization. Relevant information about national and state standards will be addressed. Social, historical, political, psychological, and philosophical foundations of education are examined. Observation and participation in actual classroom procedures are required through structural experiences. Service learning hours required. Education majors only.

ED-299 Independent Study in Education **Credits: 3**
Term Offered: Summer Term
Course Type(s): None
Independent research in education in an area not substantially treated in a regular course offering under the supervision of an education faculty member; written evaluation of the research is required. For students with superior ability. Prior permission of the directing professor and department chair is required to take this course.

ED-300 Education and Culture **Credits: 3**
Term Offered: Spring Term
Course Type(s): ADS, GU
Offers students the opportunity to become immersed in educational, cultural, and historical contexts while exploring contemporary issues relevant to various countries or regions. Students will be introduced to cross-cultural issues within that country. They will expand their understanding of the focus country; especially its educational practices, as they gain an immersive experience related to education, history, culture, art, and literature through travel and through participating in volunteer work in a school setting. Students in this course examine another culture in order to gain experience which may transform not only their understanding of that culture, but the way in which they understand culture in general. Not open to freshmen. This course may be repeated once for credit. A minimum G.P.A. of 3.00 is required to take this course.

ED-315 Digital Media and Instructional Technology Skills for Teachers **Credits: 3**
Term Offered: All Terms
Course Type(s): TL
Aims to introduce teacher-candidates to computer science concepts and recent instructional technologies to support teaching and learning processes in K-12 classrooms. The course focuses on teacher-candidates' exploration and evaluation of technology-enhanced applications. Teacher-candidates learn how to use digital media, technologies, and interactive games to support their instructional strategies and student learning, enhance classroom management, aid formative and summative assessment techniques, and communicate professionally.

ED-319 Content Literacy and Assessment **Credits: 3**
Prerequisite(s): ED-250; EN-101 and EN-102, Clinical Experience Hours Required, and a minimum G.P.A. of 3.00.
Term Offered: All Terms
Course Type(s): EX5, WT
Designed to focus on the development of students' reading, writing, and speaking skills as they are used in specific K-12 and secondary academic content areas, this course uses a backward design model to integrate discussions of assessment with content area literacy. It emphasizes the implementation of both teaching and learning strategies to develop K-12 students' gradual disciplinary language development, fostering their abilities to be independent learners and disciplinary communicators. The course includes research-based pedagogical strategies for teaching linguistically diverse students and teaching students with diverse learning needs. Limited to Education majors.

ED-320 Teaching Emergent Multilinguals in an Inclusive Classroom **Credits: 3**
Prerequisite(s): ED-250, EN-101 and EN-102, pass ED-PRETEST, and a minimum G.P.A. of 3.00
Term Offered: All Terms
Course Type(s): RD, WT
This Writing Intensive course is offered to address issues and research-based pedagogical strategies of teaching Emergent Multilingual Students in today's mainstream classrooms. Teacher candidates will explore a variety of instructional strategies and develop cultural knowledge and its application in teaching Emergent Multilingual Learners. The course also includes incorporating instructional technology into the classroom, and utilizing data to inform instruction. Clinical Experience Hours Required. Education majors only. Prerequisites: ED-250, EN-101 and 102, and a minimum G.P.A. of 3.00

ED-327 Theories and Practice of ESL Instruction Part I **Credits: 3**
Prerequisite(s): ED-320 and a minimum GPA of 3.00
Term Offered: All Terms
Course Type(s): None
With an emphasis on teaching English as a Second Language through content, part one of this two-semester course will introduce the history of ESL teaching and critically explore exemplary curriculum designs and methods of teaching ESL. A wide range of ESL instructional materials, instructional technology, services, and assessment measures will be introduced and practiced, with an emphasis on standard-based content and ESL teaching. Both instructional design and implementation will be the focus for practice, with embedded language acquisition/learning theories and research studies carefully examined. Clinical Hours required. Education majors only.

ED-328 Theories and Practice of ESL Instruction Part II **Credits: 3**
Prerequisite(s): ED-327 or ED-374, EN-442, and a minimum G.P.A. of 3.00
Term Offered: All Terms
Course Type(s): None
A continuation of ED-327 examines public issues pertinent to ESL education, with an emphasis on making connections between theories or research findings and classroom practice. More approaches to ESL instruction will be introduced with an emphasis on various strategies, techniques, and instructional technology for teaching specific language skills in a standard-based content and ESL teaching program. Reflective practice is an integral part. Clinical Hours required.

ED-331 Music for the Child **Credits: 2**
Prerequisite(s): MU-151 and MU-218
Course Type(s): None
Focus on methods and materials of teaching in the elementary school (K-8): singing, rhythmic expression, listening, use of simple instruments, and correlating music with other areas of learning. It will include pedagogical strategies related to teaching linguistically diverse students, students with diverse needs, using instructional technology and using data to inform instruction. For Music majors only. Also listed as MU-331. Clinical Hours required.

ED-333 The Teaching of Music in the Secondary School **Credits: 2**
Prerequisite(s): MU-151 and MU-218
Term Offered: Spring Term
Course Type(s): None
Study and application of appropriate concepts, methods, skills, and materials for secondary-school music teachers. It will include pedagogical strategies for teaching linguistically diverse students, those with special needs using instructional technology and using data to inform instruction. For Music majors only. Clinical Hours required. Also listed as MU-333.

ED-336 Applied Linguistics for the Language Educator Credits: 3
Term Offered: Summer Term
Course Type(s): None
Designed to introduce students to the concepts of linguistics as related to bilingual education and the teaching of English as a second language. Students will also learn structural aspects of linguistics, including morphology (words), syntax (sentence patterns), semantics (the meaning of words), phonetics and phonology (the sounds of language), pragmatics (the way language works in the world), and English grammar. Students will gain familiarity with important theories, research, and how the English language works. Education majors only. Students must have a minimum G.P.A. of 3.00 to register for this course.

ED-351 Methods of Teaching Art I Credits: 3
Prerequisite(s): AR-114, AR-116, AR-192, and ED-320 and a minimum G.P.A. of 3.00.
Term Offered: All Terms
Course Type(s): None
The history and philosophy of art education; the construction of art curricula and the exploration of teaching methods; media and tools appropriate for the educational level. Methods I deals with the needs of the elementary school child. The course includes research-based pedagogical strategies for teaching linguistically diverse students, those with diverse learning needs, incorporating instructional technology into the classroom and utilizing data to inform instruction. Clinical Hours required. Also listed as AR-351.

ED-352 Methods of Teaching Art II Credits: 3
Prerequisite(s): ED-351 or AR-351 and Minimum G.P.A. of 3.0.
Term Offered: Spring Term
Course Type(s): None
The history and philosophy of art education; the construction of art curricula and the exploration of teaching methods; media and tools appropriate for the educational level. Methods II deals with the needs of the adolescent. The course includes research-based pedagogical strategies for teaching linguistically diverse students, those with diverse learning needs, incorporating instructional technology into the classroom and utilizing data to inform instruction. Clinical Hours required. Also listed as AR-352.

ED-360 Methods of Teaching Elementary Mathematics Credits: 3
Prerequisite(s): MA-103 or MA-205, EDL-326, and a minimum G.P.A. of 3.00
Term Offered: All Terms
Course Type(s): None
ED-360 is designed to provide a profound understanding of the concepts taught in elementary school mathematics. Teacher candidates participate in activities and learn techniques to foster conceptual development in young learners, thus producing confidence and success in the learning of mathematics. The essential elements of instruction, assessment, grouping strategies, and effective questioning are illustrated and honed when planning to address the instructional needs for diverse learners in mathematics. This course contains foundational knowledge which will be used during the clinical practice performance assessment. It will include research-based pedagogical strategies for teaching linguistically diverse students, those with special needs, using instructional technology and using data to inform instruction. Clinical Practice hours required.

ED-361 Methods of Teaching Science for Elementary School Credits: 3
Prerequisite(s): ED-320, EDL-326 and a minimum G.P.A. of 3.00
Term Offered: All Terms
Course Type(s): EX5
Science methods for elementary education students is designed for those without a strong background in science (although those with a strong background will also benefit greatly from this course). The intent of this course is to provide an integrated perspective of teaching science from pre-kindergarten through grade 5. This course will provide active learning of science concepts through various inquiry activities. Following the learning theories that have produced both the Next Generation Science Standards and the New Jersey Core Curriculum Content Standards for science, this course will utilize projects, cases, and problems in real world settings using a diversity of instructional methods and strategies to provide each student with the opportunity to learn how to teach inquiry and problem-solving across the sciences. The course includes research-based pedagogical strategies for teaching linguistically diverse students, those with diverse learning needs, incorporating instructional technology into the classroom and utilizing data to inform instruction. Clinical Practice hours required.

ED-365 Methods of Teaching Mathematics at the Secondary Level Credits: 3
Prerequisite(s): ED-319 or EDL-327, and ED-320 and a minimum G.P.A. of 3.00
Term Offered: All Terms
Course Type(s): None
ED-365 focuses on the teaching of secondary mathematics. It is intended to deepen future secondary school teachers' understanding of the secondary mathematics curriculum and build their competencies at the level of instructional implementation. The course includes research-based pedagogical strategies for teaching linguistically diverse students, those with diverse learning needs, incorporating instructional technology into the classroom and utilizing data to inform instructions. Essential elements of effective instruction, including inquiry-based learning, implementing tasks that promote reasoning and problem-solving, assessment, facilitating meaningful mathematical discourse, eliciting and using evidence of student thinking, grouping strategies and effective questioning are explored as these are techniques utilized to bring conceptual understanding of mathematics to all learners. Education majors only.

ED-367 Methods of Teaching English at the Secondary Level Credits: 3
Prerequisite(s): ED-319 or EDL-327 and a minimum G.P.A. of 3.00, Education Majors Only
Term Offered: All Terms
Course Type(s): None
Provides in-depth preparation to teacher candidates desiring to teach English/Language Arts at the secondary level by extending the essential knowledge, skills, and strategies grounded in research and related to effective classroom instruction. Teacher candidates will have increased opportunities to apply theory and refine practices in the use of print and non-print texts and in the integration of the English Language Arts. New Jersey Professional Standards for Teachers (NJPSTs) will be an integral part of the course. Candidates are required to complete a 100 hour practicum in a local school. Education Majors Only.

ED-369 Methods of Teaching Science at the Secondary Level Credits: 3
Prerequisite(s): ED-319 or EDL-327 and a minimum G.P.A. of 3.00
Term Offered: Fall Term
Course Type(s): None
Science methods at the secondary level is designed for those with a background in science. The intent of this course is to provide an integrated perspective of teaching science from grade 7-12. This course will provide active learning of science concepts through various inquiry activities. Following the learning theories that have produced both the Next Generation Science Standards and the New Jersey Student Learning Standards for science, this course will utilize projects, cases, and problems in real world settings using a diversity of instructional methods and strategies to provide each student with the opportunity to learn how to teach inquiry and problem-solving across the sciences. Education majors only.

ED-371 Methods of Teaching Social Studies at the Secondary Level Credits: 3
Prerequisite(s): ED-319 or EDL-327 and a minimum G.P.A. of 3.00
Term Offered: All Terms
Course Type(s): None
The course will introduce students preparing for middle and secondary level teacher certification to social studies curriculum and methods. Course content will emphasize national and state standards for social studies education across the traditional social science discipline. The course will also explore the philosophical and theoretical foundations of social studies education. It provides the candidate with practical strategies necessary for success in teaching culturally and linguistically diverse students and students with diverse learning needs, using instructional technology, research, and assessment data to inform instruction in the context of social studies.

ED-374 Issues and Practices in World Language Education Part II Credits: 3
Prerequisite(s): ED-320 and a minimum G.P.A. of 3.00
Term Offered: Fall Term
Course Type(s): EX5
Issues and practices in world language curriculum and instruction. Fieldwork required. Designed to expand future world language teachers' understanding of the complexities of the content-based instruction in curriculum design and strengthen their competencies with a focus on standard-based language instruction that addresses the national and state standards. A wide range of world language instructional materials, instructional technology, services, and assessment measures will be introduced and practiced. The experiential component of the course provides the students with opportunities for hands-on experiences for deepening understanding and strengthening competencies. For Education majors only. Clinical Practice hours required.

ED-377 Integrated K-12 Teaching Methods Credits: 3
Prerequisite(s): ED-319, ED-320 and a minimum G.P.A. of 3.00
Term Offered: All Terms
Course Type(s): None
Deepens future K-12 school teachers' understanding of the complexities of the curriculum and builds their competencies at the level of instructional implementation in specific subject areas. Focuses on a broad spectrum of instructional methodologies and techniques that are workable in today's classroom. A constructivist approach to planning and instruction will be emphasized. The experiential component of the course provides the students with opportunities for clinical work in the classroom, strengthening competencies and deepening understanding. The course includes research-based pedagogical strategies for teaching linguistically diverse students, those with diverse learning needs, incorporating instructional technology into the classroom and utilizing data to inform instruction. Clinical Practice hours required. Education majors only.

ED-378 Methods of Teaching Elementary Physical Education and Health Credits: 3
Prerequisite(s): ED-320 either as a prerequisite or corequisite, and a minimum G.P.A. of 3.00
Term Offered: Spring Term
Course Type(s): HEPE
Focus on the planning, implementing, and assessing of competency-based physical education and skill-based health in elementary settings. Preservice teachers will learn pedagogical strategies related to teaching culturally and linguistically diverse students and students with diverse (special) needs in addition to using instructional technology, research-based best practices, and assessment data to inform instruction in elementary physical education and health. The course will utilize a lecture-based format and lab-based activities to prepare preservice teachers to develop physical literacy and health literacy for PreK-5 students. During lab-based activities, preservice teachers will plan and implement physical education and health lessons to peers and PreK-5 students. Clinical practice hours are required in accordance with New Jersey state statues. Education majors only.

ED-379 Methods of Teaching Secondary Physical Education and Health Credits: 3
Prerequisite(s): ED-320 as either a prerequisite or corequisite, and a minimum G.P.A. of 3.00
Term Offered: Fall Term
Course Type(s): HEPE
Focus on the planning, implementing, and assessing of competency-based physical education and skill-based health in secondary settings. Preservice teachers will learn pedagogical strategies related to teaching culturally and linguistically diverse students and students with diverse (special) needs in addition to using instructional technology, research-based best practices, and assessment data to inform instruction in secondary physical education and health. The course will utilize a lecture-based format and lab-based activities to prepare preservice teachers to develop physical literacy and health literacy for 6-12 grade students. During lab-based activities, preservice teachers will plan and implement physical education and health lessons to peers and 6th-12th grade students. Clinical practice hours are required in accordance with New Jersey state statues. Education majors only. Prerequisite: a minimum G.P.A of 3.00. Prerequisite or corequisite: ED-320.

ED-380 Middle Level Learning and Teaching **Credits: 3**
Prerequisite(s): ED-250, ED-320 and a minimum G.P.A. of 3.00
Term Offered: Spring Term
Course Type(s): None
The candidate will examine aspects of middle-level schooling that are responsive to the nature and needs of adolescents. The candidate will apply knowledge of adolescents' cognitive and affective development to design learning environments and to structure and implement learning experiences that effectively promote academic achievement and personal growth for all middle-grade students. The course includes research-based pedagogical strategies for teaching linguistically diverse students, those with diverse learning needs, incorporating instructional technology into the classroom and utilizing data to inform instruction. Clinical Experience hours required.

ED-398 Special Topics in Education (300 Level) **Credits: 1-3**
Course Type(s): None
An intensive study of a particular subject or problem in education to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. A minimum G.P.A. of 3.00 is required to take this course. If a prerequisite is required it will be announced in the course schedule.

ED-399 Independent Study in Education **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Independent research in education in an area not substantially treated in a regular course offering under the supervision of an education faculty member; written evaluation of the research is required. For students with superior ability. Students must have a minimum G.P.A. of 2.75 to take this course, along with prior permission of the directing professor and department chair.

ED-416 Clinical Practice **Credits: 8**
Term Offered: All Terms
Course Type(s): EX5
This full-time, full-semester clinical practice in a school setting requires clinical interns to observe, plan, instruct, and assess P-12 students collaborating with a cooperating teacher and university faculty. Clinical interns complete an edTPA portfolio and analyze their instruction and the effect on student achievement. In addition, there are on-campus seminars, focus groups and an online component. All aspects of the requirements are linked to the New Jersey Student Learning Standards (NJSLS) the NEW Jersey Professional Standards for Teachers (NJPST), and national Specialty Professional Association (SPA) standards. The course includes research-based pedagogical strategies for teaching linguistically diverse students, those with diverse learning needs, incorporating instructional technology into the classroom and utilizing data to inform instruction. Limited to Education majors. A minimum G.P.A. of 3.00 is required to take this course. Passing the appropriate state required teacher examinations, Senior standing, and approval of the department, are also required.

ED-416S Clinical Practice Seminar **Credits: 1**
Term Offered: All Terms
Course Type(s): None
A one-credit seminar to be taken in conjunction with Clinical Practice. Education majors only. A minimum G.P.A. of 3.00 is required to take this course.

ED-427 The Teaching of World Languages **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
This course is designed to prepare the World Language teacher candidate's understanding of the ACTFL performance guidelines and standards together with their application and assessment in the classroom. Various modes of teaching language will be explored including meaningful integration of the ACTFL 5 C's and Integrated Performance Assessments into each lesson. Professional development is explored and students must complete a professional Development Plan that includes joining professional affiliations. Preparation for the edTPA is included in this course with one lesson in the target language to be presented and videotaped in class for self and group assessment. This course will include pedagogical strategies related to teaching linguistically diverse students, students with diverse needs, using instructional technology and using data to inform instruction. These components provide the students with valuable pre-teaching experiences that will strengthen understanding of teaching strategies and capabilities. Also listed as FO-427. Clinical Hours are required.

ED-428 Culturally and Linguistically Responsive Teaching **Credits: 3**
Prerequisite(s): ED-250 and a minimum G.P.A. of 3.00
Course Type(s): OL
Students will focus on two aspects of culturally and linguistically responsive and relevant instruction. The first aspect is the focus on equity and diversity and the second aspect concentrates on pedagogy for infusing culturally and linguistically responsive teaching into instruction. Professionals will engage in self-reflection related to racism and other forms of discrimination in order to better understand how identities and ideologies impact everyday school practices and the educational experiences of all students, especially those from culturally and linguistically diverse backgrounds. The course also includes incorporating instructional technology into the classroom and utilizing data to inform instructions.

ED-498 Special Topics in Education (400 Level) **Credits: 1-3**
Term Offered: Spring Term
Course Type(s): None
An intensive study of a particular subject or problem in education to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. A minimum G.P.A. of 3.00 is required to take this course. If a prerequisite is required it will be announced in the course schedule.

ED-499 Independent Study in Education **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
Independent research in education in an area not substantially treated in a regular course offering under the supervision of an Education faculty member; written evaluation of the research is required. For students with superior ability. Prior permission of the directing professor and department chair and a minimum G.P.A. of 2.75 are required to take this course. Application must be filed before registration.

Education Educational Leadership (EDL)

EDL-280 Introduction to Early Childhood Education Credits: 3
Prerequisite(s): ED-250 and pass ED-PRETEST.
Term Offered: Spring Term
Course Type(s): None
This is an introductory course, which examines the historical, philosophical, and theoretical foundations of early childhood education. The course will cover major aspects of the physical, socio-emotional, and cognitive development of young children from birth to 8 years of age. The course addresses major theories and concepts of child development, early childhood ethics and professionalism, developmentally appropriate practice, diverse early childhood curriculum and programs, inclusion and special needs children, the use of technology, the use of data(formative and summative) to inform instruction, and home-school partnerships. The course covers the tenets of culturally responsive teaching in order to meet the needs of culturally and linguistically diverse children. Education Majors Only.

EDL-299 Independent Study in Educational Leadership Credits: 1-3
Course Type(s): None
Independent research in educational leadership in an area not substantially treated in a regular course offering under the supervision of an Educational Leadership faculty member; written evaluation of the research is required. For students with superior ability. Prior permission of the directing professor and department chair is required to take this course. Application must be filed before registration.

EDL-325 Language and Early Literacy Development, Birth Through Kindergarten Credits: 3
Term Offered: Spring Term
Course Type(s): None
This course, which involves a field experience, focuses on language development and early literacy of regular, special education, and young learners from culturally and linguistically diverse backgrounds, birth to kindergarten. The content includes the study of theories and acquisition of language development and sound awareness, the interrelated nature language development and literacy, the appropriate development and assessment of language and early literacy, using the results of the assessment and other formative and summative data to inform instruction, methods for engaging and motivating all young learners, the appropriate use of technology with young learners, and strategies for involving families and community members. Clinical Practice required. A minimum G.P.A. of 3.00 is required to take this course.

EDL-326 Literacy Instruction in P-6 Educational Settings I Credits: 3
Prerequisite(s): ED-250 and pass ED-PRETEST
Term Offered: All Terms
Course Type(s): None
Focuses on the literacy development and instruction of regular and special education children, including those from linguistically diverse backgrounds in grades P-6. Ongoing assessment and instructional strategies will be explored in various engaging, literate, educational settings. Education majors only. Clinical Experience required.

EDL-327 Methods of Teaching Content Area Literacy in the Inclusive Elementary Setting: Language Arts & Social Studies Credits: 3
Prerequisite(s): EN-101, EN-102, ED-320, ED-361, EDL-326, and EDS-350, and a minimum G.P.A. of 3.00.
Term Offered: All Terms
Course Type(s): WT
This course focuses on the literacy development of children, including those from diverse backgrounds in grades K-6. Ongoing assessment and instructional planning of modifications, accommodations, and strategies for integrating literacy within the language arts and social studies curricula will be explored. Special attention is noted for students with high incidence disabilities and the use of assistive technology. Education majors only. Clinical practice hours required. EDL-326, and EDS-350, and a minimum G.P.A. of 3.00.

EDL-333 Family Partnerships in Early Childhood Settings Credits: 3
Prerequisite(s): EN-101 and EN-102, ED-250 and a minimum G.P.A. of 3.00.
Term Offered: Fall Term
Course Type(s): WT
The course will cover the history and significance of family and community involvement in early childhood education: An overview of perspectives regarding family diversity, parent-professional partnerships and communication, early intervention and special education services, and the legal and ethical rights of diverse contemporary families of young children. Contextual factors, social, cultural, racial, exceptionality, and environment, known to impact learning, will be addressed with an approach to develop the skills and knowledge needed for teachers to create positive working relationships with families and communities. The use of appropriate data to inform instruction and a funds of knowledge (Moll, 1992) will be addressed. The appropriate use of technology in order to assist families in diverse ways to supplement classroom instruction at home will also be discussed. Limited to Education majors. Clinical Experience hours required.

EDL-364 Early Childhood Capstone Research Seminar Credits: 3
Prerequisite(s): EDL-333 and EDL-280
Term Offered: All Terms
Course Type(s): None
This course will examine basic principles and current research on early childhood curricula. The focus of the course is on designing an integrated, developmentally appropriate curriculum in order to strengthen all aspects of all children's development, including cognitive, language, social, emotional, and physical capabilities. Students are required to conduct action research focusing on their teaching philosophy, practices, and research understandings as reflective practitioners based on their field work. The course will discuss the appropriate teaching methods that meet children's individual, and developmental needs, with an emphasis on culturally responsive teaching in order to address the needs of linguistically and culturally diverse students as well as any students who have special education needs. The use of technology in order to collect formative summative data will also be addressed. Additionally, the results of the data collected to inform instruction will be addressed. The course will also focus on the importance of observation and authentic assessment in curriculum planning. The course will also address the use of creative play to support children's learning and development in early childhood settings, including the use of technology to support play and learning. Education majors only. A minimum G.P.A. of 3.00 is required to take this course. Clinical Practice hours required. Prerequisites: EDL-333 and EDL-280

EDL-398 Special Topics in Educational Leadership Credits: 3
Term Offered: Spring Term
Course Type(s): None
An intensive study of a particular subject or problem in education to be announced prior to registration. The course may be conducted on either a lecture-discussion or a seminar basis. A minimum G.P.A. of 3.00 is required to take this course. If a prerequisite is required it will be announced in the course schedule.

EDL-399 Independent Study in Educational Leadership Credits: 1-3
Term Offered: All Terms
Course Type(s): None
Independent research in educational leadership in an area not substantially treated in a regular course offering under the supervision of an Educational Leadership faculty member; written evaluation of the research is required. For students with superior ability. Prior permission of the directing professor and department chair is required to take this course. Application must be filed before registration.

EDL-499 Independent Study in Educational Leadership Credits: 1-3
Course Type(s): None
Independent research in educational leadership in an area not substantially treated in a regular course offering under the supervision of an Educational Leadership faculty member; written evaluation of the research is required. For students with superior ability. Prior permission of the directing professor and department chair is required to take this course. Application must be filed before registration.

Education Special Education (EDS)

EDS-330 Foundations of Special Education: Child & Adolescent Development and Transition to Adulthood Credits: 3
Prerequisite(s): EN-101 and EN-102 and ED-250, pass ED-PRETEST, and a minimum G.P.A. of 3.00
Course Type(s): WT
Philosophical, historical, and legal foundations of special education. The Council of Exceptional Children (CEC) Code of Ethics and Standards for Practice are studied. Exploration of the similarities and differences among the cognitive, physical, cultural, social, and emotional needs of individuals with disabilities across the lifespan, including adolescent concerns and transition to adulthood. Examination of the educational implications of characteristics of various exceptionalities such as Autism Spectrum Disorders (ASD), Specific Learning Disabilities (SLD), ADHD, intellectual & developmental disabilities, emotional disabilities, and orthopedic impairment. Educational implications for learners from diverse cultures and second language learners will also be addressed through discussions on family characteristics and family systems theory. An overview of a continuum of service delivery models will be explored with implications for various learners. Education majors only. Clinical hours required.

EDS-332 Family/School/Community Partnerships and Resources, P-12 Credits: 3
Prerequisite(s): ED-250 and EDS-330;
Term Offered: All Terms
Course Type(s): None
Focus on the legal and historical perspectives of family involvement in special education. Family systems theory and parent-professional partnerships in decision making are included for all learners, P-12. Identifying appropriate community resources for persons with and without disabilities and their families and strategies for transition and career planning are addressed. Education majors only. A minimum GPA of 3.00 is required to take this course.

EDS-336 Classroom Management Credits: 3
Prerequisite(s): EDS-330 and a minimum G.P.A. of 3.00
Term Offered: All Terms
Course Type(s): None
The study and application of various theories of behavior management for students with and without disabilities. Practical application of theories for classrooms are included. Addressing social competence skills and facilitating positive interpersonal relationships in classrooms are discussed. Clinical Experience hours required. Education majors only.

EDS-337 Special Education Strategies in P-6 Social Studies and Content Instruction Credits: 3
Prerequisite(s): EDS-330, EDS-336, EDS-338 and EDS-350
Term Offered: All Terms
Course Type(s): None
Course content includes the development of educational programs and applications of social studies and content area curricula, methods, and materials appropriate for the strengths and needs of all students, including those with disabilities, in inclusive settings in P-6 schools. Course content will emphasize national and state standards for social studies education, cross-curriculum integration, particularly world languages and culture, personal and social problem solving, and situated cognition in social studies education learning. The essential elements of planning, instruction using technology, and assessment based on research and data are explored to teach students, including those with disabilities. Focus on identifying and creating adaptations to support students with difficulty learning in inclusive classrooms. Education majors only. A minimum GPA of 3.0 is required to take this course. Clinical hours required.

EDS-338 Assessment Approaches, P-12 Credits: 3
Prerequisite(s): EDS-330 and a minimum G.P.A. of 3.00
Term Offered: All Terms
Course Type(s): None
An introduction to the use of assessment in making decisions about instructional grouping, exceptionality, eligibility, and educational programming. Students in this course will learn about ethical standards for professional practice and standardized and teacher-developed assessment procedures. Practice is provided in using assessment data to make decisions about placement in a curriculum, pupil progress, appropriate measurable long-term goals and short-term instructional objectives, and selection of instructional strategies. The importance of parent participation in decision-making is included. Use of formal and informal assessment strategies are included. Education majors only.

EDS-342 Instructional Methods and Materials for Students with Disabilities Credits: 3
Prerequisite(s): EDS-330, EDS-336, EDS-338, and a minimum G.P.A. of 3.00
Term Offered: Spring Term
Course Type(s): None
Study and application of research-based methods, curriculum, and materials for students with disabilities. Focus on identifying and creating accommodations and modifications to meet the needs of all students in special education and inclusive settings. Includes pedagogy that is applicable to teaching literacy to struggling readers and students with disabilities, including literacy in the content areas. Clinical hours required. Education majors only.

EDS-350 Individualizing Curricula and Systematic Instruction for Special Education **Credits: 3**
Prerequisite(s): EDS-330 and a minimum G.P.A. of 3.00
Term Offered: All Terms
Course Type(s): None
The development and application of research-based, effective teaching techniques, necessary adaptations, and supports to meet the learning needs of exceptional students, prescriptive models for intervention, and ways of observing, recording, and responding to behaviors. Clinical Experience hours required. Education majors only.

EDS-352 Curricula, Methods, and Materials for Learners with Difficulties **Credits: 3**
Prerequisite(s): EDS-330, EDS-336, EDS-338 and a minimum G.P.A. of 3.00
Term Offered: All Terms
Course Type(s): None
The development of educational programs and applications of curricula, methods, and materials appropriate for the strengths and needs of all students with disabilities and/or difficulties in special education and inclusive settings. Focus on identifying and creating adaptations to support students with difficulty learning in classrooms. Clinical Hours required. Education majors only.

EDS-398 Special Topics in Special Education **Credits: 1-3**
Course Type(s): None
An intensive study of a particular subject or problem in education to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. A minimum G.P.A. of 3.00 is required to take this course. If a prerequisite is required it will be announced in the course schedule.

EDS-399 Independent Study in Special Education **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Independent study in special education in an area not substantially treated in a regular course offering under the supervision of a special education faculty member; written evaluation of the research is required. For students with superior ability. Students must have a minimum G.P.A. of 2.75 to take this course, along with prior permission of the directing professor and department chair.

EDS-499 Independent Study in Special Education **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Independent research in education in an area not substantially treated in a regular course offering under the supervision of an Education faculty member; written evaluation of the research is required. For students with superior ability. Prior permission of the directing professor and department chair is required to take this course. Application must be filed before registration.

English (EN)

EN-100 Writing Workshop **Credits: 3**
Term Offered: Summer Term
Course Type(s): None
Development of skills useful for essay writing; opportunity to write in other forms; and projects to fit individual student needs. Offered in summer only; restricted to EOF students.

EN-101 College Composition I **Credits: 3**
Term Offered: All Terms
Course Type(s): None
A college-level writing course designed to prepare students to make the transition from high school to college by familiarizing them with the standards for academic writing they will encounter throughout their educational and professional careers. Students will gain intense experience in writing academic prose that demonstrates knowledge, understanding, analysis, and application of ideas from a variety of progressively sophisticated and interrelated texts.

EN-102 College Composition II **Credits: 3**
Prerequisite(s): EN-101
Term Offered: All Terms
Course Type(s): None
Reinforces and expands the reading and writing activities taught in English 101 (academic writing demonstrating knowledge, understanding, analysis, and application of ideas). In addition to sustaining what has already been learned in other writing courses, EN 102 focuses on the academic "research" essay as a fundamental written form needed across the disciplines.

EN-201 Literature I: Ancient Through Renaissance **Credits: 3**
Prerequisite(s): EN-101 and EN-102
Term Offered: All Terms
Course Type(s): LIT
Works from the Ancient, Medieval, and Renaissance periods.

EN-202 Literature II: Neoclassical to the Present **Credits: 3**
Prerequisite(s): EN-101 and EN-102
Term Offered: All Terms
Course Type(s): LIT
Works from the Renaissance to the present.

EN-209 Literature and the Environment **Credits: 3**
Course Type(s): LIT
Ecocriticism, also called environmental criticism, examines the ways in which literary texts represent the natural world and human relationships with it. This course examines literary works from the pre-modern period through the twenty-first century, from anglophone and other traditions, to investigate how they represent natural and constructed environments, humans and non-human animals, how humans have interacted with the environment, and how constructed human categories such as race, gender, religion, and disability interact with various environments.

EN-211 Environment and Pre-Modern Literature **Credits: 3**
Prerequisite(s): EN-101 and EN-102
Term Offered: All Terms
Course Type(s): LIT
Environmental criticism, sometimes called "ecocriticism", examines the ways in which literary texts represent the natural world and human relationships with it. Looks at several works from the Ancient and Medieval periods, considering how people from different times and places before the modern era think about "nature" and natural resources.

EN-212 Literature of Oppression **Credits: 3**
Prerequisite(s): EN-101 and EN-102
Term Offered: All Terms
Course Type(s): ADS, LIT
Selected works of the eighteenth, nineteenth, and twentieth centuries are covered, with attention to representations of oppression as displayed in slavery, colonialism, imperialism, and post-colonial responses.

EN-213 Tragedy and the Tragic **Credits: 3**
Prerequisite(s): EN-101 and EN-102
Term Offered: All Terms
Course Type(s): LIT
Explores the nature of literary tragedy by having students consider the conventions of both classical and Shakespearean tragedy and decide whether literary narratives that are merely sad - particularly those in contemporary times and from genres other than drama - may similarly be termed "tragedy".

EN-214 The Irish: Home and Abroad **Credits: 3**
Prerequisite(s): EN-101 and EN-102
Term Offered: All Terms
Course Type(s): LIT
A comparison of the Irish epic The Tain to The Odyssey and exploration of the literature and culture of Ireland and the Irish diaspora, which may include writers of Irish descent from Canada, the U.S., Australia, South America, and other parts of the world.

EN-215 Vampire Literature: Bite Me **Credits: 3**
Prerequisite(s): EN-101 and EN-102
Term Offered: All Terms
Course Type(s): LIT
Literature about vampires starting with nineteenth-century European texts and moving into the twentieth and twenty-first centuries in the Americas. These texts involve themes of vampirism representative to cultural, ethical, and political issues for their times.

EN-216 Illness in Literature **Credits: 3**
Prerequisite(s): EN-101 and EN-102
Term Offered: All Terms
Course Type(s): HE.EL, HEPE, LIT
An examination of illness in literature.

EN-217 Rebirth in Comedy **Credits: 3**
Prerequisite(s): EN-101 and EN-102
Term Offered: Spring Term
Course Type(s): LIT
Selected texts of the tradition of comedy, from Ancient Greece to the present, including plays, novels, and movies.

EN-218 Here Be Dragons: Heroic Journeys **Credits: 3**
Prerequisite(s): EN-101 and EN-102
Term Offered: All Terms
Course Type(s): LIT
Explores representative heroic journeys in literature. These heroes follow an archetypal path outlined by mythologist Joseph Campbell. The diverse heroes arrive to understand and engage ethical, moral, political, gender, social, economic, and ethnic challenges. They must learn to develop beyond their limitations and flaws in order to face the dragon, danger and evil, and to lead and save a people, place, and/or idea.

EN-219 Science Fiction **Credits: 3**
Prerequisite(s): EN-101 and EN-102 or equivalent
Term Offered: Spring Term
Course Type(s): LIT
This LIT course on the literature of Science Fiction is designed to introduce students to the genre of Science Fiction (SF) from works that were written between the mid-nineteenth century and the late twentieth. As a uniquely modern form of literature, it is important to contextualize the genre historically, politically, and culturally, as it reflects attitudes about science, progress, and the human condition that dominated at the time the works were written and, often, provide clues to cultural orientations that persist to this day. We will examine both SF short stories and novels to more clearly understand how this genre of literature has become one of the most popular forms of social commentary on the past, present, and future of humanity.

EN-220 Literature of the Sea **Credits: 3**
Prerequisite(s): EN-101 and EN-102
Term Offered: All Terms
Course Type(s): LIT
Literature of the sea since the Enlightenment with major texts representing diverse nations and global contexts.

EN-221 Literature and the Environment **Credits: 3**
Prerequisite(s): EN-101 and EN-102
Term Offered: All Terms
Course Type(s): LIT, OL
Ecocriticism, also called environmental criticism, examines the ways in which literary texts represent the natural world and human relationships with it. This course examines literary works from the pre-modern period through the twenty-first century, from anglophone and other traditions, to investigate how they represent natural and constructed environments, humans and non-human animals, how humans have interacted with the environment, and how constructed human categories such as race, gender, religion, and disability interact with various environments.

EN-222 Superheroes: Echoes of Epic **Credits: 3**
Prerequisite(s): EN-101 and EN-102
Term Offered: All Terms
Course Type(s): LIT
Close reading and analysis of narratives based on epic myths from Ancient through Contemporary periods in order to develop students' critical judgement of the texts and their knowledge of relevant historical, aesthetic, cultural, and ethical backgrounds, Development of writing and research abilities, building on skills learned in EN-101 and EN-102 (prerequisites) This course fulfills the General Education LIT requirement.

EN-223 The Campus Novel **Credits: 3**
Prerequisite(s): EN-101 and EN-102
Term Offered: All Terms
Course Type(s): LIT
Explores literature depicting the college experience, campus life, and scholarly pursuits. Novels, short stories, and plays from the early 20th century to the present will be considered, as well as essays on campus related issues and controversies.

EN-224 Ghost Stories and Other Haunting Tales **Credits: 3**
Prerequisite(s): EN-101 and EN-102
Term Offered: All Terms
Course Type(s): LIT
Close reading and analysis of ghost stories from ancient through contemporary periods in order to develop students' critical judgement of the texts and their knowledge of relevant historical, aesthetic, cultural, and ethical backgrounds. Development of writing and research abilities, building on skills learned in EN-101 and EN-102.

EN-225 Legal Fictions: Literature and the Law **Credits: 3**
Prerequisite(s): EN-101 and EN-102
Term Offered: All Terms
Course Type(s): LIT
Close reading and analysis of literary narratives about the law and justice from Ancient through Contemporary periods in order to develop students' critical judgment of the texts and their knowledge of relevant historical, aesthetic, cultural, and ethical backgrounds. Development of writing and research abilities, building on skills learned in EN-101 and EN-102 (prerequisites). This course fulfills the General Education LIT requirement.

EN-226 Literary Studies for English Majors **Credits: 3**
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): WT
An introduction to literary studies. Close study of representative texts in fiction, poetry, drama, the essay, and literary theory and criticism; writing of analytical essays, integrating close reading of text with theoretical critical approaches.

EN-227 Foundations of British Literature **Credits: 3**
Prerequisite(s): EN-101 and EN-102; or permission of the instructor
Term Offered: All Terms
Course Type(s): LIT, ENCWU
A British and Irish literature survey from the Middle Ages through the late eighteenth century, emphasizing close analysis of texts and fundamental approaches to critical writing.

EN-228 Foundations of American Literature **Credits: 3**
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): LIT, ENCWU
An American literature survey from the Colonial period to the Civil War, emphasizing fundamental critical terms and concepts and the use of writing to explore relationships between literature and criticism.

EN-229 Non-European Literature in English **Credits: 3**
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): GU, LIT, ENCWU
Survey of national literature from the non-western, non-European world. Literary analysis and class reading of selected prose, poetry and dramatic literature.

EN-251 Creative Writing: Introduction **Credits: 3**
Prerequisite(s): EN-101 and EN-102
Term Offered: All Terms
Course Type(s): None
Students analyze in a workshop setting readings in two or more genres of literature (poetry, fiction, drama, non-fiction) to observe techniques in craft, and present their own creative writings for intensive examination by workshop participants.

EN-252 Creative Writing: Fiction **Credits: 3**
Prerequisite(s): EN-251 or permission of the instructor
Term Offered: All Terms
Course Type(s): ENCWU
Short-story writing with critiques. This course is repeatable once for credit, with departmental permission.

EN-253 Creative Writing: Poetry **Credits: 3**
Prerequisite(s): EN-251 or permission of the instructor
Term Offered: Spring Term
Course Type(s): ENCWU
Experiment with a variety of verse forms and techniques for the purpose of developing creativity and deepening the appreciation of poetry. Repeatable once for credit, with departmental permission.

EN-254 Creative Writing: Drama **Credits: 3**
Prerequisite(s): EN-251 or permission of the instructor
Term Offered: All Terms
Course Type(s): ENCWU
The writing of one-act plays; development of comic and dramatic techniques. Repeatable once for credit with departmental permission.

EN-255 Creative Writing: Non-Fiction **Credits: 3**
Prerequisite(s): EN-251 or permission of the instructor
Term Offered: Spring Term
Course Type(s): ENCWU
Development of advanced writing skills to explore a variety of personal essay forms, such as the memoir, travel writing, and the lyric essay. Repeatable once for credit, with departmental permission.

EN-271 Professional Writing **Credits: 3**
Prerequisite(s): EN-101 and EN-102
Term Offered: All Terms
Course Type(s): TL
An advanced writing workshop introducing the rhetorical principles and writing practices necessary for producing appropriate workplace writing; emphasis on a wide range of audiences, genres, ethical issues and contexts that professional writers commonly encounter.

EN-298 Special Topics in English (200 Level) **Credits: 1-3**
Prerequisite(s): EN-101 and EN-102
Term Offered: Spring Term
Course Type(s): None
An intensive study of a particular subject or problem in English to be announced prior to registration. The course may be conducted on either a lecture-discussion or a seminar basis.

EN-299 Independent Study in English **Credits: 3**
Prerequisite(s): EN-101 and EN-102, three credits from any course with a designation of LIT, and permission of the instructor
Term Offered: All Terms
Course Type(s): None
Independent Study in English: Reading, writing, and research on a selected topic under the direction of an English department faculty member. For the CW or any of the Writing Minors, development of a major writing project under the guidance of a faculty member.

EN-305 Shakespeare I **Credits: 3**
Prerequisite(s): EN-101 and EN-102, and three credits from any course with a course designation of LIT
Term Offered: All Terms
Course Type(s): WT
Shakespeare's life and times; theatrical conventions of the Elizabethan stage; close reading of dramatic poetry in representative early comedies, histories and tragedies.

EN-306 Shakespeare II **Credits: 3**
Prerequisite(s): EN-101, EN-102, and three credits from any course with a designation of LIT
Term Offered: Spring Term
Course Type(s): WT
Shakespeare's life and times, his dramatic technique, and the conventions of the Elizabethan stage, with emphasis on the later tragedies and romances.

EN-307 Middle English Literature **Credits: 3**
Prerequisite(s): EN-101, EN-102, and three credits from any course with a designation of LIT
Term Offered: Fall Term
Course Type(s): None
Arthurian legends, dream visions, and the beginnings of English drama, from the twelfth through fifteenth centuries, in translation or in Middle English.

EN-309 Renaissance in England **Credits: 3**
Prerequisite(s): EN-101, EN-102, and three credits from any course with a designation of LIT
Term Offered: Spring Term
Course Type(s): None
Poetry, prose, and drama from the reign of Elizabeth I through the Protectorate, excluding Shakespeare. Authors may include: Spenser, Marlowe, Webster, Sidney, Bacon, Donne, Milton, and Marvell.

EN-310 Restoration and Augustan Literature **Credits: 3**
Prerequisite(s): EN-101, EN-102, and three credits from any course with a designation of LIT
Term Offered: All Terms
Course Type(s): None
Survey of British poetry, prose and drama from the Restoration to the late eighteenth century, with special attention to genre and the development of the novel. Authors may include: Behn, Defore, Swift, Pope, Johnson, Burney, Gray, Leapor, Austen, and Cowper.

EN-312 British Romantic Literature **Credits: 3**
Prerequisite(s): EN-101, EN-102, and three credits from any course with a designation of LIT
Term Offered: All Terms
Course Type(s): None
The romantic involvement with self, including major poets and prose writers from Blake through Shelley.

EN-315 British Victorian Literature **Credits: 3**
Prerequisite(s): EN-101, EN-102, and three credits from any course with a designation of LIT
Term Offered: Spring Term
Course Type(s): None
The post-romantic literature of crisis among the Victorians. Authors may include: Carlyle, Tennyson, the Brontes, and Browning.

EN-316 Modern British and Irish Literature **Credits: 3**
Prerequisite(s): EN-101, EN-102, and three credits from any course with a designation of LIT
Term Offered: Spring Term
Course Type(s): None
British and Irish writers from the 1890's through the Second World War, including W.B. Yeats, James Joyce, Virginia Woolf, and Stevie Smith.

EN-318 Contemporary British and Irish Literature **Credits: 3**
Prerequisite(s): EN-101, EN-102, and three credits from any course with a designation of LIT
Term Offered: Spring Term
Course Type(s): None
British and Irish writers since the Second World War, including Samuel Beckett, Philip Larkin, and Seamus Heaney.

EN-319 Modern and Contemporary Irish Drama **Credits: 3**
Prerequisite(s): EN-101, EN-102, and 3 credits from any course with a course type of LIT.
Course Type(s): None
A study of Irish drama from the turn of the twentieth century to the present day. Authors may include Yeats, O'Casey, Beckett, and McPherson.

EN-324 Literature of Colonial America **Credits: 3**
Prerequisite(s): EN-101, EN-102, and three credits from any course with a designation of LIT
Term Offered: All Terms
Course Type(s): None
Major genres, texts, and narratives of the early Americas, from exploration and conquest to colonization. May include Native American narrative and poetry as well as the following writers: Cabeza de Vaca, John Smith, Mary Rowlandson, William Bradford, Anne Bradstreet, Jonathan Edwards, Edward Taylor, Benjamin Franklin, William Byrd, and Sarah Kemble Knight.

EN-327 Mid-Nineteenth Century American Literature **Credits: 3**
Prerequisite(s): EN-101, EN-102, and three credits from any course with a designation of LIT
Term Offered: All Terms
Course Type(s): None
Literature of the United States from the rise of transcendentalism to the Civil War. Authors may include: Poe, Emerson, Thoreau, Whitman, Stowe, Douglass, Melville, and Hawthorne.

EN-329 American Realism **Credits: 3**
Prerequisite(s): EN-101, EN-102, and three credits from any course with a designation of LIT
Term Offered: Spring Term
Course Type(s): None
American literature from 1870 to 1910, emphasizing developments in realistic fiction and poetry.

EN-331 Twentieth Century African American Literature **Credits: 3**
Prerequisite(s): EN-101, EN-102, and three credits from any course with a designation of LIT
Term Offered: All Terms
Course Type(s): ADS
An overview of African American poetry, drama, fiction and non-fiction in the context of the Harlem Renaissance, the Civil Rights movement, the African American feminist movement, and the new African American Renaissance, while considering the contemporary events and literary movements that affected the writers. Authors include McKay, Hurston, Hughes, Baldwin, Morrison, Walker, Angelou, Wilson.

EN-332 Modern American Literature **Credits: 3**
Prerequisite(s): EN-101, EN-102, and three credits from any course with a designation of LIT
Term Offered: Spring Term
Course Type(s): None
American writers from World War I to World War II, including Willa Cather, William Faulkner, Robert Frost, and Richard Wright.

EN-334 Contemporary American Literature **Credits: 3**
Prerequisite(s): EN-101, EN-102, and three credits from any course with a designation of LIT
Term Offered: Spring Term
Course Type(s): None
American writers from World War II to the present, including Arthur Miller, James Baldwin, John Updike, and Elizabeth Bishop.

EN-342 Children's and Young Adult Literature **Credits: 3**
Prerequisite(s): EN-101, EN-102 and three credits from any course with a course type of LIT
Term Offered: All Terms
Course Type(s): WT
Examines contemporary chapter books, pre-adolescent illustrated texts, and young adult literature, including realism, fantasy, and science fiction, as well as poetry. Through an exploration of representative authors, works, genres, and criticism, the course emphasizes trends and developments in literature written for children and youth. An introduction to basic bibliographic tools and review media is included. Authors studied may include: Maurice Sendak, Roald Dahl, E.B. White, J.K. Rowling, Jack Prelutsky, Lemony Snicket, Sandra Disneros, and winners of the Caldecott and Newberry Medals. EN-342 does not fulfill the 300-level English elective requirement for English majors.

EN-352 Craft of Writing **Credits: 3**
Prerequisite(s): EN-251 or permission of the instructor
Term Offered: All Terms
Course Type(s): ENCWU
An in-depth study of the creative writing process, either single - or multi - genre. Students may develop a craft workbook that focuses on both traditional and contemporary literary forms and strategies. Students write by assignment and develop techniques of reviewing in order to compare and contrast major authors' aesthetics with their own creative gestures. A final portfolio may consist of approximately thirty pages of revised fiction, nonfiction, or drama, or approximately fifteen pages of revised poetry, or twenty to twenty-five pages, revised, of some combination of genres agreed upon between the student and the professor. The collection should be titled and given a cohesive arrangement. Repeatable once for credit, with departmental permission. Open only to students with a creative writing concentration and minor only.

EN-373 The Art and Practice of Persuasion **Credits: 3**
Prerequisite(s): EN-101, EN-102, and three credits from any course with a designation of LIT
Term Offered: Fall Term
Course Type(s): None
Classical and contemporary perspectives on the nature, functions, and scope of persuasion and rhetoric. Potential print and visual texts for analysis include but are not limited to non-fiction prose, novels, short fiction, speeches, films, video clips, and Web sites.

EN-384 Language and Community **Credits: 3**
Term Offered: All Terms
Course Type(s): EX5
This course helps students explore a broad range of career options. Through readings, interviews, guest speakers, and outside-the-classroom experiences, students will take ownership of their own professional identities and career trajectories. This course does not qualify as a 300+ English elective.

EN-388 Cooperative Education: English **Credits: 1-3**
Prerequisite(s): Completion of all required 100- and 200-level EN courses and at least two EN electives at the 200-level or higher; permission of department chair may also be required.
Course Type(s): EX2
Integration and application of knowledge gained in the academic setting with career-related or community experiences. Work in an external setting, meeting at least three times in the semester with a faculty sponsor from the English department to establish reasonable goals and expectations for the experience, to determine progress at or near the mid-term and to make the final presentation-oral and written-for evaluation. This course may be repeated for credit.

EN-389 Internship in English **Credits: 1-3**
Term Offered: All Terms
Course Type(s): EX1
Supervised practical experience in English; repeatable for credit. Departmental approval and Junior standing are required to take this course.

EN-398 Special Topics in English (300 Level) **Credits: 1-3**
Prerequisite(s): three credits from any course with a designation of LIT or permission of the instructor
Term Offered: All Terms
Course Type(s): None
An intensive study of a particular subject or problem in English to be announced prior to registration.

EN-399 Independent Study in English **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
Reading and research on a selected topic under the direction of an English department faculty member. Prior permission of the directing professor and department chair is required to take this course.

EN-405 Chaucer **Credits: 3**
Prerequisite(s): EN-101, EN-102, EN-226, three credits from any course with a designation of LIT, and one course from either EN-227, EN-228, or EN-229, or written permission of the instructor
Term Offered: Fall Term
Course Type(s): None
Selections from the Canterbury Tales, Troilus and Criseyde, and short poems in Middle English.

EN-410 What is a Book? **Credits: 3**
Prerequisite(s): EN-101, EN-102, EN-226, three credits from any course with a designation of LIT, and one course from either EN-227, EN-228, or EN-229, or written permission of the instructor
Term Offered: Spring Term
Course Type(s): WT
A study of texts and codices in the transitions from manuscript to print and from print to digital which serves as a basis for exploring what can be both lost and gained in our current movement to digital transmission.

EN-414 Place and Space in American Literature Credits: 3
Prerequisite(s): EN-101, EN-102, EN-226, three credits from any course with a designation of LIT, and one course from either EN-227, EN-228, and EN-229, or written permission of the instructor
Term Offered: Spring Term
Course Type(s): None
Defines and differentiates spaces and places in various genres of American literature and explores how select texts reflect aspects of American regions, time periods, literary groups, culture, politics, history, aesthetics, identity, and/or mores. Students will analyze and interpret what diverse places and spaces represent and will apply theory about space and place in their evaluation of select literature.

EN-415 New Jersey Literature Credits: 3
Prerequisite(s): EN-101, EN-102, EN-226, three credits from any course with a designation of LIT, one course from either EN-227, EN-228, or EN-229, or written permission of the instructor
Term Offered: All Terms
Course Type(s): None
An advanced survey of New Jersey literary history from the Colonial period to the present.

EN-416 Secret Gardens: Classic Children's Literature Credits: 3
Prerequisite(s): EN-101, EN-102, EN-226, three credits from any course with a designation of LIT, and one course from either EN-227, EN-228, or EN-229, or written permission of the instructor
Term Offered: Spring Term
Course Type(s): None
English-language children's literature, focusing on "Golden Age" illustrated narratives by authors such as Nesbit, Burnett, Milne, and Grahame, but also including poetry and earlier prose fiction by Carroll and Alcott.

EN-417 Writing World War II in Britain Credits: 3
Prerequisite(s): EN-101, EN-102, EN-226, three credits from courses with a designation of LIT, and one course from either EN-227, EN-228, or EN-229, or written permission of the instructor
Term Offered: All Terms
Course Type(s): None
Major poems and prose of World War II Britain that treat the Battle of Britain, the Blitz, the Holocaust, and the North Africa campaign.

EN-421 African Diaspora Literatures Credits: 3
Prerequisite(s): EN-101, EN-102, EN-226, 3 credits from any course with a designation of LIT, and one course from either EN-227, EN-228, EN-229, or written permission of the instructor
Term Offered: Spring Term
Course Type(s): ADS, RE
The study of the twentieth century literatures of worldwide African Diaspora. Primary texts will be drawn from different genres - prose, poetry, and drama - and will represent the different shores and locations of African Diasporas worldwide.

EN-424 Postmodern Literature Credits: 3
Prerequisite(s): EN-101, EN-102, EN-226, three credits from any course with a designation of LIT, and one course from either EN-227, EN-228, or EN-229, or written permission of the instructor
Term Offered: Spring Term
Course Type(s): None
Explores the works of key figures in postmodern American and/or British literature and includes a study of theoretical structures and cultural changes that help define literary postmodernism.

EN-425 Postcolonial Literature Credits: 3
Prerequisite(s): EN-101, EN-102, EN-226, three credits from any course with a designation of LIT, and one course from either EN-227, EN-228, or EN-229, or written permission of the instructor
Term Offered: All Terms
Course Type(s): ADS, RE
Selected literary representations of colonial and postcolonial discourses in literature, theory, and criticism. Focus on creative representation from African nations, the Caribbean, and the Indian Subcontinent.

EN-426 The Short Story in English Credits: 3
Prerequisite(s): EN-101, EN-102, EN-226, three credits from any course with a designation of LIT, and one course from either EN-227, EN-228, or EN-229, or written permission of the instructor
Term Offered: Fall Term
Course Type(s): None
Development of the short story genre in English from the eighteenth century to the present, including critical readings.

EN-427 Contemporary Poetry Credits: 3
Prerequisite(s): EN-101, EN-102, EN-226, three credits from any course with a designation of LIT, one course from either EN-227, EN-228, or EN-229, or written permission of the instructor
Term Offered: Fall Term
Course Type(s): None
Analysis of selected, recent poets to evaluate developments in contemporary verse.

EN-428 Novel in English Credits: 3
Prerequisite(s): EN-101, EN-102, EN-226, three credits from any course with a designation of LIT, and one course from either EN-227, EN-228, or EN-229, or written permission of the instructor
Course Type(s): None
The development of long prose fiction from the eighteenth century to the present, with consideration of criticism that defines the novel as a genre.

EN-430 Nature of Tragedy Credits: 3
Prerequisite(s): EN-101, EN-102, EN-226 three credits from any course with a designation of LIT and one course from either EN-227, EN-228, or EN-229, or written permission of the instructor
Term Offered: Spring Term
Course Type(s): None
Tragic literature in various genres and periods from the ancient Greeks to the present.

EN-431 Contemporary Women Novelists Credits: 3
Prerequisite(s): EN-101, EN-102, EN-226, three credits for any course with a designation of LIT, and one course from either EN-227, EN-228, or EN-229, or written permission of the instructor
Term Offered: Spring Term
Course Type(s): GS
Critical analysis of selected novels in English by women from both literary, gender, and feminist perspectives.

EN-441 Criticism and Theory Credits: 3
Prerequisite(s): EN-101, EN-102, EN-226, three credits from any course with a designation of LIT, and one course from EN-227, EN-228, or EN-229, or written permission of the instructor.
Term Offered: Spring Term
Course Type(s): WT
Classic literary criticism and/or contemporary critical theory from Aristotle to Coleridge, Marx to Derrida, addressing how, why, and what we read. This course does not and cannot satisfy the Monmouth University LIT requirement.

EN-442 Language and Linguistics **Credits: 3**
Prerequisite(s): EN-101, EN-102, EN-226, three credits from any course with a designation of LIT and one course from EN-227 or EN-228 or EN-229, or written permission of the instructor
Term Offered: Spring Term
Course Type(s): TL
A grounding in the structural aspects of general linguistics: morphology, syntax, semantics, phonology, and pragmatics. Examines the structure of the English language, including nouns and noun classes, ways of talking about actions and states, how ideas are combined into complex sentences, and how context and purpose affect how we use language. Also considers differences between learning a first and second language.

EN-443 History of the English Language **Credits: 3**
Prerequisite(s): EN-101, EN-102, EN-226, three credits from any course with a designation of LIT, and one course from either EN-227, EN-228, or EN-229, or written permission of the instructor
Term Offered: All Terms
Course Type(s): WT
The development of the English language from its Indo-European roots to the present, including both linguistic and cultural factors in language change.

EN-451 Advanced Creative Writing **Credits: 3**
Prerequisite(s): EN-226 and EN-251 or permission of the instructor
Term Offered: All Terms
Course Type(s): ENCWU
Students analyze in a workshop-setting longer works (long poems and/or poetic-sequences; novellas; plays; creative nonfiction) in American and World literature to observe techniques in craft, and present their own capacious, sustained, and at times self-generative creative writings for intensive full-revised and cohesive final portfolio of a length appropriate to the genre. Open only to students with a creative writing concentration or minor only. This course may be repeated once for credit.

EN-470 Theory and Practice of Writing **Credits: 3**
Prerequisite(s): EN-101, EN-102, three credits from any course with a designation of LIT, or written permission of the instructor.
Term Offered: All Terms
Course Type(s): HY, WT
Instruction in theories of expressive and expository writing and integration of language skills, with a focus on writing process research and its applications. Cannot be taken as an English 300+ elective. Limited to Elementary Education, ISEE, and ECEE majors only.

EN-474 Approaches to Composition Theory **Credits: 3**
Prerequisite(s): EN-101, EN-102, EN-226, three credits from any course with a designation of LIT, and one course from either EN-227, EN-228, or EN-229, or written permission of the instructor
Term Offered: Fall Term
Course Type(s): WT
Instructions in the foundations of composition theory, with a focus on writing process research and its applications. Cannot be taken as an English 300+ elective. Limited to Secondary Education majors only.

EN-475 Writing for Digital Audiences **Credits: 3**
Prerequisite(s): EN-101, EN-102, EN-271; or permission of the instructor.
Term Offered: All Terms
Course Type(s): None
A study of theories and concepts of writing and rhetoric in digital media with emphasis on the uses of verbal and visual media in digital spaces, such as web sites, blogs, web articles, and social media. Topics examined include authorship and copyright, digital rhetoric, digital composition processes, multimodal composition theory, theories of new media, and theories of systemic oppression in digitally composed spaces and content.

EN-488 Cooperative Education: English **Credits: 1-3**
Prerequisite(s): Completion of all required 100- and 200-level EN courses and at least two EN electives at the 200-level or higher; permission of department chair may also be required.
Course Type(s): EX2
Integration and application of knowledge gained in the academic setting with career-related or community experiences. Work in an external setting, meeting at least three times in the semester with a faculty sponsor from the English department to establish reasonable goals and expectations for the experience, to determine progress at or near the mid-term and to make the final presentation- oral and written-for evaluation. This course may be repeated for credit.

EN-489 Internship in English **Credits: 1-3**
Term Offered: All Terms
Course Type(s): EX1
Supervised practical experience in English; repeatable for credit. Departmental approval and Junior standing are required to take this course.

EN-491 Seminar in English **Credits: 3**
Prerequisite(s): EN-101, EN-102, EN-226, three credits from any course with a designation of LIT, and one course from either EN-227, EN-228, or EN-229, or written permission of the instructor
Term Offered: All Terms
Course Type(s): None
A concentrated study on a single author, a related group of authors, or a single topic or theme, which includes the production of a scholarly paper based on substantial, independent research. This course is repeatable for credit.

EN-498 Special Topics in English (400 Level) **Credits: 1-3**
Prerequisite(s): EN-101, EN-102, EN-226, three credits from any course with a designation of LIT, and one course from either EN-227, EN-228, and EN-229, or written permission of the instructor
Term Offered: All Terms
Course Type(s): None
An intensive study of a particular subject or problem in English to be announced prior to registration.

EN-499 Independent Study in English **Credits: 1-3**
Prerequisite(s): EN-101, EN-102, EN-226, EN-201 or EN-202, and two courses from either EN-227, EN-228, or EN-229 , or written permission of the instructor
Term Offered: All Terms
Course Type(s): None
Reading and research on a selected topic under the direction of an English Department faculty member. Prior permission of the directing professor and department chair is required to take this course.

Experiential Education (EX)

EX-287 Service Learning Projects **Credits: 1-6**
Term Offered: Spring Term
Course Type(s): EX3
Introduction to learning through community service. Under faculty supervision, students may work on service projects proposed by external sponsors and agencies. Students will learn about the issues, problems, and techniques associated with projects that address and solve real-world problems, and provide services and benefits to the community. This course is repeatable for credit. Permission of the Experiential Education Committee is required to take this course along with 29 completed credits.

EX-387 Service Learning Projects **Credits: 1-6**
Term Offered: All Terms
Course Type(s): EX3
Introduction to learning through community service. Under faculty supervision, students may work on service projects proposed by external sponsors and agencies. Students will learn about the issues, problems, and techniques associated with projects that address and solve real-world problems, and provide services and benefits to the community. This course is repeatable for credit. Permission of the Experiential Education Committee is required to take this course along with 29 completed credits.

EX-487 Service Learning Projects **Credits: 1-6**
Prerequisite(s): Permission of the Experiential Education Committee and 29 completed credits
Term Offered: All Terms
Course Type(s): EX3
Introduction to learning through community service. Under faculty supervision, students may work on service projects proposed by external sponsors and agencies. Students will learn about the issues, problems, and techniques associated with projects that address and solve real-world problems, and provide services and benefits to the community. This course is repeatable for credit. Permission of the Experiential Education Committee is required to take this course along with 29 completed credits.

Foreign Language (FO)

FO-COL Colloquium in Professional and Leadership Development **Credits: None**
Course Type(s): None
University administrators, as well as student participants, will present topics of interest to include mentoring students on professional interview preparation, resume review, and leadership experience. Students will network with other students, professors, and speakers from various branches of interest in the field of global volunteerism. This is a zero credit course with pass/fail grading.

FO-LTIOPI Oral Proficiency Interview - UG **Credits: None**
Term Offered: All Terms
Course Type(s): None
Language Testing International Examination for undergraduate students; requires one hour preparation a week. This is a pass/fail course.

FO-SSE Sector Specific Experience **Credits: None**
Course Type(s): NOSRCH
Students must accumulate a minimum of 50 hours of volunteer or work experience in their specific sector (Agriculture, Community Economic Development, Education, Environment, Health, Youth in Development). This is a zero credit course with pass/fail grading.

FO-198 Special Topics in World Languages and Cultures **Credits: 3**
Course Type(s): None
This is a special topics course offered through the World Languages and Cultures Department. Course content will vary from semester to semester. If a prerequisite is required it will be announced in the course schedule.

FO-199 Independent Study in Foreign Language **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
Guided readings and research on an area or topic selected in consultation with the instructor. Prior permission of the directing professor and department chair is required to take this course.

FO-298 Special Topics in Foreign Literature **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Reading in English translation of works by foreign authors. Topics may center on works by a single author or be chosen from a period or genre, and will vary from semester to semester. If a prerequisite is required it will be announced in the course schedule.

FO-299 Independent Study in Foreign Language **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
Guided readings and research on an area or topic selected in consultation with the instructor. Regular conferences with the instructor and written reports. Prior permission of the directing professor and department chair is required to take this course.

FO-311 Independent Readings **Credits: 1-3**
Course Type(s): None
Supervised readings in the original language for students who wish to do intensive work in their major field; materials are selected in consultation with the student's advisor from the major field, and the student confers regularly with an instructor from the language staff.

FO-312 Independent Readings **Credits: 1-3**
Prerequisite(s): FO-311
Course Type(s): None
Supervised readings in the original language for students who wish to do intensive work in their major field; materials are selected in consultation with the student's advisor from the major field, and the student confers regularly with an instructor from the World Languages and Cultures staff.

FO-389 Experiential Learning Internship **Credits: 1**
Term Offered: Fall Term
Course Type(s): EX1
An opportunity to apply classroom theory in practice through actual work experience with a World Language. Departmental approval is required to take this course.

FO-398 Special Topics in Foreign Literature **Credits: 1-3**
Term Offered: Spring Term
Course Type(s): None
Students study text in the original language. Course content will vary from semester to semester. Some knowledge of the language is required to take this course. If a prerequisite is required it will be announced in the course schedule.

FO-399 Independent Study in Foreign Language **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Guided readings and research on an area or topic selected in consultation with the instructor. Prior permission of the directing professor and department chair is required to take this course.

FO-427 The Teaching of World Languages **Credits: 3**
Term Offered: All Terms
Course Type(s): None
This course is designed to prepare the World Language teacher candidate's understanding of the ACTFL performance guidelines and standards together with their application and assessment in the classroom. Various modes of teaching language will be explored including meaningful integration of the ACTFL 5 C's and Integrated Performance Assessments into each lesson. Professional development is explored and students must complete a professional Development Plan that includes joining professional affiliations. Preparation for the edTPA is included in this course with one lesson in the target language to be presented and videotaped in class for self and group assessment. This course will include pedagogical strategies related to teaching linguistically diverse students, students with diverse needs, using instructional technology and using data to inform instruction. These components provide the students with valuable pre-teaching experiences that will strengthen understanding of teaching strategies and capabilities. Also listed as ED-427. Clinical hours are required.

FO-498 Special Topics in Foreign Languages **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Students study text in the original language at an advanced level. Course content will vary from semester to semester. If a prerequisite is required it will be announced in the course schedule.

FO-499 Independent Studies in the Teaching of World Languages **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Curriculum development in foreign languages at the elementary and secondary level; the study and application of teaching methods and materials. Prior permission of the directing professor and department chair is required to take this course.

Foreign Language, Arabic (FA)

FA-101 Elementary Arabic 1 **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
Elements of language structure through oral and written practice in the classroom, supplemented by work in the language laboratory with emphasis on everyday Arabic and easy Arabic prose.

FA-102 Elementary Arabic 2 **Credits: 3**
Prerequisite(s): FA-101 or at least three years of high school Arabic or permission of the department chair.
Term Offered: Spring Term
Course Type(s): None
Elements of language structure through oral and written practice in the classroom, supplemented by work in the language laboratory with emphasis on everyday Arabic and easy Arabic prose.

FA-298 Special Topics in Arabic **Credits: 1-3**
Course Type(s): None
Students study text in the original language at an advanced level. Course content will vary from semester to semester. If a prerequisite is required it will be announced in the course schedule.

FA-299 Independent Study in Arabic **Credits: 1-3**
Term Offered: Spring Term
Course Type(s): None
Guided readings and research on an area or topic of the Arabic language, culture and/or literature selected in consultation with the instructor. Regular conferences with the instructor and written reports. Prior permission of the directing professor and department chair is required to take this course.

Foreign Language, Chinese (FC)

FC-101 Elementary Chinese I **Credits: 3**
Term Offered: All Terms
Course Type(s): None
An elementary-level communicative based language course in standard Chinese, which is called Mandarin to distinguish it from regional dialects, with simplified characters, the standard script in China. This course is an introduction to basic Mandarin Chinese grammar, vocabulary, and communicative structures, and students participate in pair, small group, and whole-class conversation, listening, comprehension and writing activities that focus on the meaningful and accurate conveying of information. This course is intended for students who have no previous knowledge of Mandarin Chinese or have placed into FC-101 through the World Languages placement exam; or Zero to one year of high school study of Chinese; No more than 4 years of high school study of Chinese.

FC-102 Elementary Chinese II **Credits: 3**
Prerequisite(s): FC-101 or Placement into FC-102 through the World Languages placement exam.
Term Offered: All Terms
Course Type(s): None
A continuation of Elementary Chinese I, this course is an elementary-level communicative based language course in standard Chinese, which is called Mandarin, to distinguish it from regional dialects with simplified characters, the standard script in China. A continuation of the introduction to basic Mandarin Chinese grammar, vocabulary, and communicative structures, this course is intended for students who have completed Elementary Chinese I or have placed into FC-102 through the World Languages placement exam. Students participate in pair, small group, and whole-class conversation, listening, comprehension and writing activities that focus on the meaningful and accurate conveying of information.

FC-199 Independent Study in Chinese **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Guided readings and research on an area or topic of Chinese language, culture and/or literature selected in consultation with the instructor. Regular conferences with the instructor and written reports. Prior permission of the directing professor and department chair is required to take this course.

FC-398 Special Topics in Chinese **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Elements of language structure through oral and written practice in the classroom, supplemented by work in the language laboratory with emphasis on everyday Chinese and easy Chinese prose. If a prerequisite is required it will be announced in the course schedule.

Foreign Language, French (FF)

FF-LAB Conversation Practice **Credits: None**
Co-requisite(s): FF-201 or FF-202
Term Offered: All Terms
Course Type(s): None
Separate lab component from intermediate course(s). This is a pass/fail course.

FF-101 Elementary French I **Credits: 3**
Term Offered: All Terms
Course Type(s): None
An elementary-level, communicative-based language course, intended for students with no previous study of French or placement into the FF-101 level through the World Languages placement exam. Students with four or more years of high school study of French may not enroll in FF-101. FF-101 is to be taken before FF-102.

FF-102 Elementary French II **Credits: 3**
Prerequisite(s): FF-101
Term Offered: Spring Term
Course Type(s): None
An elementary-level, communicative-based language course, intended for students who have completed FF-101 or placed into FF-102 through the World Languages placement exam. FF-101 through FF-202 are sequential.

FF-199 Independent Study in French **Credits: 1-3**
Term Offered: Summer Term
Course Type(s): None
Guided readings and research on an area or topic of the French language, culture and/or literature selected in consultation with the instructor. Regular conferences with the instructor and written reports. Prior permission of the directing professor and department chair is required to take this course.

FF-201 Intermediate French I **Credits: 3**
Prerequisite(s): FF-102 or four years of high school French or placement into FF-201 through the World Languages placement exam.
Term Offered: Fall Term
Course Type(s): None
An intermediate-level, communicative-based language course. The FF-201/FF-202 course sequence emphasizes skill development in speaking, listening comprehension, reading, and writing in French through oral and written practice in the classroom and in small groups in the language laboratory. Through communicative and proficiency-building activities, students learn and review French grammar, vocabulary, and communicative structures. Students will also be introduced to Francophone literature and cultures through short literary and non-literary texts. Students who register for FF-201 must also register for a weekly session of conversation practice. FF-101 through FF-202 courses are sequential.

FF-202 Intermediate French II **Credits: 3**
Prerequisite(s): FF-201
Term Offered: Spring Term
Course Type(s): None
An intermediate-level, communicative-based language sequence. A review of French grammar, vocabulary and communicative structures, this course sequence (FF-201 and FF-202) emphasizes skill development in speaking, listening comprehension, reading, and writing in French through oral and written practice in the classroom and in the language laboratory. Students will also be introduced to French literature and culture through short literary and non-literary texts. FF-201 and FF-202 are sequential. Students who register for FF-202 must also register for a weekly session of conversation practice in the World Languages and Cultures Resource Center, coordinated by the Department of World Languages and Cultures.

FF-299 Independent Study in French **Credits: 3**
Course Type(s): None
Guided readings and research on an area or topic of the French language, culture and/or literature selected in consultation with the instructor. Regular conferences with the instructor and written reports. Prior permission of the directing professor and department chair is required to take this course.

FF-301 Survey of French Literature **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Survey of French Literature up to 1800.

FF-303 Advanced French Composition and Conversation **Credits: 3**
Prerequisite(s): twelve credits in French
Term Offered: Spring Term
Course Type(s): None
Oral and written use of correct, idiomatic French vocabulary building, oral discussion, composition, and instruction in the presentation of material.

FF-309 French Culture and Civilization **Credits: 3**
Course Type(s): None
Political, social, and other developments in France from the Middle Ages to 1800.

FF-312 Independent Readings in French **Credits: 1-3**
Course Type(s): None
Supervised readings in the original language for students who wish to do intensive work in their major field; materials are selected in consultation with the student's advisor from the major field, and the student confers regularly with an instructor from the language staff. This course is repeatable for credit.

FF-398 Special Topics in French **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Students study text in the original language. Course content will vary from semester to semester.

FF-399 Independent Study in French **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Guided readings and research on an area or topic of the French language, culture and/or literature selected in consultation with the instructor. Regular conferences with the instructor and written reports. Prior permission of the directing professor and department chair is required to take this course.

FF-499 Independent Study in French **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Guided readings and research on an area or topic of the French language, culture and/or literature selected in consultation with the instructor. Regular conferences with the instructor and written reports. Prior permission of the directing professor and department chair is required to take this course.

Foreign Language, German (FG)

FG-LAB Conversation Practice **Credits: None**
Co-requisite(s): FG-201 or FG-202
Term Offered: Spring Term
Course Type(s): None
Separate lab component from intermediate course(s).

FG-101 Elementary German I **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
Elements of language structure through oral and written practice in the classroom, with emphasis on everyday German and easy German prose. This course is intended for students with no previous knowledge of German or who have placed into FG-101 through the World Languages placement exam.

FG-102 Elementary German II **Credits: 3**
Prerequisite(s): FG-101 or placement into FG-102 through the World Languages placement exam
Term Offered: Spring Term
Course Type(s): None
Elements of language structure through oral and written practice in the classroom, with emphasis on everyday German and easy German prose. This course is intended for students who have completed FG-101 or have placed into FG-102 through the World Languages placement exam.

FG-199 Independent Study in German **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Guided readings and research on an area or topic of the German language, culture and/or literature selected in consultation with the instructor. Regular conferences with the instructor and written reports. Prior permission of the directing professor and department chair is required to take this course.

FG-201 Intermediate German I **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
Review of grammar, vocabulary, and idiomatic expressions; skill development in reading and writing German through exercises in composition and the reading of modern German texts. Students who register for FG-201 must also register for a weekly session of conversation practice in the World Languages and Cultures Resource Center, coordinated by the Department of World Languages and Cultures.

FG-202 Intermediate German II **Credits: 3**
Prerequisite(s): FG-101
Term Offered: Spring Term
Course Type(s): None
Review of grammar, vocabulary, and idiomatic expressions; skill development in reading and writing German through exercises in composition and the reading of modern German texts. Students who register for FG-202 must also register for a weekly session of conversation practice in the World Languages and Cultures Resource Center, coordinated by the Department of World Languages and Cultures.

FG-299 Independent Study in German **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Guided readings and research on an area or topic of the German language, culture and/or literature selected in consultation with the instructor. Regular conferences with the instructor and written reports. Prior permission of the directing professor and department chair is required to take this course.

FG-499 Independent Study in German **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Guided readings and research on an area or topic of the German language, culture and/or literature selected in consultation with the instructor. Regular conferences with the instructor and written reports. Prior permission of the directing professor and department chair is required to take this course.

Foreign Language, Hebrew (FH)

FH-101 Elementary Modern Hebrew I **Credits: 3**
Course Type(s): None
Elements of language structure through oral and written practice, supplemented by work in the language laboratory, with emphasis on everyday Hebrew.

FH-102 Elementary Modern Hebrew II **Credits: 3**
Prerequisite(s): FH-101 or some knowledge of the language
Term Offered: Spring Term
Course Type(s): None
Elements of language structure through oral and written practice, supplemented by work in the language laboratory, with emphasis on everyday Hebrew.

FH-299 Independent Study Hebrew **Credits: 1-3**
Course Type(s): None
Guided readings and research on an area or topic of the Hebrew language, culture and/or literature selected in consultation with the instructor. Regular conferences with the instructor and written reports. Prior permission of the directing professor and department chair is required to take this course.

Foreign Language, Irish (FIR)

FIR-199 Independent Study in Irish **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
Guided readings and research on an area or topic of Irish language, culture and/or literature selected in consultation with the instructor. Regular conferences with the instructor and written reports. Prior permission of the directing professor and department chair is required to take this course.

Foreign Language, Italian (FI)

FI-LAB Conversation Practice **Credits: None**
Co-requisite(s): FI-201 or FI-202
Term Offered: All Terms
Course Type(s): None
Separate lab component from intermediate course(s). This is a pass/fail course.

FI-101 Elementary Italian I **Credits: 3**
Term Offered: All Terms
Course Type(s): None
An elementary-level, communicative-based language course. This course is intended for students with no Italian or who have placed into FI-101 through the World Languages Placement exam. FI-101 and FI-102 are sequential.

FI-102 Elementary Italian II **Credits: 3**
Prerequisite(s): FI-101 or placement into FI-102 through the World Languages placement exam
Term Offered: All Terms
Course Type(s): None
An elementary-level, communicative-based language course, intended for students who have completed FI-101 or placed into FI-102 through the World Languages placement exam. FI-101 through FI-202 courses are sequential.

FI-199 Independent Study in Italian **Credits: 1-3**
Term Offered: Summer Term
Course Type(s): None
Guided reading and research on an area or topic. Prior permission of the directing professor and department chair is required to take this course.

FI-201 Intermediate Italian I **Credits: 3**
Prerequisite(s): FI-102 or placement into FI-201 through the World Languages placement exam
Co-requisite(s): FI-Lab
Term Offered: All Terms
Course Type(s): None
An intermediate-level, communicative-based language course. The FI-201/FI-202 course sequence emphasizes skill development in speaking, listening comprehension, reading, and writing in Italian through oral and written practice in the classroom and in small groups in the language laboratory. Through communicative and proficiency-building activities, students learn and review Italian grammar, vocabulary, and communicative structures. Students will also be introduced to Italian literature and culture through short literary and non-literary texts. Students who register for FI-201 must also register for a weekly session of conversation practice. FI-101 through FI-202 courses are sequential.

FI-202 Intermediate Italian II **Credits: 3**
Prerequisite(s): FI-201 or placement into FI-202 through the World Languages placement exam
Co-requisite(s): FI-LAB
Term Offered: All Terms
Course Type(s): None
An intermediate-level, communicative-based language course. The FI-201/FI-202 course sequence emphasizes skill development in speaking, listening comprehension, reading, and writing in Italian through oral and written practice in the classroom and in small groups in the language laboratory. Through communicative and proficiency-building activities, students learn and review Italian grammar, vocabulary, and communicative structures. Students will also be introduced to Italian literature and culture through short literary and non-literary texts. Students who register for FI-202 must also register for a weekly session of conversation practice. FI-101 through FI-202 courses are sequential. Prerequisite: FI-201 or placement into FI-202 through the World Languages placement exam

FI-299 Independent Study in Italian **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
Guided readings and research on an area or topic of the Italian language, culture and/or literature selected in consultation with the instructor. Regular conferences with the instructor and written reports. Prior permission of the directing professor and department chair is required to take this course.

FI-301 Introduction to Italian Literature **Credits: 3**
Prerequisite(s): FI-202
Term Offered: Spring Term
Course Type(s): None
Introduction to the most important periods of Italian literature. Organized through a selection of fundamental texts, from Medieval to contemporary, the course will also analyze the main genres of Italian literature: theatre, essay, short story, and poetry. Taught in Italian.

FI-303 Advanced Italian: Composition and Conversation I **Credits: 3**
Prerequisite(s): FI-202
Term Offered: All Terms
Course Type(s): None
Oral and written use of correct, idiomatic Italian vocabulary building, oral discussion, and instruction in the presentation of material.

FI-304 Advanced Italian: Composition and Conversation II **Credits: 3**
Prerequisite(s): FI-303
Term Offered: Spring Term
Course Type(s): None
Oral and written use of correct, idiomatic Italian vocabulary building, oral discussion, composition, and instruction in the presentation of material.

FI-398 Advanced Conversation and Composition Through Contemporary Italian Cinema and Literary Texts Literary Texts **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
Taught in Italian: This course examines various aspects of contemporary Italian language and culture through the discussion of contemporary Italian films and literary texts. This course advances students' knowledge of contemporary Italian society, culture, and language as well as their ability to comprehend rapid spoken Italian. Students will demonstrate an understanding of the relationship between the practices and the perspectives of Italian culture and language through written and oral analysis to communicate multifaceted social and cultural ideas in standard oral and written Italian thereby advancing their cultural and linguistic communicative skills and proficiencies.

FI-399 Independent Study in Italian **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
Guided readings and research on an area or topic of the Italian language, culture and/or literature selected in consultation with the instructor. Regular conferences with the instructor and written reports. Prior permission of the directing professor and department chair is required to take this course.

FI-499 Independent Study in Italian **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Guided readings and research on an area or topic of the Italian language, culture and/or literature selected in consultation with the instructor. Regular conferences with the instructor and written reports. Prior permission of the directing professor and department chair is required to take this course.

Foreign Language, Latin (FL)

FL-101 Elementary Latin I **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Elements of language structure and translation through oral and written exercises in the classroom, in addition to exploration of relevant cultural and historical context.

FL-102 Elementary Latin II **Credits: 3**
Prerequisite(s): FL-101 or 3 years of high school study in Latin
Term Offered: Spring Term
Course Type(s): None
Elements of language structure and translation through oral and written exercises in the classroom, in addition to exploration of relevant cultural and historical context. This course is intended for students who have completed FL 10I or have had 3 years of high study in Latin.

FL-199 Independent Study in Latin **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Guided readings and research on an area or topic selected in consultation with the instructor. Regular conferences with the instructor and written reports. Prior permission of the directing professor and department chair is required to take this course.

FL-299 Independent Study in Latin **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Guided readings and research on an area or topic selected in consultation with the instructor. Regular conferences with the instructor and written reports. Prior permission of the directing professor and department chair is required to take this course.

Foreign Language, Portuguese (FP)

FP-103 Elementary Portuguese for Business I **Credits: 3**
Course Type(s): None
Introduction to the elements of Portuguese language structure through oral and written practice in the classroom, supplemented by work in the language lab with emphasis on both spoken and written Portuguese relating to the business world.

FP-104 Elementary Portuguese for Business II **Credits: 3**
Prerequisite(s): FP-103
Term Offered: Spring Term
Course Type(s): None
Introduction to the elements of Portuguese language structure through oral and written practice in the classroom, supplemented by work in the language lab, with emphasis on both spoken and written Portuguese relating to the business world.

Foreign Language, Spanish (FS)

FS-LAB Conversation Practice **Credits: None**
Co-requisite(s): FS-201 or FS-202
Term Offered: All Terms
Course Type(s): None
Separate lab component from intermediate course(s). This is a pass/fail course.

FS-101 Elementary Spanish I **Credits: 3**
Term Offered: All Terms
Course Type(s): None
An elementary-level, communicative-based language course, intended for students with no previous study or knowledge of Spanish or placement into FS-101 through the World Languages placement exam. Students with four or more years of high school study of Spanish may not enroll in FS-101. FS-101 and FS-102 are sequential.

FS-102 Elementary Spanish II **Credits: 3**
Prerequisite(s): FS-101
Term Offered: All Terms
Course Type(s): None
An elementary-level, communicative-based language course, intended for students who have completed FS-101 or placed into FS-102 through the World Languages placement exam. FS-101 through FS-202 and FS-222 courses are sequential.

FS-198 Special Topics in Spanish **Credits: 1-3**
Course Type(s): None
Students study text in the original language. Course content will vary from semester to semester. If a prerequisite is required it will be announced in the course schedule.

FS-199 Independent Study in Spanish **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Guided readings and research on an area or topic selected in consultation with the instructor. Regular conferences with the instructor and written reports. Prior permission of the directing professor and department chair is required to take this course.

FS-201 Intermediate Spanish I **Credits: 3**
Prerequisite(s): FS-102 or placement into FS-201 through the World Languages placement exam
Co-requisite(s): FS-LAB
Term Offered: All Terms
Course Type(s): None
An intermediate-level, communicative-based language course. The FS-201/FS-202 course sequence emphasizes skill development in speaking, listening comprehension, reading, and writing in Spanish through oral and written practice in the classroom and in small groups in the language laboratory. Through communicative and proficiency-building activities, students learn and review Spanish grammar, vocabulary, and communicative structures. Students will also be introduced to Hispanic literature and cultures through short literary and non-literary texts. Students who register for FS-201 must also register for a weekly session of conversation practice. FS-101 through FS-202 and FS-222 courses are sequential.

FS-202 Intermediate Spanish II **Credits: 3**
Prerequisite(s): FS-201 or placement into FS-202 through the World Languages placement exam
Co-requisite(s): FS-LAB
Term Offered: All Terms
Course Type(s): None
An intermediate-level, communicative-based language course. The FS-201/FS-202 course sequence emphasizes skill development in speaking, listening comprehension, reading, and writing in Spanish through oral and written practice in the classroom and in small groups in the language laboratory. Through communicative and proficiency-building activities, students learn and review Spanish grammar, vocabulary, and communicative structures. Students will also be introduced to Hispanic literature and cultures through short literary and non-literary texts. Students who register for FS-202 must also register for a weekly session of conversation practice. FS-101 through FS-202 and FS-222 courses are sequential.

FS-222 Spanish for Health Care Professionals **Credits: 3**
Prerequisite(s): FS-201
Term Offered: All Terms
Course Type(s): HE.EL, NU.EL
Spanish for Health Professionals is an intermediate, communicative-based language course in which students learn and practice speaking, listening, reading and writing in Spanish within a Healthcare context. Through a variety of communicative and practical activities, students build proficiency in the Spanish language and acquire important vocabulary and communicative structures related to the Healthcare professions. Open to all students, FS-222 is of particular relevance to Health Studies, Nursing, Pre-Med and Science majors. FS-101 through FS-202 and FS-222 courses are sequential. Prerequisites: FS-201

FS-224 Introduction to Latin American Mass Communication **Credits: 3**
Course Type(s): None
Explores the history, technological evolution, and current issues in ways in which communicators and influencers in the Americas have told their stories and reflected their realities through the influence of the printed word, radio, television and digital media.

FS-289 Internship in Foreign Language **Credits: 1-3**
Term Offered: Fall Term
Course Type(s): EX1
Supervised practical experience in Spanish; repeatable for credit. Departmental approval and Junior standing are required to take this course.

FS-298 Special Topics in Spanish (200 Level) **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
Students study text in the original language at an advanced level. Course content will vary from semester to semester. If a prerequisite is required it will be announced in the course schedule.

FS-299 Independent Study in Spanish **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Guided readings and research on an ara or topic of the Spanish language, culture and/or literature selected in consultation with the instructor. Regular conferences with the instructor and written reports. Prior permission of the directing professor and department chair is required to take this course.

FS-300A Advanced Spanish Conversation and Oral Discourse **Credits: 3**
Prerequisite(s): FS-202 or placement into FS-300 through the World Languages placement exam
Co-requisite(s): FS-LAB
Course Type(s): None
Intended for non-native speakers of Spanish and is a pre and/or co-requisite for FS-300B Advanced Conversation and Composition and a pre-requisite for all other 300 and 400-level courses in Spanish. This course is designed to bridge the gap between lower and upper division courses by providing students with optimal opportunities to practice their oral language skills at the high intermediate level. The course provides practice in all four language functions while placing special emphasis on conversation, listening, and oral presentation skills. Students who register for FS-300A must also register for a weekly one hour conversation practice lab at the time of registration. Prerequisite: FS-202 or placement into FS-300 through the World Languages placement exam

FS-300B Advanced Spanish: Composition and Conversation II **Credits: 3**
Prerequisite(s): FS-202 or placement into FS-300 through the World Languages placement exam
Term Offered: All Terms
Course Type(s): None
This course is designed to bridge the gap between lower and upper division courses by providing students with optimal opportunities to practice and refine their writing and reading comprehension skills in Spanish at the high intermediate level. The course provides practice in all four language functions while placing special emphasis on writing, reading comprehension and analysis, and vocabulary building skills. Students who register for FS-300B must also register for a weekly one hour conversation practice lab at the time of registration. Prerequisite: FS-202 or placement into FS-300 through the World Languages placement exam

FS-301 Introduction to Hispanic Literature **Credits: 3**
Prerequisite(s): FS-300A or FS-318, FS-300B; and EN-101 and EN-102 or permission of the instructor
Term Offered: Spring Term
Course Type(s): WT
Introduction to the four principal genres of Hispanic literature. Fundamentals of literary analysis through a selection of texts from Medieval through contemporary Spanish literature, and Colonial through twentieth-century Latin American literature.

FS-304 Onstage and in the Streets: Performance and Culture **Credits: 3**
Course Type(s): CD, COCSD, COCST
Introduction to understanding diverse popular performance practices as unique and contested expressions of culture and identity. Studying human performances within everyday life, in public spaces, and through cultural rituals, street theatre, and professional productions, a variety of contemporary theories, methods, and critical issues are considered within the fields of communication, theatre, performance, and cultural studies. Students must be enrolled in the Study Abroad program in Cadiz, Spain. Also listed as CO-304.

FS-305 Survey of Spanish-American Literature **Credits: 3**
Prerequisite(s): FS-301 or permission of the department and EN-101 and EN-102, or permission of the instructor
Term Offered: Spring Term
Course Type(s): WT
Survey of Latin-American literature studying representative works from the Colonial period through the twentieth-century. Genres covered include novel, drama, poetry, essay, and short story. Taught in Spanish.

FS-307 Survey of Spanish Literature **Credits: 3**
Prerequisite(s): FS-301 or permission of the department chair
Term Offered: Spring Term
Course Type(s): None
Survey of Peninsular Spanish literature that focuses on drama, short story, and poetry from the Medieval period until the beginning of the eighteenth century. Emphasis will be on the drama of the Renaissance and Baroque periods incorporating playwrights such as Lope de Vega, Tirso de Molina, and Calderon de la Barca. In addition, poets and writers such as Garcilaso, Fray Luis, Santa Teresa, and Maria de Zayas are included. Taught in Spanish.

FS-308 Afro-Hispanic Literature **Credits: 3**
Prerequisite(s): One semester of a 300-level Spanish course
Term Offered: Spring Term
Course Type(s): None
This course examines the development of Afro-Hispanic Literature and visual documentation from the Colonial period to the present. We will study the materials according to their historical and political context and examine the literary forms, genres, and techniques by spanning a range of analyses of textual criticism, political rhetoric, poetry, music, fiction, and non-fiction. This course engages students interested in learning more about Afro-Hispanic cultures as expressed through the lens of its literature, documentaries, and the visual arts. Students will appreciate artistic creations by Afro-Hispanic authors and exercise their analytical and creative abilities. The course is taught in Spanish, and fulfills the FS-305 or FS-307 requirement for Spanish minors and majors.

FS-309 Culture and Civilization Spain **Credits: 3**
Prerequisite(s): FS-202 or FS-222 or placement into FS-300 through the World Languages placement exam
Term Offered: All Terms
Course Type(s): None
Study of the culture and civilization of Spain from pre-historic times to the present day. The first part of the course will present the major historical developments and artistic movements of the Iberian Peninsula with special focus placed upon the plastic arts (painting, architecture, sculpture). The second part of the course will focus on contemporary socio-cultural issues such as the Spanish economy, politics (dictatorship and democracy), society, and cultural life. Taught in Spanish. Prerequisite: FS-202 or FS-222 or placement into FS-300 through the World Languages placement exam

FS-310 Culture and Civilization of Latin America **Credits: 3**
Prerequisite(s): FS-202 or FS-222, and EN-101 and EN-102; or permission of the instructor
Term Offered: All Terms
Course Type(s): RE, WT
Study of the natural aspects and historical evolution of the culture and civilization of Latin American countries. Landmarks in the political, economic, cultural and social history of the continents are traced from the pre-colonial times to the present. Students are introduced to, and familiarized with, the world of Latin American history, life, thought, and feelings. Emphasis is given to aspects of Latin America today such as the new political and economic map in the twenty-first century, women's impact in politics, LGBT issues, religion, education, science and technology, music, art, and film. Conducted in Spanish.

FS-311 Independent Readings in Spanish **Credits: 1-3**
Term Offered: Spring Term
Course Type(s): None
Supervised readings in the original language for students who wish to do intensive work in their major field; materials are selected in consultation with the student's advisor from the major field, and the student confers regularly with an instructor from the language staff.

FS-312 Independent Readings in Spanish **Credits: 1-3**
Course Type(s): None
Supervised readings in the original language for students who wish to do intensive work in their major field; materials are selected in consultation with the student's advisor from the major field, and the student confers regularly with an instructor from the language staff.

FS-313 Introduction to Spanish for Business **Credits: 3**
Prerequisite(s): FS-202 or FS-222 or placement into FS-300 through the World Languages placement exam
Term Offered: Spring Term
Course Type(s): None
Designed to acquaint students with business practices, documents, culture, and terminology of Spanish-speaking countries (including the U.S.). Additionally, students will review and practice Spanish grammar, and learn about Hispanic culture(s) and current topics in the Hispanic business world. This course is designed to give intermediate and advanced students a solid foundation in business vocabulary, basic business and cultural concepts, and situational practice (all in Spanish) necessary to be successful in today's Spanish-speaking business world, which includes the United States. Class participants will acquire key communicative and structural elements through commercial dialogs, translations, advertisements, and role-plays. Prerequisite: FS-202 or FS-222 or placement into FS-300 through the World Languages placement exam

FS-314 Advanced Spanish for Health Care Professionals **Credits: 3**
Prerequisite(s): FS-202, FS-222 or placement into FS-300 through the World Languages placement exam
Term Offered: All Terms
Course Type(s): None
Advanced Spanish for Health Professionals is a high-intermediate communicative-based language course that satisfies a 300- level Spanish class for Health Studies, Nursing, Pre-Med or science majors, as well as for Spanish minors or majors. The course offers a continuation of study of Spanish grammar, vocabulary, and communicative structures as well as Hispanic cultures, within the context of the health professions. It is intended for students who have completed FS-202, FS-222 or have placed into FS-300 through the World Languages Placement exam. As a communicative-based course, the class is devoted to working in pairs, small group, and whole-class conversation/presentational activities that focus on meaningful and accurate communication of the material in the context of the health professions. Prerequisite: FS-202, FS-222 or placement into FS-300 through the World Languages placement exam

FS-315 Introduction to Spanish Linguistics Credits: 3
Prerequisite(s): FS-202 or FS-222 or placement into FS-300 through the World Languages placement exam
Term Offered: All Terms
Course Type(s): None
An introduction to the linguistic analysis of the Spanish language from the point of view of its internal organization and sound system, including study of accents, dialects, register and regional variations. Intended for Spanish majors and minors and will be conducted entirely in Spanish. Students will be introduced to the morphological study of the language; an introduction to Spanish phonetics in theory and practice will incorporate the history of the Spanish language from Latin to modern Spanish. Discussion of Hispanic dialectology and geolinguistics, accompanied by interviews and student analysis of native Spanish speech. Prerequisite: FS-202 or FS-222 or placement into FS-300 through the World Languages placement exam

FS-317 Cadiz y su sociedad (Social Issues in Cadiz) Mid-Level Credits: 3
Prerequisite(s): FS-202
Co-requisite(s): FS-300A or FS-300B
Term Offered: Summer Term
Course Type(s): None
Analysis of diverse social issues in Cadiz through readings, visual media, interaction with various social and governmental organizations and assemblies as well as community service. It will be taught in Spanish.

FS-318 Spanish Pronunciation, Voice, and Diction Credits: 3
Prerequisite(s): FS-202 or FS-222 or placement into FS-300 through the World Languages placement exam
Co-requisite(s): FS-LAB
Term Offered: All Terms
Course Type(s): None
An analytical, practical and hands-on study of contemporary Spanish pronunciation, conducted completely in Spanish. Students are introduced to the phonetics (the study of sounds) and phonology (the study of the sound system) of the Spanish language, and work to refine and improve their pronunciation, speech and presentational skills in Spanish. Prerequisite: FS-202 or FS-222 or placement into FS-300 through the World Languages placement exam

FS-398 Special Topics in Spanish Credits: 3
Term Offered: Spring Term
Course Type(s): None
Students study text in the original language. Course context will vary from semester to semester.

FS-399 Independent Study in Spanish Credits: 1-3
Term Offered: All Terms
Course Type(s): None
Guided readings and research on an area or topic of Spanish language, culture, and/or literature selected in consultation with the instructor. Regular conferences with the instructor and written reports. Prior permission of the directing professor and department chair is required to take this course.

FS-402 Advanced Spanish Conversation and Oral Proficiency Credits: 3
Prerequisite(s): One semester of a 300-level Spanish course.
Term Offered: Fall Term
Course Type(s): None
Advanced conversational practice in Spanish and review of Spanish grammar and vocabulary. This course focuses on the improvement of oral and aural communication skills in Spanish and aims to prepare students to achieve an oral proficiency rating of Advanced Low or higher, according to the ACTFL scale. This course is intended for Spanish and Spanish/Education majors, and Spanish minors.

FS-403 Spanish Literature of the Eighteenth and Nineteenth Centuries Credits: 3
Term Offered: Spring Term
Course Type(s): FS.LT
Novels, drama, and poetry, with emphasis on the works of Iriarte, Moratin, Espronceda, Zorrilla, Becquer, Galdos, and others.

FS-404 Spanish Literature of the Twentieth Century Credits: 3
Term Offered: Spring Term
Course Type(s): FS.LT
The evolution of Spanish literature from the Generation of 1898 to the present; analysis of the drama, novel, and poetry of the period.

FS-405 The Spanish-American Short Story Credits: 3
Prerequisite(s): FS-301 or permission of the instructor; and EN-101 and EN-102 or permission of the instructor
Term Offered: Spring Term
Course Type(s): FS.LT, WT
A critical study of the cuento (short story) in Spanish America. Major authors and trends are studied in historical and social contexts. By studying a significant number of short stories by authors both male and female from different countries, students will become acquainted with the development of this genre in Spanish America and get to know some of the most representative authors of the genre. They will learn to use different critical approaches to analyze their work. Readings will include, among others, works by: Isabel Allende, Mario Benedetti, Jorge Luis Borges, Rosa Maria Britton, Rosario Castellanos, Martha Cerda, Julio Cortazar, Jose Donoso, Rosario Ferre, Renee Ferrer, Gabriel Garcia Marquez, Jose Luis Gonzalez, Angelica Gorodischer, Liliana Heker, Elena Poniatowska, Horacio Quiroga, Juan Rulfo, Luisa Valenzuela, and Bella Clara Ventura. Taught in Spanish.

FS-406 Cervantes Credits: 3
Term Offered: Spring Term
Course Type(s): FS.LT
Analytical readings in Cervantes' Entremeses, Novelas Ejemplares, and Don Quixote.

FS-407 The Spanish-American Novel I Credits: 3
Course Type(s): FS.LT
The development of the novel in Spanish-America. Semester I: movements in the nineteenth century, the novel of the Mexican Revolution. Semester II: the novel of the twentieth and twenty-first centuries. Conducted in Spanish.

FS-408 The Spanish-American Novel II Credits: 3
Term Offered: Spring Term
Course Type(s): FS.LT
The development of the novel in Spanish-America. Semester I: movements in the nineteenth century, the novel of the Mexican Revolution. Semester II: the novel of the twentieth and twenty-first centuries. Conducted in Spanish.

FS-409 Advanced Spanish: Grammar and Stylistics Credits: 3
Prerequisite(s): FS-300A and FS-300B; or FS-313
Course Type(s): None
Focuses on the study of advanced grammar and style through writing, translation, and oral practice in Spanish. It is intended for majors and for teachers or students intending to teach. (Native Spanish speakers only need to take FS-300B with departmental approval).

FS-410 Contemporary Spanish-American Women Writers Credits: 3
Prerequisite(s): 6 credits in Spanish above the 300 level or permission of the instructor
Term Offered: All Terms
Course Type(s): FS.LT
A survey of the literature written by contemporary Spanish-American women writers. Texts examined will cover the genres of novel, short story, and poetry. Consideration of "women's" language and discourse, the relations between gender and writing considered within a historical context, and critical and theoretical aspects of gender and writing. Readings will include, among others, works by Claribel Alegria, Isabel Allende, Carmen Boullosa, Rosario Castellanos, Laura Esquivel, Rosario Ferre, Renee Ferrer, Elena Garro, Angelica Gorodischer, Liliana Heker, Silvia Molina, Cristina Peri-Rossi, Elena Poniatowska, Laura Restrepo, Marcela Serrano, Rosina Valcarcel, Zoe Valdes, Ana Lydia Vega.

FS-411A Writing for the Media in Spanish Credits: 3
Prerequisite(s): CO-211 and CO-215
Co-requisite(s): FS-301, FS-300B, and FS-LAB
Term Offered: Spring Term
Course Type(s): WT
Focus on writing for all Spanish media (print and online news, television, radio). Fundamentals of news writing, news editing, online journalism, editorial writing, and feature writing will be studied. The class will be conducted in Spanish.

FS-411B Writing for the Media in Spanish Credits: 3
Prerequisite(s): CO-102 and CO-350
Co-requisite(s): FS-301, FS-300B, and FS-LAB
Course Type(s): None
Conducted in Spanish, focus will be on writing for all Spanish media (print and online news, television, and radio). Fundamentals of news writing, news editing, online journalism, editorial writing, and feature writing will be studied.

FS-412 Advanced Business Spanish I Credits: 3
Prerequisite(s): FS-313
Term Offered: All Terms
Course Type(s): None
Introduces the terminology and the techniques used in commercial transactions, including interpretation and writing of business materials. Enhances students' ability to function effectively in an increasingly important commercial language environment, locally in the United States as well as abroad, in any Spanish-speaking country. Develops students' geographic literacy and cultural understanding of the Spanish-speaking world, as these are central to being able to successfully conduct business in Spanish. Concentrates on vocabulary and linguistic and cultural background needed when dealing with subjects such as goods and services, marketing, finance, foreign market, and import-export.

FS-413 Advanced Business Spanish II Credits: 3
Prerequisite(s): FS-313; and EN-101 and EN-102 or permission of the instructor
Term Offered: Spring Term
Course Type(s): WT
Introduces the terminology and the techniques used in commercial transactions, including interpretation and writing of business materials. Enhances students' ability to function effectively in an increasingly important commercial-language environment, locally in the United States as well as abroad, in any Spanish-speaking country. Develops students' geographic literacy and cultural understanding of the Spanish-speaking world, as these are central to being able to successfully conduct business in Spanish. Concentrates on vocabulary and linguistic and cultural background needed when dealing with subjects such as goods and services, marketing, finance, foreign market, and import-export.

FS-414 Current Issues in Business in the Spanish-Speaking World Credits: 3
Prerequisite(s): FS-300A and FS-300B; or FS-313
Term Offered: All Terms
Course Type(s): None
Explores various topics and aspects of current business conditions, thought and policy in Spanish-America, Spain and the United States. Intended for students majoring in Spanish and International Business and any Spanish major interested in learning more about current topics in business of the Spanish speaking world. With department approval, native Spanish speakers only need to take FS-300B.

FS-415 The Literature and Culture of Post-Franco Spain Credits: 3
Prerequisite(s): FS-300B and FS-301
Term Offered: All Terms
Course Type(s): FS.LT
An in-depth analysis of the literary and cultural scene in contemporary Spain in light of the after-effects of the Spanish Civil War and subsequent forty-year dictatorship. Will consider particular problems and issues that have arisen in democratic Spain through close readings and discussions of some of the most significant narrative and cinematic texts of the Post-Franco period including relevant literary and cultural criticism. Will be taught completely in Spanish.

FS-416 Medieval and Golden Age of Spanish Literature Credits: 3
Prerequisite(s): FS-301, FS-300B, and either FS-305 or FS-307 or permission of the department
Term Offered: Spring Term
Course Type(s): FS.LT
An in-depth study of three periods of Spanish Peninsular literature: Medieval, Golden Age, and Baroque. Works include Poema de Mio Cid, La Celestina, La vida de Lazarillo de Tormes and other picaresque novels. The poetry of Gongora and Quevedo will also be studied. Taught in Spanish.

FS-417 Cadiz y su sociedad (Social Issues in Cadiz) Advanced Level Credits: 3
Prerequisite(s): FS-300A and FS-300B
Term Offered: Summer Term
Course Type(s): FS.LT
Offered in Spanish, this course analyzes diverse social issues in Cadiz within the framework of contemporary Spanish society. A significant component of the course includes consultation and collaboration with governmental and non-governmental agencies and community service.

FS-489 Internship in Foreign Language **Credits: 3**
Term Offered: Spring Term
Course Type(s): EX1
Supervised practical experience in Spanish; repeatable for credit. Departmental approval and Junior standing are required to take this course.

FS-498 Special Topics in Spanish (400 Level) **Credits: 3**
Term Offered: All Terms
Course Type(s): None
In this course, students will review advanced Spanish grammar through cultural and literary expression with an emphasis on the role of social poetry. The art of poetic translation will be an important component.

FS-499 Independent Study in Spanish **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Guided readings and research on an area or topic of Spanish language, culture and/or literature selected in consultation with the instructor. Regular conferences with the instructor and written reports. Prior permission of the directing professor and department chair is required to take this course.

Gender Studies (GS)

GS-220 History of Advertising **Credits: 3**
Term Offered: All Terms
Course Type(s): GS, HSUS
Designed to develop a critical understanding of the historical evolution of advertising in the United States, with critical attention to race, class, gender, and sexuality. We will explore the economic, political, and cultural factors that have contributed to the development of advertising, and which have been affected by advertising. Some of the topics to be discussed include: the rise of national advertising; the relation of advertising to consumption; advertising to children; political advertising; the relationship between advertisers and the medium in which they appear (magazines, television, radio, etc.); and broadcast and Internet advertising. Also listed as AN-220 and HS-220.

GS-225 Introduction to Gender Studies **Credits: 3**
Prerequisite(s): Completion of three credits
Term Offered: All Terms
Course Type(s): CD, GS, RE, SI, SJS, SS.SV
Examines gender inequalities and the pervasiveness of gender as a way of structuring/organizing social life. Emphasizes how gender as a social structure intersects with other social structures such as race, class, and sexuality to legitimize power and privilege and/or constrain diverse groups of people. Critiques conventional theories of gender and sociology and covers a broad spectrum of topics using feminist and sociological perspectives. Also pays attention to the connection between social structure and human agency - how people's experiences are both shaped by social forces and shaped through human action. First year students are not allowed to take this course prior to the beginning of the fall semester. Also listed as SO-225.

GS-252 Race and Ethnicity **Credits: 3**
Term Offered: All Terms
Course Type(s): ADS, CD, GS, RE, SI, SJS
Introduces students to the sociological study of race and ethnicity in the United States as interrelated social systems of power that grant a range of material and non-material advantages to different groups of people based on socially constructed definitions of race and ethnicity, particularly as race and ethnicity intersect with a variety of other social structures such as gender and class. Focuses on the historical legacy and current practices of institutionalized racism that have and continue to shape social relations in the U.S. Also listed as SO-252.

GS-305 Women in US History **Credits: 3**
Term Offered: Spring Term
Course Type(s): GS
Surveys women's historical experience in the U.S. The emphasis of the course will be on how women of different socio-economic backgrounds, races, and ethnic groups have shaped and been affected by U.S. History. Also listed as HS-305.

GS-307 History of Sexuality in America **Credits: 3**
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): CD, GS, HSUS, WT
Explores the social and cultural history of sexuality in the United States. How race, class, and gender have influenced ideas about sexuality, morality, and power. Major topics include: reproduction, gay and lesbian sexualities, sexually transmitted diseases, and sexual representation and censorship. Also listed as HS-307.

GS-369 Feminist Theories **Credits: 3**
Prerequisite(s): SO-225 or GS-225
Course Type(s): GS
Advanced exploration of the major currents of feminist social theory as they have emerged from feminist movement histories in the U.S. and globally. Students will critically examine competing feminist explanations for the history and persistence of gender inequality, as well as deconstruct sex, gender, sexuality from a range of feminist perspectives. The course will also invite students to consider what it means to be "feminist" and how these meanings are connected to the relations and tensions between gender, sexuality, race/ethnicity, class, ability, and nation. In particular, students will compare and contrast key concepts and theoretical assumptions of major feminist theories with a commitment to intersectional analyses. Students will also apply feminist theory to better understand social relationships, organizations, and politics, and self-reflect on how course content applies to their lives as people situation within multiple social contexts and identities. Also listed as SO-369.

GS-370 Gender Studies Seminar **Credits: 3**
Prerequisite(s): Three credits in Gender Studies elective courses
Course Type(s): GS
An examination of several disciplines from the perspective of sex and gender. Each discipline is reviewed, and sources of bias are identified. Special attention is given to new data and emergent paradigms generated by recent research in Gender Studies and their implications for traditional assumptions.

GS-377 A Comparative Study of Women in the World **Credits: 3**
Prerequisite(s): GS-225 or SO-225
Term Offered: All Terms
Course Type(s): BI.EL, GS, GU, PSCG
A comparative study of the political, cultural, social, and economic statuses of women in the United States, Western Europe, Russia, Japan, Israel, and Third-World nations. Also listed as PS-377. Prerequisites: GS-225 or SO-225

GS-399 Independent Study in Gender Studies **Credits: 3**
Prerequisite(s): GS-225, 6 credits from Gender Studies courses, and prior permission of the directing professor and department chair
Term Offered: Spring Term
Course Type(s): None
Guided research of a selected topic under the direction of a member of the Gender Studies faculty.

GS-499 Independent Study in Gender Studies **Credits: 3**
Prerequisite(s): GS-225, 6 credits from Gender Studies courses, and prior permission of the directing professor and department chair
Term Offered: Spring Term
Course Type(s): None
Guided research of a selected topic under the direction of a member of the Gender Studies faculty.

Geographic Information Systems (GIS)

GIS-224 Introduction to Geographic Information Systems (GIS) **Credits: 3**
Term Offered: All Terms
Course Type(s): MEBP, SS.SV, TL
Provides both the theoretical and methodological background for proficient use of geographic information systems (GIS). A multidisciplinary integration of theories and applications pertinent to both natural and social science research. Lectures and discussions will introduce the conceptual and methodological platform that is necessary to design, implement, and interpret GIS research. Weekly lab exercises will develop problem-solving skills and emphasize common research techniques in GIS. Students will also learn field techniques of spatial data collection. In sum, demonstrates how both GIS tools and a geographic perspective may be applied to a broad range of social and ecological research problems. Not open to students who have taken GIS-250.

GIS-235 GIS Applications in Homeland Security **Credits: 3**
Prerequisite(s): GIS-224
Term Offered: All Terms
Course Type(s): None
Introduces students to the basic theories in geographic information systems (GIS). It provides students with a hands-on practical approach to analyze homeland security related data. Students will develop a skill set to map homeland security data and perform spatial analytical tasks. Also listed as HLS-235.

GIS-298 Special Topics in Geographic Information Systems **Credits: 3**
Prerequisite(s): GIS-224
Course Type(s): None
The study and application of GIS to a particular subject.

GIS-299 Independent Study in Geographic Information Systems **Credits: 3**
Course Type(s): None
Conduct a geographic information systems (GIS) research project with a faculty member. Prior permission of the directing professor and department chair is required to take this course.

GIS-324 Spatial Data **Credits: 3**
Prerequisite(s): GIS-224
Term Offered: All Terms
Course Type(s): None
Provides an introduction to the collection of various types of spatial data relevant to many GIS applications and basic database management for organization of the data. Students will be introduced to various data-collection techniques through a combination of lectures, discussions, readings, and hands-on experience in the field.

GIS-325 Spatial Analysis **Credits: 3**
Prerequisite(s): GIS-224
Term Offered: Spring Term
Course Type(s): None
Focus will be the analysis of spatial data, culminating in an applied research project. For this intermediate level course, it is expected that students have successfully completed an introductory course in Geographic Information Systems (GIS). Students will learn the theory and practical application of spatial analysis methods for a variety of disciplines. The methods applied in this course include, but may not be limited to, geoprocessing, overlay analysis, spatial statistics and interpolation, terrain modeling, and map algebra. These methods will be applied to analyze contemporary social and environmental problems.

GIS-335 Advanced Geographic Information Systems and Homeland Security **Credits: 3**
Prerequisite(s): GIS-235 or HLS-235
Term Offered: Spring Term
Course Type(s): None
Students will build upon the skills and information learned in GIS-235 Geographical Information Systems and Homeland Security to demonstrate advanced techniques in the analysis of spatial data to help the homeland security enterprise prevent, mitigate, respond to, and recover from intentional, natural, and accidental threats. Also listed as HLS-335.

GIS-336 Marine Applications of Geographic Information Systems **Credits: 3**
Term Offered: Fall Term
Course Type(s): EX3, MEBP
Students learn mapping technologies for coastal and marine planning. Techniques are then applied to coastal community for a service learning project in fulfillment of the Experiential Education graduation requirement. Services are provided in partnership with a community, and may include projects such as coastal zone planning or participatory workshops to many community resources.

GIS-337 Fundamentals of Remote Sensing **Credits: 3**
Term Offered: Fall Term
Course Type(s): MEBP
Students learn the fundamentals of remote sensing technologies and of their application to environmental mapping and analysis. This course introduces concepts of light radiation behavior and detection, satellite and airborne imaging systems, image processing and classification, mapping, and map analysis. Students will apply this knowledge through a hands-on term project of their own design.

GIS-400 Research Methods in GIS **Credits: 3**
Prerequisite(s): GIS-224
Course Type(s): None
Participants in this seminar will, with the instructor's guidance, 1) plan all aspects of their own discipline-specific research, 2) acquire all of the necessary data, 3) build and populate a spatial database for their data, 4) create a GIS to import, manipulate, and analyze their data, and 5) present their completed project.

GIS-489 GIS Internship **Credits: 1-3**
Term Offered: All Terms
Course Type(s): EX1
Supervised practical experience in geographic information systems. Repeatable for credit. Departmental approval is required to take this course.

GIS-499 Independent Study in Geographic Information Systems **Credits: 3**
Prerequisite(s): GIS-224 and prior permission of the directing professor and department chair is required to take this course
Term Offered: All Terms
Course Type(s): None
Conduct a geographic information systems (GIS) research project with a faculty member.

Geography (GO)

GO-100 People, Places, and Environments: Introduction to Geography **Credits: 3**
Term Offered: All Terms
Course Type(s): CD, TL
Emphasis on the introductory level, is on cultural, physical, and world-regional geography. Topics include cultural and physical dimensions of the earth and the interrelationships of humans and the environment.

GO-101 Principles of Human Geography **Credits: 3**
Term Offered: All Terms
Course Type(s): CD, TL
The human environment in which we live; the influence and effect of space, place, location, scale, distance, and movement separately and in their mutual interaction with the cultural, economic, social, and political, urban circumstances of peoples and places.

GO-102 Environmental Geography **Credits: 3**
Term Offered: All Terms
Course Type(s): SS.SV
Introduces students to the study of location, distribution, and interrelationships of the physical processes that form the environment, and how human activities influence these processes. Topics include: climate, biogeography, biodiversity, sustainability, as well as topography, map reading, and geographic information systems (GIS).

GO-103 Physical Geography **Credits: 3**
Term Offered: All Terms
Course Type(s): NS
A survey of the Earth sciences from a spatial perspective. We will use maps, diagrams, simulations, and computer mapping software to learn about the systems of the Earth. Students will gain an understanding of physical processes and patterns of the Earth's atmosphere, climate, landforms, and biosphere. Understanding of these systems will be used to examine the ways in which humans influence and adapt to Earth systems. The learning outcomes of this course satisfy a general education requirement for the Natural Sciences. Also listed as SC-103.

GO-125 Maps and Mapping **Credits: 3**
Term Offered: All Terms
Course Type(s): SS.SV
Introduction to the study of maps and cartography from the perspective of the social sciences. Topics will include: map types, the content and structure of maps, map interpretation, the history of mapping, map propaganda, the use of maps in society, and sources of data. Students will use maps and mapping to represent and interpret past and present economic, political, social, and geographic phenomena.

GO-199 Independent Study in Geography **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Reading and research on a selected topic under the direction of a faculty member. Prior permission of the directing professor and department chair is required to take this course.

GO-220H The City in Film **Credits: 3**
Course Type(s): HO
Through the study of popular images of the city in film, reflect on urban problems and issues, as well as perceptions of the city changing over time. Explores themes in urban studies through the medium of film. The films are augmented by related readings and serve as a starting point for illumination and critique of the political economy and sociocultural dimensions of cities and urban society.

GO-231 Urban Sociology **Credits: 3**
Prerequisite(s): SO-101
Course Type(s): RE
Theoretical analysis of the modern urban community, including the history of the city and analysis of urban institutions and behavior patterns; problems relating to metropolitan and suburban areas, community planning, and urban renewal. Also listed as SO-231.

GO-267 Tourism Around the World **Credits: 3**
Term Offered: All Terms
Course Type(s): BI.EL, GU, SUS
Introductory examination of the various factors that impact tourism in different parts of the world. Students will consider political, social, economic, cultural, and environmental factors that affect tourists, local populations, and the physical destinations. Also listed as AN-267.

GO-268 Urbanization **Credits: 3**
Term Offered: All Terms
Course Type(s): CD, RE, SUS
Introduction to urbanization on a global scale. Historical and contemporary development of the world's cities, using geographical approaches to urban analysis. Includes examination of urban forms and the local global, social, cultural, economic, political, and physical processes that shape and are shaped by cities, and the large and rapidly growing cities of the developing world that dominate and control the global economy. Also listed as AN-268.

GO-275 Global Environmental Problems **Credits: 3**
Term Offered: All Terms
Course Type(s): GU, HE.EL, SUS
Focus on the complex relationship between human beings and their environments in an effort to build an ecological perspective in a global framework. Discussion of basic issues of ecological science in terms of impact on both the Western and non-Western worlds. Also listed as AN-275.

GO-280 Introduction to Tour Guiding and Tourist Sites **Credits: 3**
Course Type(s): None
Course will focus on the role and responsibilities of Tour Guides and the development of sites for use in tours and tourism. We will use scholarly articles and texts, as well as films and blogs to explore the complexities and possibilities of tour guiding in the 21st century.

GO-298 Special Topics in Geography (200 Level) **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
An intensive study of a particular subject or problem in geography to be announced prior to registration. If a prerequisite is required it will be announced in the course schedule.

GO-332 Climate Change Adaptation and Policy **Credits: 3**
Term Offered: Spring Term
Course Type(s): MEBP, SUS
Climate Change Adaptation and Policy provides a survey of the global engagements surrounding climate change adaptation and policy that currently affects billions around the globe. The subject matter covered includes understanding how to evaluate the proxies and impacts of climate change, the geography of climate change, and the policies and planning tools that are used in addressing the current and forecasted effects of climate change. The class includes local, regional, national, and international examples within a mixed-methods approach that simultaneously uses a scientific, natural processes understanding that is juxtaposed with policy-based initiatives that deal with the real-life costs and procedures in addressing climate change. Also listed as PS-332.

GO-399 Independent Study in Geography **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Reading and research on a selected topic under the direction of a faculty member. Prior permission of the directing professor and department chair is required to take this course.

GO-499 Independent Study in Geography **Credits: 3**
Prerequisite(s): GO-101 and prior permission of the directing professor and department chair
Term Offered: All Terms
Course Type(s): None
Reading and research on a selected topic under the direction of a faculty member.

Geology (GL)

GL-100 Diamonds, Drilling and Dinosaurs: Introductory Geology **Credits: 3**
Term Offered: All Terms
Course Type(s): NS
Provides comprehensive coverage of the geosciences which spans from the formation of our universe to understanding the physical processes that affect the New Jersey coastline. The principles of geology and earth science are used to demonstrate to the student that the geosciences are involved in every aspect of their daily lives and to make them aware of the role they play in society both economically and physically.

GL-199 Independent Study in Geology **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
Original research work planned and carried out with the assistance of a faculty research advisor. The number of course credits will be arranged with the advisor. Three hours per credit. Prior permission of the directing professor and department chair is required to take this course.

Health Studies (HE)

HE-100 Technology and Health Informatics **Credits: 3**
Term Offered: All Terms
Course Type(s): HE.EL, HEPE, TL
This course examines the history of healthcare informatics, current issues, basic informatics concepts and health information management systems. The use of technology to help make decisions and to improve the health status of the individual, family, and community is emphasized. Students will apply informatics concepts to a current clinical practice setting suggesting methods to use technology to improve patient safety and work effectiveness. The student will also learn to identify, gather, process, and manage information/data.

HE-101 Strategies for Healthy Living **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Factors influencing personal health; function of body cells and systems; lifestyle choices such as nutrition, exercise, alcohol, drug and tobacco use, sexuality, contraception, and sexually transmitted diseases; the U.S. health care system and those of other countries.

HE-150 Medical Terminology **Credits: 3**
Term Offered: All Terms
Course Type(s): HE.EL, HEPE, NU.EL
Introduction of medical terminology to those students who have an interest in a wide variety of health care services. Presents a study of basic medical terms, including prefixes, suffixes, word roots, special endings, plural forms, abbreviations, and has a special emphasis on spelling, definition, usage, and pronunciation for each body system. A programmed learning, word building system will be used to learn word parts that are used to construct and analyze new terms. The accurate use and understanding of medical terminology used in communications between health care professionals, clients, and other providers of care will be enhanced by taking this course.

HE-180 Introduction to Public Health **Credits: 3**
Term Offered: All Terms
Course Type(s): HE.EL, HEPE
This course is designed to provide an introduction to the field of public health. The history of the field as well as key philosophical perspectives are reviewed. It will address the core values of public health practice, and the role of public health agencies at the international, national, state and local levels. Determinants of health, public health initiatives, ethical practice and selected contemporary public health issues will be explored.

HE-198 Special Topics in Health Studies **Credits: 1-3**
Term Offered: Spring Term
Course Type(s): HE.EL, HEPE
An intensive study of a particular subject or problem in health studies to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

HE-199 Independent Study in Health Studies **Credits: 3**
Course Type(s): HE.EL, HEPE
Guided research and in-depth study of an area of health studies of particular interest to the student. Prior permission of the directing professor and department chair is required to take this course.

HE-200 Becoming a Home Health Aide **Credits: 4**
Term Offered: Spring Term
Course Type(s): HE.EL, NU.EL
Through classroom lecture, discussions, reading and laboratory practice the student will learn the 76-hour training program designed to meet the NJ requirements for the Certified Homemaker/Home Health Aide (HHA). After completion of this course the student will have the opportunity to sit for the state examination and become certified as a HHA. Once certified, the student will be able to gain employment as a certified HHA in numerous agencies and institutions in NJ.

HE-212 Lifespan Development and Health **Credits: 3**
Term Offered: All Terms
Course Type(s): HE.EL, RD
Health from conception through senescence using a developmental approach. Examines the factors that influence health at each stage of life, including the effect of environmental, biological, and genetic influences and common deviations from health. Using this approach, the student will investigate the effect of political and economic policies, education, epidemiology, health promotion, and illness prevention programs.

HE-225 Mind-Body Connection **Credits: 3**
Term Offered: Spring Term
Course Type(s): HE.EL
Focuses on the psychology of wellness and illness and the healing connections between the mind and body across diverse cultures. How stress is interpreted and expressed in different cultures will be explored. The healing practices and rituals of different faiths and cultural traditions will be explored.

HE-235 Human Aging **Credits: 3**
Term Offered: All Terms
Course Type(s): HE.EL, HEPE
Designed to provide an understanding of the major health problems, health promotion, and wellness concepts that affect older people. Offers an introduction to the physical and functional changes associated with human aging. Common illnesses that are often identified in older people will be discussed. In addition, factors will be presented that are believed to cause or influence the aging process, changes in physical function and quality of life.

HE-260 Substance Use and Abuse **Credits: 3**
Term Offered: All Terms
Course Type(s): HE.EL
Physical, psychological, and sociological aspects of addictive substances; legal and ethical concerns; alternative methods of dealing with stress in young adulthood; socially responsible behavior.

HE-275 Anthrozoology, Ethics, and Health **Credits: 3**
Course Type(s): HE.EL
Introduces students to the varied and complex ways in which animals contribute to human well-being and illness. Students will expand their understanding of the biological, social, psychological, environmental, occupational, spiritual, and cultural implications associated with the use of, and relationships with, animals. Students will critically examine cultural beliefs and practices that impact the well-being of humans, animals, and the planet.

HE-290 Health Research Methods **Credits: 3**
Prerequisite(s): EN-101 and EN-102
Co-requisite(s): MA-105 or MA-151
Term Offered: All Terms
Course Type(s): HE.EL, HEPE, HY, WT
Introduces students to the basic concepts in health sciences research. Students will gain an understanding of the rationale for conducting research, study designs, qualitative and quantitative inquiry, principles of instrumentation and measurement, data management and interpretation, and research proposal writing and presentation techniques. Students should be able to apply these concepts to evaluate research done by others.

HE-299 Independent Study in Health Studies **Credits: 3**
Course Type(s): HE.EL
Guided research and in-depth study of an area of health studies of particular interest to the student. Prior permission of the directing professor and department chair is required to take this course.

HE-315 Critical Research Appraisal **Credits: 3**
Prerequisite(s): MA-151 and HE-290
Term Offered: All Terms
Course Type(s): HE.EL, HEPE, HO
This course will introduce the student to key concepts of the critical appraisal of literature within health science and public health. The first section of the course reviews relevant research design and statistical issues that will be helpful in understanding an evidence-based approach to the literature. The second section of the course reviews basic principles of an evidence-based approach and introduces evidence-based issues related to diagnosis and prognosis. The third section of the course introduces evidence-based issues related to intervention. Throughout the course, material presented in lecture will be accentuated with "real-world" data from the literature and the instructor's ongoing research. In addition, the student will have the opportunity to apply an evidence-based approach to answering a scientific clinical research question.

HE-320 Principles of Health Education **Credits: 3**
Prerequisite(s): HE-101 and HE-290 or permission of the instructor
Term Offered: All Terms
Course Type(s): HE.EL, HEPE, RD
Examination of the principles and practices of health education for adults in the community, including program development and implementation, educational strategies, behavioral objectives, learner characteristics, and institutional assessment. Essential factors for teaching, learning, and motivating clients to make behavioral changes to promote health.

HE-324 Human Sexuality **Credits: 3**
Term Offered: All Terms
Course Type(s): GS, HE.EL, HEPE, NU.EL
Human Sexuality is an introductory course designed to help students reflect on their own personal experience, development, background, and value stance while becoming acquainted with research findings, current concepts, and diverse viewpoints about human sexuality. This information will focus on essential components of human sexuality and their relationship to human development. Social, cultural, and developmental determinants of sexual health will be examined. Content will include: anatomy, physiology, hormones, birth control, sexually transmitted infections, pregnancy/childbirth, sexual development, gender identity, sexual orientation, love, healthy relationships, sexual assault, sexual behavior/variation, and sexuality in media. Also listed as NU-324.

HE-330 Women's Health **Credits: 3**
Term Offered: All Terms
Course Type(s): BI.EL, CD, GS, HE.EL, HEPE
Health care needs and concerns of women from diverse cultures will be examined. This course explores the biological, psychosocial, and sociocultural issues that impact women throughout the lifespan. Topics include the history and status of women's health globally, gender-based violence, sexual and reproductive health, and lifestyle choices that impact health. Throughout the course we will explore the impact of culture, ethnicity, socioeconomic status, systems of oppression, and gender on a woman's ability to be physically, mentally, and emotionally healthy. Also listed as NU-330.

HE-340 Environmental Health Issues **Credits: 3**
Term Offered: All Terms
Course Type(s): BI.EL, GU, HE.EL, HEPE, SUS
A comprehensive study of current environmental, occupational health issues and associated health risks. Focus on the practical applications of assessing environmental, quality and occupational safety. Major topics include: population growth, water quality, use of pesticides, air pollution, food quality, and occupational health. Legal and regulatory issues also considered.

HE-350 Epidemiology **Credits: 3**
Prerequisite(s): HE-290 passed with a grade of C- or higher and MA-151, or permission of the instructor
Term Offered: All Terms
Course Type(s): HE.EL, HEPE
A study of the basic principles and methods of epidemiology. These include types of epidemiologic studies, choices in study design, measures of disease frequency and association, sources of bias, screening, and applications to public health. The course covers conceptual and practical issues in epidemiologic research and the interpretation of epidemiologic data.

HE-360 Transcultural Health **Credits: 3**
Term Offered: Spring Term
Course Type(s): BI.EL, CD, HE.EL, RE
This course focuses on beliefs and practices by individuals and groups from a variety of cultures. Emphasis is placed on cultural sensitivity, cultural diversity, and implications for health. Differences in cultural beliefs related to health, illness, and the impact on the delivery of healthcare will be examined.

HE-365 Wisdom, Wellness and Aging **Credits: 3**
Term Offered: All Terms
Course Type(s): CD, HE.EL, HEPE
Provides an understanding of the cross-cultural variations in the status of aging and health in older adults. Examples of various cultures include examining older adults from non-English speaking countries, such as North Korea, South Korea, Iran, Mexico, China, and Brazil. Examines factors that affect the economic, social, and health care decisions made by the older adults from these diverse populations as well as other nations. Topics to be covered include examinations of health implications on aging populations in non-English speaking countries. Compare countries, such as Japan, India, and Nigeria, to explore how their specific culture influences caregiving, social support networks, and community. Specific cultural views of love, intimacy, and sexuality in older adults will be examined. Also listed as NU-365.

HE-370 Alternative/Complementary Health Therapies **Credits: 3**
Term Offered: All Terms
Course Type(s): BI.EL, GU, HE.EL, HEPE
Cultural origins of Complementary Alternative Medical (CAM) therapies will be discussed. Perspectives of health and healing through co-mingling Eastern Traditional Complementary and Alternative Medicine (TCAM) therapies and Western biomedical practices into an integrative strategy will be examined. Appropriate therapies for health promotion and specific illness contexts, potential risks/benefits, ethical issues addressing treatment choices and global entities that employ CAM therapies will be discussed. There will be an emphasis on choosing CAM therapies that are supported by research as safe and effective. Knowledge of reliable sources of information on the Internet will improve decision making regarding therapies. Also listed as NU-370.

HE-375 Health in Developing Countries: A Cross-Cultural Perspective **Credits: 3**
Term Offered: All Terms
Course Type(s): BI.EL, GU, HE.EL, HEPE, SUS
Designed to introduce students to the concept of health as a cross-cultural issue. Students will examine their own health beliefs and practices and expand their understanding of health and health issues of the developing world. Contemporary health issues will be analyzed. Health care delivery systems in selected countries in Asia and Africa will be examined and compared to the American health care system. Students are expected to problem solve and postulate solutions to contemporary and emerging health issues. Also listed as NU-375.

HE-376 Guatemala Public Health **Credits: 3**
Term Offered: Spring Term
Course Type(s): CD, EX3, HE.EL, HEPE
Guatemala Public Health will introduce students to the concepts and practice of public health in a low and middle income country. Students will expand their understanding of health issues that exist in Guatemala and they will deliver a health education lesson to "Las Amigas", Guatemalans who are being trained to be community health care workers. The group will also work on a construction project during the work week. Students and faculty will fly to Guatemala City and travel to Chichicastenango and Antigua and several surrounding towns. This is a hybrid course that involves asynchronous on-line work. Permission of the instructor is required to take this course.

HE-380 Nutrition and Health **Credits: 3**
Term Offered: All Terms
Course Type(s): HE.EL
An introduction to the physiology of nutrition, basic concepts of normal nutrition and nutrition in chronic disease (such as diabetes mellitus, and cardiovascular disease and obesity) will be explored. A study of the basic nutrients and the gastrointestinal system in its role of digestion, absorption, and metabolism. Food needs of an individual throughout life (birth to old age) will be considered along with necessary dietary modifications caused by decreased activity. Food fads and fallacies will be discussed, as will factors to consider in choosing a healthy diet. Current concerns, such as how safe are the additives in our foods; the role of sugar, salt, and highly processed foods; and alternative therapies, such as herbal remedies and phytochemicals and their potential roles in modern nutrition will be studied. Weight management will be addressed as it relates to medical-nutrition therapy.

HE-389 Internship in Health and Physical Education Credits: 1-3
Term Offered: All Terms
Course Type(s): EX1, HE.EL, HEPE
Supervised, pre-professional field experience in health and physical education. The student will secure an internship site related to his/her interests and career goals. Potential internship sites include health and fitness clubs, community wellness agencies, coaching opportunities, hospitals, corporations, and private services. The student will work fifty hours per credit per term at his/her internship site. Students are required to obtain a faculty sponsor, develop learning objectives at the start of their internship, keep a journal of their internship activities throughout their placement, and write a final paper reflecting upon their internship experience. Also listed as PE-389. This is a pass/fail course. Departmental approval is required to take this course. Junior standing (and others by permission of a faculty advisor), placement opportunity and approval by the Health and Physical Education Department are required to take this course. Limited to Health majors.

HE-398 Special Topics in Health Education (300 Level) Credits: 1-3
Term Offered: All Terms
Course Type(s): HE.EL, HEPE
An intensive study of a particular subject or problem in health education to be announced prior to registration. If a prerequisite is required it will be announced in the course schedule.

HE-399 Independent Study in Health Credits: 1-3
Term Offered: All Terms
Course Type(s): HE.EL, HEPE
Guided research and in-depth study of an area of health of particular interest to the student. Prior permission of the directing professor and department chair is required to take this course.

HE-430 Health Advocacy Credits: 3
Prerequisite(s): HE-101 and HE-290, and Junior standing; or permission of the instructor
Term Offered: All Terms
Course Type(s): HE.EL, HEPE
Focus is on personal and peer health advocacy. Being healthy involves making decisions that are right for each individual and being part of a community that promotes healthy behaviors. Advocating for individual health requires that the student has the confidence, basic understanding of advocacy, resources, and skills to make proper health decisions. Foster student health advocacy as skills are taught while students grapple with personal and social questions that affect their overall health and the health of others. Put student-health promotion into the hands of the students. They will be required to create a health initiative. These initiatives will foster a healthier Monmouth University community.

HE-435 Community Health Credits: 3
Prerequisite(s): HE-101, HE-290, and Junior standing; or permission of the instructor
Term Offered: All Terms
Course Type(s): HE.EL, HEPE
Healthcare of groups and communities; this includes community and public health theories, epidemiology, health promotion, illness prevention, research, ethics, vulnerable populations, and common deviations from health.

HE-440 Health Policy Credits: 3
Prerequisite(s): EN-101, EN-102, HE-290 and Junior standing or permission of the instructor
Term Offered: All Terms
Course Type(s): HE.EL, HEPE, WT
Delves into the core elements that define health policy. Describes factors, such as the healthcare delivery systems (public/non-profits vs. private/for profits), access to care, healthcare financing, quality-of-care issues, and social issues, such as gender and culture, and their impact on health and healthcare. The dynamics of the policy-making process at different levels (federal, state and local) will be explored, along with policy analysis and how policy influences healthcare decisions. The complexities and challenges of healthcare reform will be identified. Also listed as NU-440.

HE-476 Interpersonal Violence Credits: 3
Term Offered: All Terms
Course Type(s): HE.EL, HEPE
Examines the various types and patterns of violence related to cultural values, beliefs, biases, and societal issues, as well as the historical perspectives of violence. Course content includes: family, community, youth, and workplace violence; child, domestic, elder, and sexual abuse. Theories concerning gender violence, gangs, bias and hate crimes, and terrorism are challenged. Public health and health care issues related to violence, and primary, secondary, and tertiary-level interventions for victims and offenders of violence are discussed. Individual responsibilities associated with identification and reporting violence are identified. Health care measures to identify and prevent violence are analyzed. Methods of treatment for victims and perpetrators of violence are evaluated. Also listed as NU-476.

HE-485 Professional Seminar in Health Credits: 3
Prerequisite(s): HE-101, HE-290, and Junior standing; or permission of the instructor
Term Offered: All Terms
Course Type(s): EX5, HE.EL, HEPE
Provides students with the experiential education requirement for the BS in Health Studies. Students will have a placement in a health setting where they will have the opportunity to work with a health professional and to apply what they have learned in class to the experiential setting. Weekly seminars will be designed to allow the students to share their experiences with their peers.

HE-489 Internship in Health and Physical Education Credits: 1-3
Term Offered: Summer Term
Course Type(s): EX1, HE.EL, HEPE
Supervised, pre-professional field experience in health and physical education. The student will secure an internship site related to his/her interests and career goals. Potential internship sites include health and fitness clubs, community wellness agencies, coaching opportunities, hospitals, corporations, and private services. The student will work fifty hours per credit per term at his/her internship site. Students are required to obtain a faculty sponsor, develop learning objectives at the start of their internship, keep a journal of their internship activities throughout their placement, and write a final paper reflecting upon their internship experience. This is a pass/fail course. Departmental approval is required to take this course. Junior standing (and others by permission of a faculty advisor), placement opportunity and approval by the Health and Physical Education Department are required to take this course. Limited to Health majors.

HE-498 Special Topics in Health **Credits: 3**
Course Type(s): HE.EL, HEPE
An intensive study of a particular subject or problem in health education to be announced prior to registration. If a prerequisite is required it will be announced in the course schedule.

HE-499 Independent Study in Health Studies **Credits: 1-3**
Term Offered: All Terms
Course Type(s): HE.EL, HEPE
Guided research and in-depth study of an area of health studies of particular interest to the student. Prior permission of the directing professor and department chair is required to take this course.

History (HS)

HS-101 Western Civilization in World Perspective I **Credits: 3**
Term Offered: All Terms
Course Type(s): HS.SV
An introduction to the major historical developments in the history of Western society and its intellectual tradition. Secondarily, it is also an introduction to the uses of history itself. Our survey will consider ancient Greece and Rome, Medieval Europe, the Renaissance, the Reformation, and the rise of nation-states in Europe. To understand the history of the West in a larger context, we will examine it in relation to the history of the Middle East, particularly at points of contact such as the Crusades.

HS-102 Western Civilization in World Perspective II **Credits: 3**
Term Offered: All Terms
Course Type(s): HS.SV
A readings-based introduction to Western history, from the seventeenth century to the present, in the perspective of a major non-Western civilization. Topics include the Enlightenment, the Industrial Revolution, the Great Depression, the World Wars, the Cold War, and Globalization.

HS-107 Love and Marriage in Historical Perspective **Credits: 3**
Term Offered: All Terms
Course Type(s): HS.SV
Love and Marriage in Historical Perspective is a reading-and-discussion-based thematic history course. This course is designed to expose students to the history of love and marriage from classical antiquity to the present in global perspective. Marriage is one of the oldest social institutions in human culture: and, as an institution, it has not always been associated with the concept of love. This course considers the transformation of marriage as both a public, private, political, economic, social, and emotional institution that has been fundamental to the development of human societies. This includes a discussion of the Greco-Roman world, the Middle Ages, the Romantic era and marriage in the global village at the present. Why is traditional marriage on the decline in Western societies? What is traditional marriage? When, why, and how did the idea of love get tangled up with marriage and how successful has the love-marriage connection been over time? Why is marriage in crisis? What does love have to do with it? What are the revolutionary implications of the rise and fall of marriage as a love-match? These are some of the questions we will contemplate in this course as associated with issues related to sex, gender, sexuality, race and class by examining love and marriage in literature, poetry, music, and in philosophical treatises on the subject utilizing the historical method as the primary approach.

HS-108 Human Gods: Science, Technology, and Culture in History **Credits: 3**
Term Offered: All Terms
Course Type(s): HS.SV
This is a readings and discussion based history course on the interplay between science, technology, and culture in history from the global scientific revolution to the human genome project. The overarching theme of the course is "Human Gods" because we will pay close attention to how scientists in their attempts to manipulate nature in a sense "play god" and how playing god may have devastating consequences for marginalized groups in particular and humanity more generally. Some various arenas of science and technology including medicine, military technology, and computer technology are examined in the course to demonstrate how individuals, industries, and governments have harnessed science and technology to control nature (such as with disease control, other nations in warfare, and general human activity via computer technologies).

HS-110 Historical Studies **Credits: 3**
Term Offered: All Terms
Course Type(s): HS.SV
Through a deep study of a single historical topic, students will learn how historians draw and revise conclusions about the past. They will examine the uses and abuses to which history is put, and they will practice advancing historical arguments of their own.

HS-198 Special Topics in History (100 Level) **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
An intensive study of a particular subject or problem in history to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar-basis. If a prerequisite is required it will be announced in the course schedule.

HS-201 United States History I **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
The development of the multi-ethnic American nation. Colonial origins, the Revolution, the Age of Jackson, slavery, the Civil War, and Reconstruction.

HS-202 United States History II **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
The development of the multi-ethnic American nation. The emergence of modern industrial America, domestic reform and civil rights, world conflict, and leadership.

HS-203 New Jersey History: A Mirror on America **Credits: 3**
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: Spring Term
Course Type(s): HSUS, WT
An introduction to and overview of New Jersey history (1600-1950). Various trends in local history are tied to national developments. Important people, events, and trends in the state history are examined.

HS-209 The History of African-Americans **Credits: 3**
Term Offered: Spring Term
Course Type(s): ADS, CD, HSUS, RE
The study of African-Americans from their first contacts with Europeans through the rise of the Black Power movement in the 1960's; the status of African-American society and contributions to American culture.

HS-212 Introduction to Public History **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Defines public history, explains its past, and explores its intricacy to the future of the historical profession. Topics covered will include oral history, museums and archives management, history's influence on public policy, teaching history, history and the media, cultural tourism, the politics of memory, and digital history. Students will put what they have learned in the classroom to work in the field via a capstone service learning project. All students will, throughout the course of the semester, produce portfolio items suitable for presentation to future employers.

HS-219 United States Military History **Credits: 3**
Term Offered: Spring Term
Course Type(s): HSUS
Surveys the American experience of war, from the first Native American-European contact through the military interventions at the dawn of the twenty-first century; examines not only the major conflicts in this period, but also the evolution of strategy, military institutions, civil-military relations, and the American way of war.

HS-220 History of Advertising **Credits: 3**
Term Offered: All Terms
Course Type(s): GS, HSUS
Designed to develop a critical understanding of the historical evolution of advertising in the United States, with critical attention to race, class, gender, and sexuality. We will explore the economic, political, and cultural factors that have contributed to the development of advertising, and which have been affected by advertising. Some of the topics to be discussed include: the rise of national advertising; the relation of advertising to consumption; advertising to children; political advertising, the relationship between advertisers and the medium in which they appear (magazines, television, radio, etc.), and broadcast and Internet advertising. Also listed as AN-220 and GS-220.

HS-233 Classical Civilizations **Credits: 3**
Term Offered: All Terms
Course Type(s): HSEU, HSPRE
Mediterranean civilizations from the Ancient Near East through Classical Greece and Rome, to the close of the Western Roman Empire.

HS-243 Medieval Europe I (300-1400) **Credits: 3**
Term Offered: Spring Term
Course Type(s): HSEU, HSPRE
Europe from the decline of Rome through the fourteenth century. Semester I (to 1100): barbarian invasions, rise of the Church, early medieval culture, Byzantium and Islam, feudalism and manorialism. Semester II: Empire vs. Papacy, the Church at its height, the flowering of medieval culture.

HS-244 Medieval Europe II (300-1400) **Credits: 3**
Term Offered: Spring Term
Course Type(s): HSEU, HSPRE
Europe from the decline of Rome through the fourteenth century. Semester I (to 1100): barbarian invasions, rise of the Church, early medieval culture, Byzantium and Islam, feudalism and manorialism. Semester II: Empire vs. Papacy, the Church at its height, the flowering of medieval culture.

HS-251 History of the British Isles I **Credits: 3**
Term Offered: Fall Term
Course Type(s): HSEU, HSPRE
Roman, Anglo-Saxon, and Celtic cultures; consolidation of the Anglo-Norman Feudal Monarchy; the impact of the Reformation and Tudor absolutism; and constitutional crisis and revolution to 1688.

HS-252 History of the British Isles II **Credits: 3**
Term Offered: Spring Term
Course Type(s): HSEU
Union between England and Scotland, Parliamentary reform, Industrial Revolution, Empire and Commonwealth, Ireland and Home Rule, democracy and the welfare state, and contemporary Britain and Ireland.

HS-253 History of Ireland **Credits: 3**
Term Offered: Spring Term
Course Type(s): HSEU
Selected themes in Irish history from prehistoric times to the present, including Celtic Christianity, Norman Conquest and Gaelic Recovery, Protestant Ascendancy, Rebellion and Revolution, the Famine and Emigration, Home Rule, the Irish Republic, the Troubles in Northern Ireland and the European Union.

HS-261 History of Russia I **Credits: 3**
Term Offered: Fall Term
Course Type(s): BI.EL, GU, HSAS, HSEU, HSNW, HSPRE
Russia from ancient times to the Nuclear Age. Semester I: the consolidation and decline of the Kievan state, the Muscovite and Imperial eras, the impact of the West to about 1855.

HS-262 History of Russia II **Credits: 3**
Term Offered: Spring Term
Course Type(s): ARHIS, CD, HSAS, HSEU, HSNW
Russia from ancient times to the Nuclear Age. Semester II: the reform era, revolutionary movements, the Soviet state, and the evolution and collapse of the communist regime.

HS-264 North American Indians **Credits: 3**
Term Offered: All Terms
Course Type(s): GU, HSPRE, HSUS, RE
Survey of the cultural, social, and linguistic diversity of pre-Columbian North American societies and problems of contemporary Indian groups. Also listed as AN-264.

HS-266 Historical Archaeology **Credits: 3**
Prerequisite(s): AN-103 or HS-201; and EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): HSPRE, HSUS, WT
Provides an introduction to historical archaeology, the archaeology of the modern world (c.1492+). Focuses on archaeological sites in the United States. Students are introduced to the various written and material sources that historical archaeologists use to interpret the recent past, including artifacts, vernacular architecture, grave markers, documents, photographs and other visual sources. Archaeological field methods are also introduced with a minimum of one class period spent excavating an archaeological site. Also listed as AN-266.

HS-271 Europe, 1914-1939 **Credits: 3**
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Course Type(s): BI.EL, GU, HSEU, WT
Europe during and after World War I: the consequences of that war, the crisis of European democracy, Communism and the Soviet Union, the rise of Fascism in Italy and National Socialism in Germany, and the failure of collective security.

HS-272 Europe Since 1939 **Credits: 3**
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): GU, HSEU, WT
World War II and post-war Europe: the Cold War, European recovery, economic integration, Communism in Eastern Europe, the Soviet Union as a major power, and Europe's changing role.

HS-283 The Civilizations of Asia (India, China, Japan) Credits: 3
Term Offered: All Terms
Course Type(s): HSAS, HSNW, HSPRE
A survey of Asia's great cultural traditions through literature, art, science, religion and institutions, and the interplay of these traditional cultures with Western civilization.

HS-284 Modern East Asia Credits: 3
Term Offered: Spring Term
Course Type(s): GU, HSAS, HSNW
This course is a broad introduction to modern East Asian history from the mid-19th century to the end of the 20th. Through three spatial modules-Japanese archipelago, Chinese mainland, and Korean peninsula-we will explore the interconnections and divisions between these different spaces during a time of rapid change. By diving deeply into a selection of primary and secondary sources (both visual and in translation) from this period, we will examine the major social, cultural, and political shifts over the 19th and 20th centuries in East Asia. We will in particular explore what modernity means in the context of East Asia.

HS-285 Modern China Credits: 3
Course Type(s): GU, HSAS, HSNW
This course will explore the last two centuries of Chinese history, including the opium wars and the fall of the Qing dynasty, the rise of the Chinese Communist Party and founding of the People's Republic of China, post-1949 attempts at socialist transformation, as well as the evolution and consequences of economic reform since the early 1980s. We will draw upon historical writing, memoirs, reportage, and fiction, as well as translations of original documents.

HS-290 Popular Culture and the Middle East Credits: 3
Course Type(s): GU, HSNW, RE
Examines recent events, traditional cultural practices, and the perceptions of the Middle East through the lens of popular media (film, graphic novels, journalism, etc.). Topics to be covered may include but are not limited to: religion, the Arab Spring (2011), the Iranian Revolution, the Arab-Israeli Conflict, women's rights/roles, Orientalism and racism, and common governing structures. Also listed as AN-290.

HS-291 Introduction to Islamic History Credits: 3
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: Spring Term
Course Type(s): BI.EL, GU, HSAS, HSEU, HSNW, HSPRE, RE, WT
Examines the history and development of the Islamic umma (the community of Muslim believers) across time and space. Traces the development of Islam, taking care to understand the environment into which it was first introduced, and follow its development in terms of philosophy and spirituality to the present day. Takes into account variation within the religion as it spread out of the Arabian Peninsula and across the world.

HS-292 The Middle East and the Rise of the Gunpowder Empires Credits: 3
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: Spring Term
Course Type(s): BI.EL, GU, HSAS, HSNW, WT
Examines the history of the Middle East from the 1200s through the end of the 1700s. In the West this era is typically known as the high-water mark for Islamic Civilization, an era marked by a height for Islamic art, architecture, and political organization, this era also marks the time during which Islamic governments held power over the largest swath of territory. To understand this time period students will examine Persian, Ottoman, Egyptian, Indian, and Magrabi/Andalusian history.

HS-293 The African Diaspora in the Americas Credits: 3
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: Spring Term
Course Type(s): ADS, GU, HSNW, HSUS, RE, WT
The dispersion of African people across the world was a seminal event in the history of humankind. African people have profoundly influenced the development of human history from this dispersion. Includes a comprehensive historical overview of the African Diaspora in the Caribbean, Latin America, and North America, from the height of the Atlantic Slave Trade in the eighteenth century to the present.

HS-295 History of Africa Credits: 3
Term Offered: All Terms
Course Type(s): ADS, GU, HSAF, HSNW, RE
Africa in modern times, emphasizing the sub-Saharan part of the continent; traditional African civilizations; European colonization and its impact on Africa; economic, social, and political transformation; and the problems of nation-building.

HS-296 Cultures and Societies of Africa Credits: 3
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): ADS, CD, HSAF, HSNW, RE, WT
Examines the history, cultures, and societies of Africa from the precolonial to the contemporary period. Discusses the cultural, political, and economic changes that have taken place in Africa as a result of Western influence. Also listed as AN-296.

HS-297 History of West Africa Credits: 3
Prerequisite(s): HS-101, HS-102, EN-101 and EN-102 or permission of the instructor
Term Offered: Spring Term
Course Type(s): ADS, CD, HSAF, HSNW, HSPRE, RE, WT
An examination of the history of West Africa from AD 1000 to the present. Special topics include: the sources of West African history, the peoples and empires of West Africa, agriculture and the trans-Saharan trade, the introduction of Islam, the coming of the Europeans, and the post-independent period of West Africa.

HS-298 Special Topics in History (200 Level) Credits: 1-3
Course Type(s): None
An intensive study of a particular subject or problem in history to be announced prior to registration. The course may be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

HS-299 Independent Study in History Credits: 1-3
Term Offered: All Terms
Course Type(s): None
Guided study of a selected topic in history not substantially treated in a regular course, under the direction of a member of the History faculty. Extensive reading and at least one written report are required. Prior permission of the directing professor and department chair is required to take this course.

HS-303 American Colonial and Early National Period Credits: 3
Term Offered: Spring Term
Course Type(s): HSUS
The evolution of the British colonies from their establishment to the American Revolution. The first problems in the development of the new nation to the era of Andrew Jackson.

HS-304 Monuments and Commemoration: Loss and Remembrance Credits: 3
Course Type(s): HSUS
Examines the evolution of American attitudes towards commemoration and remembrance from the colonial period to the present. Focuses on the analysis of landscapes and artifacts, e.g., monuments, grave markers, cemeteries, and historic sites. Topics discussed include the evolution of American burial grounds from colonial burial grounds to the rural cemeteries of the Victorians, and modern memorial parks. Changing grave marker designs and iconography are examined. Distinct ethnic, regional, and national memorial practices are also studied. Public memorials in the form of statuary, commemorative institutions, and historic sites will also be discussed. There will be field trips to select sites. Also listed as AN-304.

HS-305 Women in US History Credits: 3
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: Spring Term
Course Type(s): GS, HSUS, WT
Surveys women's historical experience in the US. The emphasis of the course will be on how women of different socio-economic backgrounds, races, and ethnic groups have shaped and been affected by US History. Also listed as GS-305.

HS-306 Jazz Age and Harlem Reniassance Credits: 3
Term Offered: All Terms
Course Type(s): ADS, HSUS, RE, WT
Focus will be on race, gender, class and sexuality in Jazz Age America as related to the development of the Harlem Renaissance. Harlem was the center of black culture in the 1920s; but this "New Negro Movement" stretched far beyond Harlem. In this course, we will explore both the national and transnational dimensions of the Harlem Renaissance and how the culture of the Harlem Renaissance helped to shape modern American culture more broadly. This course will include an examination of the Harlem Renaissance in American history from multiple perspectives including literary, artistic, cinematic, economic and philosophical aspects of the Renaissance in American history.

HS-307 History of Sexuality in America Credits: 3
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): CD, GS, HSUS, RE, WT
Explores the social and cultural history of sexuality in the United States. How race, class, and gender have influenced ideas about sexuality, morality, and power. Major topics include: reproduction, gay and lesbian sexualities, sexually transmitted diseases, and sexual representation and censorship. Also listed as GS-307.

HS-308 The American Civil Rights Movement Credits: 3
Term Offered: All Terms
Course Type(s): ADS, HSUS, RE
Includes a historical examination of the major personalities, groups, and organizations central to the development of the American Civil Rights Movement in the 1960s. Students will be introduced to important scholarship and participant histories crucial to the Movement through an examination of both primary and secondary source material.

HS-309 Readings in African-American Intellectual History Credits: 3
Term Offered: Spring Term
Course Type(s): ADS, CD, HSUS, RE
Examines some of the major themes and thinkers in the development of the African-American intellectual tradition from the black abolitionists to the present. Major topics of the course include the formation of black oppositional leadership in the Reconstruction south, Booker T. Washington and racial accommodation, W.E.B. DuBois and integration, along with Black Nationalism and contemporary, black-feminist theory.

HS-310 Business and Economic Development of the United States Credits: 3
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): HSUS, WT
The impact of political and economic decisions on the structure of society: agrarianism, merchant capitalism, laissez-faire industrialism, neomercantilism, and the social welfare state.

HS-312 Oral History Credits: 3
Term Offered: Fall Term
Course Type(s): None
Students will learn about oral history by reading about it, researching it, and actually doing it. Students will end the semester with a solid understanding of when, why, and how to conduct oral history interviews, as well as an awareness of the logistical, ethical, and legal considerations involved in doing so. All students will, throughout the course of the semester, produce portfolio items suitable for presentation to future employers.

HS-313 History of the Book in America Credits: 3
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): HO, HSUS, WT
Examines the impact of printed text in America historical development from the colonial era to the present day. It will cover selected topics that will demonstrate that the printed text in all of its various manifestations was shaped by a nascent and evolving American culture and, in turn, was instrumental in shaping this culture.

HS-314 Exploring History and Heritage Sites Credits: 3
Term Offered: Spring Term
Course Type(s): None
The days of whitewashed, feel good history; staid curators; dusty, static museum displays; and musty, hushed archives are fading. Today, the public history community is constantly reassessing what constitutes a history or heritage site, and how traditional sites like museums and archives should operate in the 21st century. In this class, we will consider what history and heritage sites look like, and what they can do to stay relevant while still honoring their core values. In addition to reading the latest in the historiography, students will spend several class sessions visiting local sites, which will act as case studies related to designated readings.

HS-315 Field Research in Archaeology Credits: 3
Prerequisite(s): AN-103 or AN-107 or permission of the instructor
Course Type(s): EX5, HSUS
Archaeological field methods, analysis of data, and anthropological interpretation; students will do supervised work on local sites. May be repeated for a maximum of six credits. Also listed as AN-315.

HS-317 Museum and Archives Management Basics **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
Introduces students to the best practices and procedures of museum and archives management. Topics covered will include the basics of museum and archives administration, as well as the basics of records management, collections care, exhibition, and interpretation.

HS-325 Digital Humanities **Credits: 3**
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): CD, WT
Students will learn the history of and think critically about the field and methodologies known as "Digital Humanities." We will investigate what the digital humanities are, how they have changed over time, their role in academia, their accessibility to the public, the systemic biases and issues within digital humanities and technology, and the possibilities of digital humanities to bring about change in the humanities and the public understanding of the humanities more broadly.

HS-330 The Civil War and Reconstruction **Credits: 3**
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): HSUS, RE, WT
Covers the military, political, and social history of the American Civil War, and the rise, the fall, and the legacies of the postwar Reconstruction.

HS-331 World War II **Credits: 3**
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Course Type(s): HSEU, HSUS, WT
Considers the military, economic, and political characteristics of the Allied and Axis powers and the strategies they produced; examines the military campaigns, the wartime economies, life on the home fronts, the experience of combat, the dynamics of occupation, and the roles of morality and immorality in the conduct of the war.

HS-332 The Cold War **Credits: 3**
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): HSEU, HSUS, WT
Examines the rivalry between the United States and the Soviet Union that organized global politics for forty-five years; the roles of ideology, economy, and security that fueled it; and the diplomacy, propaganda, and the armed might use to wage it; and the impact it had on participants' politics and culture.

HS-333 The Vietnam Era **Credits: 3**
Term Offered: Spring Term
Course Type(s): HSUS, RE
The Vietnam Era, which grew out of America's longest war, was a major influence on American society at home and abroad. Explores the military and political role the U.S. played in this conflict, its influences on American society, and the living legacy of this turbulent era.

HS-344 French Revolution and Napoleon **Credits: 3**
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: Spring Term
Course Type(s): CD, HSEU, WT
Study of France and French influence on Europe between 1789 and 1815; the causes and changing aims of the Revolution, the conflict of ideologies, the failure of the First Republic, and the Napoleonic Empire.

HS-349 Slavery in the Atlantic World **Credits: 3**
Prerequisite(s): AN-380 or GS-252 or SO-252
Course Type(s): ADS
The emergence and decline of racial slavery in the Atlantic World from 1492 to 1888 is the primary focus of this course. Students will learn to understand and articulate the major forces that facilitated the development and collapse of modern slavery in the Atlantic Work and how the residual impact of this system continues to shape contemporary race relations and systems of power at the present. There will be an emphasis on the interrelationship between race, gender, and class in New World plantation societies as evolving systems of power in North America, Latin America, and the Caribbean over time including some discussion of the Black Atlantic. The class serves as a required course for students minoring in race and ethnic studies.

HS-351 Victorian Culture **Credits: 3**
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: Spring Term
Course Type(s): CD, HSEU, WT
Victorian England was the first nation to experience the full force of the societal upheaval caused by industrialization. This course will focus on selected aspects of this culture to demonstrate the complexity of the problems faced by Victorians and the ensuing debates in all theaters of life on proposed solutions to these problems. Specific emphasis will be placed on Victorianism, the middle class ethos, which was both product and agent of Victorian culture.

HS-352 Militant Nationalism **Credits: 3**
Term Offered: All Terms
Course Type(s): HSEU, HSNW, RE
Examines the development of militant nationalist groups and the ideologies behind militant nationalism over the course of the twentieth century. Several case studies will be examined including, but not necessarily limited to: the Irish Republican Army (IRA), the National Liberation Front of Algeria (FLN), the Euskadi Ta Askatasuna (ETA), and the Tamil Tigers (LTTE).

HS-357 Blood & Iron: Germany in the Nineteenth Century **Credits: 3**
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): CD, HSEU, WT
Prussian militarism, legacy of the French Revolution, 1848, Bismarck and Unification, social tensions in the Empire, industrialization, nationalism and racism, and causes of World War I.

HS-358 Modern Germany, 1914-Present **Credits: 3**
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: Spring Term
Course Type(s): CD, HSEU, WT
World War I, Revolution of 1918-19, Weimar Republic, origins of Nazism, the Third Reich, World War II, the Occupation, post-war Germanys, and Unification.

HS-359 The Holocaust **Credits: 3**
Term Offered: All Terms
Course Type(s): HSEU, RE
An examination of the Holocaust with special emphasis on the historical background in European political, social, economic, and religious institutions; the implications of the planned extermination of European Jewry for world civilization; and the question of responsibility.

HS-361 Revolution and Reaction: Jews of the Russian Empire and the Soviet Union (1772-1939) Credits: 3
Course Type(s): CD, HSEU
This cultural, social, religious, economic and political history of the Jews of the Russian Empire in the 19th and early 20th centuries. Who were they and where did they come from? What was their place in society and what policies were invoked in the Russian Empire to deal with the "Jewish problem?" How did their lives change after the Bolshevik revolution and the establishment of the Soviet Union?

HS-391 The Modern Middle East Credits: 3
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Course Type(s): GU, HSNW, RE, WT
Covers the history of the geographic Middle East, North Africa and some of South and Central Asia (largely the heartland of the Islamic world) from 1798 to the present. Particularly interested in examining the fall of empires and monarchies and the rise of modern nationalist movements in addition to the rise of religious fundamentalist and socialist movements across the region as well.

HS-392 History of the Arab-Israeli Conflict Credits: 3
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: Spring Term
Course Type(s): BI.EL, CD, HSAS, HSEU, HSNW, RE, WT
Examines the development of the conflict over a region known as Palestine (post-1948: Israel) from the late 1800s to the present. Special emphasis will be placed on themes related to imperialism, nationalism, cultural definition, religion, ethnicity, gender, militancy, and the environment.

HS-396 Colonial Africa Credits: 3
Term Offered: All Terms
Course Type(s): ADS, GU, HSAF, HSNW
Examines the process of European colonization of Africa in the second half of the nineteenth century. The main issues include: the scramble for and partition of Africa; African resistance to European imperialism and colonization; colonial political, economic, and social policies; the rise of nationalism, and the process of decolonization.

HS-397 Globalization and Africa Credits: 3
Term Offered: All Terms
Course Type(s): ADS, GU, HSAF, HSNW, RE
Globalization has profoundly influenced and transformed Africa in multi-dimensional ways-economically, politically, and socially. While globalization is not a new development, it has had a significant impact on Africa since the late nineteenth century. Africa has been connected to the world market thereby leading to opportunities for economic growth and development. Although African states are still grappling with sustainable economy, they remain strongly attached to the world economic system. Politically, there has been a transition from the monarchical to the parliamentary/presidential systems. This course will examine the concept of globalization, how it has impacted Africa, how Africa how responded to the economic, political, and social changes and challenges. We will also discuss the ways Africa can become more relevant in global affairs.

HS-398 Special Topics in History (300 Level) Credits: 1-3
Term Offered: All Terms
Course Type(s): None
An intensive study of a particular subject or problem in history to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

HS-399 Readings and Research in History Credits: 1-3
Term Offered: All Terms
Course Type(s): None
Guided study of a selected topic in history not substantially treated in a regular course, under the direction of a member of the History faculty. Extensive reading and at least one written report are required. Senior standing; status as a History, History and Political Science, or History and Education major with a 3.00 or higher G.P.A. in major coursework; and prior permission of the directing professor and department chair are required to take this course.

HS-435 The Renaissance Credits: 3
Prerequisite(s): HS-101 and HS-102
Course Type(s): HSEU, HSPRE
Europe in transition from the fourteenth to the sixteenth century; the crisis of the Church, humanism and art, politics, diplomacy, exploration and discovery, science and the occult.

HS-436 The Reformation Credits: 3
Prerequisite(s): 12 credits in History or Junior standing
Term Offered: All Terms
Course Type(s): HSEU, HSPRE
A study of sixteenth- and early seventeenth-century religious and political developments in Europe; causes of the Reformation, its political and social institutionalization, ideas of reformers, wars of religion, and the Counter-Reformation. Also listed as RS-436.

HS-437 Power and Enlightenment: Europe 1648-1789 Credits: 3
Course Type(s): HSEU, HSPRE
A study of European history from the Treaty of Westphalia to the French Revolution, emphasizing the contrast between political and military developments, and cultural and intellectual trends. Special emphasis on the development of absolutism in France, Prussia, Austria, Spain, and Russia; the struggle against absolutism in Britain, Sweden, and the Netherlands; the ideals and goals of the European enlightenment, developing social and political tensions, and enlightened despotism.

HS-453 Tudor - Stuart England Credits: 3
Prerequisite(s): 12 credits in History of Junior standing, and EN-101 and EN-102, or permission of the instructor
Term Offered: Summer Term
Course Type(s): HSEU, HSPRE, WT
Focus will be on society, politics, and religion in sixteenth- and seventeenth-century England. Major topics for discussion will include the English Reformation, the Age of Elizabeth and Shakespeare, the British Civil Wars, the Restoration, and the Revolution of 1688. Each topic will be discussed with reference to the social and economic changes that helped to mold this period.

HS-461 Research Seminar in History Credits: 3
Prerequisite(s): Senior standing and 18 credits in History above HS-202
Term Offered: All Terms
Course Type(s): RD
The development, research, and writing of a research paper in history, with special emphasis on scrupulous documentation, use of primary sources, clear expository writing, and oral presentation of research results. Country or region of study is open.

HS-489 History Internship **Credits: 1-3**
Term Offered: All Terms
Course Type(s): EX1
Supervised, professional experience in public history programs and institutions (e.g., museums, archives, historical societies, preservation agencies). Emphasis on the development of professional skills in areas such as the care and management of historical collections, public education and outreach programming, collections research and analysis, and grant research and writing. This course is repeatable for credit. Junior standing, departmental approval, and placement are required to take this course.

HS-498 Special Topics in History (400 Level) **Credits: 1-3**
Course Type(s): None
An intensive study of a particular subject or problem in history to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

HS-499 Readings and Research in History **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Guided study of a selected topic in history not substantially treated in a regular course, under the direction of a member of the History faculty. Extensive reading and at least one written report are required. Senior standing; status as a History, History and Political Science, or History and Education major with a 3.00 or higher G.P.A. in major coursework; and prior permission of the directing professor and department chair are required to take this course.

Homeland Security (HLS)

HLS-101 Introduction to Homeland Security **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Introduction to the fundamental components of homeland security. The course examines historic events that shaped homeland security policy and practice, as well as providing students with an understanding of the interdisciplinary, interagency, interjurisdictional, and all-hazards nature of homeland security. Homeland security hazards include adversarial/ human caused threats (terrorism, crime), natural threats (hurricanes, tornadoes, earthquakes, storms), and technological/accidental threats (industrial/transportation). Homeland security policies and practices endeavor to prevent, mitigate, respond to, and help the Nation recover from all hazards.

HLS-199 Independent Study in Homeland Security **Credits: 3**
Term Offered: Summer Term
Course Type(s): None
Independent study on a Homeland Security topic not substantially treated in a regular course. Prior permission of the directing professor and department chair is required to register for this course.

HLS-235 GIS Applications in Homeland Security **Credits: 3**
Prerequisite(s): GIS-224
Term Offered: All Terms
Course Type(s): None
Introduces students to the basic theories in Geographic Information Systems (GIS). Provides students with a hands-on practical approach to analyze homeland security related data. Students will develop a skill set to map homeland security data and perform spatial analytical tasks. Also listed as GIS-235.

HLS-245 Strategic Security Management **Credits: 3**
Prerequisite(s): HLS-101
Term Offered: All Terms
Course Type(s): None
Analysis of the post-September 11, 2001 strategic security environment. The course focuses on threat and vulnerability assessments, and the use of data to drive security strategy. Students will assess and evaluate current and evolving business practices to protect private sector and government architecture and critical infrastructure assets. The course explores current and evolving security technology, techniques, procedures, and risk-based resource allocation of personnel and security-technologies.

HLS-285 Domestic and International Terrorism **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Provides students with an in-depth examination of terrorism and its implications for society. Examines terrorist ideologies, motivations, goals, strategies, and tactics. Focuses on issues related to the operational and organizational dynamics of terrorist organizations, state and political terrorism, religious-motivated terrorism, domestic terrorism, the relationship between the media and terrorism, terrorist tactics and targeting, and counter-terrorism methodologies.

HLS-286 Principles of Emergency Management **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Introduces students to the background components and systems involved in the management of disasters and other emergencies. Focusing on the United States, the course will illustrate current practices, strategies and key players involved in emergency management.

HLS-287 Theoretical Approaches to Homeland Security **Credits: 3**
Prerequisite(s): HLS-101, HLS-285, HLS-286, EN-101, and EN-102
Term Offered: All Terms
Course Type(s): WT
Examines the various theories that describe, explain, predict, and judge the causes of terrorism and crime, as well as the behaviors associated with natural, technological/ accidental, and adversarial/human caused disasters. Topical issues include terrorism, transnational crime, extreme weather, and emergent threats including climate, economic, energy, environmental, food, human, technology, and water security.

HLS-298 Special Topics in Homeland Security **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
An intensive study of a particular subject or problem in Homeland Security to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

HLS-299 Introduction to Homeland Security **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Independent study on a Homeland Security topic not substantially treated in a regular course. Prior permission of the directing professor and department chair is required to register for this course.

HLS-301 Homeland Security Intelligence **Credits: 3**
Prerequisite(s): EN-101, EN-102, and HLS-101
Term Offered: All Terms
Course Type(s): WT
Examines the role of intelligence in homeland security policy and practice. The course focuses on the duties and responsibilities of intelligence collectors, analysts, and policy makers in the intelligence cycle. Topical issues include intelligence policy, law and ethics; threat and vulnerability assessments; and interagency information-sharing processes.

HLS-302 Advanced Homeland Security Intelligence **Credits: 3**
Prerequisite(s): HLS-301
Term Offered: Summer Term
Course Type(s): None
Examines the role of strategic intelligence in homeland security policy and practice. The course focuses on intelligence methodologies that bring a broad range of information to bear on difficult strategic questions, select that information which is most significant, and then tailor the information for decision makers. The course will examine recent terrorist attacks and other events with strategic implications as well as projected future threats.

HLS-303 Open Source Intelligence **Credits: 3**
Prerequisite(s): HLS-301
Term Offered: Spring Term
Course Type(s): None
Open source intelligence is publically available information including academic and trade publications, court documents, news sources, business websites, and social networks, forums, and blogs that are collected, evaluated, and disseminated in a timely manner for the purposes of addressing specific intelligence requirements. The course examines the rapidly evolving open-source information landscape and the implications for U.S. homeland security. Students will apply the tenets of open-source intelligence to current homeland security issues.

HLS-310 Transport Security **Credits: 3**
Prerequisite(s): HLS-101
Term Offered: All Terms
Course Type(s): None
Examines transportation security issues in the homeland security era. The course examines topics associated with the security of aircraft, airports, bridges, roadways, seaports, vehicles, trains, train stations, vessels, tunnels, waterways, and utilities (cable lines, telephone lines, pipelines, and powerlines), as well as border security, hazardous material risks, intermodal transportation, and supply chain resilience. The course also examines technological solutions employed to enhance transportation security.

HLS-315 Homeland Security Research Methods **Credits: 3**
Prerequisite(s): CJ-211 or MA-151, EN-101 and EN-102
Term Offered: All Terms
Course Type(s): WT
Introduces students to the principles of scientific research in criminal justice. It begins with a description of the importance of research by criminal justice and homeland security organizations and moves toward the tenets of sound research practices, including: the formulation or a research question, developing a hypothesis, collecting data, measurement, analysis, and evaluation. Special attention is devoted to practical, ethical, and political issues that can arise when conducting research. Also listed as CJ-315.

HLS-320 Critical Infrastructure Security **Credits: 3**
Prerequisite(s): HLS-101
Term Offered: All Terms
Course Type(s): None
Introduces students to the identification and protection of the Nation's sixteen critical infrastructure sectors, and their roles in homeland security. The course examines the roles of government and the private sector in identifying, mitigating, and protecting critical infrastructure from all-hazards. The course focuses on risk-based implementation of protective measures and practices.

HLS-335 Advanced Geographic Information Systems and Homeland Security **Credits: 3**
Prerequisite(s): HLS-235 or GIS-235
Term Offered: Spring Term
Course Type(s): None
Students will build upon the skills and information learned in HLS-235 Geographical Information Systems and Homeland Security to demonstrate advanced techniques in the analysis of spatial data to help the homeland security enterprise prevent, mitigate, respond to, and recover from intentional, natural, and accidental threats. Also listed as GIS-335.

HLS-375 Homeland Security Internship **Credits: 3**
Prerequisite(s): CJ-101 or HLS-101, EN-101, EN-102 and permission of the instructor
Term Offered: All Terms
Course Type(s): CJHLS, EX1, WT
Provides practical experiences in the administration of criminal justice and homeland security through assignments to criminal justice and homeland security agencies under the joint-supervision of agency officials and Monmouth University instructors. Course assignments include a resume and cover letter application for an internship; journaling of real-world professional experiences; and the evaluation of criminal justice/homeland security policies and practices.

HLS-385 Cyber Security **Credits: 3**
Prerequisite(s): HLS-101
Term Offered: All Terms
Course Type(s): None
The internet and cyber technologies have created unparalleled opportunities for commerce, education, entertainment, and public discourse. Accompanying these opportunities are unprecedented criminal and terrorist threats. This course examines security issues related to securing the cyber space including information infrastructure maintenance, information assurance, continuity planning, cybercrime, cyber terrorism, privacy, and emerging technologies.

HLS-386 Emergency Management Planning **Credits: 3**
Prerequisite(s): HLS-286
Term Offered: Spring Term
Course Type(s): CJHLS
This course provides students with a comprehensive overview of emergency management planning. The course examines the multifaceted inter-agency participatory processes inherent to emergency management planning and provides students with the opportunity to develop emergency operations plans with fellow students. Topical issues include the four phases of emergency management, continuity of operations planning (COOP), hazard vulnerability assessment, and business continuity.

HLS-387 Emergency Management Table-Top Exercises **Credits: 3**
Prerequisite(s): HLS-286
Term Offered: Fall Term
Course Type(s): CJHLS
This course provides a comprehensive overview of emergency management scenario and exercises planning. The course focuses on the National Preparedness System and stakeholder preparedness. Topical issues include table-top exercises, field-exercises, computer generated simulations, assessment, preparedness, core capabilities, and media relations.

HLS-398 Special Topics in Homeland Security **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
An intensive study of a particular subject or problem in homeland security to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

HLS-399 Independent Study in Homeland Security **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Independent study on a Homeland Security topic not substantially treated in a regular course. Prior permission of the directing professor and department chair is required to take this course.

HLS-489 Internship in Homeland Security **Credits: 3**
Term Offered: Spring Term
Course Type(s): EX1
Supervised practical experience in homeland security. Repeatable for credit. Junior standing, departmental approval, and placement are required to register for this course.

HLS-490 Senior Research Project in Homeland Security **Credits: 4**
Prerequisite(s): CJ-315 or HLS-315 and Senior standing
Term Offered: All Terms
Course Type(s): CJHLS
Provide the student with an opportunity to complete a senior thesis in the area of homeland security. By exploring and analyzing the practical as well as theoretical problems, the student will be able to recommend changes with homeland security based upon empirical study. Criminal Justice majors should register for CJ-490.

HLS-498 Special Topics in Homeland Security **Credits: 1-3**
Prerequisite(s): HLS-385 or CS-104
Term Offered: All Terms
Course Type(s): None
An intensive study of a particular subject or problem in homeland security to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis.

HLS-499 Independent Study in Homeland Security **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Independent study on a Homeland Security topic not substantially treated in a regular course. Prior permission of the directing professor and department chair is required to register for this course.

Honors (HO)

HO-101 Cultural Engagement I **Credits: 1**
Course Type(s): HO
Designed to help students develop a life-long engagement with cultural and intellectual discourse. Requires students to attend various on and off campus events (theater, music, dance, art, seminars). The events are enriched through discussion of their meaning and significance and the preparation of written assessments.

HO-102 Cultural Engagement II **Credits: 1**
Term Offered: Spring Term
Course Type(s): HO
Designed to help students develop a life-long engagement with cultural and intellectual discourse. Students are required to attend various on and off campus events (theater, music, dance, art, seminars). The events are enriched through discussion of their meaning and significance and the preparation of written assessments.

HO-103 Great Works I: on the Natural and Social Sciences **Credits: 3**
Term Offered: Spring Term
Course Type(s): HO
First year Honors School students will be introduced to a sampling of the classic works that have come to define the natural and social sciences. Through an integration of some of the classics of the ancient and medieval (Plato, Aristotle, Thucydides, Cicero, Confucius, Sun-Tzu, Augustine, Galileo, Ibn-Rushd) with those of the modern (Machiavelli, Bacon, Newton, Hobbes, Locke, Rousseau, Pascal, Darwin, Freud, Einstein, Skinner, Marx, Smith, Keynes, Hayek, Wollstonecraft, Butler, Carson), Honors students will gain insight into the foundation of what has become known as the natural and social sciences. Without a strong understanding of Plato's views on justice, Darwin's views on evolution, Skinner's views on behavior, Marx's conceptions of alienation, and/or Butler's views on sexuality, students' understanding of the social and natural sciences will be incomplete. For Honors Students only.

HO-104 Great Works II: On the Arts and Humanities **Credits: 3**
Course Type(s): HO
Introduces first-year Honors School students to selected major works in the literary, historical, philosophical, and/or creative arts. Through integrated study of ancient and medieval classis and more recent works, students will gain insight into the foundation of the contemporary arts and humanities. First-year Honors student status, or permission of the Honors School dean is required to register for this course.

HO-198 Special Topics in Honors (100 Level) **Credits: 1-6**
Term Offered: Spring Term
Course Type(s): HO
An intensive study of a particular subject or problem to be announced prior to registration. May be conducted on either a lecture-discussion on a seminar basis. If a prerequisite is required it will be announced in the course schedule.

HO-199 Independent Study in Honors (100 Level) **Credits: 1-4**
Course Type(s): HO
Guided study of a topic not substantially treated in a regular course, under the direction of a faculty member. Extensive reading and at least one written report are required. Prior permission of the directing professor and department chair is required to take this course.

HO-202 Leadership & Professional Development Through Honors Education **Credits: 1**
Term Offered: All Terms
Course Type(s): HO
Students will learn to use their honors education to help build leadership and professional skills. The course focuses on students can strategically use their college experience to help build their resumes, make themselves more marketable for internships, and prepare for their future career.

HO-296 Honors Thesis/Capstone Preparation **Credits: 1**
Term Offered: All Terms
Course Type(s): HO, HY
This course is designed to provide students with the opportunity to develop a strong topic, research question, and thesis/artist statement before beginning their Honors Proposal in HO 396. Students will be given a set of assignments that will provide them with greater organization and focus as they develop their proposal for their Honors thesis/capstone project. Upon completing the assignments and course requirements, students should be well on their way to the development of a comprehensive proposal for their honors thesis/capstone project. For Honors students only. Non-honors students allowed by permission of the Dean of the Honors School only.

HO-298 Special Topics in Honors (200 Level) **Credits: 1-6**
Term Offered: All Terms
Course Type(s): HO
An intensive study of a particular subject or problem to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

HO-299 Independent Study in Honors (200 Level) **Credits: 1-4**
Term Offered: Spring Term
Course Type(s): HO
Guided study of a topic not substantially treated in a regular course, under the direction of a faculty member. Extensive reading and at least the written report are required. Prior permission of the directing professor and department chair is required to take this course.

HO-396 Honors Thesis/Capstone Proposal **Credits: 2**
Term Offered: All Terms
Course Type(s): HO
This course focuses on the formal development of the honors thesis or capstone project proposal under the direction of at least one professor (first reader) and possible additional professor (second reader) with expertise in the student's area(s) of interest related to the capstone. HO-396 is the first half of the two-part thesis/project completion series. HO-396 involves the student undertaking secondary research, reading, thinking, writing, and generally delving into the project topic. Students work to complete this course mostly independently but always in consultation with their reader(s) and Honors Thesis Advisor, as well as the Honors School Dean, culminating in a thesis/capstone proposal. Honors students only. The course is open to non-honors students with permission of the Honors School Dean.

HO-398 Special Topics in Honors (300 Level) **Credits: 1-6**
Term Offered: Fall Term
Course Type(s): HO
An intensive study of a particular subject or problem to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

HO-399 Independent Study in Honors (300 Level) **Credits: 1-4**
Term Offered: Spring Term
Course Type(s): HO
Guided study of a topic not substantially treated in a regular course, under the direction of a faculty member. Extensive reading and at least one written report are required. Prior permission of the directing professor and department chair is required to take this course.

HO-496 Honors Thesis/Capstone Completion **Credits: 2**
Prerequisite(s): HO-396 passed with a grade or B or higher, and a minimum GPA of 3.30
Term Offered: All Terms
Course Type(s): HO
HO 496 is the second part of a two-part capstone series and focuses on the completion of the honors thesis or capstone project proposal under the direction of at least one professor (first reader) and possible additional professor (second reader). HO-496 involves the student carrying out the research or completing the project developed in HO-396 proposal. Students work to complete this course mostly independently but always in consultation with their reader(s) and permission of the Honors Thesis Advisor, as well as the Honors School Dean, culminating in a completed research thesis/capstone project. For Honors students, however non-honors students can register at the discretion and with the permission of the Honors School Dean.

HO-498 Special Topics in Honors (400 Level) **Credits: 1-6**
Course Type(s): HO
An intensive study of a particular subject or problem to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

HO-499 Independent Study in Honors (400 Level) **Credits: 1-4**
Course Type(s): HO
Guided study of a topic not substantially treated in a regular course, under the direction of a faculty member. Extensive reading and at least one written report are required. Prior permission of the directing professor and department chair is required to take this course.

Humanities (HU)

HU-201 Critical Discourse **Credits: 3**
Prerequisite(s): EN-102
Term Offered: All Terms
Course Type(s): RD
An introduction to basic principles of clear thinking and effective argument, combined with small group discourse and collaborative problem solving.

Information Techonology (IT)

IT-100 Information Technology **Credits: 3**
Term Offered: All Terms
Course Type(s): TL
Introduction to computer-based information management concepts that provide an integrated approach to personal computer software in a Windows environment. These include, word processing, spreadsheet, database, presentation graphics, and electronic communication applications; information retrieval from the Internet and online library resources; fundamental computer literacy; and the ethical and societal implications of computer technology. Hands-on experience with a microcomputer on a networked system is provided. Not open to students who have completed CS-102 or IT-102 or IT-150.

IT-102 Information Technology for Scientists **Credits: 3**
Term Offered: All Terms
Course Type(s): TL
Introduction to computer-based information management that provides an integrated approach to personal computer software in a Windows environment, which includes word processing, spreadsheet, mathematics, database, presentation graphics, Internet and electronic communication applications. Emphasizes scientific applications, technical report preparation and presentation. Hands-on experience with a microcomputer on a networked system is provided.

IT-103 Applied Information Technology **Credits: 3**
Term Offered: Fall Term
Course Type(s): TL
Applies the principles and tools of information technology toward a deeper understanding of their impact on scientific, social and ethical issues via a central theme for the semester such as (but not limited to) climate change, big data, health-care cost analysis and others. This course will use software such as spreadsheets, databases, modeling, simulation, data analysis, software, electronic-communication applications; information retrieval from the internet and on-line library resources; social media, intranet and extranet systems to help students emerge with thematic materials in a way that deepens their understanding of associated topics.

IT-150 Information Technology for Business **Credits: 3**
Term Offered: All Terms
Course Type(s): TL
Introduction to computer-based information business management that provides an integrated approach to personal computer software in a Windows environment. This includes fundamental technology literacy; operating systems, word processing, spreadsheet, database, presentation graphics, and electronic communication applications; computer and network security; troubleshooting; information retrieval from the Internet and on-line library resources; intranet and extranet systems; and the ethical, societal, legal, and economic implications of computer technology. Hands-on experience with a microcomputer on a networked system is provided.

IT-200 Advanced Information Technology **Credits: 3**
Prerequisite(s): IT-100 or IT-102; or CS-104 or IT-150
Term Offered: All Terms
Course Type(s): None
Advanced concepts and techniques in computer-based information management are provided through an integrated approach to personal computer hardware and software in a Windows environment. These include: hardware and software considerations; societal and ethical considerations; the program development life cycle; creating tables; merging documents and desktop publishing in word processing; creating templates, workbooks with multiple worksheets, and creating a data map in electronic spreadsheets; creating custom reports and an application system using macros in database management; and using embedded visuals in presentation graphics applications. Hands-on experience with a microcomputer on a networked system is provided.

IT-250 Web Application Design **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Introduction to creating websites and applications for the Web that adapt to smart phones, tablets and desktop computers. Creation of web applications with content, images that can link to other apps. Creation of modern style layouts for various applications. Skills include: HTML, CSS, and embedding JavaScript code. Hands-on experience using the computer labs and web server.

IT-275 Data Analytics for Web Applications **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Define Data Analytics and the key steps in the Data Analytics process involving collecting, wrangling, mining, and visualizing data. Concepts include different types of data structures, file formats, sources of data, and Big Data. Collecting data from public websites. Making use of Generative AI. Students will learn about and take on various Roles: Data Engineer, Data Analyst, Data Scientist, Business Analyst, and Business Intelligence Analyst.

IT-298 Special Topics in Information Technology (200 Level) **Credits: 3**
Prerequisite(s): IT-100 and as announced in the course schedule
Course Type(s): None
Topics of current interest in Information Technology.

IT-299 Independent Study in Information Technology **Credits: 3**
Term Offered: Summer Term
Course Type(s): None
Reading and research on a selected topic under the direction of a faculty member.

IT-300 Web Programming **Credits: 3**
Prerequisite(s): IT-250 or permission of the department
Term Offered: All Terms
Course Type(s): None
Introducing dynamic web actions such as: app sign-up and processing data forms, creating blogs. creating animations, advertisements, popup windows, selling products online, email blasts etc. Students will also learn processing the meta data of a website/application (ie number of visits, clicks, duration per visit, returning customers etc.). Simple examples in Gaming, AI and Data Analytics can be used. Skills include: php, JavaScript, mySQL.

IT-398 Special Topics in Information Technology (300 Level) **Credits: 3**
Prerequisite(s): IT-100 and as announced in the course schedule
Course Type(s): None
Topics of current interest in Information Technology.

IT-399 Independent Study in Information Technology **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Reading and research on a selected topic under the direction of a faculty member. Prior permission of the directing professor and department chair is required to take this course.

IT-450 Information Systems Project Management **Credits: 3**
Prerequisite(s): IT-250 or permission of the department
Co-requisite(s): IT-300
Term Offered: All Terms
Course Type(s): EX5
Students will use their skills to create web applications for local businesses and vendors as their client. Students will create applications and promote them using: social media, creating QR (Quick Response) and using codes, search engine marketing strategies. Students will work on small teams and use tools and skills of a system analyst for project management. Project management software will be used to track progress for reporting to a client.

IT-498 Special Topics in Information Technology (400 Level) **Credits: 3**
Prerequisite(s): IT-100 and as announced in the course schedule
Course Type(s): None
Topics of current interest in Information Technology.

IT-499 Independent Study in Information Technology **Credits: 3**
Course Type(s): None
Reading and research on a selected topic under the direction of a faculty member.

Interdisciplinary Studies (IS)

IS-288 Cooperative Education Interdisciplinary Studies **Credits: 3**
Course Type(s): EX2
Application of skills from two or three interdisciplinary study areas in a career-related position under faculty supervision. Students will work at least ten hours per week at an approved site and carry out academic assignments in coordination with their faculty sponsors. Departmental approval is required to take this course.

IS-290 Professional and Organizational Ethics **Credits: 3**
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: Spring Term
Course Type(s): WT
Ethical theory and its applications to interdisciplinary social issues. Examination of moral principles, basic to professional practice, organizational behavior, and public policy making.

IS-388 Cooperative Education: Interdisciplinary Studies **Credits: 3**
Term Offered: Spring Term
Course Type(s): EX2
Application of skills from two or three interdisciplinary study areas in a career-related position under faculty supervision. Students will work at least ten hours per week at an approved site and carry out academic assignments in coordination with their faculty sponsors. Departmental approval is required to take this course.

IS-401 Senior Integrative Thesis Proposal **Credits: 2**
Prerequisite(s): Completion of ninety credits
Term Offered: Spring Term
Course Type(s): None
Independent research guided by a chief advisor and second reader. Research should access the methods and materials of the chosen disciplines, focus on a specific problem or topic, and relate to a stated career ambition. Conventional library research, lab experiment component, survey, creative project, etc., are all acceptable.

IS-402 Senior Integrative Thesis **Credits: 2**
Prerequisite(s): IS-401 passed with a grade of B or higher
Term Offered: Spring Term
Course Type(s): None
Thesis based on research completed in IS-401. A thoroughly developed research project, which must integrate chosen disciplines, focus on a specific problem, and relate to a career objective.

IS-410 Integrative Seminar for Elementary Education **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
This is a capstone seminar for students in the Interdisciplinary Studies for Elementary Educators major, to be taught jointly by a faculty member in one of the subject disciplines and a faculty member in the School of Education. Each semester a theme that can be approached from the perspectives of literature, social sciences, mathematics, and the physical or biological sciences will be chosen for the seminar. Class discussions will include how the material can be approached at different grade levels in elementary school. Sample semester topics include people and the environment, bullying, climate change, poverty, and urbanization. Senior standing in the ISEE major or approval of the instructor is required to take this course.

IS-488 Cooperative Education: Interdisciplinary Studies **Credits: 3**
Term Offered: Spring Term
Course Type(s): EX2
Application of skills from two or three interdisciplinary studies areas in a career-related position under faculty supervision. Students will work at least ten hours per week at an approved site and carry out academic assignments in coordination with their faculty sponsors. Departmental approval is required to take this course.

IS-499 Independent Study in Interdisciplinary Studies **Credits: 1-3**
Prerequisite(s): Completion of ninety credits, a 3.00 or higher GPA in major course work, and prior permission of the directing professor and chair
Term Offered: All Terms
Course Type(s): None
Guided research and in-depth study of a selected topic of an interdisciplinary nature under the direction of a faculty member through Interdisciplinary Studies. Conference(s) with sponsoring professor, extensive reading, and at least one written report are required.

Life Career Services (LC)

LC-300 Career Search **Credits: 1**
Term Offered: All Terms
Course Type(s): None
Course teaches students the basic skills used to successfully secure employment after graduation and familiarizes students with the hiring process used in most organizations. May not be used to satisfy major or distribution requirements.

LC-399 Independent Study in Career Search **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Reading and research on a selected topic under the direction of a faculty member. Prior permission of the directing professor and department chair is required to take this course.

Mathematics (MA)

MA-050 Pre-Algebra Mathematics **Credits: 3**
Term Offered: All Terms
Course Type(s): None
The language of mathematics, terms and symbols, the real number system, arithmetic operations on real numbers, including exponents and roots, emphasis on fractions and decimals, and evaluation of expressions. Special topics on divisibility, figurate numbers, and introduction to college algebra. Three hours per week, plus mandatory attendance with mathematics lab. This course cannot be used to satisfy graduation requirements.

MA-100 Quantitative Reasoning and Problem Solving **Credits: 3**
Prerequisite(s): MA-050 passed with a grade of C- or higher or MA-LVL2 passed with a grade of P
Term Offered: All Terms
Course Type(s): None
Basic mathematical concepts studied through solving problems in collaborative groups; examination of decision-making and problem-solving techniques and various formats for representing quantitative information.

MA-101 College Algebra **Credits: 3**
Prerequisite(s): MA-050 passed with a grade of C- or higher or MA-LVL2 or MA-LVL3 or MA-LVL4 passed with a grade of P
Term Offered: All Terms
Course Type(s): None
The axioms and properties of the real number system. Manipulating expressions representing quantities; functions and their representations as rules, graphs or tabulations; linear and polynomial functions; zero, factoring techniques, and graphical properties of polynomials; the logarithm and exponential; solving systems of equations; sequences and summations; and combinations and permutations. Calculators required for selected topics. This course cannot be used in satisfaction of the general education mathematics requirement.

MA-103 Foundations of Elementary Mathematics **Credits: 3**
Prerequisite(s): MA-050 passed with a grade of C- or higher or 3 credits in Math
Term Offered: Spring Term
Course Type(s): None
Careful examination of mathematical ideas behind the mathematics taught in grades K-8, and their history and applications to daily life. Intended primarily for future elementary-school teachers to provide them with a better understanding of the mathematics they will teach. This course will also be of value for any student who wants a better understanding of these ideas. Focus on understanding and exploring the mathematics behind computation through problem solving, projects, group explorations, use of manipulatives, and some use of technology. Topics include: number systems, measurement, probability, statistics, and geometry. Not open to freshmen.

MA-105 Mathematical Modeling in the Social Sciences **Credits: 3**
Prerequisite(s): MA-050 passed with a grade of C- or higher or MA-LVL2 or MA-LVL3 passed with a grade of P
Term Offered: All Terms
Course Type(s): None
Exploration and aspects of algebra, mathematical modeling, and data analysis, which are important in the social sciences. Topics include: an introduction to data, the use of variables, assorted kinds of graphs to represent data, the concept of function, the problem of fitting functions to data, representing change over time, rates of change, linear functions and linear models, piecewise-linear functions, and an introduction to non-linear functions. Pedagogical methods to be used include: projects using real data, computer explorations, and group work. MA-LVL4 may not take this course.

MA-107 Mathematics in the Arts **Credits: 3**
Prerequisite(s): MA-050 or MA-LVL2 or MA-LVL3 or MA-LVL4 passed with a grade of P
Term Offered: Spring Term
Course Type(s): None
Study of artistic design in architecture, painting, sculpture, and crafts; math of music.

MA-109 Pre-Calculus Mathematics **Credits: 4**
Prerequisite(s): MA-101 passed with a grade of C- or higher or MA-LVL3 or MA-LVL4 passed with a grade of P
Term Offered: All Terms
Course Type(s): None
The real number system, algebraic expressions, exponents, radicals, solution of equations, solutions of inequalities, functions, graphing of functions, and trigonometry. Not open to students who have successfully completed MA-125.

MA-115 Pre-Calculus Modeling for the Biological Sciences **Credits: 3**
Prerequisite(s): MA-101 passed with a grade of C- or higher or MA-LVL 3 or MA-LVL4 passed with a grade of P
Term Offered: All Terms
Course Type(s): None
Provides a development of an understanding of linear, exponential, logarithmic, polynomial and trigonometric functions related to biological phenomena. The development is from an algebraic, graphical and modelling perspective. In addition, the solutions of equations and inequalities related to these functions are studied. Use of related technology is included.

MA-116 Calculus for the Biological Sciences **Credits: 3**
Prerequisite(s): MA-115 or MA-109 passed with a grade of C- or higher or MA-LVL4 passed with a grade of P
Term Offered: All Terms
Course Type(s): None
Introduction to calculus, from a primarily graphical perspective, through applications to biological and ecological phenomena. Topics include: differentiation, integration, and differential equations.

MA-117 Quantitative Analysis for Business I **Credits: 3**
Prerequisite(s): MA-101 or MA-105 passed with a grade of C- or higher or MA-LVL3 or MA-LVL4 passed with a grade of P
Term Offered: All Terms
Course Type(s): None
Linear equations and models, systems of linear equations and applications, matrices and techniques for solving systems of equations, linear programming and applications, quadratic functions and models, and exponential and logarithmic models. A computer laboratory component is incorporated. Designed for students majoring in Business Administration; other students by permission of the Mathematics Department.

MA-118 Quantitative Analysis for Business II **Credits: 3**
Prerequisite(s): MA-117 passed with a grade of C- or higher, or permission of the department
Term Offered: All Terms
Course Type(s): None
Functions, limits, continuity, polynomial calculus, including optimization models, anti-derivatives, area and applications to business models; introduction to probability and statistics as applied to business models.

MA-120 Introduction to Mathematical Reasoning **Credits: 4**
Prerequisite(s): MA-101 passed with a grade of C- or higher or MA-LVL3 or MA-LVL4 passed with a grade of P
Term Offered: All Terms
Course Type(s): None
Introduction to reasoning, proof, and exposition in mathematics. Topics include: Boolean logic, set theory, counting techniques, functions, mathematical induction, permutations, and the proofs of various elementary theorems.

MA-125 Calculus with Analytic Geometry I **Credits: 4**
Prerequisite(s): MA-109 or MA-115 passed with a grade of C- or higher or MA-LVL4 passed with a grade of P
Term Offered: All Terms
Course Type(s): None
Functions, limits, continuity, and the differential and integral calculus of algebraic, trigonometric, and exponential functions.

MA-126 Calculus with Analytic Geometry II **Credits: 4**
Prerequisite(s): MA-125 passed with a grade of C- or higher
Term Offered: All Terms
Course Type(s): None
Functions, limits, continuity, and the differential and integral calculus of algebraic, trigonometric, exponential functions.

MA-130 Applied Discrete Mathematics **Credits: 3**
Prerequisite(s): MA-109 passed with a grade of C- or higher or MA-LVL4 passed with a grade of P
Term Offered: All Terms
Course Type(s): None
Introduction to reasoning, proof, and exposition in mathematics. Topics include: Boolean logic, set theory, counting techniques, functions, mathematical induction, permutations, and the proofs of various elementary theorems.

MA-151 Statistics with Applications **Credits: 3**
Prerequisite(s): MA-101 or MA-105 passed with a grade of C- or higher or MA-LVL3 or MA-LVL4 passed with a grade of P
Term Offered: All Terms
Course Type(s): None
Analysis of data, probability, random variables, normal distribution, sampling theory, confidence intervals, and statistical inference. Not open to computer science majors or to students required to complete MA-125, except software engineering majors.

MA-198 Special Topics in Mathematics (100 Level) **Credits: 1-3**
Term Offered: Spring Term
Course Type(s): None
An intensive study of a particular subject or problem in mathematics to be announced prior to registration. The course may be conducted on either a lecture-discussion or a seminar basis. If there is a prerequisite for this course it will be announced in the course schedule.

MA-199 Independent Study in Mathematics **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Independent study in a topic not substantially treated in a regular mathematics course; for students with superior ability; weekly consultation required. Prior permission of the directing professor and department chair is required to take this course.

MA-203 Foundations of Elementary Mathematics I **Credits: 3**
Prerequisite(s): MA-050 or MA-LVL2 or MA-LVL3 or MA-LVL4 passed with a grade of P
Term Offered: All Terms
Course Type(s): None
Careful examination of mathematical ideas behind the mathematics taught in grades K-6, their history, and applications to daily life. Intended primarily for future elementary-school teachers to provide them with a better understanding of the mathematics they will teach. This course, along with MA-204, Foundations of Elementary Mathematics II, will also be of value for any student who wants a better understanding of these ideas. Focus on understanding and exploring mathematics through problem solving, projects, group explorations, use of manipulatives, and some use of technology. MA-203 concentrates on problem solving, whole number arithmetic and theory, discrete math, integers, fractions, decimals, and algebraic concepts. MA-203 does not count toward the mathematics major or minor requirements. Students who take MA-203 are not eligible to take MA-205. Prerequisite: MA-050 or MA-LVL2 or MA-LVL3 or MA-LVL4 passed with a grade of P

MA-204 Foundations of Elementary Mathematics II **Credits: 3**
Prerequisite(s): MA-203 passed with a grade of C- or higher
Term Offered: All Terms
Course Type(s): None
Careful examination of mathematical ideas behind the mathematics taught in grades K-6, their history and applications to daily life. Intended primarily for future elementary-school teachers to provide them with a better understanding of the mathematics they will teach. This course, along with MA-203, Foundations of Elementary Mathematics I, will also be of value for any student who wants a better understanding of these ideas. Focus on understanding and exploring mathematics through problem solving, projects, group explorations, use of manipulatives, and some use of technology. Topics in MA-204 include: fractions, ratios and percent, data analysis, counting and probability, geometry of shape, measurement, and measurement geometry (perimeter, area, surface area, volume). MA-204 does not count toward the mathematics major or minor requirements. Students who have taken MA-204 are not eligible to take MA-207.

MA-205 Number Systems **Credits: 3**
Prerequisite(s): MA-050 or MA-LVL2 or MA-LVL3 or MA-LVL4 passed with a grade of P
Term Offered: Fall Term
Course Type(s): None
Careful examination of mathematical ideas behind the mathematics taught in grades K-6, and their history and applications in daily life. Intended primarily for future elementary school teachers to provide them with a better understanding of the underlying concepts of the mathematics they will teach. MA-205 concentrates on the various number systems of school mathematics: whole numbers, integers, fractions, decimals. It does this by examining, in other number bases, standard algorithms for addition, subtraction, multiplication and division, as well as alternative algorithms in base ten, including student-generated algorithms. The course will focus on developing educators' conceptual understanding and exploring the mathematics through problem solving, projects, group explorations, and use of manipulatives as practices for mathematics instruction. MA-205 does not count towards the mathematics major or minor requirements. Students who have taken MA-205 are not eligible to take MA-203.

MA-206 Algebraic Thinking, Probability and Statistics **Credits: 3**
Prerequisite(s): MA-205 passed with a grade of C- or higher
Term Offered: Spring Term
Course Type(s): None
Careful examination of mathematical ideas behind the mathematics taught in grades K-6, and their history and applications to daily life. Intended primarily for future elementary school teachers to provide them with a better understanding of the underlying concepts of the mathematics they will teach. MA-206 concentrates on the algebraic thinking, probability and statistics. It develops algebraic thinking by extending concepts from Number Systems (MA-205) via problem-solving, proportional relationships, pattern-recognition, generalization and identities. Probability introduces key concepts from discrete mathematics and applies proportional relationships. Statistics involves systematic organization of data. The course will focus on developing educators' conceptual understanding and exploring the mathematics through problem solving, projects, group explorations, and use of manipulatives as practices for mathematics instruction. MA-206 does not count towards the mathematics major or minor requirements.

MA-207 Elementary Geometry **Credits: 3**
Prerequisite(s): MA-205 passed with a grade of C- or higher
Term Offered: Fall Term
Course Type(s): None
Careful examination of mathematical ideas behind the mathematics taught in grades K-6, and their history and applications to daily life. Intended primarily for future elementary school teachers to provide them with a better understanding of the mathematics they will teach. This is an activity-centered course. Content will focus on geometric shapes, motions and change, length, area and volume and their measurement. There is an emphasis on understanding a variety of problem solving strategies, conjectures, reasoning, mathematical representations including manipulatives, and communicating. MA-207 does not count toward the mathematics major or minor requirements. Students who take MA-207 are not eligible to take MA-204.

MA-220 Probability and Statistics I **Credits: 3**
Prerequisite(s): MA-116 or MA-118 or MA-126 passed with a grade of C- or higher
Term Offered: All Terms
Course Type(s): None
To provide an axiomatic, calculus-based approach to probability and introductory statistics. The course is built around the process of performing a statistical analysis; posing the question, collecting the data, describing the data, analyzing and modeling the data, and drawing inferences from the data regarding the original question. Specific topics covered include sampling, descriptive analysis of data, probability, random variables, discrete and continuous distributions, expectation, confidence intervals, one sample hypothesis testing, chi-square analyses, correlation and regression.

MA-221 Linear Algebra **Credits: 3**
Prerequisite(s): MA-120 or MA-130; and MA-125 passed with a grade of C- or higher
Term Offered: All Terms
Course Type(s): None
Systems of equations, matrix algebra, linear transformations, Eigenvectors, linear programming, and computational methods.

MA-225 Calculus with Analytic Geometry III **Credits: 4**
Prerequisite(s): MA-126 passed with a grade of C- or higher
Course Type(s): None
Infinite series, partial differentiation, multiple integration, and associated solid analytic geometry.

MA-237 Programming and Technology in Mathematics **Credits: 4**
Prerequisite(s): MA-120 and MA-126 both passed with a grade of C- or higher
Co-requisite(s): MA-311 or MA-221 or MA-225
Term Offered: All Terms
Course Type(s): TL
Provides an introduction to the use of technology as it applies to mathematics. A major component of the course will be to build a solid foundation in the skills needed to apply mathematical concepts to programming. In addition, the use of technology in presentations, scholarly searches, and its role and limitations in computer and Internet security will be covered. Students will gain an appreciation of the important ethical and social issues involving the use of technology.

MA-298 Special Topics in Mathematics (200 Level) **Credits: 1-3**
Term Offered: Spring Term
Course Type(s): None
An intensive study of a particular subject or problem in mathematics to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

MA-299 Independent Study in Mathematics **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Independent study in a topic not substantially treated in a regular mathematics course; for students with superior ability; weekly consultation required. Prior permission of the directing professor and department chair is required to take this course.

MA-301 Careers in Mathematics Seminar **Credits: 1**
Prerequisite(s): MA-220 and MA-221
Term Offered: Fall Term
Course Type(s): None
An orientation to career opportunities and graduate level programs and degrees available to students with a background in mathematics and statistics.

MA-305 Mathematical Problem Solving **Credits: 3**
Prerequisite(s): MA-205, MA-206, and MA-207 all passed with a grade of C- or higher
Term Offered: Spring Term
Course Type(s): WT
The final mathematics course in the four- course sequence for future elementary school teachers. Designed to strengthen their mathematical content knowledge, problem solving skills, conceptual understanding and ability to communicate about mathematics, through the investigation of mathematically challenging problems. Problems will require creative thinking and utilization of past content knowledge in new situations. Students will work in groups and individually, and write up their solutions. This course does not count towards the mathematics major or minor requirement.

MA-311 Differential Equations **Credits: 3**
Prerequisite(s): MA-126 and MA-221 both passed with a grade of C- or higher
Term Offered: Fall Term
Course Type(s): None
Designed to provide students with the fundamentals of differential equations. The topics include elementary methods of solution, nth order linear equations, systems of linear equations, Laplace transform methods, numerical solutions, and initial and boundary value problems.

MA-312 Numerical Analysis **Credits: 3**
Prerequisite(s): MA-126 and MA-221 passed with a grade of C- or higher
Term Offered: All Terms
Course Type(s): None
The main objective of the course is to develop a basic understanding in the construction and analysis of processes used to solve mathematical problems with the aid of a computer. The focus will be on leveraging the mathematical framework to achieve efficient and accurate numerical algorithms. The course also includes exposure to basic programming techniques in the context of implementing several of the algorithms as well as exposure to various applications of mathematics.

MA-314 Number Theory **Credits: 3**
Prerequisite(s): MA-120 and MA-221 both passed with a grade of C- or higher and EN-101 and EN-102, or permission of the instructor
Term Offered: All Terms
Course Type(s): RD
Properties of integers, divisibility, prime numbers, congruence, and Diophantine equations.

MA-317 Geometry **Credits: 3**
Prerequisite(s): MA-120 and either MA-221 or MA-225 passed with a grade of C- or higher
Term Offered: All Terms
Course Type(s): None
Study of Euclid's axioms, fifth postulate and its substitutes, absolute geometry, projective geometry, constructions, and convexity.

MA-318 Combinatorics and Graph Theory **Credits: 3**
Prerequisite(s): MA-120 or MA-130 or CS-202 passed with a grade of C- or higher, and MA-221 passed with a grade of C- or higher
Term Offered: Spring Term
Course Type(s): None
Combinatorics is the study of countable discrete mathematical structures. Graph theory is the study of mathematical structures involving a collection of objects, known as the vertex set, along with a collection of pairs of vertices, known as the edge set. These two inseparable areas of mathematics are ripe with beautiful theory and endless applications. Students will learn the techniques required to answer questions in these fields, as well as appropriate applications.

MA-320 Probability and Statistics II **Credits: 3**
Prerequisite(s): MA-116 or MA-118 or MA-126 passed with a grade of C- or higher, MA-151 or BE-251 or MA-220 passed with a grade of C- or higher, EN-101 and EN-102
Term Offered: Spring Term
Course Type(s): WT
A continuation of MA-220, including sample distributions, exploratory data analysis, estimation methods, regression and correlation, as well as applications to quality control.

MA-321 Statistical Consulting **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Gives students a working knowledge of statistical consulting in the world outside of the classroom by working with real clients. Students will interview clients, translate client needs into statistical language, design statistical experiments, generate data collection plans, assist in data collection, analyze data, interpret their analyses, and present their finding to the client. Throughout the process students will interact with their clients regarding ongoing questions that occur. By the end of the course, students will be able to choose and apply appropriate statistical design and analysis methodologies. They will also be able to interpret, evaluate, and present their conclusions in oral and written form. Topics covered will depend upon client needs and may include designing experiments with power and sample size considerations, multiple and logistic regression, survival analyses, t- and chi-square tests, ANOVA/MANOVA/ANCOVA, and principal component analysis. This course may be repeated once for additional credit to either continue work on a long-term project, or to take part in a new statistical consulting project.

MA-325 History of Mathematics **Credits: 3**
Prerequisite(s): MA-314 or MA-317 or MA-318 passed with a grade of C- or higher, and EN-101 and EN-102
Term Offered: Spring Term
Course Type(s): GU, WT
Surveys historical milestones in the development of mathematics from ancient times to the Nineteenth century, with modern topics as time permits.

MA-327 Design and Analysis of Biological Experiments **Credits: 3**
Prerequisite(s): MA-151 or MA-220 or BE-251 passed with a grade of C or higher or permission of the instructors.
Term Offered: Spring Term
Course Type(s): MEBP
The purpose of this course is to learn about the statistical design & analysis of biological experiments. After learning mathematical techniques of designing experiments, and statistical analyses customized to them, students will be presented with a broad research question by the instructors. Literature surveys will be a critical part of the course to allow students to find pertinent, relevant, potentially publishable biological questions that address a specific aspect of the larger question posed by the instructors. Students will design their own experiment addressing their question, generate their own data collection plan, collect their data, and then analyze their data using statistical techniques taught in class. This course will involve field/lab work for data collection and computer work in the statistical analysis of the final data. Students will defend their question, design and analysis from both a statistical and biological perspective. At the end of the semester students will complete a formal manuscript in journal format. This course can be used to fulfill the Mathematics or Statistics minor and the Bio/MEBP elective. This course is a research based course and students must have demonstrated a strong interest in and potential for research. Also listed as BY-327.

MA-334 Problem Solving Seminar **Credits: 3**
Prerequisite(s): MA-120 or MA-130; and MA-126 all passed with a minimum grade of C- or higher, and permission of the instructor
Course Type(s): None
Problem solving techniques and the ability to use them in applications lie at the core of learning and applying mathematics. The course covers important strategies for solving mathematical problems, most of which are only tangentially studied in the usual mathematics curriculum. The strategies are an assortment of both overarching themes and particular techniques of more limited applicability. Each strategy is covered in a theoretical context followed by implementation to specific problems. Polya's classic framework for the problem solving processes will be referenced and used throughout the course. This course is repeatable for credit.

MA-350 Computation and Statistics **Credits: 3**
Prerequisite(s): MA-116 or MA-118 or MA-126 passed with a grade of C- or higher, and either MA-151 or BE-251 or MA-220 passed with a grade of C- or higher
Term Offered: All Terms
Course Type(s): None
Covers topics related to computational statistics, including obtaining large, realistic, real-time datasets, calculation and visualization of basic statistical features, regression, empirical distributions, and time-series features. Also covered will be principal components analysis (PCA), analysis of variance (ANOVA), correlation, prediction, and stochastic volatility estimation (GARCH). Portfolio theory will also be covered.

MA-380 Research in Mathematics **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
Mathematical or statistical research work carried out under the mentorship of a faculty research advisor. Research conducted by the students will be submitted for presentation, publication or review. The number of credits will be determined by arrangement with the advisor. Three hours/week per credit. This class is repeatable up to six credits total.

MA-388 Cooperative Education: Mathematics **Credits: 3**
Prerequisite(s): MA-311 and MA-220, both passed with a grade of C- or higher if a Mathematics major; or MA-120 and MA-126, both passed with a grade of C- or higher if other major, a cumulative G.P.A. of 2.00 and Junior or Senior standing
Term Offered: Spring Term
Course Type(s): EX2
Affords the student an opportunity to apply mathematical theory to practical work-related experience. Includes both academic and experiential components. Involves ten hours per week of work experience. The academic aspect includes a reflective journal and a written report; repeatable for credit.

MA-389 Internship in Mathematics **Credits: 1-3**
Course Type(s): EX1
Supervised practical experience in math; repeatable for credit. Student must have at least Junior status. Departmental approval is required to take this course.

MA-398 Special Topics in Mathematics (300 Level) **Credits: 1-3**
Term Offered: Spring Term
Course Type(s): None
An intensive study of a particular subject or problem in mathematics to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

MA-399 Independent Study in Mathematics **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Independent study in a topic not substantially treated in a regular mathematics course; for students with superior ability; weekly consultation required. If a prerequisite is required it will be announced in the course schedule.

MA-407 Topology **Credits: 3**
Prerequisite(s): MA-221 and MA-225, both passed with a grade of C- or higher
Term Offered: Spring Term
Course Type(s): None
Topology is the study of the structure of space and is one of the major theoretical areas in modern mathematics. The course serves as both a rigorous foundation for advanced study in the field and as a survey of important techniques established since its inception. After building the necessary framework of point-set topology, the course will move on to selected topics such as the classification of surfaces, knot theory, and algebraic topology.

MA-410 Modern Algebra **Credits: 3**
Prerequisite(s): MA-221, and either MA-314 or MA-317 or MA-318 or MA-407 passed with a grade of C- or higher
Term Offered: Spring Term
Course Type(s): None
Beginning with the natural numbers, the integers and rational numbers are developed. Complex numbers and roots of unity are followed by groups, rings, and polynomials.

MA-411 Group Theory **Credits: 3**
Prerequisite(s): MA-221, and MA-314 or MA-317 or MA-318 or MA-407, both passed with a grade of C- or higher
Course Type(s): None
Group Theory is the study of symmetry, and is one of the core branches of abstract algebra. The course will explore the theory and applications of groups. In addition to covering many examples of groups, course topics will include subgroups, group homomorphisms and isomorphisms, permutations, quotient groups, Sylow Theorems, and the structure of finitely generated abelian groups.

MA-413 Complex Analysis **Credits: 3**
Prerequisite(s): MA-225 and either MA-314 or MA-317 or MA-318 or MA-407 passed with a grade of C- or higher
Term Offered: Spring Term
Course Type(s): None
Complex numbers and plane, functions, derivatives, line integrals, and Cauchy integral theorem. Cauchy's formula, series, applications.

MA-415 Real Analysis **Credits: 3**
Prerequisite(s): MA-225 and either MA-314 or MA-317 or MA-318 or MA-407 passed with a grade of C- or higher and EN-101 and EN-102, or permission of the instructor
Term Offered: All Terms
Course Type(s): WT
Metric spaces, real number system, limits, functions, continuity, differentiation and integration, and counter-examples.

MA-419 Introduction to Mathematical Modeling **Credits: 3**
Prerequisite(s): MA-220, MA-311, MA-221 all passed with a grade of C- or higher; Junior standing, and EN-101 and EN-102, or permission of the instructor
Term Offered: Spring Term
Course Type(s): EX5, WT
Introduction to mathematical modeling, which is a process in which a real-world situation is studied, simplified, and abstracted to the point that mathematical tools can be applied to gain understanding. Introduction to the process, first via a text and mini-projects, then in teams investigating problems from local industries or organizations.

MA-421 Design of Experiments and ANOVA **Credits: 3**
Prerequisite(s): MA-116 or MA-118 or MA-126 passed with a grade of C- or higher and either MA-151 or BE-251 or MA-220 passed with a grade of C- or higher
Term Offered: Fall Term
Course Type(s): None
Provides a working knowledge of multivariate regression and ANOVA methods balanced with the theory underlying these techniques. Intended for students considering a career in statistics, including but not limited to biostatistics, financial mathematics and theoretical statistics. Topics include: an introduction to experimental design, power and effect size calculations, data screening and transformation to meet assumptions of the analyses, multivariate regression, multinomial logistic regression, multivariate survival analysis, ANOVA/ANCOVA/MANOVA/MANCOVA, and time permitting, an introduction to time series analysis. Extensive use is made of real- world case data from business/finance, health/biology, and education/psychology.

MA-440 Regression and Time Series Analysis **Credits: 3**
Prerequisite(s): MA-116 or MA-118 or MA-126 passed with a grade of C- or higher and either MA-151 or MA-220 or BE-251 passed with a grade of C- or higher
Term Offered: All Terms
Course Type(s): None
Covers topics related to multiple regression techniques, including testing the assumptions required for each to be valid. This includes applications to yield curve smoothing, pricing, and investment models, and the use of principal component analysis. Also covered are techniques for the analysis and modeling of time series data and forecasting.

MA-460 Multivariate and Categorical Statistics **Credits: 3**
Prerequisite(s): MA-116 or MA-118 or MA-126 passed with a grade of C- or higher and MA-151 or MA-220 or BE-251 passed with a grade of C- or higher
Term Offered: Spring Term
Course Type(s): None
This advanced statistics course provides students with skills in advanced multivariate analysis and its applications. Students will learn the material through projects using data from business, finance, and biology. Topics include MANOVA, discriminant analysis, cluster analysis, multidimensional scaling, and factor analysis. Topics may also include conjoint analysis, canonical correlation and structural equation modeling.

MA-488 Cooperative Education: Mathematics **Credits: 3**
Prerequisite(s): MA-220 and MA-311 passed with a grade of C- or higher if a Math major
Term Offered: Spring Term
Course Type(s): EX2
Affords the student an opportunity to apply mathematical theory to practical work-related experience. Includes both academic and experiential components. Involves ten hours per week of work experience. The academic aspect includes a reflective journal and a written report; repeatable for credit. Departmental approval is required to take this course. MA-311 and MA-320, both passed with a grade of C- or higher are required, if a mathematics major; or MA-120 and MA-126, passed with a grade of C- or higher, if another major; a cumulative GPA of 2.00 and Junior or Senior standing.

MA-489 Internship in Mathematics **Credits: 1-3**
Course Type(s): EX1
Supervised practical experience in math; repeatable for credit. Departmental approval and Junior standing are required to take this course.

MA-498 Special Topics in Mathematics (400 Level) **Credits: 1-3**
Prerequisite(s): MA-126 and MA-221 both passed with a grade of C- or higher and Junior standing
Term Offered: Spring Term
Course Type(s): None
An intensive study of a particular subject or problem in mathematics to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

MA-499 Independent Study in Mathematics **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Independent study in a topic not substantially treated in a regular mathematics course; for students with superior ability; weekly consultation required. Prior permission of the directing professor and department chair is required to take this course.

Medical Laboratory Science (ML)

ML-411 Clinical Internship in Medical Laboratory Science I **Credits: 16**
Term Offered: All Terms
Course Type(s): EX1, WT
First half of an intensive one-year clinical internship and training at an approved, partner medical institution in the requisite skills for a career in medical laboratory science. Practical experience in tests and procedures of hematology, histology, blood bank, clinical microscopy, clinical chemistry, bacteriology, parasitology, mycology, immunology, serology, radioisotopes, and related subjects. Limited to Medical Laboratory Science majors who have completed all other degree requirements.

ML-412 Clinical Internship in Medical Laboratory Science II **Credits: 16**
Prerequisite(s): ML-411
Term Offered: Spring Term
Course Type(s): EX1
Second half of an intensive one-year clinical internship and training at an approved, partner medical institution in the requisite skills for a career in medical laboratory science. Practical experience in tests and procedures of hematology, histology, blood bank, clinical microscopy, clinical chemistry, bacteriology, parasitology, mycology, immunology, serology, radioisotopes, and related subjects. Limited to Medical Laboratory Science majors who have completed all other requirements.

Monmouth Medical (MM)

MM-490 Experience in Clinical Medicine **Credits: 9**
Term Offered: All Terms
Course Type(s): EX5
Intensive, practical, first-hand experience in clinical medicine at Monmouth Medical Center. A comprehensive introduction to the skills required to practice medicine: excellent communication, critical reading of the literature, epidemiologic methods (disease patterns in populations), and understanding medicine as a human experience. The practicum consists of clinical observations, seminars, community service, discussion groups, and a research paper. This course is under the auspices of the Biology Department. Limited to Monmouth Medical Center Scholars with Junior standing. This is a pass/fail course.

Music (MU)

MU-REC Senior Recital - Music Major **Credits: None**
Term Offered: All Terms
Course Type(s): None
Senior Recital - Music Major. This is a pass/fail course.

MU-101 Music Appreciation **Credits: 3**
Term Offered: All Terms
Course Type(s): AT
Development of insights into historically significant examples of Western vocal and instrumental music.

MU-121 Fundamentals of Musicianship **Credits: 3**
Term Offered: All Terms
Course Type(s): AT
MU-121 is a prerequisite for MU-221. Students have the option to test-out of MU-121 if they pass the Music Theory I, MU-221, placement assessment. MU-121 is a course requirement for Music Majors who do not pass the Music Theory I, MU-221, placement assessment. This is a pre-music theory course designed to introduce and develop students' fundamental understanding of musical concepts, terminology, and music reading abilities. Topics of discussion include clefs, key signature, time signatures, notation, rhythm, scales, intervals, chords, and the circle of fifths. Three hours per week. Requirement for Music Majors who do not pass the Music Theory I, MU-221, placement assessment. This course cannot be used to satisfy graduation requirements.

MU-140 The Music Industry Landscape **Credits: 1**
Term Offered: All Terms
Course Type(s): AT
Students will be introduced to the modern music business ecosystem, find out how all facets of the evolving business function, and learn about the skills needed for a variety of diverse careers in the industry.

MU-142 Monmouth University Pep Band **Credits: 1**
Course Type(s): AT
The Monmouth University Pep Band is a campus-wide ensemble that is open to all students, and performs a wide array of music in varied styles. Attendance is required for all scheduled athletic events throughout the semester. Students may take this course up to eight semesters.

MU-145 Band I **Credits: 1**
Course Type(s): AT
Instrumental experience in concert and stage band combinations to improve one's musicianship; public performances on campus and in the community; two concerts a year. May be taken for as many as eight semesters.

MU-146 Band II **Credits: 1**
Term Offered: Spring Term
Course Type(s): AT
Instrumental experience in concert and stage band combinations to improve one's musicianship; public performances on campus and in the community; two concerts a year. May be taken for as many as eight semesters.

MU-147 Chorus I **Credits: 1**
Term Offered: All Terms
Course Type(s): AT
Training in choral music of various styles, in vocal technique, and in aspects of expressive performance; concert participation required. Each semester, new repertoire is advanced, making each course unique in its new content. May be taken for as many as eight semesters.

MU-148 Chorus II **Credits: 1**
Term Offered: Spring Term
Course Type(s): AT
Training in choral music of various styles, in vocal technique, and in aspects of expressive performance; concert participation required. Each semester, new repertoire is advanced, making each course unique in its new content. May be taken for as many as eight semesters.

MU-150 Introduction to Piano **Credits: 3**
Term Offered: All Terms
Course Type(s): AT
Group instruction in piano with an emphasis on developing beginning skills in keyboard technique, music reading, harmonization, and performance of repertoire. Designed for students with little or no previous musical experience.

MU-151 Group Piano I **Credits: 3**
Term Offered: All Terms
Course Type(s): AT
Group instruction in piano with an emphasis on music reading, music theory, piano technique, harmonization, improvisation, and performance of repertoire. Designed for music majors and students with some previous musical experience.

MU-152 Group Piano II **Credits: 3**
Prerequisite(s): MU-151
Term Offered: Spring Term
Course Type(s): AT
Group instruction in piano with an emphasis on more advanced music reading, music theory, piano technique, harmonization, improvisation, and performance of repertoire. Designed for students who would like to continue to develop the skills acquired in MU-151.

MU-154 Blue Hawk House Band **Credits: 1**
Term Offered: All Terms
Course Type(s): AT, HY
The Blue Hawk House Band is a pop music recording ensemble reinterpreting classic songs from seminal albums. House Band members select songs, analyze, arrange, create and record their individual parts culminating in live performances and in web-streamed music videos.

MU-156 Chamber Orchestra **Credits: 1**
Term Offered: All Terms
Course Type(s): AT
The Monmouth University Chamber Orchestra is a small orchestral ensemble of strings with woodwinds, brass, and percussion that is designed to meet the needs of the Music and Theatre Department and public performances on campus and in the community. Each semester, new repertoire is advanced, making each course unique in its new content. May be taken for as many as eight semesters.

MU-157 Chamber Choir I **Credits: 1**
Term Offered: Fall Term
Course Type(s): None
The Monmouth University Chamber Chorus is an ensemble of sixteen to twenty-four auditioned singers who wish to extend their knowledge and skills in choral arts in a challenging musical setting. The repertoire for this ensemble requires a moderate/high degree of individual musicianship and mastery of specific singing techniques and period music interpretation. The group functions as a concert-ready and portable ensemble that responds to requests for particular types of venues, such as: sporting events, concert tours as a vehicle for a wider public performance experience with regard to public relations, meaningful connections with other academic institutions, and university recruitment. Each semester, new repertoire is advanced, making each course unique in its new content. Audition is required and registration is by the instructor. This course is repeatable for credit.

MU-158 Chamber Choir II **Credits: 1**
Prerequisite(s): MU-157
Term Offered: Spring Term
Course Type(s): None
A continuation of MU-157, the Monmouth University Chamber Chorus is an ensemble of sixteen to twenty-four auditioned singers who wish to extend their knowledge and skills in choral arts in a challenging musical setting. The repertoire for this ensemble requires a moderate/high degree of individual musicianship and a mastery of specific singing techniques and period music interpretation. The group functions as a concert-ready and portable ensemble that responds to requests for particular types of venues, such as: sporting events, lecture/presentations, dedications, special events, and graduation ceremonies. Additionally, the group will undertake periodic concert tours as a vehicle for a wider, public performance experience and with regard to public relations, meaningful connections with other academic institutions, and university recruitment. Each semester, new repertoire is advanced, making each course unique in its new content. Audition is required and registration is by instructor. This course is repeatable for credit.

MU-161 Group Instrument I **Credits: 2**
Course Type(s): None
Designed to develop instrumental technique and repertoire; open to students who have some proficiency in strings, woodwinds, brass, or percussion.

MU-162 Group Instrument II **Credits: 2**
Term Offered: Spring Term
Course Type(s): None
Designed to develop instrumental technique and repertoire; open to students who have some proficiency in strings, woodwinds, brass, or percussion.

MU-163 Group Strings **Credits: 1**
Term Offered: All Terms
Course Type(s): AT
Designed especially for music education students who are required to have some proficiency in group strings to meet state certification guidelines. Open to beginners only. Non-music majors may enroll by permission of the Department of Music and Theatre Arts.

MU-164 Group Woodwinds **Credits: 1**
Term Offered: Spring Term
Course Type(s): AT
Designed especially for music education students who are required to have some proficiency in group woodwinds to meet state certification guidelines. Open to beginners only. Non-music majors may enroll by permission of the Department of Music and Theatre Arts.

MU-165 Group Brass **Credits: 1**
Term Offered: All Terms
Course Type(s): AT
Designed especially for music education students who are required to have some proficiency in group brass to meet state certification guidelines. Open to beginners only. Non-music majors may enroll by permission of the Department of Music and Theatre Arts.

MU-166 Group Percussion **Credits: 1**
Term Offered: Spring Term
Course Type(s): AT
Designed especially for music education students who are required to have some proficiency in group percussion to meet state certification guidelines. Open to beginners only. Non-music majors may enroll by permission of the Department of Music and Theatre Arts.

MU-167 Introduction to Electronic Music **Credits: 3**
Course Type(s): None
Fundamentals of electronic music acquired through lectures, recordings, and hands-on use of electronic synthesizers.

MU-170 Electronic Music Composition **Credits: 3**
Course Type(s): None
A course designed for musicians who wish to compose and record music in a soundtrack, avant- garde, or classical genre. Students will be required to use university recording facilities.

MU-171 Group Voice I **Credits: 3**
Term Offered: All Terms
Course Type(s): AT
Fundamentals of technique and performance of song literature; voice production and principles of singing, including breath control, resonance, tone quality, diction, and pronunciation. Each semester, new repertoire is advanced, making each course unique in its new content.

MU-172 Group Voice II **Credits: 3**
Term Offered: Spring Term
Course Type(s): AT
Fundamentals of technique and performance of song literature; voice production and principles of singing, including breath control, resonance, tone quality, diction, and pronunciation. Each semester, new repertoire is advanced, making each course unique in its new content.

MU-180 Applied Music: Jazz Piano **Credits: 1**
Term Offered: Spring Term
Course Type(s): None
Weekly, fifty-minute private lessons in jazz piano; may be repeated for additional credits.

MU-181 Applied Music: Bass **Credits: 1**
Term Offered: All Terms
Course Type(s): AT
Weekly, fifty-minute private lessons in bass; may be repeated for additional credits.

MU-188 Fundamentals of Guitar **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
General music skills as applied to guitar playing; students develop left- and right-hand technique; introduction to basic repertoire and history of repertoire.

MU-190 Applied Music: Percussion **Credits: 1**
Term Offered: All Terms
Course Type(s): AT
Weekly, fifty-minute private lessons in percussion; may be repeated for additional credit

MU-191 Applied Music: Voice **Credits: 1**
Term Offered: All Terms
Course Type(s): AT
Weekly, fifty-minute private lessons in voice; may be repeated for additional credit.

MU-192 Applied Music: Piano **Credits: 1**
Term Offered: All Terms
Course Type(s): AT
Weekly, fifty-minute private lessons in piano; may be repeated for additional credit.

MU-193 Applied Music: Upper Brass **Credits: 1**
Term Offered: Spring Term
Course Type(s): None
Weekly, fifty-minute private lessons in upper brass; may be repeated for additional credit.

MU-194 Applied Music: Lower Brass **Credits: 1**
Term Offered: All Terms
Course Type(s): AT
Weekly, fifty-minute private lessons in lower brass; may be repeated for additional credit.

MU-195 Applied Music: Woodwinds **Credits: 1**
Term Offered: All Terms
Course Type(s): AT
Weekly, fifty-minute private lessons in woodwinds; may be repeated for additional credit.

MU-196 Applied Music: Guitar **Credits: 1**
Term Offered: All Terms
Course Type(s): AT
Weekly, fifty-minute private lessons in guitar; may be repeated for additional credit.

MU-197 Applied Music: Strings **Credits: 1**
Term Offered: All Terms
Course Type(s): AT
Weekly, fifty-minute private lessons in strings; may be repeated for additional credit.

MU-198 Special Topics in Music (100 Level) **Credits: 1-3**
Term Offered: Spring Term
Course Type(s): None
An intensive study of a particular subject or problem in music to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

MU-199 Applied Music: Private Instruction **Credits: 1**
Term Offered: All Terms
Course Type(s): None
Private instrumental and vocal instruction. The instructor is selected by the student with the approval of the Music faculty. Students must consult the Music Department.

MU-216 From Blues to Rap: The African-American Music Tradition **Credits: 3**
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): WT
Contributions of African-Americans to American music: slave songs, spirituals, blues, rhythm and blues, soul, and rap music.

MU-217 The American Music Tradition **Credits: 3**
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): WT
A survey of American music from the colonial period to the present, including folk and ethnic music, military and parade music, war songs, Tin Pan Alley pop, Broadway show tunes, and composers, such as Stephen Foster, Woody Guthrie, and Irving Berlin.

MU-218 History and Literature of Music I **Credits: 3**
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: Fall Term
Course Type(s): WT
Survey of musical idioms and forms from Ancient Greek to the Baroque periods. Primary focus on Western music in Western culture; some time will be spent exploring the music of Asia, Africa, and South America; exploration of the great musical literature that has survived from antiquity through 1700 AD.

MU-219 History and Literature of Music II **Credits: 3**
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: Spring Term
Course Type(s): WT
Survey of musical forms and idioms from the Classical period until the present. Primary focus is to expose the student to the vast body of musical masterworks created in the modern era, as well as exploration of "world music."

MU-221 Theory I **Credits: 3**
Prerequisite(s): MU-151 or departmental approval
Term Offered: All Terms
Course Type(s): None
Basic knowledge of the procedures of harmony and melody.

MU-221L Ear Training I **Credits: 1**
Term Offered: Fall Term
Course Type(s): None
The development of sight singing, dictation, and rhythmic skills is the objective of this course. Alto and tenor clefs are introduced during the first level.

MU-222 Theory II **Credits: 3**
Prerequisite(s): MU-221 or departmental approval
Term Offered: Spring Term
Course Type(s): None
The rudiments of music writing, from the harmonization of simple melodies to the writing of more complex music. Emphasis on more advanced compositions.

MU-222L Ear Training II **Credits: 1**
Prerequisite(s): MU-221L
Term Offered: Spring Term
Course Type(s): None
The development of sight singing, dictation, and rhythmic skills is the objective of this course. Topics, skills, and abilities introduced in Ear Training I are further developed.

MU-223 Musical Cultures of the World **Credits: 3**
Course Type(s): AT, GU
Provides an introductory survey of music in selected traditions and cultures in global perspective. It explores music both as a phenomenon of sound and a phenomenon of culture. It aims to familiarize students with music sound and music structure of different peoples, to help them appreciate music in its cultural context, to guide them in listening to music on a basic analytical level, and to give them a broad global view of music as a human activity/behavior with social functions and as artistic expression. Special attention is placed on how political, economic, social, and religious factors influence musical aesthetics and notions of identity among performers and audiences-all concerns of Ethnomusicology.

MU-224 Global Popular Music **Credits: 3**
Term Offered: Spring Term
Course Type(s): AT, GU
In the age of globalization and the Internet, popular music (music produced for commercial purposes and transmitted through mass media to a large audience) is an increasingly global phenomenon and can provide a unique perspective into the social, political, and economic conditions of various cultures around the world. This course introduces students to some of the popular musics from around the world through the perspective of ethnomusicology, the study of music and culture and the ways that they intersect and influence one another. Emphasis is placed on analyzing musical innovations, trends, and movements in relation to location, culture, counter-culture, and the social/geo-political climate. In doing so, this course draws upon geographical case studies of popular music (for example, Algerian Rai, K-Pop, Bollywood, Indonesian dangdut, or the Afrobeat of Fela Kuti) to view how historical, social, and political factors have influenced their development. These issues will be explored through directed reading and listening assignments, response papers, a mix tape project, and focused class presentations and discussions.

MU-227 Introducing the Beatles! **Credits: 3**
Term Offered: Fall Term
Course Type(s): AT, HY
This course addresses the Beatles' musical career in terms of their wide-ranging cultural and artistic influence. Particular attention will be devoted to examining their songs within the context of their composition and in terms of their place (and placement) on the band's albums. In addition to investigating their biographical lives, we will discuss the Beatles' overtly literary and textual intentions, especially their various attempts at irony, parody, and satire. This course's chronological design is arranged in order to capture the band's artistic trajectory from two-track recording and the relatively primitive Please Please Me album through the sonic heights of Revolver, Sgt. Pepper's Lonely Hearts Club Band, The White Album, and Abbey Road. The thrust of this course is interpretive in nature, with the Beatles' songs and albums receiving considerable scrutiny in terms of their composition, production, and attendant musicianship. Developments in recording and instrument technology are germane to our understanding of the Beatles' evolving aesthetic, as is the bandmates' development as songwriters who eventually eschew issues associated with romance in order to address larger and more prescient subjects in their music such as loneliness, oppression, nostalgia, ethics, and redemption.

MU-240 Record Label Strategies **Credits: 1**
Prerequisite(s): MU-140 and MU-301.
Term Offered: All Terms
Course Type(s): None
Students will be introduced to a variety of skills needed in the music industry. Each student will be required to complete specific, hands-on projects in preparation for a major internship off campus.

MU-241 Advanced Record Label Strategies **Credits: 1**
Prerequisite(s): MU-140, MU-240, and MU-301
Term Offered: All Terms
Course Type(s): None
Students will be introduced to a variety of skills needed in the music industry. Each student will be required to complete a specific hands-on project as preparation for a major internship off campus. Limited to Music majors.

MU-254 Arts Administration and Concert Promotion **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
Explore in-depth arts administration and management for a major Performing Arts Center, including concert promotion, operations and fundraising.

MU-290 Rock and Roll in American Culture **Credits: 3**
Term Offered: All Terms
Course Type(s): WT
Impact of rock and roll on American culture and music history; rock genres, including rockabilly, protest rock, blues-rock, punk, heavy metal, and rock and roll as a global phenomenon.

MU-291 Jazz in America **Credits: 3**
Term Offered: Spring Term
Course Type(s): RE, WT
Musical and cultural overview of the jazz tradition in America, with special emphasis on Dixieland, swing, bop, and jazz fusion, and artists such as Louis Armstrong, Count Basie, Duke Ellington, Charlie Parker, and John Coltrane.

MU-292 Roots, Rock, Reggae **Credits: 3**
Term Offered: Spring Term
Course Type(s): RE
A survey of Jamaican reggae music from its inception to the present. The music form's political, religious, and cultural connections will also be examined, as will the major works of reggae composers, such as Bob Marley, Jimmy Cliff, and Peter Tosh.

MU-298 Special Topics in Music (200 Level) **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
An intensive study of a particular subject or problem in music to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

MU-299 Independent Study in Music **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Reading and research on a selected topic under the direction of a faculty member.

MU-301 The Business of Music **Credits: 3**
Term Offered: All Terms
Course Type(s): None
An introduction to the inner workings and business strategies of the music industry. In addition to an analysis of the recording arm of the industry, other areas such as concert production, management, media relations, and talent acquisition will also be examined.

MU-321 Music Theory III **Credits: 3**
Prerequisite(s): MU-221 and MU-222
Term Offered: Fall Term
Course Type(s): None
Music Theory III is the third semester of a sequential, two-year music theory curriculum. After a brief review of the material covered in Music Theory I (MU-221) and Advanced Theory and Harmony (MU-222), an introduction to the music materials and stylistic practices associated with nineteenth-century music is provided. Procedure will entail examining and working with melodic, rhythmic, harmonic, and structural elements found in the music being studied.

MU-322 Music Theory IV **Credits: 3**
Prerequisite(s): MU-221, MU-222, and MU-321
Term Offered: Spring Term
Course Type(s): None
Music Theory IV is the fourth semester of a sequential, two-year music theory curriculum. After a brief review of the material covered in Music Theory 1 (MU-221), Advanced Theory and Harmony (MU-222), and Music Theory III (MU-321), an introduction to the music materials, stylistic practices and the unique forms and approaches associated with twentieth-century music is provided. Procedure will entail examining and working with the melodic, rhythmic, harmonic, and structural elements found in the music being studied.

MU-326 Life and Work of Bruce Springsteen **Credits: 3**
Term Offered: Spring Term
Course Type(s): AT, HY
The course explores Bruce Springsteen's musical career in terms of his wide-ranging cultural and artistic influence. Particular attention will be devoted to examining his songs within the context of their composition and in terms of their place (and placement) on his albums. In addition to investigating his biographical life, we will discuss his overtly literary and political intentions as they evolve across the decades. This course's chronological design is arranged in order to capture Springsteen's artistic trajectory from his Greetings from Asbury Park, NJ and The Wild, The Innocent, and the E Street Shuffle albums through the creative heights of Born to Run, Darkness on the Edge of Town, The River, and Nebraska. The thrust of this course will be interpretive in nature, with Springsteen's songs and albums receiving considerable scrutiny in terms of their composition, production, and attendant musicianship. Particular attention will also be devoted to Springsteen's interactions with the music business, especially involving his management and the development of his career.

MU-327 Instrumental Arranging and Basic Orchestration **Credits: 3**
Prerequisite(s): MU-222
Term Offered: All Terms
Course Type(s): None
Practical problems of orchestration, including transposition, characteristics and limitation of various band, orchestral, keyboard, and electronic instruments; arranging for instrumental ensembles of various sizes.

MU-328 Conducting **Credits: 3**
Prerequisite(s): MU-218 and MU-151,and MU-145 and MU-146 or MU-147 and MU-148
Term Offered: All Terms
Course Type(s): None
Basic choral and instrumental conducting techniques with emphasis on the physical problems of coordination and control, as well as interpretation, rehearsal, performance, and program planning. Each student will function as an assistant to the choral/instrumental conductors.

MU-329 Conducting II **Credits: 3**
Prerequisite(s): MU-328
Term Offered: Spring Term
Course Type(s): None
A continuation of MU-328. Basic choral and instrumental conducting techniques with emphasis on the physical problems of coordination and control, as well as interpretation, rehearsal, performance, and program planning. Each student will function as an assistant to the choral/instrumental conductors.

MU-329W Workshop in the Techniques of Composing Music **Credits: 2**
Prerequisite(s): MU-222
Term Offered: Spring Term
Course Type(s): None
Explores problems in melody, rhythm, and harmony, including texture and the elements of musical form, presented in line with the needs of individual students as revealed in their original composition.

MU-331 Music for the Child **Credits: 2**
Prerequisite(s): MU-151 and MU-218
Term Offered: All Terms
Course Type(s): None
Focus on methods and materials of teaching in the elementary school (K-8): singing, rhythmic expression, listening, use of simple instruments, and correlating music with other areas of learning. It will include pedagogical strategies related to teaching linguistically diverse students, students with diverse needs, using instructional technology and using data to inform instruction. For Music majors only. Also listed as ED-331. Clinical Hours required.

MU-333 The Teaching of Music in the Secondary School **Credits: 2**
Prerequisite(s): MU-151 and MU-218
Term Offered: Spring Term
Course Type(s): None
Study and application of appropriate concepts, methods, skills, and materials for secondary-school music teachers. It will include pedagogical strategies for teaching linguistically diverse students, those with special needs using instructional technology and using data to inform instruction. For Music majors only. Clinical Hours required. Also listed as ED-333.

MU-340 Music and Music Publishing for TV, Radio, and Film **Credits: 3**
Course Type(s): None
Defines and examines the many opportunities available to the musician in the mass media, including theme composition, post scoring, jingle production, news music, production libraries, music editing, soundtrack production, on-air and cable network yearly campaigns, EFX and usage, available orchestrational sources, client relations, timings and conversations, on-air and theatrical publishing, professional societies (ASCAP, BMI, SESAC), budgeting, and union relations and affiliations.

MU-341 Songwriting I **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Designed to analyze and study the many components of songwriting, focusing on today's contemporary music featured on radio, film, and television. Various styles will be studied and developed, from rap to country music. Nashville style group writing will be used as will Writer in the Round type performances. Ability to play an instrument is recommended but not required.

MU-342 Songwriting II **Credits: 3**
Term Offered: All Terms
Course Type(s): None
A continuation of Songwriting I and will focus on final arrangements and production of songs to be presented to publishers, record labels, etc. Also covered will be how to properly present works to producers and session musicians in the form of basic lead sheets and music notation.

MU-345 Record Production **Credits: 3**
Term Offered: All Terms
Course Type(s): IM
Examines all of the aspects of record production, from choice of artist and material to the actual art of recording itself. Will meet in a fully equipped recording studio and will be co-taught by the lecturing professor and a professional sound engineer. The recording techniques to be taught will be applicable to all forms of music, including classical jazz, rock, and mass/multimedia. The student will have hands-on instruction on the use of analog and digital recording machines, sound boards, and outboard gear.

MU-353 Contemporary Rock Ensemble I **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Designed to run as a professional touring band would in preparation for a major tour and/or recording session. Covers many different genres with varying instrumentation. Taught by a seasoned road veteran with twenty years of experience in major tours/acts.

MU-354 Contemporary Rock Ensemble II **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
A continuation of Rock Ensemble I, which is designed to run as a professional touring band would in preparation for a major tour and/or recording session. It will cover many different genres with varying instrumentation. Taught by a seasoned road veteran with twenty years of experience in major tour/acts.

MU-398 Special Topics in Music (300 Level) **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
An intensive study of a particular subject or problem in music to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

MU-399 Independent Study in Music **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
An intensive study of a particular subject or problem in music to be announced prior to registration. Prior permission of the directing professor and department chair is required to take this course.

MU-401 Music Business Internship Seminar **Credits: 3**
Prerequisite(s): MU-301, departmental approval, Junior standing, and proof of internship prior to enrollment.
Term Offered: All Terms
Course Type(s): EX5
Practical experience in the music industry in fields such as concert production, promotion, publicity, music publishing, and management. This course is repeatable for credit.

MU-402 Music Internship Seminar II **Credits: 3**
Prerequisite(s): MU-401
Term Offered: All Terms
Course Type(s): EX5
Practical experience in the music industry in fields such as concert production, promotion, publicity, music publishing, and management. Limited to Music majors only.

MU-403 Music Internship Seminar III **Credits: 3**
Prerequisite(s): MU-402
Term Offered: Spring Term
Course Type(s): EX5
Practical experience in the music industry in fields such as concert production, promotion, publicity, music publishing, and management. Limited to Music majors only.

MU-405 Composition **Credits: 3**
Prerequisite(s): MU-218, MU-219, MU-221, and MU-222
Term Offered: Spring Term
Course Type(s): None
Using the technique of Replicate-Generate From-Generate, this course combines the student's knowledge of traditional styles, form, and analysis in order to replicate music in many styles. The student will then begin to combine his or her own musical ideas into these compositions. The second half of the semester will be devoted to the original compositions of the student while employing the disciplines previously studied. Classical as well as contemporary motifs will be explored in this lecture-discussion-workshop course.

MU-406 Composition II **Credits: 3**
Prerequisite(s): MU-405
Course Type(s): None
Using the technique of Replicate-Generate From- Generate, this course combines the student's knowledge of traditional styles, form, and analysis in order to replicate music in many styles. The student will then begin to combine his or her own musical ideas into these compositions. The second half of the semester will be devoted to the original composition of the student while employing the disciplines previously studied. Classical as well as contemporary motifs will be explored in this lecture-discussion-workshop course.

MU-453 Advanced Record Production **Credits: 3**
Prerequisite(s): MU-345
Term Offered: All Terms
Course Type(s): None
Addresses the aesthetics of record production. Studio techniques, pre-production approaches, actual recording and final mixing are at the heart of this course. Students will learn microphone techniques as well as control room techniques. The full responsibilities of the producer will be taught and discussed in the class, as well as practiced outside of the studio/classroom. Lectures and demonstrations will precede the students' practical application and final product.

MU-489 Internship in Music **Credits: 1-3**
Term Offered: All Terms
Course Type(s): EX1
Supervised practical experience in music; repeatable for credit. Departmental approval and Junior standing are required to register for this course.

MU-498 Special Topics in Music (400 Level) **Credits: 1-3**
Term Offered: Spring Term
Course Type(s): None
An intensive study of a particular subject or problem in music to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

MU-499 Independent Study in Music **Credits: 1-3**
Term Offered: Spring Term
Course Type(s): None
Reading and research on a selected topic under the direction of a Music Department faculty member. Prior permission of the directing professor and department chair is required to take this course.

Nursing (NU)

NU-100 Technology and Health Informatics **Credits: 3**
Term Offered: All Terms
Course Type(s): TL
Designed to provide an introduction to the computer technology used in health care and its impact on decision-making. Includes an overview of the basic computer skills required to process electronic information, the nature and types of health information available on the World Wide Web, the development of search skills associated with finding information, linking electronic information to health decision-making processes, ethical and social issues involving the use of technology, and identifying major issues in computer and Internet security. Requires a minimum grade of C+.

NU-205 Pathophysiology **Credits: 3**
Prerequisite(s): BY-111 and BY-112, both passed with a grade of C+ or higher.
Co-requisite(s): CE-109 passed with a grade of C+ or higher.
Term Offered: All Terms
Course Type(s): None
Concepts for anatomy, physiology, and chemistry courses provide the foundation for exploring human dysfunction across the lifespan. Emphasis is placed on the relationship of health patterns of major body systems to changes that occur during the illness experience. Major pathophysiologic concepts are explored using a symptom-based approach that focuses on the most common diagnoses encountered in the clinical setting. Theories relation etiology, pathogenesis, and clinical manifestations are used to study common disease processes. Concepts learned in this course are fundamental to nursing practice. A minimum grade of C+ in this course is required to continue to NU-206.

NU-207 Transcultural Health **Credits: 3**
Term Offered: All Terms
Course Type(s): BI.EL, CD, HE.EL, RE
This course focuses on beliefs and practices by individuals and groups from a variety of cultures. Emphasis is placed on cultural sensitivity, cultural diversity, and implications for health. Differences in cultural beliefs related to health, illness, and the impact on the delivery of healthcare will be examined. This course requires a minimum grade of C +. Nursing majors only.

NU-210 Nutrition and Health **Credits: 3**
Term Offered: All Terms
Course Type(s): None
An introduction to the physiology of nutrition, basic concepts of normal nutrition, and nutrition in chronic disease (such as diabetes mellitus, cardiovascular disease, and obesity) will be explored. A study of the basic nutrients and the gastrointestinal system in its role of digestion, absorption, and metabolism. Food needs of an individual throughout life (birth to old age) will be considered, along with necessary dietary modifications caused by decreased activity. Food fads and fallacies will be discussed, as will factors to consider in choosing a healthy diet. Current concerns, such as how safe are the additives in our foods, the role of sugar, salt and highly processed foods, alternative therapies such as herbal remedies, and phytochemicals and their potential roles in modern nutrition, will be studied. Weight management will be addressed as it relates to medical nutrition therapy. This course requires a minimum passing grade of a C+.

NU-215 Issues and Trends in Professional Nursing **Credits: 3**
Prerequisite(s): EN-101 and EN-102
Term Offered: All Terms
Course Type(s): WT
The course introduces the student to the art and science of nursing by exploring the historical role of the nurse as a professional practitioner and member of the interprofessional health care team. Nursing theories are introduced with emphasis on the nursing process as a framework for designing and delivering nursing care. Quality and safety education for nursing (QSEN) competencies, ethical issues, cultural influences are discussed globally. Emerging roles are evaluated in relation to changing healthcare delivery systems. Standards of practice are referenced in the analysis of professional nursing during this and all subsequent nursing courses. The roles of critical thinking and therapeutic communication in the development of safe nursing practice are explored. This course requires a minimum grade of C+.

NU-301 Foundations of Nursing Practice I **Credits: 6**
Prerequisite(s): BY-111, BY-112, CE-109, NU-205, NU-215 or NU-311 all passed with a grade of C+ or higher.
Co-requisite(s): NU-301L, NU-301P, NU-310, and NU-312.
Term Offered: Fall Term
Course Type(s): None
This course provides an introduction to the practice of nursing. Emphasis is placed on the knowledge and skills needed to provide safe, quality care. The theoretical foundation for basic assessment and nursing skills is presented, and the student is given an opportunity to demonstrate these skills in a clinical/laboratory setting. Students are introduced to the nursing process as a framework for the development of decision-making and clinical judgement skills. For Nursing majors only.

NU-301CL Nursing I Clinical **Credits: None**
Co-requisite(s): NU-301 and NU-301L
Term Offered: Fall Term
Course Type(s): None
Students will learn the didactic content and apply the associated nursing skills during the clinical experience in the medical setting with live patients. This is a pass/fail course. Students must pass all sections of NU-301 to progress otherwise they must repeat all sections.

NU-301L Nursing I Lab **Credits: None**
Co-requisite(s): NU-301 and NU-301P
Term Offered: Fall Term
Course Type(s): None
Communication skills, the nursing process and medical mathematical calculations are areas of development. Methods for interpretation of medical orders, calculation of safe medications dosing and preparation, and administration of medications will be emphasized. This is a pass/fail course.

NU-308 Maternal, Pediatric, and Newborn Nursing **Credits: 6**
Prerequisite(s): NU-301, NU-310, and NU-312 all passed with a grade of C + or higher.
Co-requisite(s): NU-325, NU-308MCL, and NU-308PCL.
Course Type(s): None
This course provides an integrative, family-centered approach to the care of mothers, newborns, and children. Emphasis is placed on normal and high- risk pregnancies, normal growth and development, family dynamics, pediatric disorders and the promotion of healthy behaviors in patients. Clinical experiences provide the student with an opportunity to apply theoretical concepts and implement safe patient care to mothers, newborns, and children.

NU-308MCL Maternal Nursing Clinical **Credits: None**
Term Offered: All Terms
Course Type(s): None
Students will learn the didactic content and apply the associated nursing skills during the clinical experience in the medical setting with live patients. This is a pass/fail course. Students must pass all sections of NU-308 to progress otherwise they must repeat all sections.

NU-308PCL Pediatric and Newborn Nursing Clinical **Credits: None**
Term Offered: All Terms
Course Type(s): None
Students will learn the didactic content and apply the associated nursing skills during the clinical experience in the medical setting with live patients. This is a pass/fail course. Students must pass all sections of NU-308 to progress otherwise they must repeat all sections.

NU-310 Introduction to Pharmacology for Nurses **Credits: 3**
Prerequisite(s): NU-205 and NU-215 Both passed with a grade of C+ or higher.
Co-requisite(s): NU-301 and NU-312
Term Offered: All Terms
Course Type(s): None
This course provides an introduction to the principles of pharmacology, including pharmacokinetics, pharmacodynamics, medication interactions and potential adverse reactions. Emphasis is placed on drug classifications and nursing care related to the safe administration of medication to patients. A minimum grade of C+ is required in this course. Prerequisites: NU-205 and NU-215 both passed with a grade of C+ or higher.

NU-312 Individual Health Assessment **Credits: 3**
Prerequisite(s): NU-205 passed with a grade of C+ or higher
Co-requisite(s): NU-301, NU-310, and NU-312L
Term Offered: All Terms
Course Type(s): None
This course provides a framework for preparing students to perform comprehensive health assessments on patients in a variety of settings. Emphasis is placed on taking a thorough nursing history, performing physiological, psychological, sociological, cultural, and spiritual assessments, as well as identification of stressors and health risks. Laboratory/clinical experiences provide an opportunity to practice assessment skills on adult and older adult live and /or simulated patients. Prerequisite: NU-205 passed with a grade of C+ or higher.

NU-312L Individual Health Assessment Lab **Credits: None**
Prerequisite(s): NU-205 passed with a grade of C+ or higher
Co-requisite(s): NU-301, NU-310, and NU-312
Term Offered: All Terms
Course Type(s): None
This course provides a framework for preparing students to perform comprehensive health assessments on patients in a variety of settings. Emphasis is placed on taking a thorough nursing history, performing physiological, psychological, sociological, cultural, and spiritual assessments, as well as identification of stressors and health risks. Laboratory/clinical experiences provide an opportunity to practice assessment skills on adult and older adult live and /or simulated patients.

NU-324 Human Sexuality **Credits: 3**
Term Offered: All Terms
Course Type(s): GS, HE.EL, HEPE, NU.EL
Human Sexuality is an introductory course designed to help students reflect on their own personal experience, development, background, and value stance while becoming acquainted with research findings, current concepts, and diverse viewpoints about human sexuality. This information will focus on essential components of human sexuality and their relationship to human development. Social, cultural, and developmental determinants of sexual health will be examined. Content will include: anatomy, physiology, hormones, birth control, sexually transmitted infections, pregnancy/childbirth, sexual development, gender identity, sexual orientation, love, healthy relationships, sexual assault, sexual behavior/variation, and sexuality in media. Also listed as HE-324.

NU-325 Medical Surgical Nursing I **Credits: 6**
Prerequisite(s): NU-301, NU-310, and NU-312 all passed with a grade of C + or higher.
Co-requisite(s): NU-325L, NU-325P;
Term Offered: Spring Term
Course Type(s): None
Professional nursing care for individuals and their significant others experiencing acute and/or chronic illness is emphasized. Students continue to develop skills in nursing diagnosis, problem solving, decision-making and critical thinking skills in caring for adult and geriatric patients. The nursing process is applied in caring for adult/geriatric patients and their significant others across health care settings such as the hospital, end of life facilities, and home care. There is a weekly lab and practicum component with this course. A minimum grade of C+ is required in this course to continue to NUOB-203 and NUPD-203.

NU-325CL Medical Surgical Nursing I Clinical **Credits: None**
Co-requisite(s): NU-325 and NU-325L.
Term Offered: Spring Term
Course Type(s): None
Students will build upon their foundational experience with live patients in the hospital setting. Basic nursing skills will be expanded and focus is on the adult geriatric patient in a variety of students' clinical settings. Involvement with the live patients in the actual medical setting provides students with experiential knowledge and builds their confidence. This is a pass/fail course. Students must pass all sections of NU-325 to progress otherwise they must repeat all sections.

NU-325L Medical Surgical Nursing I Lab **Credits: None**
Co-requisite(s): NU-325 and NU-325P;
Term Offered: Spring Term
Course Type(s): None
Foundational clinical experiences help students to develop plans and implement strategies for health promotion, risk reduction, health maintenance, rehabilitation, injury prevention and treatment of acute and complex health issues of adult and geriatric patients from diverse backgrounds. Critical thinking and evidence-based practice are introduced for students to formulate differential diagnoses, clinical impressions, nursing diagnoses for treatment and evaluation of care provided to adult and geriatric patients. Clinical opportunities are provided to deliver safe, legal, and ethical care for adult and geriatric patients in a variety of clinical settings. This is a pass/fail course.

NU-330 Women's Health **Credits: 3**
Term Offered: All Terms
Course Type(s): BI.EL, CD, GS, NU.EL
Health care needs and concerns of women from diverse cultures will be examined. This course explores the biological, psychosocial, and sociocultural issues that impact women throughout the lifespan. Topics include the history and status of women's health globally, gender-based violence, sexual and reproductive health, and lifestyle choices that impact health. Throughout the course we will explore the impact of culture, ethnicity, socioeconomic status, systems of oppression, and gender on a woman's ability to be physically, mentally, and emotionally healthy. Also listed as HE-330.

NU-355 Research Methods in Nursing **Credits: 3**
Prerequisite(s): MA-151, EN-101, and EN-102 or permission of the instructor.
Term Offered: Fall Term
Course Type(s): HY, WT
This course is designed to promote clinical decision making through the exploration and integration of current scientific evidence, the use of clinical reasoning, and scholarly review. Focus is placed on the analysis and synthesis of evidence to answer a clinical question relevant to nursing practice. This course requires a minimum grade of C+.

NU-365 Wisdom, Wellness and Aging **Credits: 3**
Term Offered: All Terms
Course Type(s): CD, HE.EL
Provides an understanding of the cross-cultural variations in the status of aging and health in older adults. Examples of various cultures include examining older adults from non-English speaking countries such as North Korea, South Korea, Iran, Mexico, China, and Brazil. Examines older adults from these diverse populations as well as other nations. Topics to be covered include examinations of health implications on aging populations in non-English speaking countries. Compare countries, such as Japan, India, and Nigeria, to explore how their specific culture influences caregiving, social support networks, and community. Specific, cultural views of love, intimacy, and sexuality in older adults will be examined. Also listed as HE-365.

NU-370 Alternative/Complementary Health Therapies **Credits: 3**
Term Offered: All Terms
Course Type(s): BI.EL, GU, NU.EL
Cultural origins of CAM therapies will be discussed. Perspectives of health and healing through co-mingling Eastern Traditional Complementary and Alternative (TCAM) therapies and Western biomedical practices into an integrative strategy will be examined. Appropriate therapies for health promotion and specific illness contexts, potential risks/benefits, ethical issues addressing treatment choices and global entities that employ CAM therapies will be discussed. There will be an emphasis on choosing CAM therapies that are supported by research as safe and effective. Knowledge of reliable sources of information on the Internet will improve decision-making regarding therapies. Also listed as HE-370.

NU-375 Health in Developing Countries: A Cross-Cultural Perspective **Credits: 3**
Term Offered: All Terms
Course Type(s): BI.EL, GU, NU.EL
Designed to introduce students to the concept of health as a cross-cultural issue. Students will examine their own health beliefs and practices and expand their understanding of health and health issues of the developing world. Contemporary health issues will be analyzed. Healthcare delivery systems in selected countries in Asia and Africa will be examined and compared to the American healthcare system. Students are expected to problem solve and postulate solutions to contemporary and emerging health issues. Also listed as HE-375.

NU-390 Nursing Care of the Aging Adult **Credits: 3**
Prerequisite(s): NU-205 and NU-215 both passed with a grade of C+ or higher
Course Type(s): HY
This course provides an introduction to the care of aging adults while focusing on their unique physiological and psychosocial needs. Emphasis is placed on promoting healthy aging and retaining functional ability within a home or residential environment. Common health alterations of the older adult as well as safety and end-of-life care are introduced.

NU-398 Special Topics in Nursing (300 Level) **Credits: 1-3**
Course Type(s): None
An intensive study of a particular subject or problem in nursing to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

NU-399 Independent Study in Nursing **Credits: 1-3**
Term Offered: Spring Term
Course Type(s): None
Guided research and in depth study of an area of nursing and/or healthcare of particular interest to the student. Permission of the directing professor and department chair is required to take this course.

NU-400 Population Focused Care **Credits: 6**
Prerequisite(s): NU-492 passed with a grade of C+ or higher.
Co-requisite(s): NU-400P, NU-450, NU-490 and NU-490P.
Course Type(s): EX5, HY
This course is intended to orient students to nursing care of individuals, families, aggregates, communities, and populations. Principles and practices of community health are discussed. Emphasis is placed on assessing factors that influence the health of populations and the use of evidence-based practices in the delivery of spiritually and culturally appropriate health promotion and disease prevention interventions. The role of the nurse as an advocate for social justice is explored. Students are provided clinical experiences within the community. Nursing majors only.

NU-400CL Population Focused Care Clinical **Credits: None**
Co-requisite(s): NU-400
Course Type(s): None
This clinical experience focuses on population health nursing. The nursing process is utilized as students apply their knowledge in providing care to clients from the formation of the family through senescence. This clinical experience allows students to incorporate evidence-based practice strategies in the provision of care including health teaching, screening, outreach, disease and outbreak investigation, referral, and follow-up, across various aggregates, communities, and populations. Students must pass the clinical portion (NU-400CL) to pass the course NU-400. This is a pass/fail course. Students must pass all components of this course to progress.

NU-401 Medical Surgical Nursing II **Credits: 6**
Prerequisite(s): NU-308 and NU-325 Passed with grade of C+ or higher.
Co-requisite(s): NU-401P and NU-492.
Term Offered: Fall Term
Course Type(s): None
This course focuses on the care of adult patients with complex medical/surgical health problems. Emphasis is placed on helping patients and their families cope with alterations in body functions. Concepts of pharmacology, health promotion and education, evidence-based practice, and interdisciplinary collaboration will be integrated throughout the course. Clinical experiences provide the student with an opportunity to apply theoretical concepts and implement safe care to patients and selected groups in a variety of settings.

NU-401CL Medical Surgical Nursing II Clinical **Credits: None**
Prerequisite(s): NU-308 and NU-325, both passed with a C+ or higher.
Co-requisite(s): NU-401 and NU-492.
Term Offered: Fall Term
Course Type(s): None
This course focuses on the care of adult patients with complex medical/surgical health problems. Emphasis is placed on helping patients and their families cope with alterations in body functions. Concepts of pharmacology, health promotion and education, evidence based practice, and interdisciplinary collaboration will be integrated throughout the course. Clinical experiences provide the student with an opportunity to apply theoretical concepts and implement safe care to patients and selected groups in a variety of settings. For Nursing majors only. This is a pass/fail course. Students must pass all components of this course to progress.

NU-440 Health Policy **Credits: 3**
Prerequisite(s): EN-101, EN-102, HE-290 and Junior standing or permission of the instructor
Term Offered: All Terms
Course Type(s): HE.EL, HEPE, WT
Delves into the core elements that define health policy. Describes factors, such as the healthcare delivery systems (public/non-profits vs. private/for profits), access to care, healthcare financing, quality-of-care issues, and social issues, such as gender and culture, and their impact on health and healthcare. The dynamics of the policy-making process at different levels (federal, state and local) will be explored, along with policy analysis and how policy influences healthcare decisions. The complexities and challenges of healthcare reform will be identified. Also listed as HE-440.

NU-450 Leadership in Nursing and Healthcare **Credits: 3**
Prerequisite(s): NU-401 and NU-492 both passed with a grade of C+ or higher
Co-requisite(s): NU-400 and NU-490
Term Offered: Spring Term
Course Type(s): None
The acquisition of knowledge and skills necessary for personal and professional growth designed to address the elements of successful leadership in a manner that is practical and relevant for today's professional nurse.

NU-476 Interpersonal Violence **Credits: 3**
Term Offered: All Terms
Course Type(s): NU.EL
Examines the various types and patterns of violence related to cultural values, beliefs, biases, and societal issues, as well as the historical perspectives of violence. Course content includes: family, community, youth, and workplace violence; child, domestic, elder, and sexual abuse. Theories concerning gender violence, gangs, bias and hate crimes, and terrorism are challenged. Public health and health care issues related to violence, and primary, secondary, and tertiary-level interventions for victims and offenders of violence are discussed. Individual responsibilities associated with identification and reporting violence are identified. Health care measures to identify and prevent violence are analyzed. Methods of treatment for victims and perpetrators of violence are evaluated. Also listed as HE-476.

NU-490 Transition to Professional Practice **Credits: 6**
Prerequisite(s): NU-401 and NU-492 both passed with a grade of C+ or higher
Co-requisite(s): NU-400, NU-400P, NU-450, and NU-490P
Term Offered: Spring Term
Course Type(s): RD
This course is a comprehensive review of essential concepts and skills related to care of patients incorporating online review modules aligned with the NCLEX-RN detailed test blueprint. Students focus on those concepts necessary to prepare for the successful practice of professional nursing. Standardized testing is incorporated that includes a comprehensive examination and results-based remediation to support the successful completion of the NCLEX-RN exam and effective transition into nursing practice. Clinical experiences provide the student the opportunity to apply learned concepts while providing care to assigned patients and when functioning in a leadership role. For Nursing majors only.

NU-490CL Transition to Professional Practice Clinical Credits: None
Co-requisite(s): NU-490
Term Offered: Spring Term
Course Type(s): None
This capstone clinical course serves as a transition between the role of student and professional nurse. The major purpose is to increase independence in providing nursing care to groups of individuals in an acute care setting. The focus of this course is on organization, delegation and supervision of care and evaluation of outcomes. Clinical is Pass/Fail. Student must pass NU-490CL in order to pass NU-490.

NU-492 Mental Health Tertiary Care Credits: 5
Prerequisite(s): NU-308 and NU-202 both passed with a grade of C+ or higher.
Co-requisite(s): NU-401 and NU-492P.
Course Type(s): None
Part I: This course focuses on the care of patients experiencing mental and behavioral disorders. Emphasis is placed on the management of patients facing emotional and psychological stressors as well as promoting and maintaining the mental health of individuals and families. Concepts of crisis intervention, therapeutic communication, anger management, and coping skills are integrated throughout the course. Clinical experiences provide the student with an opportunity to apply theoretical concepts and implement safe patient care to patients in mental health settings. Part II: Tertiary care nursing: Care for individuals, families, and aggregates highly specialized consultative care that involves advanced and complex procedures and treatments performed by medical specialists (such as pediatric centers, Oncology centers, burn centers, palliative care, plastic surgery, psychiatric hospitals) and community. The focus of tertiary care includes, but not limited to management of complex health issues, health promotion, disease prevention, risk reduction, health maintenance, and rehabilitation, injury prevention of adult and geriatric patients from diverse backgrounds. This course allows the students to improve and advance their abilities to critically think and apply evidence-based practice to formulate differential diagnoses, clinical impressions, nursing diagnoses for treatment and evaluation of care provided to adult and geriatric patients.

NU-492CL Mental Health Clinical Credits: None
Co-requisite(s): NU-492
Course Type(s): None
Students will learn the didactic content and apply the associated nursing skills during the clinical experience in the medical setting with live patients. For Nursing majors only. This is a pass/fail course. Students must pass all components of this course to progress.

NU-498 Special Topics in Nursing (400 Level) Credits: 1-3
Term Offered: All Terms
Course Type(s): NU.EL
An intensive study of a particular subject or problem in nursing to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

NU-498P Special Topics in Nursing Credits: None
Term Offered: Spring Term
Course Type(s): None
Practicum for NU 490.

NU-499 Independent Study in Nursing Credits: 1-3
Prerequisite(s): NU-312, NU-324, NU-355, and permission of the directing professor and department chair
Term Offered: Spring Term
Course Type(s): None
Guided research and in-depth study of an area of nursing and/or health care of particular interest to the student.

NUOB-203 Nursing III - Obstetrics Credits: 3
Prerequisite(s): NU-202 passed with a grade of C+ or higher and NU-202L and NU-202P both passed with a grade of P
Co-requisite(s): NUOB-203P, NUPD-203, and NUPD-203P
Term Offered: Spring Term
Course Type(s): None
Family theory is applied for examining families in childbearing years through pregnancy, labor, birth, post-partum mothers and their newborns, infancy, childhood and adolescence. The concentration is on the changing needs of women and families during the reproductive life cycle in the delivery of ethically sound nursing care. Care is adapted to the unique health and developmental needs of children and their families to maximize health potential. Health promotion, risk reduction, disease prevention and restoration of developing children and women are integrated and facilitated in the care of mothers, neonates, families and children in acute and community-based settings. There is a weekly practicum component with this course. A minimum grade of C+ is required in this course NUOB-203.

NUOB-203P Nursing III Obstetrics Practicum Credits: None
Prerequisite(s): NU-202 passed with a grade of C+ or higher, and NU-202L and NU-202P both passed with a grade of P
Co-requisite(s): NUOB-203 and NUPD-203P
Term Offered: Spring Term
Course Type(s): None
Practicum for NUOB-203. This is a pass/fail course. Students must pass this practicum to pass the course NUOB-203.

NUPD-203 Nursing III - Pediatrics Credits: 3
Prerequisite(s): NU-202 passed with a grade of C+ or higher and NU-202L and NU-202P both passed with a grade of P
Co-requisite(s): NUPD-203P, NUOB-203, and NUOB-203P
Term Offered: Spring Term
Course Type(s): None
Family theory is applied for examining families in childbearing years through pregnancy, labor, birth, post-partum mothers and their newborns, infancy, childhood and adolescence. The concentration is on the changing needs of women and families during the reproductive life cycle in the delivery of ethically sound nursing care. Care is adapted to the unique health and developmental needs of children and their families to maximize health potential. Health promotion, risk reduction, disease prevention and restoration of developing children and women are integrated and facilitated in the care of mothers, neonates, families and children in acute and community-based settings. There is a weekly practicum component with this course. A minimum grade of C+ in this course is required to continue to NUMS-204 and NUPY-204.

NUPD-203P Nursing III Pediatrics Practicum Credits: None
Prerequisite(s): NU-202 passed with a grade of C+ or higher, and NU-202L and NU-202P, both passed with a grade of P.
Co-requisite(s): NUPD-203 and NUOB-203P
Term Offered: Spring Term
Course Type(s): None
Practicum for NUPD-203. This is a pass/fail course. Students must pass this practicum to pass the course NUPD-203.

Perspectives (PR)

PR-400 Love, Life, and Liberty **Credits: 3**
Prerequisite(s): Completion of seventy-five credits
Term Offered: All Terms
Course Type(s): ISP
An examination of the historical and philosophical aspects of love and the assertion for freedom, starting from the biological concept of life. Throughout history, the various interpretations of these ideas have shaped the world. Students will be introduced to some of the most important, related works that are the fiber of History, Philosophy, and Science. The analysis of revered, cultural traditions will show the impact of love on the rational thinking and artistic creation. Also listed as RS-400.

PR-401 Perceptions **Credits: 3**
Prerequisite(s): Completion of seventy-five credits
Term Offered: All Terms
Course Type(s): ISP, GS
An in-depth visual study dealing with the various ways that artists perceive the world around them as it relates to specific subject matter, aesthetics, and to cultural, historical, and psychological implications. Beauty and reality will be examined in all categories studied, with emphasis on the personal perceptions of the student.

PR-403 Roma/Gypsies in Literature, Pop Culture, and History **Credits: 3**
Prerequisite(s): Completion of seventy-five credits
Term Offered: Spring Term
Course Type(s): ISP
Offers an interdisciplinary introduction to the people known as Gypsies (though the preferred term is Roma or Romani), whose ancestors left northern India by the Eleventh century, and who presently live dispersed in a world-wide diaspora. We will examine representations of Gypsies in world literature, pop culture, and history, and investigate this people's position at the confluence of myth, metaphor, and reality. We will discuss the particulars of Roma's history, including origins, migrations, experiences with slavery and the Holocaust, and their position within the New Europe. Special attention will be paid to the relation between historical and non-historical representations, and to the production of stereotypes and tropes associated with Gypsies/Roma.

PR-404 Ethnic Lives **Credits: 3**
Prerequisite(s): Completion of seventy-five credits
Term Offered: All Terms
Course Type(s): ISP
Institutional racism in America, its effect on intergroup relations, and the response of ethnic group members to it. Ethnicity in America is examined from a global perspective. Readings in Sociology and Literature.

PR-406 The Individual and Society **Credits: 3**
Prerequisite(s): Completion of seventy-five credits
Course Type(s): ISP
The impact of two cultural ideologies; the influence of individualism and collectivism on individual thought and behavior, social interaction, societal values, and global order. The disciplines represented include Psychology, Ethics, Cultural Anthropology, and Sociology.

PR-407 Morality and Community **Credits: 3**
Prerequisite(s): Completion of seventy-five credits
Term Offered: All Terms
Course Type(s): GS, ISP
Problems involved in making moral decisions in complex situations. Focuses on lying and deceit, deleterious effects on the life of the community, and also on clarifying codes of ethical behavior. The disciplines represented include Literature and Ethics.

PR-411 Gender and Global Culture **Credits: 3**
Prerequisite(s): Completion of seventy-five credits
Term Offered: All Terms
Course Type(s): GS, ISP
Examines how gender influences cultural beliefs and practices around the world. Examines how gender shapes culture, particularly in ways that restrict and limit our lives. Uses an interdisciplinary approach to examine how gender and culture shape individual lives, as well as the larger global communities in which we live. Throughout the course, students will examine ethical and social issues concerning gender and culture.

PR-418 Eastern-Western Approaches to Wellness, Health, and Healing **Credits: 3**
Prerequisite(s): Completion of seventy-five credits
Term Offered: Spring Term
Course Type(s): HE.EL, HEPE, ISP
Exploration and comparison of Eastern and Western approaches to wellness, health, and healing, known currently as the "mind/body question." Examination of how beliefs inherent in these traditions influence concepts of health and disease.

PR-422 AIDS and the Global Society **Credits: 3**
Prerequisite(s): Completion of seventy-five credits
Term Offered: All Terms
Course Type(s): HE.EL, HEPE, ISP
A global perspective of the HIV/AIDS pandemic using three major disciplinary approaches of biology, public health, and social anthropology. The impact of the disease on individuals, families, and communities in Western and non-Western countries; associated social, psychological, ethical, economic, and health issues are explored.

PR-423 Perspectives on Human Rights **Credits: 3**
Prerequisite(s): Completion of seventy-five credits
Term Offered: Spring Term
Course Type(s): None
An interdisciplinary and cross-cultural exploration of the question of human rights. The disciplinary perspectives of Philosophy, Political Science, History, and Literature are used to examine the different dimensions of human rights in the world.

PR-424 Movies, Places, and People **Credits: 3**
Prerequisite(s): Completion of seventy-five credits
Course Type(s): ISP
Integrates geography, psychology, and film studies to examine the interrelationships of people, their identities, and their behaviors with places they experience both directly and through movies.

PR-425 Critical Play: Theories and Aesthetics of Video Games **Credits: 3**
Prerequisite(s): Completion of seventy-five credits
Term Offered: All Terms
Course Type(s): ISP
Critical examination of the role of video games and play toward the construction of cultural values, social structures, and identities. This interdisciplinary course studies the theories and aesthetics of video games by drawing from the fields that include, but are not limited to: Art and Art History, Anthropology, and Sociology.

PR-428 Children's Folklore **Credits: 3**
Prerequisite(s): Completion of seventy-five credits
Term Offered: Summer Term
Course Type(s): ISP
An investigation of the theoretical perspectives of development psychologists, anthropologists, and comparative historians. Working in the field of Literary Studies, students will learn to analyze children's folklore with theoretical and methodological tools borrowed from the disciplines of anthropology, psychology, and comparative historical analysis. Topics include: rhymes, riddles, jokes, songs, lore, and other language use in American children and children from other cultural groups.

PR-429 Health and Healing Across Cultures **Credits: 3**
Prerequisite(s): Completion of seventy-five credits
Term Offered: Fall Term
Course Type(s): ISP
A cross-cultural examination of health and healing. Through lecture, discussion of the readings, case studies, and film presentations, students will explore the biological and sociocultural factors that affect health, illness, disease, and healing, both now and in the past. Students will also examine the impact of the healer and supernatural belief systems on the process of healing. In addition to the evaluation of the cultural health aspects of Africans, African-Americans, Hispanics/Latinos, Haitians, and the Hmong, these populations will also be compared to the general American population in terms of overall health and access to health care.

PR-430 Social Movements: Marches and Music **Credits: 3**
Term Offered: All Terms
Course Type(s): ISP, HY, OL
An examination of the creation, function, and effect of protest marches and music within social movements. We will do this by analyzing social movements through the perspectives of political science, political communication, social movements, rhetoric, cultural studies, and music.

PR-432 Ethics and Professionalism in Science and Engineering **Credits: 3**
Prerequisite(s): Completion of seventy-five credits
Term Offered: All Terms
Course Type(s): ISP
This course provides a broad view of ethics and professionalism in the context of Science and Engineering. It teaches valuable practical skills as well as the basic analytic tools required to make the ethical decisions confronted by professionals in any field. The course describes the special role of professionals in society and uses the key perspectives of engineering and philosophy to explore their responsibilities. Additional perspectives (e.g. organizational psychology, law) will be incorporated as appropriate. A key course dynamic will be the interplay between producers and consumers of technology as common ethical dilemmas are approached from both viewpoints. The topics covered will include: problem-solving in the context of ethics and codes of conduct, professional societies, working as a member of a team and international issues, as well as how to be a productive and contributing professional.

PR-433 Death and Dying **Credits: 3**
Prerequisite(s): Completion of seventy-five credits
Term Offered: All Terms
Course Type(s): HE.EL, HEPE, ISP, NU.EL
A study of attempts to understand the meaning of death and the cultural practices that surround death and dying. The disciplines represented include: bioethics, literature, and philosophy.

PR-434 Immigration and the United States **Credits: 3**
Prerequisite(s): Completion of seventy-five credits
Term Offered: Spring Term
Course Type(s): ISP
Traces the historical experience of immigrants in the U.S., examines their place in the stratification system, the forms of prejudice and discrimination they have encountered, and their patterns of assimilation into the larger society. The disciplines of History and Sociology are used to examine problems, including social and ethical issues, encountered by immigrants, United States citizens, and policy makers. Topics will include a historical examination of immigration policy, push/pull factors that influence immigration, and settlement patterns within the United States. Prepares students to identify immigration problems and research solutions.

PR-435 The Way and the Word Hinduism **Credits: 3**
Prerequisite(s): Completion of seventy-five credits
Term Offered: Spring Term
Course Type(s): ISP
A comparison of classic texts central to two Asian traditions, The Bhagavad Gita and The Analects; the impact of the ethos of each tradition on secular narratives, Asian and Western. The disciplines represented include Comparative Religion and Literature. Also listed as RS-435.

PR-436 Urban Legends **Credits: 3**
Prerequisite(s): Completion of seventy-five credits
Term Offered: All Terms
Course Type(s): ISP
This is an interdisciplinary course that utilizes the disciplines of history, anthropology, media studies, psychology, and social psychology to examine urban legends from various perspectives. In this class, we will focus primarily on United States (U.S.) thought and culture, through an examination of the urban legend, in an attempt to map the American mind through a discussion of urban legends as moral panics, popular assumptions, and mass hysteria with a focus on race, gender and class.

PR-437 Perspectives on the Human Experiences: Family Violence **Credits: 3**
Prerequisite(s): Completion of seventy-five credits
Course Type(s): ISP
Designed as an interactive seminar course that engages students in interactive discussions and experiential exercises related to understanding and working with families who have experienced violence, including both survivors and perpetrators. The impact of culture on family violence across intergenerational family members (e.g., children, parents, and grandparents) and diverse populations and settings are thoroughly reviewed. Students learn a strengths-based empowerment approach and application of resiliency theory to assessment, prevention, intervention planning, and evaluation of individuals, families, and communities impacted by abuse and violence.

PR-438 Nature of the Self: East and West **Credits: 3**
Prerequisite(s): Completion of seventy-five credits
Term Offered: All Terms
Course Type(s): ISP
A comparative study of Asian and Western theories about the nature and definition of self using an interdisciplinary approach - philosophy, religion, and history. .

PR-439 Interdisciplinary Perspective on Social Business Credits: 3
Prerequisite(s): Completion of seventy-five credits
Course Type(s): ISP
Micro-credit has become one of the most successful social business interventions in addressing poverty in the developing world. As a successful initiative, it is now traveling from the developing world to the developed world. Addresses the historical, philosophical, and theoretical underpinnings of social business, and will explore in an interdisciplinary approach the ethical and social issues related to social business. Social business, itself, is cross-disciplinary, providing a basis for working together, transcending our differences across disciplinary lines, and envisioning creating a world without poverty.

PR-441 Countercultures in American History Credits: 3
Prerequisite(s): Completion of seventy-five credits
Term Offered: All Terms
Course Type(s): ISP
Explores countercultures in the United States from multiple-disciplinary perspectives including history, literature, and sociology. Elements from philosophy and psychology will also be included. The course will show that the counterculture in the 1960's was just one historical manifestation of American historical movements that are anti-authoritarian and espouse personal and/or societal transformation/regeneration. By examining different groups, the course will show that countercultures have a legacy of change in American society.

PR-442 Modern Images, Irrational Thought Credits: 3
Prerequisite(s): Completion of seventy-five credits
Term Offered: All Terms
Course Type(s): ISP
Philosophy from the time of Plato has been an evolution of ideas, one set replaced by another, in a dialogue that changes from what has become accepted as normal to an ever changing view derived from rational thought as it relates to the present and the projected future. As in Philosophy, Art has a cyclical evolution; 1) an initial intuitive leap of newness, 2) a refinement and loosely agreed upon normalcy and 3) a stage, for lack of better description, "Istic," where nothing new is brought about and contributors either branch out or embellish what they can't penetrate with a new leap. Through the two main disciplines of Art and Philosophy, the course will investigate changes in rationality in the late nineteenth Century and trace their movements and influences into the twenty-first.

PR-443 ESP, Yesterday and Today Credits: 3
Prerequisite(s): Completion of seventy-five credits
Term Offered: All Terms
Course Type(s): ISP
From the first Paleolithic Shaman to Madam Marie on the Boardwalk in the twenty-first Century, civilizations have been fascinated by visionaries, mediums, psychics, and those who claim to channel entities from alternative realities. Clairvoyance, Telepathy, Astral Projection, and Psychokinesis are all part of the hidden, or sixth sense referred to as Telesthesia. The idea has surfaced and influenced mankind from Egyptian Soothsayers, the Oracle of Delphi, Revelations in the Bible, Nostradamus, Madam Blavatsky, Edgar Cayce, and as recently as Jane Roberts in the late twentieth century and is taking modern form in the concept of The New Age. Through the main disciplines of History and Psychology, this course will investigate the ever-changing social attitudes and beliefs concerning Extra Sensory Perception from the cave dwellers to the modern carnival.

PR-444 Leadership, Public Health, and Higher Education Credits: 3
Prerequisite(s): Completion of seventy-five credits
Course Type(s): ISP
The disciplines represented in this course are Education and Health Studies. Content focuses on problems, including social and ethical issues, encountered by leaders in Higher Education and Public Health. Topics will include leadership theories, practice, and evaluation. Prepares students to identify problems, research solutions, implement plans, and evaluate results that advance the mission of non-profit organizations committed to improving public health and institutions of Higher Education. Emphasis will be placed on issues involved in Higher Education and Public Health.

PR-445 Race, Satire, and the Black Aesthetic Credits: 3
Prerequisite(s): Completion of seventy-five credits
Term Offered: All Terms
Course Type(s): ISP
This is an upper division course on race in American satire in relation to the Black aesthetic as exemplified in film and other forms of mass media in the twentieth century. Spike Lee films are a major focus in this class within the larger framework of U.S. history, society and culture. Lee is one of the major architects of the Post-Soul Aesthetic and sledgehammer satire. This class will consider various Spike Lee films from multiple disciplinary perspectives including history, film studies, sociology, and gender studies with an emphasis on the disciplines of history and media studies. We will critically examine Lee's work within the broad historical framework of African American intellectual history and in terms of his engagement with controversial social, political, and economic issues in American society within his work. These films will also be analyzed for the aestheticization of larger historical, cultural, and social aspects of U.S. society. The two main disciplines utilized in this course include: African American intellectual history and media studies.

PR-446 The Confessional Poets: Surviving Madness Credits: 3
Prerequisite(s): Completion of seventy-five credits
Term Offered: All Terms
Course Type(s): ISP
An exploration of the works of key figures in the confessional style of contemporary American poetry. These poets suffered multiple levels of mental anguish and used confessional poetry to share and heal their suffering, as they attempted to survive their lives.

PR-447 A Graphic World: Sequential Art and World History Credits: 3
Prerequisite(s): Completion of seventy-five credits
Term Offered: All Terms
Course Type(s): ISP
An interdisciplinary course that will use the perspectives of historical, literary, and artistic analysis to examine important themes such as, but not limited to, nationalism, inequality, industrialization, war, religion, or cultural diffusion, through the medium of the graphic novel.

PR-448 Ecocriticism and Medieval England Credits: 3
Prerequisite(s): Completion of seventy-five credits
Term Offered: All Terms
Course Type(s): ISP
An ecocritical study of historical documents and literary texts in medieval England.

PR-449 The Helping Professions in Film and Media Credits: 3
Prerequisite(s): Completion of seventy-five credits
Course Type(s): ISP
Provides students an opportunity to look at ethical and social issues from a multidisciplinary perspective. Looks at the helping professions (for example: teachers, counselors, and medical professions), how the codes of ethics for these professions are similar but different, and how these professions have been villainized and romanticized in film.

PR-451 Ethnic and Religious Conflicts and Their Political Implications Credits: 3
Prerequisite(s): Completion of seventy-five credits
Term Offered: All Terms
Course Type(s): ISP
Examines the relationship between ethnicity, nationalism and violence. Focus will be on the formation and the causes that ignite ethnic conflicts. Discussion of the political tools and strategies to manage them as well as the role of international communities in preventing and resolving these conflicts. To understand the international implications of the ethnic conflict we shall examine examples from around the world but we shall focus mainly on five cases: Yugoslavia, Rwanda, Ireland, Russia, and Palestine.

PR-452 and its Role in Modern Society and its Role in Modern Society Credits: 3
Prerequisite(s): Completion of seventy-five credits
Course Type(s): ISP
Designed to allow students to examine Theatre in intense and very specific ways using and examining the literature and visual arts aspects of theatre. The course content will focus on the Summer season of the Shadow Lawn Stage or an appropriate selection of plays during the academic year. Students will not only discuss in class the plays being performed, but will also have the experience of watching them being designed, constructed, and rehearsed. .

PR-453 Censoring Culture: Banned and Burned in the USA Credits: 3
Prerequisite(s): Completion of seventy-five credits
Term Offered: All Terms
Course Type(s): ISP
An interdisciplinary study of censorship in modern America. Utilizing the combined methodologies of history and literary criticism, broadly construed to include feminist and cultural theory, it will explore specific instances of censorship in art, literature and history in twentieth- and twenty-first-century American culture. It will focus on the "reading" of censored texts, novels, paintings, photographs, newspapers and film as cultural artifacts and probe the nuances and boundaries of freedom of speech and expression in a democratic society.

PR-454 Word and Image Credits: 3
Prerequisite(s): Completion of seventy-five credits
Term Offered: Spring Term
Course Type(s): ISP
Explores the relationship between the two basic modes of representation in our culture - words and pictures. The interaction between the two will be investigated historically and theoretically through a close examination of a variety of media, from books and posters to comics and Web sites. Emphasis is on the power of word-image representations to define social and ethical concerns and also shape our lives, as well as on the beauty of some works of "composite art" created by poets and artists, from William Blake to Art Spiegelman.

PR-456 Right Wing Extremism in Europe Credits: 3
Prerequisite(s): Completion of seventy-five credits
Term Offered: Spring Term
Course Type(s): ISP
Presents a comparative analysis of several far-right organizations in Western Europe as well as the characteristics of the right wing extremism in Eastern Europe. The course will identify the causes that led to the popularity of these groups, sub-culture of the skin-heads and the neo-Nazi and the attitude of the far right groups in Eastern Europe towards the Roma population. We shall also analyze their consequences for the political stability and democracy in the European Union.

PR-457 Issues in Cognitive Science Credits: 3
Prerequisite(s): Completion of seventy-five credits
Term Offered: Spring Term
Course Type(s): ISP
Focuses on a number of key ideas about mental representations (e.g., logic, rules, concepts, and analogies) and contrasts how work in psychology (e.g., building computational models) helps us to evaluate their suitability as models of the human mind and of the nature of intelligence in general. Cognitive Science is an inherently interdisciplinary approach to the study of the mind and intelligence, drawing upon work in philosophy, psychology, artificial intelligence, neuroscience, linguistics and anthropology. The course will touch on many of these areas, but the focus is work in the disciplines of psychology and artificial intelligence. The course will also cover the ethical implications of work in cognitive science.

PR-458 The Meaning of Meaning Credits: 3
Prerequisite(s): Completion of seventy-five credits
Term Offered: Spring Term
Course Type(s): ISP
Focuses on the various perspectives about meaning that have developed in the philosophical literature and their applications to actual language use as uncovered by linguists and anthropologists. Efforts to understand the meaning of meaning have been carried out in a variety of disciplines; philosophy, psychology, literary studies, artificial intelligence, linguistics and anthropology. Although the course will touch on many of these areas, the focus is on the work in the disciplines of philosophy, linguistics, and anthropology. The course will also cover the social and ethical implications of the different approaches to the meaning of meaning.

PR-459 The Science and Politics of Climate Change Credits: 3
Prerequisite(s): Completion of seventy-five credits
Term Offered: All Terms
Course Type(s): ISP, SUS
Earth's climate has changed in the past and will change in the future; however, current climate science describes a rate of climate change expected in the next hundred years that is similar to those experienced during mass extinctions in the past. This rate of change implies emergency conditions for most living creatures including man, and a need for urgent action if human caused contributions to climate change are to be stopped or slowed. This course will examine the science and politics of climate change with an emphasis on understanding the physical science behind climate change, the biological impacts of changing climate in a variety of biomes, suggested political and physical remediation and the political consequences of suggested remediation. This course will also examine the actions of certain lobbyists, political parties, and multinational corporations and their impacts on the politics of climate change.

PR-460 How Technology Affects Values **Credits: 3**
Prerequisite(s): Completion of seventy-five credits
Course Type(s): ISP
The correlation of values to technology; conceptualization of the interrelationships among science, technology, values, and society. Preparing to understand technical innovation, the impact of technical innovations on the quality of life, and the need for critical evaluation of societal matters involving the consequences of technology. The disciplines represented include History and Sociology.

PR-461 The Great Recession and its Effect on Society **Credits: 3**
Prerequisite(s): Completion of seventy-five credits
Course Type(s): ISP
The Great Recession officially began in December 2007 and ended in June 2009. The severity and extended duration of the second biggest economic downturn in history have inflicted long-lasting damage on individuals, families, and communities. This course will explore the historical sequence of events, similarities with the Great Depression, business and government decisions, and the theoretical underpinnings culminating in the Great Recession. Emphasis is given to the evaluation of the aftermath- the severe adverse effect on society! The course explores economics, decision-making, ethics, political and social issues - knowledge essential to the intellectual development of future leaders.

PR-462 Palestinian-Israeli Relations **Credits: 3**
Prerequisite(s): Completion of seventy-five credits
Course Type(s): ISP
Palestinian-Israeli relations are critically examined within the historical, political, postcolonial, and ethical contexts of Arab-Jewish and Arab-Israeli relations. The dual-narrative method is used, as are several documentaries and films that represent the perspectives of both Palestinians and Israelis. These are studied to understand how and why filmmakers portray Palestinian-Israeli relations the way they do and how these cinematic works challenge our conceptions of reality. History, political science, ethics, and film studies will be joined to provide an interdisciplinary perspective on the relations between Palestinians and Israelis.

PR-463 Dissent in America **Credits: 3**
Prerequisite(s): Completion of seventy-five credits
Term Offered: Spring Term
Course Type(s): ISP
An interdisciplinary survey of the core American value of dissent. Students will read and interpret the evolution of dissent in America since colonial times. The focus will be on why dissent occurs and its impact on America. Students will examine this topic through a diverse range of disciplines such as history, political science, and sociology. With lecture providing background and context followed by class discussion, self-reflection and critical comparative analysis will be utilized. Students will be active participants through the use of Bloom's assessing outcomes.

PR-464 American Popular Culture and Beatles **Credits: 3**
Prerequisite(s): Completion of seventy-five credits
Term Offered: All Terms
Course Type(s): ISP
Explores the relationship between American popular culture and the Beatles from the perspectives of the disciplines of History and Communication, with a special emphasis on cultural studies, political economy, issues of authenticity, and reception theory. In this course, students will examine the ways in which American popular culture influenced the life and times of the Beatles and, in turn, the impact the Beatles had upon American popular culture. The course will trace not only the American musical influences on the Beatles, but also the role played by television, films, and the mass media both on the Beatles and the changing cultural landscape in the United States and Britain in the 1950s and 1960s. This course fulfills the Interdisciplinary Perspectives General Education Requirement.

PR-465 Music and Religion **Credits: 3**
Prerequisite(s): Completion of seventy-five credits
Course Type(s): AT, ISP
This course explores the relationship between music and religion from a global perspective, examining ideas, values, and practices of music and sound in various religions and spiritual traditions around the world. In addition to learning about the music-cultures (context, instruments, repertoire, etc.) that coincide with various religious traditions, students will be encouraged to consider how worldview and ideology lend to differing perceptions of musical meaning, performance, form, symbolism, and the importance of sound, generally. This survey covers the most prominent world religions (Hinduism, Buddhism, Judaism, Christianity, and Islam) and their denominations, as well as Central Asian Shamanism, Japanese Shinto rituals, and religious traditions of Native Americans. Syncretic religious practices in the Americas, including, African American gospel music, Brazilian Candomblé, Cuban Santeria, Haitian Voodoo, and Jamaican Rastafarianism are also presented to examine global issues such as colonization, transculturation, and the localization of culture and religion. Drawing upon academic articles, indigenous texts, musical recordings, and videos, students can expect to be introduced to a number of theoretical dimensions that arise within studies of music and religion globally. Also listed as RS-465.

PR-467 Eco-Self: The Human-Nature Relationship **Credits: 3**
Prerequisite(s): Completion of seventy-five credits
Course Type(s): ISP
This course brings together eco-art, environmental writing and the newer, and often contested, field of eco-psychology to deepen our understanding of the human/nature relationship. Using the tradition of the "field journal", students will will become amateur naturlists and use the creative arts, close observation, and critical thinking to better understanding their own relationship with nature, learn more about a place site of their choosing, and investigate larger societies' relationship with nature.

PR-468 Fictional Politics in Literature, Film, and Television **Credits: 3**
Prerequisite(s): Completion of seventy-five credits
Term Offered: All Terms
Course Type(s): ISP
An examination of the role of fictional depictions of politics in the ways that people develop a lens through which they view political power. Authors and media creators use their creative products to make arguments about politics. Through close readings of novels, film, and television shows we will look at the ways that culture depicts American politics and the effects of those depictions. We will use the theories and methods of several disciplines including political science and communication (rhetoric and media criticism).

PR-469 Mind Over Matter **Credits: 3**
Prerequisite(s): Completion of seventy-five credits
Term Offered: All Terms
Course Type(s): ISP
Will provide students with an overview of two conflicting explanations of how the mind works to define the universe, the interactions of mind/body in relation to the 21st Century, and consideration of ethical and social issues.

PR-470 War and Peace **Credits: 3**
Prerequisite(s): Completion of seventy-five credits
Term Offered: All Terms
Course Type(s): ISP
An exploration of the forces leading toward war and peace in our century. Through literature, history, and sociology, the course looks at the dynamics of the two world wars, the development and use of nuclear weapons and the subsequent arms race, and rapidly evolving, current situations, such as the dissolution of the Soviet Union, tensions in the Middle East, and the role of the United States in the "New World Order." The disciplines represented in the course include Literature, History, and Sociology.

PR-471 The Historical Novel **Credits: 3**
Prerequisite(s): Completion of seventy-five credits
Term Offered: Spring Term
Course Type(s): ISP
Explores the history of the historical novel from Sir Walter Scott to the present and the impact that historical novels have on the way in which we perceive the past. Students will examine the ways in which the authors of historical novels are influenced by the times in which they are writing and the dynamic relationship between the times of the author and the historical period about which he or she is writing. The course will also trace developments in both history and literature that have contributed to the evolution of the historical novel in the past two centuries.

PR-472 Management Lessons Through the Arts and Literature **Credits: 3**
Prerequisite(s): Completion of seventy-five credits
Course Type(s): ISP
Bridges business management with the arts and literature. Students will explore the link between management practices and some of the great works of literature, theatre, poetry, music, art, architecture, photography, film, and television.

PR-473 Twentieth Century Psychoanalysis **Credits: 3**
Prerequisite(s): Completion of seventy-five credits
Term Offered: All Terms
Course Type(s): ISP
Psychoanalysis has been one of the most influential and controversial traditions in 20th century and contemporary thought. What began as a method for healing psychic neuroses in suffering patients has developed into a philosophical paradigm for conceptualizing the human condition. Ironically banished from a meaningful place in psychology departments, psychoanalysis has found willing disciples in literature, sociology, philosophy and mostly left-wing politics. Yet, psychoanalysis has been adopted as an interpretative framework by both rightists and leftists, by conservatives and liberals alike. The interdisciplinary nature of psychoanalysis makes it fruitful for a humanities-oriented perspective course. This class concentrates on the intersection of psychoanalysis with literature and philosophy. It seeks to study the cultural and social significance of psychoanalysis through the material impact of literature and philosophy.

PR-475 Bruce Springsteen's America: Land of Hope and Dreams **Credits: 3**
Term Offered: All Terms
Course Type(s): ISP
This interdisciplinary course focuses on the life, times, music and lyrics of Bruce Springsteen as they relate to American history and culture in the twentieth and early twenty-first centuries, using the disciplines of history and music.

PR-481 Applied Rationality **Credits: 3**
Prerequisite(s): Completion of seventy-five credits
Term Offered: Spring Term
Course Type(s): ISP
The most powerful ability a person can have is the ability to think effectively. As humans, we are subject to an overwhelming variety of cognitive biases and other limitations to our reasoning powers; however, lying in the multidisciplinary nexus of the behavioral sciences and probability theory, there are tools for overcoming these limits. Come and proactively engage with the unseen forces that work upon us and through hands-on-activities, writing, and in-depth readings, become a more effective, indeed more rational, thinker.

PR-483 Cold War Perspectives **Credits: 3**
Prerequisite(s): Completion of seventy-five credits
Term Offered: Spring Term
Course Type(s): ISP
An interdisciplinary study of the ethical dilemmas of the Cold War, considering approaches from history, the social sciences, literature, and the arts.

PR-487 The Story of the Book **Credits: 3**
Prerequisite(s): Completion of seventy-five credits
Term Offered: All Terms
Course Type(s): ISP
This course explores the history of the book and its timeless presence as one of the world's greatest and enduring inventions. From the perspectives of the disciplines of English, History, and Library Science, a holistic emphasis is placed on the book, which extends from its materiality and its cultural and historical impact, to concepts of textual originality and authenticity. Students will examine and learn about the earliest examples of portable writing-from scrolls and Roman codices-to the early days of Gutenberg and onward to new developments such as the graphic novel and the artist book. This course fulfills the Interdisciplinary Perspectives General Education Requirement.

PR-490 Revolution and Creative Response **Credits: 3**
Prerequisite(s): Completion of seventy-five credits
Term Offered: All Terms
Course Type(s): ISP
Revolution and Creative Response will study three revolutions: the Industrial Revolution, the Soviet Revolution, and the South African Revolution - the historical conditions, the critical events, and the central people. It will then analyze how certain artists responded or reacted to these. Combines elements of history and textual analysis (the methods used in the study of literature or film).

PR-498 Special Topics in Perspectives (400 Level) **Credits: 3**
Prerequisite(s): Completion of eighty-seven credits
Term Offered: Spring Term
Course Type(s): None
An intensive study of a particular subject or problem in perspectives to be announced prior to registration.

Philosophy (PL)

PL-101 Introduction to Philosophy **Credits: 3**
Term Offered: All Terms
Course Type(s): None
A historico-critical inquiry into the nature of the philosophical enterprise; the meaning of existence; knowledge and truth; and values in their religious, ethical, and aesthetic significance.

PL-104 Ethics **Credits: 3**
Term Offered: All Terms
Course Type(s): SJL
Theoretical ethics and its application to enduring and contemporary moral issues. Thorough examination of the basic principles of a rational, humane, and practical moral system. Also listed as RS-104.

PL-106 Elementary Logic **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
A consideration of valid reasoning as it relates to language and definition. Primary attention is given to discerning and identifying informal fallacies, techniques for determining the validity of inference, and the evolution of symbolic systems. Recommended for students preparing to take the GRE or LSAT.

PL-198 Special Topics in Philosophy (100 Level) **Credits: 1-3**
Course Type(s): None
An intensive study of a particular subject or problem in philosophy to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

PL-201 Philosophy of Religion **Credits: 3**
Prerequisite(s): PL-101
Term Offered: Spring Term
Course Type(s): None
An examination of certain salient features of Western religious thought, emphasizing the problems of religious language, the nature and validity of religious experience, traditional and contemporary ideas of God, morality, death, and evil. Also listed as RS-201.

PL-202 Great Issues in World Philosophy **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
An examination of great philosophical works from several cultural traditions. The course uses original works from Western, Indian, and Chinese civilizations to focus on philosophical approaches to a cluster of "great issues" while putting the philosophers and their works in historical context.

PL-202H Great Issues in World Philosophy **Credits: 3**
Term Offered: Spring Term
Course Type(s): HO
Critical investigation of some of the critical ideas and arguments that have been defended and promoted by thinkers in a variety of cultures. Open only to students in the Honors Program.

PL-203 Philosophy of Language **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Investigation of questions about the concepts of language, meaning, and understanding. Consideration of some of the major contributions on these and related concepts.

PL-204 Existentialism **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Existentialism is about what it means to be an individual who has to create a meaning for his or her own life. Establish the context for existentialism within the history of philosophy as a whole, but also consider the impact that existentialist ideas have generally had in literature, art, and culture.

PL-205 Ethics and Literature **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Explore the nature of ethical problems and theories through philosophy and literature.

PL-210 Philosophy in Film **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
An introduction to philosophy using films in conjunction with traditional readings. Study some of the most important questions in the history of philosophy, such as: the nature of reality and its relationship to appearances, the nature of the self, human and artificial intelligence, the possibility of freedom, the nature of ethics, and the theory of meaning.

PL-211 Social and Political Philosophy **Credits: 3**
Course Type(s): None
Comparative study of the philosophical assumptions underlying significant Western conceptions of social order and community.

PL-212 The Christian Intellectual Tradition **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Students will explore the history of Christianity through some of its most provocative and significant "turning points." They will study both the historical context and the intellectual particulars of theological and philosophical debates over the origins of the universe, the humanity of Jesus Christ, the formation of the biblical canon, the nature of religious reformation, the nature of God, and the role of religion in public life. Also listed as RS-212.

PL-216 Religions and Philosophies of India **Credits: 3**
Term Offered: Spring Term
Course Type(s): BI.EL, CD, CC
Introduction to the fundamental elements of the orthodox and non-orthodox philosophical and religious systems of India. Highlights plurality of timeless distinct gnostic systems that, having discovered the "Self," search for liberation from the stream of time. Also listed as RS-216.

PL-250 History of Philosophy I **Credits: 3**
Course Type(s): None
The beginning of philosophical speculation in Ionia, its golden age in Athens, the Roman interlude, and the flourish and decline of medieval philosophy.

PL-260 Informal Logic **Credits: 3**
Term Offered: All Terms
Course Type(s): RD
An introduction to some of the most important principles of informal logic. Topics include: concepts, classification, definitions, propositions, argument structure, diagramming arguments, explanation, and fallacies.

PL-277 Comparative Religions **Credits: 3**
Term Offered: All Terms
Course Type(s): BI.EL, GU, RE
Students are introduced to the fundamental differences and similarities of world religions that, throughout history, were and are at war with each other. Highlights a plurality of distinct creeds that, postulating an Absolute Truth, search to regain that Ultimate Reality through various ways of life or moral codes. Also listed as RS-277.

PL-298 Special Topics in Philosophy (200 Level) **Credits: 1-3**
Term Offered: Spring Term
Course Type(s): None
An intensive study of a particular subject or problem in philosophy to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

PL-298H Special Topics in Philosophy (200 Level) **Credits: 1-3**
Term Offered: Spring Term
Course Type(s): HO
An intensive study of a particular subject or problem in philosophy to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. Only open to students in the Honors Program. If a prerequisite is required it will be announced in the course schedule.

PL-299 Independent Study in Philosophy **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Guided research on selected topics; conference with sponsoring professor. Prior permission of the directing professor and department chair is required to take this course.

PL-305 Philosophy of Art **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Place of beauty and art in human life; standards of taste and aesthetic experience; classical and contemporary theories.

PL-307 American Philosophy **Credits: 3**
Prerequisite(s): PL-101
Term Offered: Spring Term
Course Type(s): None
Classical and contemporary philosophical theories developed in the United States by such philosophers as Jonathan Edwards, Emerson, Royce, Santayana, James, Dewey, and Whitehead.

PL-316 The Modern Mind: From Descartes to the Present **Credits: 3**
Prerequisite(s): 3 credits in Philosophy
Term Offered: Spring Term
Course Type(s): None
A systematic study of the central theses of philosophers and philosophical schools from early Continental Rationalism and British Empiricism to the contemporary patterns of philosophical thought.

PL-324 American Political Thought **Credits: 3**
Prerequisite(s): PS-102 or PS-103
Course Type(s): PSAM
The development of political thought in the United States with emphasis on the late nineteenth- and twentieth-century philosophers and statesmen, along with the development of ideology of groups in American politics. Also listed as PS-324.

PL-340 Plato's Dialogues **Credits: 3**
Term Offered: Spring Term
Course Type(s): RD
A critical study of Plato's dialogues, with a particular emphasis on the role that reasoned oral discourse plays in these texts.

PL-350 Multicultural Ethics **Credits: 3**
Term Offered: Spring Term
Course Type(s): CD, RE
A study of some of the most influential authors in the history of ethical history, and also feminist and multicultural criticism of those classic sources.

PL-360 Philosophy and Literature **Credits: 3**
Term Offered: Spring Term
Course Type(s): RD
An exploration of the intersections of philosophy and literature with a particular focus on questions concerning the nature of authorship and moral authority.

PL-370 Multicultural Social and Political Philosophy **Credits: 3**
Term Offered: Spring Term
Course Type(s): CD, RE
A study of some of the most influential authors in the history of social and political philosophy, and also feminist and multicultural criticism of those classic sources.

PL-398 Special Topics in Philosophy (300 Level) **Credits: 1-3**
Course Type(s): None
An intensive study of a particular subject or problem in philosophy to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

PL-490 Seminar in Philosophy **Credits: 3**
Course Type(s): None
Selected topics in which participating students present and discuss research papers. Approval of the philosophy faculty at the recommendation of the instructor is required for the student to take this course.

PL-498 Special Topics in Philosophy (400 Level) **Credits: 1-3**
Term Offered: Spring Term
Course Type(s): None
An intensive study of a particular subject or problem in philosophy to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

PL-499 Individual Studies in Philosophy **Credits: 3**
Prerequisite(s): Junior standing, twelve credits of Philosophy, and prior permission of the directing professor and department chair
Term Offered: All Terms
Course Type(s): None
Guided research on selected topics; conference with sponsoring professor. Junior standing, twelve credits of Philosophy, prior permission of the directing professor and department chair is required to register for this class.

Physical Education (PE)

PE-103 Surfing **Credits: 1**
Term Offered: Summer Term
Course Type(s): OUTDR
Students will learn the basic skills, history, etiquette, and strategy of surfing. The main emphasis will be placed on skill acquisition with focus on specific movements and techniques important to surfing. The analysis of skills, etiquette, safety considerations, and strategy will be covered. This course is a physical activity skills course. Skills course: Outdoor Pursuits(Individual). This is a pass/fail course. To pass the course, students must earn the specified amount of points required in three evaluation categories: participation, performance assessment, and a teaching episode. Student must know how to swim and will be tested by the instruction on their swimming ability.

PE-104 Biking **Credits: 1**
Term Offered: Fall Term
Course Type(s): OUTDR
Students will learn the basic skills, safety, maintenance, and strategy for bike riding. The main emphasis will be placed on skill acquisition with focus on specific movements and techniques important to riding and maintaining a bike. The analysis of skills, rules, safety considerations, and strategy will be covered. This course is a physical activity skills course. Skills course: Outdoor Pursuits(Individual). This is a pass/fail course. To pass the course, students must earn the specified amount of points required in three evaluation categories: participation, performance assessment, and a teaching episode.

PE-105 Bowling **Credits: 1**
Term Offered: All Terms
Course Type(s): PERF
Students will learn the basic skills, history, rules and strategy for ten-pin bowling. The main emphasis will be placed on skill acquisition with focus on specific movements and techniques important to ten-pin bowling. The analysis of skills, rules, safety considerations, and strategy of play will be covered. This course is a physical activity skills course. Skills course: Individual-Performance Activities (individual). This is a pass/fail course. To pass the course, students must earn the specified amount of points required in three evaluation categories: participation, performance assessment, and a teaching episode.

PE-106 Target and Reaction Games **Credits: 1**
Term Offered: Spring Term
Course Type(s): OUTDR
Students will learn the basic skills, rules and strategies for a variety of target and reaction games. The course will help students develop skills and strategies in target games such as baggo, disc golf, and foot golf. Students will also apply concepts of positioning, anticipation, and decision-making in reaction games such as Rampshot, paddle slam, and KanJam. This course is a physical activity skills course. Skills course: Outdoor Pursuits (Dual). This is a pass/fail course. To pass the course, students must earn the specified amount of points required in three evaluation categories: participation, performance assessment, and a teaching episode.

PE-107 Pickleball **Credits: 1**
Term Offered: Spring Term
Course Type(s): PERF
Students will learn the basic skills, history, etiquette, and strategy of pickleball. The main emphasis will be placed on skill acquisition with focus on specific movements and techniques important to pickleball. The analysis of skills, etiquette, safety considerations, and strategy will be covered. This course is a physical activity skills course. Skills course: Individual-performance (Dual). This is a pass/fail course. To pass the course, students must earn the specified amount of points required in three evaluation categories: participation, performance assessment, and a teaching episode.

PE-110 Swimming **Credits: 1**
Term Offered: All Terms
Course Type(s): AQUA
Provides a comprehensive foundation for recreational swimming. Students will learn and practice skills associated with proper stroke development, water safety, and improved general fitness. This course is a physical activity skills course. Skills course: Aquatics (individual). This is a pass/fail course. To pass the course, students must earn the specified amount of points required in three evaluation categories: participation, performance assessment, and a teaching episode.

PE-112 Lifeguard Certification/Water Safety **Credits: 2**
Term Offered: All Terms
Course Type(s): AQUA
Lifeguard Certification and Water Safety will prepare the student to work as a pool lifeguard. Upon completing the course the student will be able to take American Red Lifesaving and Standard First Aid and CPR for the Professional Rescuer exams. If the student properly performs all required skills and passes all written examinations with a score of 80% or higher the student will earn the American Red Cross Lifeguard Certification. This course is a physical activity skills course. Skills course: Aquatics(Individual). This is a pass/fail course. Student must know how to swim and will be tested by the instruction on their swimming ability.

PE-116 Badminton **Credits: 1**
Term Offered: All Terms
Course Type(s): PERF
Learn basic skills, history, rules and strategy for a single and double game in badminton. This course is a physical activity skills course. Skills course: Individual-Performance Activities (dual). This is a pass/fail course. To pass the course, students must earn the specified amount of points required in three evaluation categories: participation, performance assessment, and a teaching episode.

PE-117 Social Dance I **Credits: 1**
Term Offered: All Terms
Course Type(s): RHYTH
Students will learn a comprehensive framework for exploring the various dimensions of dance and its significance in contemporary society. The main emphasis will be placed on skill acquisition with focus on specific movements and techniques to increase competence in dance and rhythmic activities. The analysis of skills, basic choreography, etiquette, and safety will be covered. This course is a physical activity skills course. Skills course: Dance/Rhythmic Activities. This is a Pass/Fail course. To pass the course, students must earn the specified amount of points required in three evaluation categories: participation, performance assessment, and a teaching episode. Also listed as DA-117. This is a pass/fail course.

PE-118 Social Dance II **Credits: 1**
Term Offered: Spring Term
Course Type(s): RHYTH
Provides a comprehensive foundation for both men and women to successfully perform on any social dance floor. Students will learn introductory steps of the Hustle, Salsa, and Tango. Intermediate/advanced skills of the Viennese Waltz, Foxtrot, and East Coast Swing will be taught. A minimum of eight step patterns per dance will be introduced. Students will practice dance etiquette and social skills, leading to increased confidence for social dancing and improved fitness. In addition, "partner" dance positions and keeping music tempos will be addressed. This course is a physical activity skills course. Skills course: Rhythmic (dual). To pass the course, students must earn the specified amount of points required in three evaluation categories: participation, performance assessment, and a teaching episode. This is a pass/fail course. Also listed as DA-118.

PE-119 Golf I **Credits: 1**
Term Offered: All Terms
Course Type(s): PERF, OL, HY
Introduces the basic golf fundamentals, such as basic swings, equipment, rules, terms of the game, drills, etiquette, and playing the course. This course is a physical activity skills course. Skills course: Individual-Performance Activities (individual). This is a pass/fail course. To pass the course, students must earn the specified amount of points required in three evaluation categories: participation, performance assessment, and a teaching episode.

PE-122 Ultimate Frisbee **Credits: 1**
Course Type(s): GAMES
Students will learn the basic skills, history, rules and strategy for ultimate frisbee. The main emphasis will be placed on skill acquisition with focus on specific movements and techniques important to game play. The analysis of skills, rules, safety considerations, and strategy of play will be covered. This course is a physical activity skills course. Skills course: Games and Sports (team). This is a pass/fail course. To pass the course, students must earn the specified amount of points required in three evaluation categories: participation, performance assessment, and a teaching episode.

PE-125 Tennis **Credits: 1**
Course Type(s): PERF
Students will learn the basic skills, history, rules and strategy for a singles and doubles game in tennis. The main emphasis will be placed on skill acquisition with focus on specific movements and techniques important to game play. The analysis of skills, rules, safety consideration and strategy of play will be covered. This course is a physical activity skills course. Skills course: Individual-Performance Activities (dual). This is a pass/fail course. To pass the course, students must earn the specified amount of points required in three evaluation categories: participation, performance assessment, and a teaching episode.

PE-127 Volleyball **Credits: 1**
Course Type(s): GAMES
Students will learn the basic skills, history, rules and strategy for playing the team sport of volleyball. The main emphasis will be placed on skill acquisition with focus on specific movements and techniques important to game play. The analysis of skills, rules, safety consideration and strategy of play will be covered. This course is a physical activity skills course. Skills course: Games and Sports (team). This is a pass/fail course. To pass the course, students must earn the specified amount of points required in three evaluation categories: participation, performance assessment, and a teaching episode.

PE-128 Yoga **Credits: 1**
Term Offered: All Terms
Course Type(s): FIT, HY, OL
Students will learn and practice basic styles of Hatha Yoga. A combination of asanas (physical postures), breathing techniques and relaxation/meditation methods will help students improve fitness levels, reduce stress and enhance mind-body awareness. Emphasis will be placed on proper body alignment and exercise safety. This course is a physical activity skills course. Skills course: Rhythmic (individual). This is a pass/fail course. To pass the course, students must earn the specified amount of points required in three evaluation categories: participation, performance assessment, and a teaching episode.

PE-130 Basketball **Credits: 1**
Term Offered: All Terms
Course Type(s): GAMES
Students will learn the basic skills, history, rules and strategy for playing the team sport of basketball. The main emphasis will be placed on skill acquisition with focus on specific movements and techniques important to game play. The analysis of skills, rules, safety consideration and strategy of play will be covered. This course is a physical activity skills course. Skills course: Games and Sports (team). This is a pass/fail course. To pass the course, students must earn the specified amount of points required in three evaluation categories: participation, performance assessment, and a teaching episode.

PE-131 Soccer **Credits: 1**
Term Offered: All Terms
Course Type(s): GAMES
Students are provided with learning experiences that will serve as a basic foundation for teaching the team sport of soccer. The main emphasis will be placed on skill acquisition with focus on specific movements and techniques important to game play. The analysis of skills, rules, safety consideration and strategy of play will be covered. This course is a physical activity skills course. Skills course: Games and Sports (team). This is a pass/fail course. To pass the course, students must earn the specified amount of points required in three evaluation categories: participation, performance assessment, and a teaching episode.

PE-132 Softball **Credits: 1**
Term Offered: Fall Term
Course Type(s): GAMES
Students will learn the basic skills, history, rules and strategy for playing the team sport of softball. The main emphasis will be placed on skill acquisition with focus on specific movements and techniques important to game play. The analysis of skills, rules, safety consideration and strategy of play will be covered. This course is a physical activity skills course. Skills course: Games and Sports (team). This is a pass/fail course. To pass the course, students must earn the specified amount of points required in three evaluation categories: participation, performance assessment, and a teaching episode.

PE-142 Pilates **Credits: 1**
Term Offered: All Terms
Course Type(s): FIT
Students will apply the principles of Pilates exercises to improve the strength, flexibility and endurance of the core muscles. Consistent Pilates exercise practice will help to improve posture, balance, and coordination; relieve pain and tension; and enhance athletic performance. Students will learn and practice the proper form and technique for a variety of Pilates exercises. Emphasis will be placed on proper body alignment, mind-body awareness and exercise safety. This course is a physical activity skills course. Skills course: Fitness (Individual). This is a pass/fail course. To pass the course, students must earn the specified amount of points required in three evaluation categories: participation, performance assessment, and a teaching episode.

PE-143 Endurance Running **Credits: 1**
Course Type(s): FIT, OL, HY
Working together to develop and achieve individual endurance running goals while cultivating a life-long love of running in a low-stress, social atmosphere. Pre-and post-run discussions focus on select topics about the history, science, and culture of running. This course is a physical activity skills course. Skills course: Fitness (individual). This is a pass/fail course. To pass the course, students must earn the specified amount of points required in three evaluation categories: participation, performance assessment, and a teaching episode.

PE-144 T'ai Chi **Credits: 1**
Term Offered: All Terms
Course Type(s): FIT, HY, OL
Students will improve health, mental focus and overall well-being through the practice of QiGong and T'ai Chi. Often called "meditation in motion," this ancient Chinese form of exercise blends graceful flowing movements with breathing and relaxation techniques. Students will learn proper form and technique for a variety of movements, eventually combining them into a simplified adaptation of the Yang Short form of T'ai Chi. Particular emphasis will be placed on the use of T'ai Chi and QiGong to reduce stress and anxiety. This course is a physical activity skills course. Skills course: Fitness Activity.)Individual).This is a pass/fail course. To pass the course, students must earn the specified amount of points required in three evaluation categories: participation, performance assessment, and a teaching episode.

PE-156 High Intensity Interval Training **Credits: 1**
Term Offered: Spring Term
Course Type(s): FIT
Learn about and practice low and high intensity cardiorespiratory activities. Activities will also focus on flexibility, muscular endurance and strength. This course is a physical activity skills course. Skills course: Fitness This is a pass/fail course. To pass the course, students must earn the specified amount of points required in three evaluation categories: participation, performance assessment, and a teaching episode.

PE-161 Self Defense **Credits: 1**
Term Offered: All Terms
Course Type(s): PERF
Designed to give the student an opportunity to experience physical activity through martial arts training at an introductory level. This course is a physical activity skills course. Skills course: Individual-Performance Activities (Individual). This is a pass/fail course. To pass the course, students must earn the specified amount of points required in three evaluation categories: participation, performance assessment, and a teaching episode.

PE-163 Weight Training **Credits: 1**
Term Offered: All Terms
Course Type(s): FIT
Students will develop and practice an individualized, weight-training program using free weights and resistance machines. Proper training techniques, exercise safety and improvement of health and fitness will be emphasized. This course is a physical activity skills course. Skills course: Fitness (Individual). This is a pass/fail course. To pass the course, students must earn the specified amount of points required in three evaluation categories: participation, performance assessment, and a teaching episode.

PE-198 Special Topics in Physical Education **Credits: 1**
Term Offered: All Terms
Course Type(s): None
An intensive study of a particular subject in physical education to be announced prior to registration. If a prerequisite is required it will be announced in the course schedule.

PE-199 Independent Study in Physical Education **Credits: 1**
Course Type(s): None
Focus on an area in Physical Education under the direction of a Physical Education faculty member. Prior permission of the directing professor and department chair is required to take this course.

PE-201 First Aid/CPR/AED Certification **Credits: 2**
Term Offered: All Terms
Course Type(s): PERF
Safety problems that affect the individual, the community, and the nation: a standard course in first aid, including adult, child, and infant First Aid/CPR/AED. If the student attends all courses, properly performs all required skills and passes all written examinations, the student will earn the American Red Cross Adult/Child/Infant First Aid/CPR/AED Certification. This course is a physical activity skills course. Skills course: Individual-Performance Activities (Individual). This is a pass/fail course.

PE-203 Instructional Strategies in Physical Education and Health **Credits: 3**
Term Offered: Spring Term
Course Type(s): HEPE
This course is designed to introduce future professionals to effective teaching strategies and skills within the context of physical education and health. Grounded by national and state teaching standards, this course emphasizes academic language, curricular models, instructional styles, short- and long-term planning and implementation, instructional and managerial skills reflective practices, and professional responsibility. Lecture sessions are focused upon conceptual foundations of teaching physical education and health. Laboratory sessions devoted to "hands-on," practical applications and observational assessment of lecture concepts in a controlled environment with peers and children.

PE-215 Fitness Concepts and Measurements **Credits: 3**
Term Offered: All Terms
Course Type(s): HE.EL, HEPE
A comprehensive study of fitness components to include scientific principles and practical applications of exercise to promote a healthy lifestyle. Particular emphasis will be placed on the analysis of personal fitness in regards to fitness components, and will lead to the creation and implementation of a personalized exercise program. Delivered in a lecture/practical performance format.

PE-222 International Outdoor Adventure Education **Credits: 3**
Term Offered: Spring Term
Course Type(s): FLT, GU, HE.EL, HEPE, OUTDR
This faculty-led study abroad course is designed to introduce students to a variety of outdoor adventure activities in foreign countries while promoting cultural and global understanding. Lecture sessions at Monmouth University in the beginning of the course will highlight content knowledge related to outdoor adventure education, the theories and best practices for developing an outdoor adventure program, and students will explore their individual and collective responsibilities through analytical, practical, or creative responses to issues facing a globally interconnected society. While abroad, students will experience and reflect upon similarities and differences between a host of issuers (i.e., customs, norms, historical influences, language, religion, standard of living, food, art, music, dance, etc.) within the United States and the destination country. Students will describe how they see themselves within the context of that diversity and explore opportunities to interact in a global world. Student must pay additional travel expenses. This course also counts as a Physical Activity Skills Course. Skills Course: Outdoor Pursuits (Individual).

PE-290 Open Water Scuba Certification Course **Credits: 2**
Course Type(s): MEBP, OUTDR
The Open Water Scuba Certification course entails completion of the Professional Association of Diving Instructors (PADI) Open Water Diver course, the world's most popular scuba course. Completion of this course leads to PADI scuba certification as an open water diver. This course is a physical activity skills course. Skills course: Outdoor Pursuits(Individual). This is a pass/fail course. Limited to 8 students. Also listed as BY-290.

PE-310 Sport and Exercise Psychology **Credits: 3**
Prerequisite(s): EN-101, EN-102, and PY-103
Term Offered: All Terms
Course Type(s): HE.EL, HEPE, WT
Explores the psychological determinants and consequences of physical activity, with an emphasis on psychological factors relevant to enhancing sport performance. Students will also analyze key theories in exercise psychology in order to understand exercise's influence on psychological health outcomes.

PE-320 Exercise Physiology **Credits: 3**
Prerequisite(s): BY-111 or BY-211 and BY-112 or BY-212 and 3 credits from subject MA except MA-050, MA-100 and MA-103
Term Offered: All Terms
Course Type(s): HE.EL
A scientific foundation for understanding the physiological response and adaptation to exercise training. A comprehensive study of basic theories and practical applications of exercise physiology principles to physical education and sports performance. Focus on metabolic, cardiovascular-respiratory, neuromuscular-skeletal and endocrine systems as they relate to acute and chronic responses to exercise. Environmental concerns, cardiovascular disease risk factors and the immune response to exercise.

PE-330 Biomechanics and Kinesiology **Credits: 3**
Prerequisite(s): MA-105 or higher and BY-111 or BY-211 and BY-112 or BY-212
Term Offered: All Terms
Course Type(s): HE.EL
Introduction to the major principles of biomechanics, providing students with foundational knowledge that allows for the systematic analysis of human movement. Emphasis is placed on analyzing key forces and movement in the context of sport and exercise.

PE-340 Motor Development and Learning **Credits: 3**
Prerequisite(s): BY-111, BY-112 and 3 credits in Math except MA-050, MA-100, MA-101 or MA-103
Term Offered: All Terms
Course Type(s): HE.EL
Introduces students to the fundamental concepts of motor learning and development changes in human movement that occur over the lifespan. Basic research findings and applications of general human growth principles are discussed in relation to the development and acquisition of motor skills. Emphasis will also be placed on theoretical foundations for understanding motor learning principles that can be applied to the teaching and learning of physical activities.

PE-350 School-Based Physical Activity **Credits: 4**
Term Offered: Fall Term
Course Type(s): EX3, HE.EL, HEPE
This experiential education service learning course is designed to introduce students to best practices for promoting physical activity in school-based programs in accordance with theoretical frameworks and empirical evidence associated with movement competencies, physical activity engagement, and prosocial skills for children. Lecture sessions will highlight pedagogical content knowledge related to the facilitation of standards-based, developmentally-appropriate developmentally-appropriate physical activity opportunities for children. Service learning sessions will provide opportunities for students to apply content via planning and facilitating physical activity in a school-based program.

PE-351 Prevention and Care of Athletic Injuries **Credits: 3**
Term Offered: All Terms
Course Type(s): HE.EL, HEPE
Basic information and skills for the care and prevention of athletic injuries.

PE-360 Principles of Coaching **Credits: 3**
Term Offered: All Terms
Course Type(s): HE.EL, HEPE, HY, OL
A comprehensive introduction to the principles, knowledge, and skills that support effective coaching decisions and actions. This course combines national standards, sport science theory and research findings, with practical knowledge and best practices of expert coaches related to the five essential categories of coaching education and professional practice. An emphasis will be placed on the principles of coaching, behavior, teaching, physical training, and management. Ten hours of volunteer/observation are required in a local youth sport environment which can be completed across weekdays and weekends.

PE-370 Strength and Conditioning Techniques **Credits: 3**
Term Offered: All Terms
Course Type(s): HE.EL, HEPE
This course is designed to prepare students for a career in a fitness, wellness, and exercise-science field. Lecture and laboratory sessions provide students with a hands-on approach to identifying exercises from different training modalities, developing proper exercise technique, selecting appropriate equipment/technology, and applying this information to best practices in teaching and coaching. The course contents include fundamental applications of exercise techniques which are relevant to careers in coaching, exercise science, health & fitness, rehabilitation as well as strength training and conditioning. Emphasis will be placed on weight training and Olympic lifting, body weight and implement training, balance and instability training, corrective exercise, ballistic training, speed and agility training, plyometric training, flexibility training, and facility design. This course helps prepare students for applied segments of certification exams, i.e. the Certified Strength and Conditioning Specialist exam offered by the National Strength and Conditioning Association.

PE-389 Internship in Health and Physical Education **Credits: 1-3**
Term Offered: All Terms
Course Type(s): EX1, HE.EL, HEPE
Supervised, pre-professional field experience in health and physical education. The student will secure an internship site related to his/her interests and career goals. Potential internship sites include health and fitness clubs, community wellness agencies, coaching opportunities, hospitals, corporations, and private services. The student will work fifty hours per credit per term at his/her internship site. Students are required to obtain a faculty sponsor, develop learning objectives at the start of their internship, keep a journal of their internship activities throughout their placement, and write a final paper reflecting upon their internship experience. Also listed as HE-389. This is a pass/fail course. Junior standing (and others by permission of a faculty advisor), placement opportunity and approval by the Health and Physical Education Department are required to take this course. Limited to Physical Education majors only. Satisfies the Experiential Education General Education requirement.

PE-398 Special Topics in Physical Education **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
An intensive study of a particular subject or problem in physical education to be announced prior to registration. If a prerequisite is required it will be announced in the course schedule.

PE-399 Independent Study in Physical Education **Credits: 1-3**
Term Offered: Summer Term
Course Type(s): None
Reading and research on a selected topic under the direction of a Physical Education faculty member. Prior permission of the directing professor and department chair is required to take this course.

PE-410 Exercise Testing and Prescription **Credits: 4**
Prerequisite(s): HE-101, PE-320 and PE-330
Term Offered: All Terms
Course Type(s): HEPE
Provides the foundation of knowledge and skills necessary for assessing the health and physical fitness profile and developing effective exercise programs for healthy individuals and those with controlled chronic diseases.

PE-411 Adapted Physical Education and Health **Credits: 3**
Term Offered: Fall Term
Course Type(s): CD, HE.EL, HEPE
This course introduces students to best practices for teaching individuals with disabilities skills related to health and physical education. Provides basic information on disabling conditions and on how to provide adapted physical education and health programs based upon an individual's assessed needs. It will also introduce students to best teaching practices for providing access to physical education and health curriculum for students with disabilities in inclusive settings. A clinical experience is an integral part of the course providing in school settings to gain practical experience in screening and assessment; identification, selection, and prescription of appropriate exercise programs and in teaching health to students with disabilities. Travel to and from the clinical site is the responsibility of the students.

PE-489 Internship in Health and Physical Education **Credits: 1-3**
Term Offered: Summer Term
Course Type(s): EX1
Supervised, pre-professional field experience in health and physical education. The student will secure an internship site related to his/her interests and career goals. Potential internship sites include health and fitness clubs, community wellness agencies, coaching opportunities, hospitals, corporations, and private services. The student will work 50 hours per credit per term at his/her internship site. Students are required to obtain a faculty sponsor, develop learning objectives at the start of their internship, keep a journal of their internship activities throughout their placement, and write a final paper reflecting upon their internship experience. Limited to Physical Education majors only. Satisfies the Experiential Education General Education requirement. This is a pass/fail course.

PE-499 Independent Study in Physical Education **Credits: 1-3**
Course Type(s): None
Reading and research on a selected topic under the direction of a Physical Education faculty member. Prior permission of the directing professor and department chair is required to take this course.

Physics (PH)

PH-101 Physics in Our Lives **Credits: 3**
Term Offered: All Terms
Course Type(s): NS
Presents major concepts and methodologies in physics and their importance in today's society. Introduction to principles of physics and their applications to today's technology using lectures and demonstration.

PH-103 The Physics of Sound and Music **Credits: 3**
Term Offered: All Terms
Course Type(s): NS
Presents the topics of sound and music from a physics point of view. Covered topics are harmonic motion, waves (both traveling and standing), the human voice and ear, the production of music and musical scales and the physics of several representative instruments.

PH-105 Physics for the Life Sciences I **Credits: 3**
Prerequisite(s): MA-101 or MA-109 or MA-115 or higher Math courses passed with grade of C- or higher.
Co-requisite(s): PH-105L
Term Offered: All Terms
Course Type(s): NS
An introduction to classical physics intended primarily for students majoring in the life sciences. Topics include: mechanics, dynamics, heat, electricity, magnetism, and optics.

PH-105L Physics for the Life Sciences I Laboratory **Credits: 1**
Co-requisite(s): PH-105
Term Offered: All Terms
Course Type(s): None
Laboratory work to complement PH-105. Experiments in the fields of statics, dynamics, energy, momentum, heat, sound, electricity, magnetism, optics, and spectroscopy. Three hours per week.

PH-106 Physics for the Life Sciences II **Credits: 3**
Prerequisite(s): PH-105 and PH-105L both passed with a grade of C- or higher
Co-requisite(s): PH-106L
Course Type(s): NS
An introduction to classical physics intended primarily for students majoring in the life sciences. Topics include, mechanics, dynamics, heat, electricity, magnetism, and optics.

PH-106L Physics for the Life Sciences II Laboratory **Credits: 1**
Co-requisite(s): PH-106
Course Type(s): None
Laboratory work to complement PH-106. Experiments in the fields of sound, electricity, magnetism, optics, and spectroscopy. Three hours per week.

PH-150 Principles of Astronomy **Credits: 3**
Term Offered: All Terms
Course Type(s): NS
The historical development of astronomy and the modern concepts of the universe, including demonstrations and viewing sessions with optical telescopes.

PH-199 Independent Study in Physics **Credits: 1**
Term Offered: All Terms
Course Type(s): None
Guided study of a selected topic in physics not substantially treated in a regular course, under the direction of a member of the Physics faculty. Prior permission of the directing professor and department chair is required to take this course.

PH-211 General Physics with Calculus I **Credits: 3**
Prerequisite(s): MA-116 or MA-125
Co-requisite(s): PH-211L
Term Offered: Fall Term
Course Type(s): NS
The first of a two-semester sequence of courses that, taken together, provide a thorough introduction to classical physics using calculus. Topics covered include: one- and two-dimensional motion, Newton's laws and their applications, energy, momentum and impulse, rotational mechanics, and thermodynamics.

PH-211L General Physics with Calculus I Laboratory **Credits: 1**
Co-requisite(s): PH-211
Term Offered: Fall Term
Course Type(s): None
Laboratory experiments to complement the topics covered in PH-211. Includes experiments in statics, dynamics, and thermodynamics.

PH-212 General Physics with Calculus II **Credits: 3**
Prerequisite(s): PH-211 and PH-211L passed with a grade of C- or higher.
Co-requisite(s): PH-212L
Term Offered: Spring Term
Course Type(s): NS
The second of a two-semester sequence of courses that, taken together, provide a thorough introduction to classical physics using calculus. Topics covered include: sound and wave mechanics, electrostatics, circuits, magnetic forces and fields, Faraday's Law, reflection and refraction, and optics.

PH-212L General Physics with Calculus II Laboratory **Credits: 1**
Co-requisite(s): PH-212
Term Offered: Spring Term
Course Type(s): None
Laboratory experiments to complement the topics covered in PH-212. Includes experiments in sound, electricity, magnetism, circuits, and optics.

PH-270 Physical Oceanography **Credits: 3**
Prerequisite(s): BY-109, CE-111, CE-111L, CE-112, and CE-112L
Term Offered: Fall Term
Course Type(s): MEBP
Physical Oceanography provides a survey of physical, chemical and geological processes that define and affect the coastal ocean including ocean basins, beach formation and dynamic ocean processes(currents, waves, wind, weather). Environmental considerations include the role of the ocean in the association with global climate change issues, problems associated with coastal development, exploitation of marine resources, and ocean and coastal pollution.

PH-298 Special Topics in Physics (200 Level) **Credits: 1-3**
Term Offered: Spring Term
Course Type(s): None
An intensive study of a particular subject or problem in physics to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

PH-299 Independent Study in Physics **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
Guided study of a selected topic in physics not substantially treated in a regular course, under the direction of a member of the Physics faculty. Prior permission of the directing professor and department chair is required to take this course.

PH-311 Theoretical Physics **Credits: 3**
Prerequisite(s): PH-212 passed with a grade of C- or higher
Term Offered: All Terms
Course Type(s): None
Presents physics topics aimed at the advanced undergraduate level. The subjects range over classical mechanics, electromagnetism, and statistical mechanics, with explicit links made to topics from PH-301. The course is calculus-based, and seeks to round out the physics education of physics minors.

PH-312 Modern Physics **Credits: 3**
Prerequisite(s): PH-311 passed with a grade of C- or higher
Term Offered: Spring Term
Course Type(s): None
Topics from physics of the twentieth century, including special relativity, the origins of quantum theory, quantum mechanics, atomic structure, nuclear physics, and elementary particles.

PH-350 Research in Physics **Credits: 1-3**
Term Offered: All Terms
Course Type(s): EX5
Original research work, carried out under the mentorship of a faculty research advisor. Research conducted by the students may be submitted for presentation, publication, or review, as appropriate. The number of course credits will be determined by arrangement with the advisor. Three hours/week per credit, 1-3 credits.

PH-399 Independent Study in Physics **Credits: 1-3**
Term Offered: Spring Term
Course Type(s): None
Reading and research on a selected topic under the direction of a Physics faculty member. Prior permission of the directing professor and department chair is required to take this course.

PH-499 Independent Study in Physics (400 Level) **Credits: 1-3**
Course Type(s): None
Reading and research on a selected topic under the direction of a Physics faculty member. Three hours per week per credit. Prior permission of the directing professor and department chair is required to take this course.

Political Science (PS)

PS-102 International Relations **Credits: 3**
Term Offered: All Terms
Course Type(s): GU, SS.SV
The major theoretical concepts and issues of international relations, emphasizing theories, actors, structures, ideologies, and environment of international politics.

PS-103 American National Government **Credits: 3**
Term Offered: All Terms
Course Type(s): SS.SV
A survey of United States government, emphasizing the Constitution, functions of political parties, pressure groups, the relationships of citizens to the government, the development of administrative control, and problems unique to each of the three branches of government.

PS-104 Introduction to Policy Debate **Credits: 3**
Term Offered: Fall Term
Course Type(s): PSPA
This course is designed to introduce students to the activity of policy debate competition. Students will develop research and organizational skills, learn how to deliver and refute arguments, and will participate in classroom debate scrimmages in preparation for weekend long off campus debate tournaments against students from other universities.

PS-105 Introduction to Public Policy **Credits: 3**
Term Offered: All Terms
Course Type(s): PO, PSPA, SS.SV
Analysis of policy-making processes in American society, including health care, the environment, education, crime, and employment; application of competing perspective and value orientation to policy areas; impact on specific groups within American society and the global community.

PS-107 Introduction to Social Justice **Credits: 3**
Term Offered: All Terms
Course Type(s): SS.SV
Provides a conceptual and practical basis to understand, interpret, and solve social problems in fair, equitable, and just ways. Also listed as SO-107.

PS-108 Model United Nations **Credits: 3**
Term Offered: All Terms
Course Type(s): RD
International relations is a subfield of political science that examines the nature of power and its distribution around the world. Scholars interested in international relations have developed a variety of simulations to seek greater understanding of state behavior. This course will simulate the policies and procedures of the dominant organs of the United Nations in order to gain a greater understanding of international issues like climate change, terrorism, humanitarian aid, international trade and commerce, and war and peace.

PS-109 Civic Engagement and Leadership **Credits: 1**
Term Offered: Spring Term
Course Type(s): None
Civic responsibility, engagement, and leadership are encouraged through active student involvement in a community or campus organization. Students will perform twelve hours of public service over the course of the semester working for an organization that addresses a particular issue of public concern. Also listed as SO-109.

PS-198 Special Topics in Political Science (100 Level) **Credits: 1-3**
Term Offered: Spring Term
Course Type(s): None
An intensive study of a particular subject or problem in political science to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

PS-199 Reading and Research in Political Science **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
Guided study of a topic in political science not substantially treated in a regular course, under the direction of a member of the political science faculty. Extensive reading and at least one written report are required. Prior permission of the directing professor and department chair is required to take this course.

PS-202 State and Local Government **Credits: 3**
Prerequisite(s): PS-102 or PS-103; and EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): PSAM, WT
A comparative study of state, local, and suburban politics in the United States with special emphasis on New Jersey and the New Jersey-New York metropolitan area.

PS-211 Legal Analysis and Writing **Credits: 3**
Prerequisite(s): PS-102 or PS-103
Term Offered: Fall Term
Course Type(s): PSAL
This course focuses on the fundamentals of legal analysis and writing. Effective legal analysis and writing are key skills required to succeed in law school and the legal profession. Students will understand the role of an attorney, analyzing their client's legal issue, drafting various pieces of legal writing, including legal memorandum and briefs, and arguing their client's case orally. Students will learn both objective legal analysis and persuasive legal writing and arguing skills.

PS-212 Workshop in NJ's County Pre-Trial Prosecution System: Legal and Political Aspects **Credits: 3**
Term Offered: Spring Term
Course Type(s): PSAL, PSAM
Legal and political analysis of New Jersey's pretrial prosecution process. The roles, pressures, attitudes, and strategies of the county prosecution system personnel will be subjects for field research seminar study.

PS-221 Early Political Thought **Credits: 3**
Prerequisite(s): PS-102 or PS-103; and EN-101 and EN-102 or permission of the instructor
Term Offered: Fall Term
Course Type(s): WT
Consideration of the major political theories of the Western world and their relevance to contemporary politics. Semester I: Plato to Marx. Semester II: later nineteenth-and twentieth-century political thinkers, with special emphasis on the behavioral school.

PS-222 Modern Political Thought **Credits: 3**
Prerequisite(s): PS-102 or PS-103; and EN-101 and EN-102 or permission of the instructor
Term Offered: Spring Term
Course Type(s): WT
Consideration of the major political theories of the Western world and their relevance to contemporary politics. Semester I: Plato to Marx. Semester II: later nineteenth- and twentieth-century political thinkers, with special emphasis on the behavioral school.

PS-223 Introduction to Global Sustainability **Credits: 3**
Term Offered: Fall Term
Course Type(s): MEBP, SUS
Introduces students to the global, environmental, economic and social foundations of sustainability and the policy and scientific challenges involved with accommodating population growth, development, and resources used while assuring that future generations will have the natural and economic resources to support an enhanced quality of life. An emphasis will be placed on understanding of sustainability principles from multiple perspectives and cross-disciplinary application of sustainable practices. Also listed as BY-221.

PS-224 Theories of Political Economy **Credits: 3**
Prerequisite(s): EN-101 and EN-102 and PS-102 or PS-103
Course Type(s): WT
Theories of political economy studies the intersection of the state (politics) and markets (economy) to explain policy outcomes (student loans, sin taxes, agricultural subsidies, trade rules, etc.) as well overall economic development of nations. Economists assume a world of rational individuals pursuing their self-interest through markets - i.e., Adam Smith's "invisible hand" - while political scientists assume a world of rational actors seeking to maximize their political power. Combined, political economy presents a world in which political actors are influenced, guided and constrained by markets, budget constraints, and resource scarcity while economic markets reflect political power relationships surrounding property rights, contract enforcement, regulations, and tax rules. Drawing the line between state/public and market/private is a political process yet one with clear economic consequences. Take the example of healthcare. Two possibilities exist - private (market-based) or public (state-based) - and the choice boils down to a political process (i.e., executive, legislative and judicial branches plus interest groups) occurring in a context influenced by market constraints (i.e., costs, budget constraints, scarcity, taxes, and insurance).

PS-240 Environmental Ethics **Credits: 3**
Term Offered: All Terms
Course Type(s): PSIP
This course will examine the ethical arguments/repercussions related to the environment. Topics will include the principles involved in combatting environmental problems such as pollution, loss of species and habitats, climate change, environmental justice, food insecurity, and economic and political impacts. As the environment faces a growing number of threats from human activities these core issues are becoming increasingly important. The purpose and importance of this course is to create a learning environment that stresses the understanding of ethics, its development as a major field, and its necessary role in understanding the environment.

PS-250 Fundamentals of Social Science Research **Credits: 3**
Term Offered: All Terms
Course Type(s): TL
An introduction to the different ways in which social scientists study the social world. Designed to develop students' understanding of the major purposes of social research as well as the major types of quantitative and qualitative research designs. Students will learn the research process itself, from conceptualization and measurement to operationalization, sampling, ethics, and the analysis and presentation of their proposed study. As part of the research process, students will use spreadsheet, presentation, and word processing software to build datasets, analyze data, and design and present research. Also listed as SO-250. Sociology majors should register for SO-250. This course is for Political Science majors only or other majors with instructor consent.

PS-274 Global Inequalities **Credits: 3**
Prerequisite(s): SO-101 or PS-102
Term Offered: All Terms
Course Type(s): BI.EL, GLS, GU, RE, SJS, SUS
A sociological and political look at global inequalities. Explores diverse themes and aspects of a global society, including the forces that are causing and perpetuating global inequalities. It also looks at the social, political, economic, and cultural consequences of those inequalities. Also listed as SO-274.

PS-275 Politics and Policy of Latin America **Credits: 3**
Term Offered: All Terms
Course Type(s): PSCG, PSPA, RE
Introduces students to the critical political issues and challenges in Latin America, a geographic region that includes Mexico, Central America, the Caribbean and South America. Hemisphere integration continues to accelerate, and political developments south of the border increasingly impact the United States. Immigration, trade, drugs, and the environment require hemisphere collaboration among a diverse set of peoples and governments. Surveys contemporary politics and economics, as well as the basic regional history in a way that invites comparison and the development of regional (Southern Cone, Andean Region, Central America, Caribbean) and hemispheric perspectives on the challenges linked to hemispheric integration.

PS-277 Gender and Politics **Credits: 3**
Term Offered: Spring Term
Course Type(s): GS, PSAM
The study of gender and how it relates to politics. Includes an analysis of the women's movement through historical literature by and about women. Also includes feminist and gender theories, the mass behavior of women, elite women, and public policy as it relates to women's issues.

PS-278 International Political Economy **Credits: 3**
Prerequisite(s): PS-102
Term Offered: All Terms
Course Type(s): GLS, PSIP, RE
The role that international institutions, transnational actors, and foreign governments play in the production, distribution, and consumption of resources will be investigated. Since much of international political economy has to do with various thinkers and schools of thought, an appropriate emphasis will be given to some of the important works in the field. For example, we will be analyzing the contributions of Liberal, Marxist, and Statist thinkers and the various perspectives that have been used to analyze the way policies are made, agreements are reached, and resources distributed. Following the establishment of this theoretical framework, we will focus on the growth of regional integration, the role of hegemony in maintaining the stability of international systems, strategies of economic development, and the role of multinational and transnational companies in both the industrial and developing world. In essence, this course is concerned with looking at the relationship between power and wealth and the balance between the state and the market. Also listed as SO-278.

PS-288 Cooperative Education: Political Science **Credits: 3**
Prerequisite(s): PS-102 or PS-103
Term Offered: Spring Term
Course Type(s): EX2
Through actual work experience, connects classroom learning and real-world practice. Under the guidance of a faculty advisor, students select a cooperative placement. Students will spend ten to fifteen hours per week at their placement. Departmental approval is required to take this course. Repeatable for credit.

PS-289 Political Science Internship **Credits: 3**
Prerequisite(s): PS-102 or PS-103 and the completion of sixty credits
Term Offered: Spring Term
Course Type(s): EX1
An internship in a political office. The student will keep a daily log and develop a research topic on the basis of the log and experience. By working an eight-hour day from Monday through Friday, the intern will develop firsthand knowledge of a state or local office and will secure an experience rating for future positions after graduation. Departmental approval is required to take this course.

PS-290 Media Law **Credits: 3**
Term Offered: All Terms
Course Type(s): PSAL
How the mass media is constrained and protected by the law and court interpretation. Overview will focus on libel, copyright, obscenity, free press, and other legal/illegal aspects. Also listed as CO-290.

PS-298 Special Topics in Political Science (200 Level) **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
An intensive study of a particular subject or problem in political science to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

PS-299 Reading and Research in Political Science **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
Guided study of a topic in political science not substantially treated in a regular course, under the direction of a member of the political science faculty. Extensive reading and at least one written report are required. Prior permission of the directing professor and department chair is required to take this course.

PS-301 Political Parties and Elections **Credits: 3**
Prerequisite(s): PS-102 or PS-103
Term Offered: Spring Term
Course Type(s): PSAM
Historical and functional analysis of United States political parties; the workings of party machinery and practical politics, including national, state, and local party activities, election procedures, third party movements, interest groups, and public opinion.

PS-302 Data Analysis for the Social Sciences **Credits: 3**
Prerequisite(s): PS-250 or SO-250
Term Offered: Spring Term
Course Type(s): None
Introduces students to techniques used to evaluate social science data; addresses strategies for analyzing qualitative data and presents social science applications of quantitative techniques such cross tabulation, t-test, and regression. Students will learn to apply procedures to test hypotheses. Also listed as SO-302.

PS-304 Public Opinion and Propaganda **Credits: 3**
Prerequisite(s): PS-102 or PS-103
Course Type(s): None
The effects of mass communications upon political opinion, control of news, dissemination agencies, propaganda techniques, and pressure groups; the role of opinion polls and survey techniques.

PS-305 The American Congress **Credits: 3**
Prerequisite(s): PS-102 or PS-103
Term Offered: All Terms
Course Type(s): PSAM
An analysis of the structure, organization, and functioning of Congress; the relationship between Congress and the executive and judicial branches of government, the importance of the Congressional investigative powers and of quasi-legislative agencies, boards and commissions.

PS-306 The American Presidency **Credits: 3**
Prerequisite(s): PS-102 or PS-103, and EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): PSAM, WT
The various theories of the presidency; the president's relationship with Congress, the public, the party structure, the administration, and the vice-president; and the president's powers and responsibilities in foreign and military affairs.

PS-307 The American Judiciary **Credits: 3**
Prerequisite(s): PS-102 or PS-103
Term Offered: All Terms
Course Type(s): PSAL, PSAM, SJL
Systematic study of the judiciary at the federal and New Jersey level, including an analysis of the jurisdictional limits of courts and the procedural rules for actions in each respective system; an intensive study of institutions of law (legal systems, federal courts, state courts) and interpreters and consumers of law (judges, lawyers, litigants, interest groups) as well as a study of the impact of court decisions on federal and state public policy.

PS-308 Resistance and Revolution: Exploring Social Movements & Social Change **Credits: 3**
Term Offered: All Terms
Course Type(s): SJS
Social movements are sustained efforts through which people act collectively to create or resist changes in political, social, economic, legal, and/or cultural systems, as well as specific institutions. Through a combination of theoretical exploration and case studies, this course is designed to generate an in-depth understanding of social movements of the past and the present. We will address questions such as: What events precipitate movements? How do political, social, economic and cultural forces shape movements and influence their outcomes? How have artistic works and creative tactics been used for pursuing social change? In what ways have social media changed the landscape of social action? How have social scientists researched and participated in movements? The course will also explore the work of organizing, strategizing, recruiting participants, leadership development, and tactical decision-making, in addition to the other forms of "on the ground" work within movements. Also listed as SO-308

PS-309 Political Science Internship Seminar **Credits: 3**
Term Offered: All Terms
Course Type(s): EX5
Practical experience in the operation of a legal, political campaign, or government position to guide the intern's future professional development. The student will keep a journal and produce a report analyzing the intern's experience and/or work environment. Repeatable for credit.

PS-311 Introduction to Constitutional Law **Credits: 3**
Prerequisite(s): PS-102 or PS-103
Term Offered: All Terms
Course Type(s): PSAL
Examination of United States constitutional law by the case method: the federal government and the relative powers of Congress, the President, and the Supreme Court.

PS-312 Constitutional Law: Civil Rights **Credits: 3**
Prerequisite(s): PS-102 or PS-103
Course Type(s): PSAL, RE, SJL
Examination of United States constitutional law by the case method: Constitutional, civil, and political liberty with special emphasis on the First, Fifth, and Fourteenth Amendments.

PS-313 The Pre-Trial Prosecution System **Credits: 3**
Prerequisite(s): PS-102 or PS-103
Term Offered: All Terms
Course Type(s): PSAL, SJL
The pre-trial prosecution process as a political system. The roles, attitudes, and strategies of those authorities who allocate values within the system are examined. Also listed as CJ-313. CJ majors register for CJ-313.

PS-315 Urban Politics **Credits: 3**
Prerequisite(s): PS-102 or PS-103
Term Offered: Spring Term
Course Type(s): PSAM, PSPA, RE
The problems of urban life as they are manifested in the political process, the interaction of cities with other levels of government, and the performance of political functions within the urban environment.

PS-324 American Political Thought **Credits: 3**
Prerequisite(s): PS-102 or PS-103
Term Offered: Spring Term
Course Type(s): PSAM
The development of political thought in the United States with emphasis on the late nineteenth- and twentieth-century philosophers and statesmen, along with the development of ideology of groups in American politics. Also listed as PL-324.

PS-325 Survey Research Consulting **Credits: 3**
Prerequisite(s): PS-250 or SO-250 or CO-292 or SW-409 or PY-220 or CJ-315 or HLS-315 or HE-290 or NU-355 or permission of the instructor
Term Offered: All Terms
Course Type(s): None
Provides students with real-world experience in the application of social science methodology, specifically survey research. The course is designed to strengthen social science research methods skills as well as competencies in professional communication and collaboration. Students, as a class, will work on a small-scale project (e.g. needs assessment, program evaluation, marketing study, etc.) for a "client" - a non-profit organization, government agency, small business, or academic institute - who has agreed to collaborate as a service learning opportunity. The client is not paying for this service and understands the limitations of working with consultants-in-training. However, the course will strive to adhere to the highest standards in both survey research practice and the client-consultant relationship. Also listed as SO-325.

PS-330 Environmental Policy **Credits: 3**
Term Offered: All Terms
Course Type(s): MEBP, PSAM, PSPA, SUS
Introduces social, political, and organizational processes that influence and shape environmental and natural resource policy. Focuses on the political arena and examines how citizens and community groups influence legislative initiatives. Also listed as PS-330.

PS-332 Climate Change Adaptation and Policy **Credits: 3**
Term Offered: Spring Term
Course Type(s): MEBP, SUS
Climate Change Adaptation and Policy provides a survey of the global engagements surrounding climate change adaptation and policy that currently affects billions around the globe. The subject matter covered includes understanding how to evaluate the proxies and impacts of climate change, the geography of climate change, and the policies and planning tools that are used in addressing the current and forecasted effects of climate change. The class includes local, regional, national, and international examples within a mixed-methods approach that simultaneously uses a scientific, natural processes understanding that is juxtaposed with policy-based initiatives that deal with the real-life costs and procedures in addressing climate change. Also listed as GO-332.

PS-350 American Political Economy **Credits: 3**
Prerequisite(s): PS-103
Term Offered: Spring Term
Course Type(s): PO, PSAM, PSPA
Examines the institutional, economic, and political factors that influence the economic decision-making process at all levels of government. Analysis of the theories, processes, principles, and concepts of public budgeting and governmental management of the economy. Also listed as PO-350.

PS-351 Public Administration **Credits: 3**
Prerequisite(s): PS-102 or PS-103
Term Offered: Spring Term
Course Type(s): PSPA
The administration, organization, management, financial, and personnel problems within the various governmental agencies; problems arising from the interrelations of the three branches of government.

PS-352 Public Personnel Administration **Credits: 3**
Prerequisite(s): PS-102 or PS-103
Course Type(s): PSPA
The nature of the career service in government, effective tools in personnel administration, and the changing role of the Civil Service Commission.

PS-353 Public Budgeting Process **Credits: 3**
Prerequisite(s): PS-102 or PS-103
Term Offered: Spring Term
Course Type(s): PSPA
A treatment of the budget as an instrument of public policy and marginal control of public programs.

PS-355 Administrative Law and Regulation **Credits: 3**
Prerequisite(s): PS-102 or PS-103
Term Offered: Spring Term
Course Type(s): PSAL, PSPA, SJL
The federal and state regulatory agencies, commissions, and boards; how they function, the legal procedures they employ, to what extent they are successful in serving and protecting the community, and efforts to effect their reform.

PS-360 Political Economy in the Developing World **Credits: 3**
Prerequisite(s): PS-102 or PS-103
Term Offered: Spring Term
Course Type(s): PSIP, SJS
This course introduces undergraduate students to the core concepts, theories and debates of political economy in the context of developing world countries. The primary unit of analysis will be the national case study (i.e., Brazil or Indonesia) rather than the international system or international institutions (for example, World Bank, IMF or global financial markets.) The aim is to provide the intellectual tool set to evaluate questions and challenges of political and economic development and modernization across a range of national case studies from Latin America, the Caribbean, Africa, the Middle East and Asia. Also listed as SO-360.

PS-361 Comparative European Governments **Credits: 3**
Prerequisite(s): PS-102 or PS-103
Term Offered: All Terms
Course Type(s): PSCG
A comparative analysis of political processes in Western-European governments, with special emphasis on the methodology of comparative politics.

PS-364 Law and Society **Credits: 3**
Prerequisite(s): SO-101 or PS-102 or PS-103
Term Offered: All Terms
Course Type(s): PSAL, SIN, SJL
The evolution of law, social forces influencing law, social impact of law, and law as an instrument of social control and social change. Also listed as SO-364.

PS-365 Sports Law I: Governance and Regulation **Credits: 3**
Term Offered: All Terms
Course Type(s): PSAL
Sports law is a subfield of law and political science that examines a broad mixture of laws that apply to athletes and the sports they play. Many legal scholars argue that the term "sports law" is a misnomer because "sports" represent the convergence of activity and entertainment that is governed by the legal system in its entirety. Accordingly, this course provides an overview of many areas of the law, particularly in the realm of governance and regulations. Through the assigned readings and research projects, students will gain valuable insight as to how "sports" are regulated by the laws of our country but also by the governing bodies and institutions that oversee the formation, activity, and "entertainment" of each sport. This course is related to Sports Law II: The Business of Sports Law in that both courses provide student with in-depth analysis of law as it relates to sports but also how "sports law" impacts society, business and the economy. However, the courses are non-sequential and students can be successful in each course independent from the other as they are both designed to be introductory courses related to governance and regulation, and legal implications in the business of sports, respectively.

PS-366 Sports Law II: The Business of Sports Law **Credits: 3**
Course Type(s): PSAL
Sports law is a subfield of law and political science that examines a broad mixture of laws that apply to athletes and the sports they play. Many legal scholars argue that the term "sports law" is a misnomer because "sports" represent the convergence of activity and entertainment that is governed by the legal system in its entirety. Accordingly, this course provides an overview of many areas of the law, particularly in the realm of governance and regulations. Through the assigned readings and research projects, students will gain valuable insight as to how "sports" are regulated by the laws of our country but also by the governing bodies and institutions that oversee the formation, activity, and "entertainment" of each sport. This course is related to Sports Law II: The Business of Sports Law in that both courses provide student with in-depth analysis of law as it relates to sports but also how "sports law" impacts society, business and the economy. However, the courses are non-sequential and students can be successful in each course independent from the other as they are both designed to be introductory courses related to governance and regulation, and legal implications in the business of sports, respectively.

PS-371 International Service Seminar **Credits: 3**
Prerequisite(s): PS-102
Term Offered: Spring Term
Course Type(s): PSIP
Students will learn to unite theory and practice by studying theories and policies based on human security, and learning about their applications through service-learning projects. Students will enhance their understanding of human security by volunteering in international community organizations and reflecting on the social, political, and economic factors and policies that affect them. Also listed as SW-371, AN-371, and SO-371.

PS-372 Democracy in Asia and South Asia **Credits: 3**
Term Offered: Spring Term
Course Type(s): PSCG, RE
Explores the prospects of democracy in Asia and South Asia with a focus on Japan, South Korea, Taiwan, India, Pakistan, Afghanistan, Nepal, Bangladesh, and Sri Lanka. Provides the historical depth, cultural complexity, and comparative context in which to understand historical legacies and contemporary issues challenging democracy in Asia and South Asia.

PS-373 Comparative Politics in Asia **Credits: 3**
Prerequisite(s): PS-102 or PS-103
Term Offered: Spring Term
Course Type(s): PSCG, RE
Comparative study of the political processes of selected Asian nations with emphasis on problems arising as a result of the transition from traditional societies to modern nation states.

PS-375 Islam and Politics **Credits: 3**
Course Type(s): PSCG, RE
Examination of the interrelationship between Islam as a religion and a way of life and politics in different regions of the world. Following a quick survey of the belief and practice of Islam since its inception, the focus will be placed on the past 100 years, particularly the Muslim responses to the challenges of colonialism, modernization, and globalization and Islam's reassertion in public affairs and society. Concludes with ways for improving Islam-West relations in the hope that these will generate better understanding and peace. Also listed as RS-375.

PS-376 Comparative Politics of the Middle East **Credits: 3**
Term Offered: All Terms
Course Type(s): PSCG, RE
Comparative study of the political processes of selected Middle-Eastern nations with an emphasis on problems arising as a result of the transition from traditional societies to modern nation states.

PS-377 A Comparative Study of Women in the World **Credits: 3**
Prerequisite(s): GS-225 or SO-225
Term Offered: All Terms
Course Type(s): BI.EL, GS, GU, PSCG
A comparative study of the political, cultural, social, and economic statuses of women in the United States, Western Europe, Russia, Japan, Israel, and Third-World nations. Also listed as GS-377. Prerequisites: GS-225 or SO-225

PS-378 Ethics in International Relations **Credits: 3**
Prerequisite(s): PS-102
Term Offered: All Terms
Course Type(s): PSIP
Create a learning environment that stresses the understanding of ethics and its necessary role in the contemporary world. Through an evaluation of peace theories, patterns of diplomacy, and conflict in international relations, the learner will realize that ethical considerations are essential to the human experience.

PS-382 International Organizations **Credits: 3**
Prerequisite(s): PS-102 or PS-103
Term Offered: Spring Term
Course Type(s): PSIP, PSPA
The nature, functions, and development of international organizations with particular emphasis on the United Nations and its role in international relations.

PS-383 Model UN Conference **Credits: 4**
Prerequisite(s): PS-102 or PS-103
Term Offered: Spring Term
Course Type(s): PSIP
Introduces students to how the United Nations works and will gives them real-life experience in how countries bargain, negotiate, and resolve conflicts. It is a blend of theoretical/historical knowledge and practical/experiential components. The practical/experiential components will include taking part in actual negotiations at a collegiate-level Model United Nations conference. Experiential Education credit will only be given upon completion of the model UN conference. Repeatable for credit at the discretion of the department.

PS-385 American Foreign Policy **Credits: 3**
Prerequisite(s): PS-102 or PS-103
Term Offered: All Terms
Course Type(s): PSIP, PSPA
A study of American foreign policy with emphasis on the theoretical framework and institutional setting of the contemporary policymaking process.

PS-388 Cooperative Education: Political Science **Credits: 3**
Prerequisite(s): PS-102 or PS-103
Term Offered: All Terms
Course Type(s): EX2
Classroom learning and real-world practice are connected through actual work experience. Under the guidance of a faculty advisor, students select a cooperative placement. Students will spend ten to fifteen hours per week at their placement. Repeatable for credit. Departmental approval is required to take this course.

PS-389 Political Science Internship **Credits: 3**
Prerequisite(s): PS-102 or PS-103 and completion of sixty credits
Term Offered: All Terms
Course Type(s): EX1
An internship in a political office. The student will keep a daily log and develop a research topic on the basis of the log and experience. By working an eight-hour day from Monday through Friday, the intern will develop firsthand knowledge of a state or local office and will secure an experience rating for future positions after graduation. Departmental approval is required to take this course.

PS-390 Washington Center Internship **Credits: 7-12**
Term Offered: All Terms
Course Type(s): EX5
This internship allows students in all majors to intern at government agencies, public service organizations, and business associations located in Washington, DC. Under the supervision of Washington Center supervisors and faculty, students gain substantive entry-level professional experience along with academic credit over the course of one semester. In general, students are required to intern in a government agency or public organizations four and a half days per week and attend educational seminars and workshops and participate in professional forums conducted by the Washington Center. In addition, students must complete learning objectives and assignments specified by Monmouth University faculty sponsors. Also listed as CO-390 and SO-390.

PS-393 Washington Center Course **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Students participating in a Washington Center internship are required to enroll in a three credit seminar. A list of available courses is forwarded to all students prior to the beginning of the fall, spring, or summer term. Regular offerings include: politics, professional communication, the fine and performing arts, and economics. Also listed as CO-393 and SO-393. Junior standing and a minimum G.P.A. of 2.50 is required to take this course.

PS-398 Special Topics in Political Science (300 Level) **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
An intensive study of a particular subject or problem in political science to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

PS-399 Independent Study in Political Science **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Guided study of a topic in political science not substantially treated in a regular course, under the direction of a member of the political science faculty. Extensive reading and at least one written report are required. Prior permission of the directing professor and department chair is required to take this course.

PS-401 Seminar in Political Science **Credits: 3**
Prerequisite(s): EN-101, EN-102, PS-250, 15 credits in Political Science, and Junior Standing.
Term Offered: All Terms
Course Type(s): WT
Review of research methods and significant developments in political science. An individual research project, assigned according to the interest and needs of the student, is required.

PS-431 Public International Law **Credits: 3**
Prerequisite(s): PS-102 or PS-103, EN-101 and EN-102
Course Type(s): GU, PSAL, PSIP, SJL, WT
Detailed examination of the system of rules governing relations among states including in-depth review of the sources of public international law, transnational entities involved in applying international law, domestic application of international law including jurisdiction and extraterritoriality, the validity of state action vis-a-vis public international legal restrictions, and enforcement of international law as to states and individuals.

PS-488 Cooperative Education: Political Science **Credits: 3**
Prerequisite(s): PS-102 or PS-103
Term Offered: Spring Term
Course Type(s): EX2
Classroom learning and real-world practice are connected through actual work experience. Under the guidance of a faculty advisor, students select a cooperative placement. Students will spend ten to fifteen hours per week at their placement. Repeatable for credit. Departmental approval is required to take this course.

PS-489 Political Science Internship **Credits: 3**
Prerequisite(s): PS-102 or PS-103 and completion of sixty credits
Course Type(s): EX1
An internship in a political office. The student will keep a daily log and develop a research topic on the basis of the log and experience. By working an eight-hour day from Monday through Friday, the intern will develop firsthand knowledge of a state or local office and will secure an experience rating for future positions after graduation. Departmental approval is required to take this course.

PS-498 Special Topics in Political Science (400 Level) **Credits: 1-3**
Term Offered: Spring Term
Course Type(s): None
An intensive study of a particular subject or problem in political science to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

PS-499 Readings and Research in Political Science **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Guided study of a topic in political science not substantially treated in a regular course, under the direction of a member of the political science faculty. Extensive reading and at least one written report are required. Senior standing; status as a Political Science or History and Political Science major with a 3.00 or higher G.P.A. in major coursework; and prior permission of the directing professor and department chair are required to take this course.

Psychology (PY)

PY-103 Introduction to Psychology **Credits: 3**
Term Offered: All Terms
Course Type(s): SS.SV
The scientific study of behavior and mental processes, including motivation, emotion, intelligence, maturation, learning, personality, perception, and thinking.

PY-202 Career Preparation in Psychology **Credits: 1**
Term Offered: All Terms
Course Type(s): None
An orientation to career opportunities available with a background in psychology as well as preparation for employment and graduate/professional training in psychology. For Psychology majors only.

PY-203 Child Psychology **Credits: 3**
Prerequisite(s): PY-103
Term Offered: All Terms
Course Type(s): NU.EL
Physical and mental development from conception to early adolescence; motor, emotional, and social behavior; intelligence and language development; personality formation; play and other imaginative activities.

PY-204 Adolescent Psychology **Credits: 3**
Prerequisite(s): PY-103
Term Offered: All Terms
Course Type(s): NU.EL
Students are given up-to-date knowledge of the field of developmental psychology in general but particularly focuses on issues that are relevant to individuals as they transition from being children to young adolescents; as they go through the physical, emotional, cognitive, and social changes of adolescence; and finally as they experience emerging adulthood. It will enable students to understand, contrast, and critically evaluate various developmental theories that apply to adolescent development. Both the normative patterns of adolescent development and individual variability within these norms are covered.

PY-205 Psychology of Adulthood and Aging **Credits: 3**
Prerequisite(s): PY-103
Term Offered: Spring Term
Course Type(s): None
Development from mid-life to old age; physical, intellectual, social, emotional, and personality changes, interests, attitudes, and maladjustments with emphasis on later life.

PY-207 Social Psychology **Credits: 3**
Prerequisite(s): PY-103
Term Offered: All Terms
Course Type(s): None
A survey of human behavior and mental processes in their social context. Addresses interpersonal processes, including social influence, relationships, prosocial and antisocial behavior, prejudice, and group dynamics. Also addresses intrapersonal processes, including the self, social perception, social cognition, cognitive dissonance, and attitudes.

PY-208 Psychopathology **Credits: 3**
Prerequisite(s): PY-103
Term Offered: All Terms
Course Type(s): None
An examination of the theoretical and clinical perspectives underlying various psychological disorders, including etiology, symptoms and presentation, therapeutic recommendations, and an introduction to the diagnostic process.

PY-220 Research I: Methods and Basic Data Analysis Laboratory **Credits: 4**
Prerequisite(s): PY-103 and MA-101, or MA-105 or higher; and EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): TL, WT
Introduces students to the essence of the scientific method and the use of empirical inquiry. Students will be introduced to various issues concerning data collection and other method procedures used in psychology. Students will learn to appropriately summarize, describe, and analyze obtained data to test research hypotheses.

PY-230 History of Psychology **Credits: 3**
Prerequisite(s): PY-103
Term Offered: All Terms
Course Type(s): None
The historical development of psychology, including its relationship to other disciplines; the contributions of philosophy and the growth of scientific methodology.

PY-298 Special Topics in Psychology (200 Level) **Credits: 1-3**
Term Offered: Spring Term
Course Type(s): None
An intensive study of a particular subject or problem in psychology to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If there is a prerequisite for this course it will be announced in the course schedule.

PY-301 Psychology of Learning **Credits: 3**
Prerequisite(s): PY-103
Term Offered: All Terms
Course Type(s): None
Basic issues and methods in the scientific study of learning, with attention to major theories about mental and neural processes in conditioning, skill learning, and various types of cognitive learning and memory.

PY-302 Memory and Cognition **Credits: 3**
Prerequisite(s): PY-103 and PY-220
Term Offered: Spring Term
Course Type(s): None
Scientific study of mental processes, especially pertaining to the acquisition, retention, and use of knowledge and mental skills. Emphasis on memory, imagery, and natural language, with limited attention to developmental and individual differences.

PY-302L Memory and Cognition Thesis Laboratory **Credits: 1**
Prerequisite(s): PY-311 and PY-320 both passed with a grade of C or higher
Co-requisite(s): PY-302 and PY-491
Course Type(s): None
Techniques for the experimental study of memory, thought, and language processes. Includes pattern recognition, serial recall, memory organization, imagery, decision-making, and story schematization.

PY-304 Applied Behavior Analysis **Credits: 3**
Prerequisite(s): PY-103
Term Offered: All Terms
Course Type(s): None
This course is an introduction to the field of applied behavior analysis (ABA), which is dedicated to the application of behavioral principles and procedures to real-world problems and settings. The topics covered will include: the basic principles and techniques used in ABA, the application of these principles to a diverse range of clients (e.g., individuals with disabilities and addictions, industry workers, children in classrooms, captive animals) based on scientific literature, training caregivers to conduct treatments based on the science of behavior, and legal and ethical issues in the treatment of clients in a diverse society. Prerequisite: PY-103

PY-305 Theories of Personality **Credits: 3**
Prerequisite(s): PY-103
Term Offered: All Terms
Course Type(s): None
An introduction to methods for studying personality and building personality theories; psychodynamically oriented theories as well as biosocial, behavioristic, cognitive, humanistic, and existential approaches.

PY-305L Social and Personality Thesis Lab **Credits: 1**
Prerequisite(s): PY-207 or PY-305, and PY-311 and PY-320 all passed with a grade of C or higher
Term Offered: All Terms
Course Type(s): None
Research strategies used in the scientific study of personality and social psychology. Deals with the following topics: constructing surveys, writing quality question items, correlational design, two-group design, multigroup design, factorial design, within-subjects design, and the use of statistical methods in research. These topics will be covered in the context of student projects. Each student will design and carry out his or her own research project. Three hours per week.

PY-306 Introduction to Neurosciences **Credits: 3**
Prerequisite(s): PY-103 and 3 credits in Biology
Term Offered: All Terms
Course Type(s): None
The organization of the nervous system in terms of its anatomy, physiology, neurochemical correlates, and evolution; behavioral processes, such as attention, sleep, motivation, instinct, learning, and language.

PY-306L Neurosciences Thesis Laboratory **Credits: 1**
Prerequisite(s): PY-311 and PY-320 both passed with a grade of C or higher
Co-requisite(s): PY-306 and PY-491
Course Type(s): None
Human and animal neuroanatomy; surgical techniques, including lesion, stimulation, and perfusion; histology; drug and hormone administration; and physiological recording techniques. Three hours per week.

PY-310 Psychology Internship **Credits: 3**
Prerequisite(s): PY-208, PY-220, and completion of fifty-seven credits
Term Offered: All Terms
Course Type(s): EX5
Supervised, volunteer work in approved facilities, professional development and training and supervision provided by the agency in consultation with the psychology department.

PY-311 Research II: Behavioral Statistics and Laboratory **Credits: 4**
Prerequisite(s): PY-220 passed with a grade of C or higher
Term Offered: All Terms
Course Type(s): TL
A continuation in statistical concepts and application, including analysis of variance, nonparametric techniques, regression equations, correlations. Laboratory: Instruction in data analysis using SPSS (Statistical Package for the Social Sciences), training in software tools for formatting and presenting research findings.

PY-320 Research III: Experimental Methods and Laboratory **Credits: 4**
Prerequisite(s): PY-220 passed with a grade of C or higher; and EN-101 and EN-102, or permission of the instructor
Co-requisite(s): PY-311
Term Offered: All Terms
Course Type(s): WT
An introduction to theory and application of experimental methods in psychology. Three hours of lecture, two hours of individual laboratory work per week.

PY-321 Qualitative Research Methods **Credits: 4**
Prerequisite(s): PY-103
Term Offered: Spring Term
Course Type(s): WT
An interdisciplinary overview of qualitative research methods employed in the social sciences and education. Qualitative methods are offered as an alternative way of knowing about individuals and groups. Topics covered include: theory, fieldwork, interviewing, observational studies, time sampling, writing field notes, questionnaires (survey research), archival research, and conducting qualitative research in various settings. Emphasis also placed upon the factors that affect the fieldwork process (e.g., gender, emotions). Also listed as AN-321.

PY-322 Industrial Organizational Psychology **Credits: 3**
Prerequisite(s): PY-103
Term Offered: All Terms
Course Type(s): None
The application of psychological principles to human problems in business and industry: personnel psychology, counseling, motivation, supervision, organizational structure, efficiency, and engineering psychology.

PY-331 Psychology of Women **Credits: 3**
Prerequisite(s): PY-103
Term Offered: All Terms
Course Type(s): GS
The current state of knowledge about the psychology of women based on theoretical and empirical contributions from psycho-biology, personality, social and life-span psychology.

PY-331L Psychology of Women Thesis Lab **Credits: 1**
Prerequisite(s): PY-311, PY-320, both passed with a grade of C or higher; and either PY-331 or GS-225 or SO-225
Term Offered: All Terms
Course Type(s): None
Research strategies used in the study of the psychology of women. Deals with the following topics: constructing surveys, writing quality question items, two-group design, multigroup design, factorial design, within-subject design, correlational design, and the use of statistical methods in research. These topics will be covered in the context of student projects. Each student will design and carry out his or her own research project. Three hours per week.

PY-332 Psychology of the Male Experience **Credits: 3**
Prerequisite(s): PY-103
Term Offered: Spring Term
Course Type(s): GS
Examines stereotypes about men in Western society, many of which are challenged in the light of empirical research; theoretical and empirical contributions from personality, social and life-span psychology, and psychobiology; consideration of methods and sources of bias in research used in gender studies.

PY-335L Gender and Sex Roles Thesis Laboratory **Credits: 1**
Prerequisite(s): PY-103; and PY-311 and PY-320, both passed with a grade of C or higher
Co-requisite(s): PY-331 or PY-491 or PY-332
Term Offered: Spring Term
Course Type(s): GS
Research strategies used in the study of gender and sex roles. Projects include: methods of archival research, interview and survey techniques, naturalistic observation, and correlational and experimental procedures. Students also design and carry out their own research project, and prepare written and oral reports of the findings. Three hours per week.

PY-342 Children's Play and Culture **Credits: 3**
Prerequisite(s): PY-203
Term Offered: Spring Term
Course Type(s): None
An intensive examination of children's play. Theoretical and empirical contributions from psychology and anthropology as a developmental and cross-cultural foundation for the following topics: the historical development of the concept of childhood, theories of play, conceptions of play and work, the functions of play, play and child development, gender differences, cross-cultural forms of play, and children's peer cultures. Also listed as AN-342. Anthropology majors should register for AN-342.

PY-350 Evolutionary Psychology **Credits: 3**
Prerequisite(s): PY-103
Term Offered: All Terms
Course Type(s): None
The role of evolutionary thinking in human psychology, including ideas and evidence from animal behavior; topics include a brief history of socio-political resistance to Darwinian ideas, basic principles of evolutionary (population) biology, behavioral strategies affecting cognitive and social psychology, especially survival issues (feeding, predator avoidance), mating systems (attraction, mate retention, reproduction and rearing offspring), and social exchange issues. Exploration of potential application in other disciplines (medicine, law, history, marketing and economics).

PY-350L Evolutionary Psychology Thesis Laboratory **Credits: 1**
Prerequisite(s): PY-103; and PY-311 and PY-320 passed with a grade of C or higher
Co-requisite(s): PY-350 and PY-491
Term Offered: Spring Term
Course Type(s): None
Research strategies used in studying the role of evolution in human psychology. Projects include: methods of archival research, interview and survey techniques, naturalistic observation, correlational and experimental procedures. Students will design and carry out their own research project and prepare written and oral reports of the findings. Three hours per week.

PY-360 Intimate Relationships **Credits: 3**
Prerequisite(s): PY-207
Term Offered: All Terms
Course Type(s): None
Provides an overview of current theory and research in the field of intimate relationships. Focuses on topics such as: our need for relationships, interpersonal attraction, love, attachment, communication, relationship maintenance, relationship trajectories, relationship dissolution, jealousy, and extra-dyadic relationships. Special attention will be given to understanding these topics through the use of scientific journal articles.

PY-360L Intimate Relationships Thesis Laboratory **Credits: 1**
Prerequisite(s): PY-311 and PY-320 both passed with a grade of C or higher
Term Offered: All Terms
Course Type(s): None
Research strategies used in the study of intimate relationships. Deals with the following topics: constructing surveys, writing quality question items, two-group design, multi-group design, factorial design, within-subject design, and the use of statistical methods in research. These will be covered in the context of student projects. Each student will design and carry out his or her own research project. Three hours per week.

PY-370 Sensation and Perception **Credits: 3**
Prerequisite(s): PY-103 and PY-220
Course Type(s): None
Evolution of animal and human sensory systems and perceptual mechanisms and processes; current research data and person-machines comparisons.

PY-370L Sensation and Perception Thesis Laboratory **Credits: 1**
Prerequisite(s): PY-311 and PY-320 both passed with a grade of C or higher
Co-requisite(s): PY-370 and PY-491
Course Type(s): None
Basic laboratory techniques for the study of perceptual experiences. Includes sensory thresholds, intensity scaling, color judgments, visual shape and depth, visual illusions, brain lateralization, interactions among sensory modalities, and attention. Three hours per week.

PY-388 Cooperative Education: Psychology **Credits: 3**
Prerequisite(s): Thirty completed credits and a minimum G.P.A. of 2.00
Term Offered: Spring Term
Course Type(s): EX2
Provides students with an opportunity to apply classroom theory in practice through actual work experience. Placements are selected to forward the student's career interest through experiential education. Repeatable for credit. Departmental approval is required to take this course.

PY-389 Independent Internship in Psychology **Credits: 1-3**
Prerequisite(s): 21 credits in Psychology, Junior standing, overall GPA of 3.00, approval by the Psychology Department
Term Offered: All Terms
Course Type(s): EX1
Students apply the psychological concepts they have learned in the classroom and laboratory to work-related experiences. Working with the cooperation of the Life Career Advising Center and a faculty sponsor, the student will secure an internship site. On a volunteer basis, students will work 50 hours per credit per term at their internship sites. Students are required to develop learning objectives at the start of their internship, keep a journal of their internship experience throughout their placement, and write a final paper that includes an integrated review of the literature and reports their progress in meeting their learning objectives. Limited to Psychology majors.

PY-398 Special Topics in Psychology (300 Level) **Credits: 1-3**
Prerequisite(s): PY-103
Term Offered: All Terms
Course Type(s): None
An intensive study of a particular subject or problem in psychology to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If there is a prerequisite for this course it will be announced in the course schedule.

PY-398L Special Topics in Psychology Thesis Laboratory **Credits: 1-3**
Co-requisite(s): PY-491
Term Offered: All Terms
Course Type(s): None
An intensive study of a particular subject or problem in psychology to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis.

PY-399 Independent Study in Psychology **Credits: 1-3**
Term Offered: Fall Term
Course Type(s): None
Guided study of a selected topic in psychology not substantially treated in a regular course, under the direction of a member of the Psychology faculty. Prior permission of the directing professor and department chair is required to take this course.

PY-401 Introduction to Clinical Psychology **Credits: 3**
Prerequisite(s): PY-208 and PY-305
Term Offered: All Terms
Course Type(s): None
The application of psychological approaches to the study and treatment of behavior problems, diagnosis, therapeutic techniques, and the professional role of the clinical psychologist in society.

PY-401L Clinical Psychology Thesis Laboratory **Credits: 1**
Prerequisite(s): PY-208; and PY-311 and PY-320 both passed with a grade of C or higher
Co-requisite(s): PY-401 and PY-491
Course Type(s): None
A practicum in assessment and therapeutic techniques, incorporating standard research procedures used in clinical psychology. The scientific study of individual differences and their impact on behavior.

PY-404 Animal Behavior **Credits: 3**
Prerequisite(s): PY-103 or BY-103 or above passed with a grade of C- or higher
Course Type(s): None
Why and how animals (vertebrates and invertebrates) do the things they do. Emphasizes rules governing the evolution of behavior rather than mere description of how animals behave. Focus includes behavioral ecology, habitat selection, feeding strategies, predator-prey tactics, mating systems and strategies, social behavior (conflict and cooperation) and population dynamics. The course begins with a historical overview and ends with the evolution of human behavior. Also listed as BY-404.

PY-404L Animal Behavior Thesis Laboratory **Credits: 1**
Prerequisite(s): PY-311 and PY-320 both passed with a grade of C- or higher
Co-requisite(s): PY-404 or BY-404
Course Type(s): None
Methods in the study of animal behavior. Projects on instinctive behavior, early experience, learning, dominance relationships, territoriality, behavioral ecology, and sociobiology. One all-day field trip and an independent project will be required.

PY-407 Social Cognition **Credits: 3**
Prerequisite(s): PY-103
Term Offered: Spring Term
Course Type(s): None
Focus on social cognition, a research area within social psychology that studies the social and cognitive processes through which individuals notice, interpret, remember, and use information about their social world. Exploration of past and present social research, current theoretical understanding, and potential applications of important social-cognitive processes.

PY-407L Social Cognition Thesis Laboratory **Credits: 1**
Prerequisite(s): PY-311 and PY-320 both passed with a grade of C or higher
Co-requisite(s): PY-407 and PY-491
Course Type(s): None
Study and evaluation of empirical methods used in social cognition research. Students will critique published research and learn to identify and avoid common threats to the validity of their own research. Three hours per week.

PY-408 Cultural Psychology **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
An interdisciplinary course that utilizes theoretical, empirical, and methodological contributions from psychology and anthropology to discuss the position of culture in understanding human behavior and thought. Culture is viewed as a cognitive construct that is learned, lived, shared, and performed. A sample of topics include: the history of cultural and cross-cultural psychology, methodological approaches, aggression, education, development, play, language, social relationships, intelligence, emotion, motivation, and mental health issues. Also listed as AN-408.

PY-409 Leadership and Group Processes **Credits: 3**
Prerequisite(s): PY-103 and PY-207
Term Offered: All Terms
Course Type(s): None
An introduction to the study of group dynamics, particularly with regard to leadership and power. Exploration of past and present research on groups; current theoretical understanding of important group processes, such as group formation, changes over time, group decision- making and performance, social influence, and intermember relations.

PY-409L Leadership and Group Processes Laboratory **Credits: 1**
Prerequisite(s): PY-103, PY-311, and PY-320 all passed with a grade of C or higher
Co-requisite(s): PY-409 and PY-491
Course Type(s): None
Study and evaluation of empirical methods used in group-dynamics research. Students will critique published research and learn to identify and avoid common threats to the validity of their own research. Three hours per week.

PY-411 Field Experience in Animal Behavior **Credits: 3**
Prerequisite(s): PY-103; and PY-220 passed with a grade of C or higher or permission of the instructor.
Term Offered: Spring Term
Course Type(s): EX1
Covers psychological principles that are relevant to the psychology of animal behavior, animal training, and learning, memory, and cognition. Students are exposed to - and engage in- research on animal behavior management and watch demonstrations of these principles on-site at Six Flags Safari with a selection of exotic animals. Students will explore careers in applied animal behavior and apply what they have learned to other vocations with humans, such as teaching and therapy, in weekly discussions. Students gain public speaking experience via facilitating educational outreach events and developing and executing training and enrichment plans to promote animal welfare. Instructor permission required. Students of other majors with permission of instructor. PY-103; and PY-220 passed with a grade of C or higher or permission of the instructor.

PY-423 Social Justice Journeys: Psychological Identity and Museum Exhibits **Credits: 3**
Prerequisite(s): PY-103.
Term Offered: All Terms
Course Type(s): None
By combining field trips to museums and classroom learning, students learn how we construct our psychological identities (e.g., gender, race and ethnic identities) and how images and exhibits in our society influence the cognitive processes underlying our identity development. Students will reflect on the impact of how historical events are retold on how we value ourselves and others. An intersectionality framework is employed. Career opportunities for psychology majors that overlap with museum science will be introduced.

PY-426 Theories of Childhood and Development **Credits: 3**
Prerequisite(s): PY-203, PY-320, and PY-321
Term Offered: Spring Term
Course Type(s): None
An overview of and evaluative approach to developmental theories and conceptions of childhood. The theoretical frameworks covered include: constructivism, learning theory, psychoanalysis, psychosocial, and ethological/evolutionary approaches. Theorists discussed include: Bowlby, Dewey, Erikson, Freud, Montessori, Piaget, Skinner, and Vygotsky.

PY-431 Psychological Tests and Measurements **Credits: 3**
Prerequisite(s): PY-103 and PY-220, both passed with a grade of C or higher
Term Offered: Spring Term
Course Type(s): None
Introduction to theory of measurement; its application to psychological and educational testing and exposure to frequently used tests with ethical and practical considerations. Prerequisites: PY-103 and PY-220, both passed with a grade of C or higher

PY-488 Cooperative Education: Psychology **Credits: 3**
Term Offered: All Terms
Course Type(s): EX2
Provides students with an opportunity to apply classroom theory in practice through actual work experience. Placements are selected to forward the student's career interest through experiential education. Repeatable for credit.

PY-489 Independent Internship in Psychology **Credits: 1-3**
Prerequisite(s): PY-208 and PY-220, and a minimum G.P.A. of 3.00
Term Offered: All Terms
Course Type(s): EX1
Working with the Department of Psychology's Field Placement Coordinator, the student will secure an internship site and be assigned a faculty sponsor. Students will intern fifty hours per credit per term in their placements. In collaboration with their faculty sponsor, students will develop learning objectives, maintain a journal and log of their hours, and submit assignments that demonstrate an advanced application of psychological concepts to their internship experiences. Weekly meetings with faculty sponsors are required. Limited to Psychology majors.

PY-490 Senior Seminar in Psychology **Credits: 3**
Prerequisite(s): PY-320 passed with a grade of C or higher and 18 credits in Psychology
Term Offered: Spring Term
Course Type(s): None
Readings, invited speakers, student presentations, and discussion of current and review topics in psychology. Course emphasis to vary with orientation of directing professor.

PY-491 Research IV: Thesis in Psychology **Credits: 2**
Prerequisite(s): PY-311 and PY-320 both passed with a grade of C or higher
Term Offered: All Terms
Course Type(s): None
Study and research in psychology under the supervision of a psychology faculty member, leading to the preparation of a senior thesis.

PY-498 Special Topics in Psychology (400 Level) **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
An intensive study of a particular subject or problem in psychology to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

PY-498L Special Topics in Psychology Thesis Laboratory **Credits: 1**
Course Type(s): None
An intensive study of a particular subject or problem in psychology to be announced prior to registration. If a prerequisite is required it will be announced in the course schedule.

PY-499A Independent Study in Psychology **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
Independent study in psychology (experimental) research under supervision of a faculty member. May be taken for a maximum of six credits. Junior standing and prior permission of the directing instructor and department chair are required to take this course.

PY-499B Independent Study in Psychology **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
Independent study in psychology (reading and theoretical) special project under supervision of a faculty member. May be taken for a maximum of six credits. Junior standing and prior permission of the directing instructor and department chair are required to take this course.

Public Policy (PO)

PO-330 Environmental Policy **Credits: 3**
Term Offered: All Terms
Course Type(s): MEBP, PO, PSAM, PSPA, SUS
Introduces social, political, and organizational processes that influence and shape environmental and natural-resource policy. Focuses on the political arena and examines how citizens and community groups influence legislative initiatives. Also listed as PS-330.

PO-350 American Political Economy **Credits: 3**
Prerequisite(s): PS-103
Term Offered: Spring Term
Course Type(s): PO
Examination of the institutional, economic, and political factors that influence the economic decision-making process at all levels of government. Analysis of the theories, processes, principles, and concepts of public budgeting and governmental management of the economy. Also listed as PS-350.

PO-402 Internship Seminar in Policy Studies **Credits: 3**
Prerequisite(s): Completion of ninety credits director approval, and placement
Term Offered: Spring Term
Course Type(s): PO
Supervised, practical experience in policy studies; emphasis on policy process, research, evaluation, and analysis.

PO-499 Independent Study in Policy Studies **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Directed individual study of Policy Studies in areas of special interest. Prior permission of the directing professor and department chair is required to take this course.

Religious Studies (RS)

RS-101 Introduction to Religious Studies **Credits: 3**
Term Offered: All Terms
Course Type(s): CD
Introduction to the study of religion. Emphasis on the cultural history of the study of religion, classical theories and methods in the study of religion, and contemporary conversations and issues in the study of religion. Readings drawn from anthropology, sociology, history, political theory, psychology, economics, and the biological sciences.

RS-104 Ethics **Credits: 3**
Term Offered: All Terms
Course Type(s): SJL
Theoretical ethics and its application to enduring and contemporary moral issues. Thorough examination of the basic principles of a rational, humane, and practical moral system. Also listed as PL-104.

RS-201 Philosophy of Religion **Credits: 3**
Prerequisite(s): PL-101
Term Offered: Spring Term
Course Type(s): None
An examination of certain salient features of Western religious thought emphasizing the problems of religious language, the nature and validity of religious experience, traditional and contemporary ideas of God, morality, death, and evil. Also listed as PL-201.

RS-211 Introduction to Judaism **Credits: 3**
Term Offered: Fall Term
Course Type(s): CD
Introduction to Judaism provides students with a comprehensive view of Jewish thought, history, and life. Judaism has flourished in a great variety of cultures in the past and in the present. Our courses therefore examine it as a living and dynamic religion in the ancient, medieval, modern and contemporary worlds. Students will develop academically and professionally useful skills as they apply different methods and models for understanding religion, history, and culture.

RS-212 The Christian Intellectual Tradition **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Students will explore the history of Christianity through some of its most provocative and significant "turning points." They will study both the historical context and the intellectual particulars of theological and philosophical debates over the origins of the universe, the humanity of Jesus Christ, the formation of the biblical canon, the nature of religious reformation, the nature of God, and the role of religion in public life. Also listed as PL-212.

RS-216 Religions and Philosophies of India **Credits: 3**
Term Offered: Spring Term
Course Type(s): BI.EL, CD, RE
Introduction to the fundamental elements of the orthodox and non-orthodox philosophical and religious systems of India. Highlights plurality of timeless, distinct gnostic systems that, having discovered the "Self," search for liberation from the stream of time. Also listed as PL-216.

RS-272 Magic, Witchcraft, and Religion **Credits: 3**
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): WT
Explores the motivation of human behavior within the realm of religion and the supernatural with an emphasis on the role of gods and goddesses. A cross-cultural approach will be used while exploring cultures both past and present across the globe. Also listed as AN-272.

RS-277 Comparative Religions **Credits: 3**
Term Offered: All Terms
Course Type(s): BI.EL, GU, RE
Students are introduced to the fundamental differences and similarities of world religions that, throughout history, were and are at war with each other. Highlights a plurality of distinct creeds that, postulating an Absolute Truth, search to regain that Ultimate Reality through various ways of life or moral codes. Also listed as PL-277.

RS-298 Special Topics in Religion **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
Exposition and discussion of a current event or an enduring human concern with religious significance. If a prerequisite is required it will be announced in the course schedule.

RS-375 Islam and Politics **Credits: 3**
Term Offered: Spring Term
Course Type(s): RE
Examination of the interrelationship between Islam as a religion and a way of life and politics in different regions of the world. Following a quick survey of the belief and practice of Islam since its inception, the focus will be placed on the past 100 years, particularly the Muslim responses to the challenges of colonialism, modernization, and globalization and Islam's reassertion in public affairs and society. Concludes with ways for improving Islam-West relations in the hope that these will generate better understanding and peace. Also listed as PS-375.

RS-397 Christianity in Africa **Credits: 3**
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Course Type(s): RE, WT
Examination of Christianity from a historical perspective. Discussion of the foundation of the religion, its spread to the Roman Empire, and its introduction to Africa. Discussion of the proliferation of Christian missions and missionaries and the relationship between Christianity and other religions in Africa. Examination of the impact of Christianity on the social, cultural, and political life of Africans. Also listed as HS-397.

RS-400 Love, Life, and Liberty **Credits: 3**
Prerequisite(s): Completion of seventy-five credits
Term Offered: All Terms
Course Type(s): ISP
An examination of the historical and philosophical aspects of love and the assertion for freedom, starting from the biological concept of life. Throughout history, the various interpretations of these ideas have shaped the world. Students will be introduced to some of the most important, related works that are the fiber of History, Philosophy, and Science. The analysis of revered, cultural traditions will show the impact of love on the rational thinking and artistic creation. Prerequisite: Completion of seventy-five credits. Also listed as PR-400.

RS-435 The Way and the Word Hinduism **Credits: 3**
Prerequisite(s): Completion of seventy-five credits
Term Offered: Spring Term
Course Type(s): ISP
A comparison of classic texts central to two Asian traditions, The Bhagavad Gita and The Analects; the impact of the ethos of each tradition on secular narratives, Asian and Western. The disciplines represented include Comparative Religion and Literature. Also listed as PR-435.

RS-436 The Reformation **Credits: 3**
Prerequisite(s): 12 credits in History or Junior standing
Course Type(s): HSEU
A study of sixteenth and early seventeenth-century religious and political developments in Europe: causes of the Reformation, its political and social institutionalization, ideas of reformers, wars of religion, and the Counter-Reformation. Also listed as HS-436.

RS-465 Music and Religion **Credits: 3**
Prerequisite(s): Completion of seventy-five credits
Course Type(s): AT, ISP
This course explores the relationship between music and religion from a global perspective, examining ideas, values, and practices of music and sound in various religions and spiritual traditions around the world. In addition to learning about the music-cultures (context, instruments, repertoire, etc.) that coincide with various religious traditions, students will be encouraged to consider how worldview and ideology lend to differing perceptions of musical meaning, performance, form, symbolism, and the importance of sound, generally. This survey covers the most prominent world religions (Hinduism, Buddhism, Judaism, Christianity, and Islam) and their denominations, as well as Central Asian Shamanism, Japanese Shinto rituals, and religious traditions of Native Americans. Syncretic religious practices in the Americas, including, African American gospel music, Brazilian Candomblé, Cuban Santeria, Haitian Voodoo, and Jamaican Rastafarianism are also presented to examine global issues such as colonization, transculturation, and the localization of culture and religion. Drawing upon academic articles, indigenous texts, musical recordings, and videos, students can expect to be introduced to a number of theoretical dimensions that arise within studies of music and religion globally. Also listed as PR-465.

RS-499 Independent Study in Religious Studies **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Guided research on selected topics; conference with sponsoring professor. Junior standing and prior permission of the directing professor and department chair is required to take this course.

Science (SC)

SC-100 Discovery and Thinking in Natural Sciences **Credits: 3**
Term Offered: All Terms
Course Type(s): NS
The development of major concepts in the biological, chemical, and physical sciences; their importance today.

SC-103 Physical Geography **Credits: 3**
Term Offered: All Terms
Course Type(s): NS
A survey of the Earth sciences from a spatial perspective. We will use maps, diagrams, simulations, and computer mapping software to learn about the systems of the Earth. Students will gain an understanding of physical processes and patterns of the Earth's atmosphere, climate, landforms, and biosphere. Understanding of these systems will be used to examine the ways in which humans influence and adapt to Earth systems. The learning outcomes of this course satisfy a general education requirement for the Natural Sciences. Also listed as GO-103.

SC-110 Nutrition Science **Credits: 3**
Term Offered: All Terms
Course Type(s): NS
An overview of the science of human nutrition, including the basics of protein, carbohydrate, lipid, vitamin, mineral, water, and alcohol metabolism. An analysis of the relationship of diet to various health issues and current controversies in nutrition will be covered. Students will learn the elements of nutritional analysis by evaluating their personal diets. Emphasis will be on the manner in which nutrition knowledge is acquired, including a nutrition study conducted by the students.

SC-120 The Science of Food and Cooking **Credits: 3**
Term Offered: All Terms
Course Type(s): NS
This course covers concepts from chemistry, biology and physics that underpin the principles of food science and the transformations that occur during food preparation and cooking. Students will develop a scientific understanding of food preparation, cooking techniques, and recipes. Cooking demonstrations and experiments will be used to illustrate the scientific concept involved. Note: This course involves the preparation and (optional) consumption of food. If you have specific fool allergies or needs, contact the instructor to discuss any necessary arrangements.

SC-130 Climate Science for 21st Century Citizens **Credits: 3**
Term Offered: All Terms
Course Type(s): SUS, NS
Earth's climate has changed in the past and will change in the future. Climate science and hypotheses about climate change and man's effects on climate figure prominently in the news and popular culture. However, forces and feedbacks impacting climate are poorly understood by the general public. This lack of understanding originates partially because climate science is complicated and interdisciplinary, and partially because addressing climate change requires significant changes in the global energy economy, turning it into a political issue with skewed and un-scientific public discourse. This course aims to cover parts of climate science that are well established, differentiate them clearly from parts of climate science where genuine uncertainty exists and use these contrasts to illustrate the scientific methods, culture of science and science practices of the 21st Century.

SC-140 Forensic Science **Credits: 3**
Term Offered: All Terms
Course Type(s): NS
An introductory course in which scientific principles will be applied to the methods used to investigate and solve crimes. The course will focus on the principles and methods utilized in the traditional sciences of biology, chemistry, and physics. The scientific techniques used to collect and analyze evidence will be covered.

SC-150 Drug Discovery **Credits: 3**
Term Offered: All Terms
Course Type(s): NS
Concepts of biology, chemistry and pharmacology are used to examine aspects of drug discovery from early recorded history to modern treatments for disease. Additionally, students will understand the impacts of key drug discoveries on society/public health. Note: No prior biology/chemistry knowledge is assumed.

SC-160 Science of Energy **Credits: 3**
Term Offered: All Terms
Course Type(s): NS
Energy consumption is a key aspect of society that has been profoundly impacted by abundant low-cost energy. What does the future of energy look like in terms of abundance and cost? This course examines energy sources, energy needs, and the transition from geologically stored energy sources (fossil fuels) to ecologically available energy sources and conservation. It also explores the potential environmental consequences of such transition in the immediate future and long-term.

SC-170 Oceanography **Credits: 3**
Term Offered: All Terms
Course Type(s): NS
Oceanography provides a survey of physical, biological, chemical, and geological resources and the processes that define and affect ocean basins, coasts, beaches, estuaries, offshore waters and marine species. Environmental considerations include the role of oceans in global climate change issues, coastal development, exploitation of marine resources, and marine pollution. Students in the Marine and Environmental Biology and Policy (MEBP) program should take PH-270, Physical Oceanography, for elective credit.

SC-198 Special Topics in Science **Credits: 3**
Term Offered: Spring Term
Course Type(s): NS
Study of a particular subject or problem in science to be announced prior to registration. May be conducted on either a lecture-discussion or seminar basis. Courses would meet General Education requirements in the natural sciences. If a prerequisite is required it will be announced in the course schedule.

SC-233 Climate Science: Understanding our Changing Climate Credits: 3
Prerequisite(s): BY-109 or permission of the instructor
Course Type(s): NS, SUS
Climate Change is arguably the most important problem of the 21st century. Climate Science Understanding Our Changing Climate provides students with a quantitatively rigorous treatment of basic climate science as well as a scientific exploration of impacts caused by human-mediated climate change. This course aims to cover climate science from an explicitly interdisciplinary perspective, because climate science depends on chemistry, physics, biology, mathematics, computer modeling and geology for complete understanding of the climate system and because workable climate solutions are almost always interdisciplinary in nature. Climate modeling and assessment of future climate conditions and risks will be stressed.

Social Work (SW)

SW-105 Introduction to Social Work **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Social work and its professional practices, its goals, guiding philosophy, and basic assumptions; the uses of the professional relationship; roles of the professional social worker and collaborative activity in the helping process. Not open to students who have completed SO-105. Previously listed as SW-101.

SW-198 Special Topics in Social Work (100 Level) **Credits: 1-3**
Course Type(s): None
An intensive study of a particular subject or problem in social work to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

SW-199 Independent Study in Social Work **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Directed individual study of social work in areas of special interest. Prior permission of the directing professor and department chair is required to take this course.

SW-205 Global Human Rights and Social Justice **Credits: 3**
Term Offered: All Terms
Course Type(s): BI.EL, GU, SJS, SUS
Examines social issues and injustices from a global perspective. A central focus will be the struggles of individuals, families, and communities from around the world. Introduces the student to the concepts of social justice, human rights, social welfare and oppression, and discusses ways to promote social welfare from a human rights and social justice perspective.

SW-223 Human Behavior and Social Environment **Credits: 3**
Prerequisite(s): SW-105 or SW-205
Co-requisite(s): BY-104 or BY-105
Term Offered: All Terms
Course Type(s): HY
A study of significant life tasks in the physical, social, and emotional development of the individual.

SW-260 Alcohol and Drugs **Credits: 3**
Prerequisite(s): SW-105 or PY-103 or SW-205
Course Type(s): None
Addresses the special population in social work, specifically the substance abusing population. Through lecture, small group exercises, and films, the course will educate the students as to what are substance abuse and addiction, what treatment options are available, how to determine the appropriate treatment, as well as different forms of therapy and relapse-prevention work.

SW-261 Diagnosing Mental Health Issues **Credits: 3**
Prerequisite(s): SW-105 or PY-103 or SW-205
Term Offered: Fall Term
Course Type(s): None
A detailed explanation of the DSM IV and its practical use in the social work profession. Cultural applications, as well as international implications and the accurate assessment terminology, will be discussed.

SW-263 Family Counseling **Credits: 3**
Prerequisite(s): SW-105 or PY-103 or SW-205
Course Type(s): None
Introduces students to the assessment and treatment of various family systems. A continuation of the ecological perspective of systems theory and social work practice illustrated in Human Behavior and the Social Environment and Social Work Practice Techniques I. Ethnic, culture, and gender issues are included as they apply to families. Family violence, substance abuse, adolescence conflict, and marital discord are among the topics discussed.

SW-264 Addictions **Credits: 3**
Prerequisite(s): SW-105 or PY-103
Course Type(s): None
Addresses the addictions component of social work. Working with the clients and families to address the unbalance and dysfunction in their lives through assessment, treatment planning, and individual, group, and family therapy. Covering eating disorders, gambling, nicotine, sexual addiction, and workaholism.

SW-265 Creative Therapies **Credits: 3**
Prerequisite(s): SW-105 or PY-103 or SW-205
Course Type(s): None
With creative and interactive approaches, the students will recognize and appreciate their personal experiences to better assess the needs of their clients, as well as enhance conventional therapeutic methods. Also introduces alternate approaches to talk therapy to work with specialized client groups, such as young, traumatized, or non-verbal clients.

SW-266 Spirituality and Social Work **Credits: 3**
Prerequisite(s): SW-105 or PY-103 or SW-205
Course Type(s): None
Explores spirituality as it broadly relates to the profession of social work. Holistic concepts under the definition of spirituality will be explored. The many ways spirituality can be used in social work practice settings will be discussed. Methods of spiritual practice and approaches to healing will be covered. Spirituality will be differentiated from formal religion.

SW-276 Administration of Gerontological Services **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
The examination of the theory and practice of the administration of programs designed to meet the needs of older adults, with an emphasis on structure of organizations, impact of public policies and funding patterns on agencies, styles of administration, development and presentation of a budget, management of public information, and relationships with other gerontological agencies.

SW-278 Family Violence **Credits: 3**
Term Offered: Spring Term
Course Type(s): GS
The characteristics and dynamics of violent families. Emphasis on the issue of domestic violence as it relates to cultural values and beliefs. Myths, motivations, and linkages to substance abuse will be addressed, as well as appropriate interventions and treatment methods.

SW-298 Special Topics in Social Work (200 Level) **Credits: 1-3**
Term Offered: Spring Term
Course Type(s): None
An intensive study of a particular subject or problem in social work to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

SW-299 Independent Study in Social Work **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Directed individual study of social work in areas of special interest. Prior permission of the directing professor and department chair is required to take this course.

SW-317 Racism, Sexism, and Social Welfare **Credits: 3**
Term Offered: Spring Term
Course Type(s): CD, GS
Analysis of institutional racism and sexism in relation to social welfare; the nature of social work intervention with racial and ethnic minorities and women.

SW-324 Environmental Justice and Sustainable Development in Social Work **Credits: 3**
Term Offered: Fall Term
Course Type(s): GU, HY
This course will address environmental justice and sustainable development in social work using a social justice and human rights framework embodied in Green Social Work and the UN Sustainable Development Goals. The course will highlight social work skills, knowledge and values necessary for working with communities, groups and organizations on issues of environmental justice and sustainable development. Social work pathways to facilitating environmental justice will be explored and developed, grounded in local and global policy and program solutions that "promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all".

SW-326 Social Welfare Policy and Services **Credits: 3**
Prerequisite(s): SW-223 and either EN-101 or EN-102
Term Offered: Spring Term
Course Type(s): WT
Dimensions of choice in social welfare policy design; eligibility for service; structures, staffing, and funding for services; theoretical material related to current developments and services in the field.

SW-332 Gender and Sexual Identities **Credits: 3**
Prerequisite(s): SO-101
Term Offered: Spring Term
Course Type(s): CD, GS, SI, SJS
Draws on sociological and feminist theories of identity to question the definitions, constructions, deconstructions, ambivalences, and socially constructed nature of gender and sexual identities. In questioning such identities, this course aims at helping students understand the connections between gender and sexuality, and how those two social forces shape people's individual identities and the identities of others. The course examines how structure of race, class, gender, and sexuality, and social institutions such as family and work shape gender and sexual identities. It pays particular attention to how one's social location within power structures shapes personal identities. Also listed as SO-332.

SW-341 Social Work Practice with Groups **Credits: 3**
Prerequisite(s): SW-223 passed with a grade of C or higher
Term Offered: Fall Term
Course Type(s): None
Methods and skills utilized in generalist social work practice; major methods of social work intervention with individuals, groups, and communities using case analysis and theoretical concepts.

SW-342 Social Work Practice with Individuals and Families Credits: 3
Prerequisite(s): SW-105 and SW-223 both passed with a grade of C or higher
Co-requisite(s): SW-342L
Term Offered: Spring Term
Course Type(s): EX5
Methods and skills utilized in generalist social work practice; major methods of social work intervention with individuals, groups, and communities using case analysis and theoretical concepts. Students complete 100-hour internship.

SW-342L Social Work Practice with Individuals and Families Lab Credits: 1
Prerequisite(s): SW-223
Co-requisite(s): SW-342
Term Offered: Spring Term
Course Type(s): None
Designed to provide students with a hands-on experience with the assessment skills and tools taught in Social Work Practice with Individuals and Families class (SW-342). Students will become familiar with videotaping equipment and will develop strong assessment skills to be used with clients in the field. For Social Work majors only.

SW-344 Social Work Practice with Communities Credits: 3
Prerequisite(s): SW-223
Term Offered: Spring Term
Course Type(s): None
Examines conceptual models of community social work; development of skills to help promote social change.

SW-371 International Service Seminar Credits: 3
Prerequisite(s): PS-102
Term Offered: Spring Term
Course Type(s): PSIP
Students will learn to unite theory and practice by studying theories and policies based on human security, and learning about their applications through service-learning projects. Students will enhance their understanding of human security by volunteering in international community organizations and reflecting on the social, political, and economic factors and policies that affect them. Also listed as PS-371, AN-371 and SO-371.

SW-383 Migration and Intercultural Cooperation Credits: 3
Course Type(s): GU, RE
Students will become familiar with issues and strategies to deal with immigrant populations effectively. Discussions will be directed towards increasing intercultural cooperation, respect for the principle of peaceful co-existence, and diversity as a strength for economic growth and societal progress. Emphasis will also be given to the theories related to ethnicity, race, culture, and geographic location of the origin of immigrant populations. Special attention will be given to the diverse issues that arise from the varied cultural backgrounds of immigrants and refugees. Students will learn skills related to culturally appropriate and tailored interventions. Experiential learning will be utilized. Prepares students using a strength-based empowerment approach to effectively utilize required resources serving the needs of diverse, immigrant populations.

SW-398 Special Topics in Social Work (300 Level) Credits: 1-3
Course Type(s): None
An intensive study of a particular subject or problem in social work to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

SW-399 Independent Study in Social Work Credits: 1-3
Term Offered: All Terms
Course Type(s): None
Directed individual study of social work in areas of special interest. Prior permission of the directing professor and department chair is required to take this course.

SW-409 Social Work Research Methods Credits: 3
Prerequisite(s): EN-101 and EN-102
Co-requisite(s): SW-421
Term Offered: Fall Term
Course Type(s): WT
Basic skills necessary for Social Work research: problem formulation, theoretical framework development, research design, methods of data collection, evaluation techniques, and data analysis.

SW-411 Data Analysis for Social Work Credits: 3
Prerequisite(s): MA-105; this course is for Social Work majors only
Course Type(s): None
Introduction to the basic knowledge and skills necessary for the analysis of data collected or reported in social work research. Preparation for the social work practitioner to assess the adequacy of statistical procedures and to appropriately choose statistical procedures to make order out of data collected within their own research. Not open to students who have successfully completed MA-151. Limited to Social Work majors.

SW-412 Practice Evaluation in Social Work Credits: 3
Prerequisite(s): SW-409, SW-411 or MA-151, Senior standing, and EN-101 and EN-102
Co-requisite(s): SW-422
Term Offered: Spring Term
Course Type(s): None
Applications of research methods to social work practice. Using skills in practice evaluation, advanced research in single-system design will be conducted.

SW-421 Field Practice in Social Work Credits: 6
Prerequisite(s): SW-342 and SW-344 both passed with a grade of C or higher.
Co-requisite(s): SW-409 or CJ-315 (for CJ/SW majors).
Term Offered: Fall Term
Course Type(s): EX5
Supervised experience in a social agency; direct work with individuals, groups, or communities; preparation for professional responsibility upon graduation. Sixteen hours per week in placement and a weekly seminar at the University.

SW-422 Advanced Field Practice in Social Work Credits: 6
Prerequisite(s): SW-421 passed with a grade of B- or higher.
Co-requisite(s): SW-412 or CJ-490 (for CJ/SW majors).
Term Offered: Spring Term
Course Type(s): EX5
Advanced field practice; direct services to individual clients, families, groups, and communities, with the possibility of administrative experiences. Sixteen hours per week in placement and a weekly seminar at the University.

SW-424 New Perspectives on Human Sexuality Credits: 3
Prerequisite(s): 9 credits from either Social Work, Sociology, Psychology or Anthropology
Course Type(s): None
Recent research and developments in the field of human sexuality focusing on individual and social problems.

SW-426 Seminar in Social Work **Credits: 3**
Prerequisite(s): EN-101, EN-102, SW-421 and Senior standing
Term Offered: Spring Term
Course Type(s): WT
Seminar focusing on topics of particular interest to Social Work students planning to enter practice or graduate school.

SW-461 Culturally Diverse Child Welfare Practices **Credits: 3**
Term Offered: All Terms
Course Type(s): CD, RE
Provides an understanding of the context from which the practice of child welfare originates, examining the impact of policy upon the direct care of children at risk. Contemporary issues that face children at risk such as sexual abuse, neglect, physical abuse, poverty, and maternal substance abuse are covered, as well as recommended services and treatment that address these concerns. Public child welfare in New Jersey will be of central focus, including the impact and changes of the system's reform plan. In addition, issues of cultural diversity and cultural difference in child welfare practices and child rearing behaviors will be reviewed, with a focus on how the child welfare system could better infuse diversity of experience in policy and practice.

SW-498 Special Topics in Social Work (400 Level) **Credits: 1-3**
Prerequisite(s): SW-421
Term Offered: Spring Term
Course Type(s): None
An intensive study of a particular subject or problem in social work to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If there is a prerequisite for this course it will be announced in the course schedule.

SW-499 Independent Study in Social Work **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
Directed individual study of social work in areas of special interest. Prior permission of the directing professor and department chair is required to take this course.

Sociology (SO)

SO-101 Introduction to Sociology **Credits: 3**
Term Offered: All Terms
Course Type(s): SS.SV
A systematic introduction to the major questions, perspectives, and methods of sociology; basic conceptual vocabulary; analysis of individual and group behavior within special areas.

SO-102 Social Problems **Credits: 3**
Term Offered: Spring Term
Course Type(s): SS.SV
An analysis of social problems in contemporary society; poverty, race, gender and age inequality; work; urbanization; crime; mental illness; and drug use.

SO-107 Introduction to Social Justice **Credits: 3**
Term Offered: All Terms
Course Type(s): SS.SV
Provides a conceptual and practical basis to understand, interpret, and solve social problems in fair, equitable, and just ways. Also listed as PS-107.

SO-109 Civic Engagement and Leadership **Credits: 1**
Term Offered: Spring Term
Course Type(s): None
Civic responsibility, engagement, and leadership are encouraged through active student involvement in a community or campus organization. Students will perform twelve hours of public service over the course of the semester working for an organization that addresses a particular issue of public concern. Also listed as PS-109.

SO-198 Special Topics in Sociology (100 Level) **Credits: 1-3**
Course Type(s): None
An intensive study of a particular subject or problem in sociology to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

SO-201 Global Social Problems **Credits: 3**
Course Type(s): GLS, RE
Leading areas of tension, crisis, and debate in the contemporary world with emphasis on global population trends, global poverty and hunger, and inequality among nations in the world's economic system and their social policy implications.

SO-203 Career Course in Sociology **Credits: 1**
Term Offered: Spring Term
Course Type(s): None
An introduction to various career opportunities with an undergraduate degree in sociology. It will cover some of the skills necessary for successfully seeking employment and gaining acceptance into graduate school. It will provide sociology and related majors with the opportunity to reflect on professions that use the skills gained through a B.A. program in sociology and to consider their future interests and direction. Students will experience opportunities to prepare for career situations and develop materials to present their abilities to potential employers. This is a one-credit hour course meeting once a week.

SO-207 Principles of Community Organizing **Credits: 3**
Prerequisite(s): SO-101 or SO-102, SO-107 or PS-107, GS-225 or SO-225, GS-252 or SO-252, and SO-272.
Term Offered: Fall Term
Course Type(s): SJS
Explores the basic principles of community organizing through the lens of sociological theory. Students are introduced to the history of community organizing in the United States, and to the major community organizing traditions that have been used in social justice and social movement work past and present. The course includes focus on central skills of organizing, including but not limited to issue identification, recruitment, actions, and research, as well as movement-building, popular education and training as related to core sociological concepts. Across the term, the course pays particular attention to the ways that race, class, gender, sexuality, indigeneity and other forms of difference shape privilege and power.

SO-225 Introduction to Gender Studies **Credits: 3**
Prerequisite(s): Completion of three credits
Term Offered: All Terms
Course Type(s): CD, GS, SI, SJS, SS.SV
Examines gender inequalities and the pervasiveness of gender as a way of structuring/organizing social life. Emphasizes how gender as a social structure intersects with other social structures such as race, class, and sexuality to legitimize power and privilege and/or constrain diverse groups of people. Critiques conventional theories of gender and sociology and covers a broad spectrum of topics using feminist and sociological perspectives. Also pays attention to the connection between social structure and human agency - how people's experiences are both shaped by social forces and shaped through human action. Also listed as GS-225.

SO-231 Urban Sociology **Credits: 3**
Prerequisite(s): SO-101
Course Type(s): RE
Theoretical analysis of the modern, urban community, including the history of the city and analysis of urban institutions and behavior patterns; problems relating to metropolitan and suburban areas, community planning, and urban renewal. Also listed as GO-231.

SO-234 Sports and Society **Credits: 3**
Prerequisite(s): SO-101
Term Offered: All Terms
Course Type(s): COSPT, GS, HE.EL, HEPE, SIN
The increasingly important role of sports as an institution in modern society. Sports in relation to racism, sexism, education, values, and stratification systems.

SO-241 Criminology **Credits: 3**
Prerequisite(s): CJ-101 or SO-101 or SO-102; and EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): WT
Explanations of the causes of property and violent offenses. Discussion of white collar, professional and organized crime, and the problem of criminal statistics. Also listed as CJ-241.

SO-243 Juvenile Delinquency **Credits: 3**
Prerequisite(s): SO-101
Course Type(s): SJS
History of the concept of delinquency; extent and nature of delinquent behavior; explanations of delinquent behavior; police and court responses to juveniles; and a review of rehabilitative and treatment modalities.

SO-244 Deviance **Credits: 3**
Prerequisite(s): SO-101 or SO-102 or CJ-101
Term Offered: Spring Term
Course Type(s): None
How society creates and responds to deviant behavior, ranging from violations of courtesy to homicide. Analysis of the system of social control, including the police, education, psychiatry, and the state.

SO-245 Theories of Society I **Credits: 3**
Prerequisite(s): EN-101, EN-102, and SO-101
Term Offered: All Terms
Course Type(s): WT
The wide range of theoretical paradigms that characterized the discipline of sociology from the emergent period of industrialization to the rise of modernity are investigated. More specifically, the major foundations of classical sociology theory as it emerged in the mid -nineteenth century, moving beyond the narrowly constructed cannon of Marx, Weber and Durkheim, toward a more accurate and inclusive look at our intellectual roots as manifested in the works of Gilman, Simmel, DuBois and Mead are explored. Throughout the course, we critically engage in a kind of "sociology of knowledge" as we situate these central ideas and schools of thought in the social, political and economic contexts of the larger society, as well as their specific social history of the discipline. Finally, we engage the course with a preview of the ways in which the wide range of theoretical paradigms that characterized the nascent years of the discipline of sociology set the stage for the development of the modernist and postmodernist traditions, including, but not limited to critical theory; structural functionalism; symbolic interactionism; and feminist and critical race theories.

SO-250 Fundamentals of Social Science Research **Credits: 3**
Term Offered: All Terms
Course Type(s): TL
An introduction to the different ways in which social scientists study the social world. Designed to develop students' understanding of the major purposes of social research as well as the major types of quantitative and qualitative research designs. Students will learn the research process itself, from conceptualization and measurement to operationalization, sampling, ethics, and the analysis and presentation of their proposed study. As part of the research process, students will use spreadsheet, presentation, and word processing software to build datasets, analyze data, and design and present research. Also listed as PS-250. Political Science majors should register for PS-250. This course is for Sociology majors only, or other majors with instructor permission.

SO-252 Race and Ethnicity **Credits: 3**
Term Offered: All Terms
Course Type(s): ADS, CD, GS, RE, SI, SJS
Introduces students to the sociological study of race and ethnicity in the United States as interrelated social systems of power that grant a range of material and non-material advantages to different groups of people based on socially constructed definitions of race and ethnicity, particularly as race and ethnicity intersect with a variety of other social structures such as gender and class. Focuses on the historical legacy and current practices of institutionalized racism that have and continue to shape social relations in the U.S. Also listed as GS-252.

SO-261 Sociology of Family **Credits: 3**
Prerequisite(s): SO-101 or SO-225 or GS-225.
Term Offered: All Terms
Course Type(s): GS, SJS
Analysis of the institution of marriage and family in contemporary America with cross-cultural, sub-cultural, and historical references, including mate selection, family roles and relationships, parenthood, and childhood.

SO-271 Ethics, Justice and American Prisons **Credits: 3**
Prerequisite(s): SO-101
Term Offered: Fall Term
Course Type(s): SJS
Explores the rise of mass incarceration in the United States, with a critical look at the ethical, socio-cultural, political and economic factors that shape the American prison system today. The course is also the gateway course to The Monmouth University Academic Exchange Program, also referred to as MU-AEP, a collaborative effort between Monmouth University and the New Jersey Department of Corrections. This program, of which this course is a requirement, is offered by Monmouth University to help to facilitate a transformative exchange of ideas and perspectives between incarcerated students and non-incarcerated students and non-incarcerated students inside the New Jersey state prison. Also listed as CO-271.

SO-272 Economic Inequality **Credits: 3**
Prerequisite(s): SO-101
Term Offered: Spring Term
Course Type(s): CD, SI, SJS
Status, power, authority, and social mobility are the key concepts that sociologists use to study the role of social classes in contemporary, American society. The course covers notable studies of the American class system. It provides a close look at the power relations and lifestyles of various classes and considers the pervasive influence of class identity on social institutions.

SO-274 Global Inequalities **Credits: 3**
Prerequisite(s): SO-101 or PS-102
Term Offered: All Terms
Course Type(s): BI.EL, GLS, GU, RE, SJS, SUS
A sociological and political look at global inequalities. Explores diverse themes and aspects of a global society, including the forces that are causing and perpetuating global inequalities. It also looks at the social, political, economic, and cultural consequences of those inequalities. Also listed as PS-274.

SO-278 International Political Economy **Credits: 3**
Prerequisite(s): PS-102
Term Offered: Spring Term
Course Type(s): GLS, PSIP, RE
The role that international institutions, transnational actors, and foreign governments play in the production, distribution, and consumption of resources will be investigated. Since much of international political economy has to do with various thinkers and schools of thought, an appropriate emphasis will be given to some of the important works in the field. For example, we will be analyzing the contributions of Liberal, Marxist, and Statist thinkers and the various perspectives that have been used to analyze the way policies are made, agreements are reached, and resources distributed. Following the establishment of this theoretical framework, we will focus on the growth of regional integration, the role of hegemony in maintaining the stability of international systems, strategies of economic development, and the role of multinational and transnational companies in both the industrial and developing world. In essence, this course is concerned with looking at the relationship between power and wealth and the balance between the state and the market. Also listed as PS-278.

SO-280 Peer Tutoring **Credits: 1**
Course Type(s): None
Peer tutoring experience. Students will prepare course-related information for presentation to students in courses at the 100- or 200-levels. Peer tutors will meet weekly with a faculty supervisor and assigned students. Permission of the instructor required.

SO-298 Special Topics in Sociology (200 Level) **Credits: 1-3**
Prerequisite(s): SO-101
Term Offered: All Terms
Course Type(s): None
An intensive study of a particular subject or problem in sociology to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

SO-299 Independent Study in Sociology **Credits: 1-3**
Term Offered: Spring Term
Course Type(s): None
Guided readings on a topic not otherwise covered in the curriculum. Student must have a least a 2.50 cumulative G.P.A. Prior permission of the directing professor and department chair is required to take this course.

SO-302 Data Analysis for Social Sciences **Credits: 3**
Prerequisite(s): PS-250 or SO-250
Term Offered: Spring Term
Course Type(s): None
Introduces students to techniques used to evaluate social science data; addresses strategies for analyzing qualitative data and presents social science applications of quantitative techniques such cross tabulation, t-test, and regression. Students will learn to apply procedures to test hypotheses. Also listed as PS 302.

SO-307 Practicum in Applied Social Research **Credits: 3**
Prerequisite(s): PS-250 or SO-250
Term Offered: Spring Term
Course Type(s): SJS
An advanced introduction to the principles and methods of conducting social science research for the express purpose of solving social problems. Informed by sociological theories in the tradition of public sociology, students will explore a wide range of applied research strategies, including: community-based research (CBR); participatory action research (PAR); policy research; evaluation research; and power analyses for community organizing. The course also addresses key ethical, political and logistical challenges that shape the work of applied social scientists in the field.

SO-308 Resistance and Revolution: Exploring Social Movements & Social Change **Credits: 3**
Term Offered: All Terms
Course Type(s): SJS
Social movements are sustained efforts through which people act collectively to create or resist changes in political, social, economic, legal, and/or cultural systems, as well as specific institutions. Through a combination of theoretical exploration and case studies, this course is designed to generate an in-depth understanding of social movements of the past and the present. We will address questions such as: What events precipitate movements? How do political, social, economic and cultural forces shape movements and influence their outcomes? How have artistic works and creative tactics been used for pursuing social change? In what ways have social media changed the landscape of social action? How have social scientists researched and participated in movements? The course will also explore the work of organizing, strategizing, recruiting participants, leadership development, and tactical decision-making, in addition to the other forms of "on the ground" work within movements. Also listed as PS-308

SO-309 Sociology Internship Seminar **Credits: 3**
Term Offered: All Terms
Course Type(s): EX5
Provides an opportunity for students to apply classroom theory in practice through actual work experience. Includes both academic and experiential learning. The experiential part involves a minimum of 120 hours of work experience during the semester for three credit hours. The academic aspect includes maintaining a journal log and writing a final report.

SO-316 Policy Research **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
The principles of social research, with emphasis on an understanding of the policy-making or planning process; development of applied research skills, combining policy-making, implementation, and scientific or empirical research.

SO-320 Small Group Communication **Credits: 3**
Term Offered: Spring Term
Course Type(s): EX3
Students explore academic perspectives on the process of group communication, leadership, conflict, decision-making, and problem solving, then reflect on and apply these perspectives outside the classroom in the context of a service learning project. Also listed as CO-320.

SO-325 Survey Research Consulting **Credits: 3**
Prerequisite(s): PS-250 or SO-250 or CO-292 or SW-409 or PY-220 or CJ-315 or HLS-315 or HE-290 or NU-355 or permission of the instructor
Term Offered: All Terms
Course Type(s): None
Provides students with real-world experience in the application of social science methodology, specifically survey research. The course is designed to strengthen social science research methods skills as well as competencies in professional communication and collaboration. Students, as a class, will work on a small-scale project (e.g. needs assessment, program evaluation, marketing study, etc.) for a "client" - a non-profit organization, government agency, small business, or academic institute - who has agreed to collaborate as a service learning opportunity. The client is not paying for this service and understands the limitations of working with consultants-in-training. However, the course will strive to adhere to the highest standards in both survey research practice and the client-consultant relationship. Also listed as PS-325.

SO-331 Political Sociology **Credits: 3**
Prerequisite(s): SO-101
Course Type(s): None
Analysis of the interplay among political and social behavior, bureaucracies, voluntary associations, and government. The social basis of democracy; emphasis on conflict and consensus models of power.

SO-332 Gender and Sexual Identities **Credits: 3**
Prerequisite(s): SO-101
Term Offered: Spring Term
Course Type(s): CD, GS, SI, SJS
Draws on sociological and feminist theories of identity to question the definitions, constructions, deconstructions, ambivalences, and socially constructed nature of gender and sexual identities. In questioning such identities, this course aims at helping students understand the connections between gender and sexuality, and how those two social forces shape people's individual identities and the identities of others. Examines how structures of race, class, gender, and sexuality, and social institutions such as family and work shape gender and sexual identities. It pays particular attention to how ones' social location within power structures shapes personal identities. Also listed as SW-332.

SO-360 Political Economy in the Developing World **Credits: 3**
Prerequisite(s): PS-102 or PS-103
Term Offered: Spring Term
Course Type(s): PSIP, SJS
This course introduces undergraduate students to the core concepts, theories and debates of political economy in the context of developing world countries. The primary unit of analysis will be the national case study (i.e., Brazil or Indonesia) rather than the international system or international institutions (for example, World Bank, IMF or global financial markets.) The aim is to provide the intellectual tool set to evaluate questions and challenges of political and economic development and modernization across a range of national case studies from Latin America, the Caribbean, Africa, the Middle East and Asia. Also listed as PS-360.

SO-364 Law and Society **Credits: 3**
Prerequisite(s): SO-101 or PS-102 or PS-103
Term Offered: All Terms
Course Type(s): PSAL, SIN, SJL
The evolution of law, social forces influencing law, social impact of law, and law as an instrument of social control and social change. Also listed as PS-364.

SO-368 Applied Ethics in American Prisons **Credits: 3**
Prerequisite(s): SO-271 or CO-271
Term Offered: Spring Term
Course Type(s): SJS
The second in the sequence of the Monmouth University Academic Exchange Program, a collaborative effort between Monmouth University and the New Jersey Department of Corrections. This program, of which this course is a requirement, is offered by Monmouth University to help to facilitate a transformative exchange of ideas and perspectives on the topics of ethics and social issues between incarcerated students and non-incarcerated students inside a New Jersey prison. Also listed as CO-368.

SO-369 Feminist Theories **Credits: 3**
Prerequisite(s): SO-225 or GS-225
Course Type(s): GS
Advanced exploration of the major currents of feminist social theory as they have emerged from feminist movement histories in the U.S. and globally. Students will critically examine competing feminist explanations for the history and persistence of gender inequality, as well as deconstruct sex, gender, sexuality from a range of feminist perspectives. The course will also invite students to consider what it means to be "feminist" and how these meanings are connected to the relations and tensions between gender, sexuality, race/ethnicity, class, ability, and nation. In particular, students will compare and contrast key concepts and theoretical assumptions of major feminist theories with a commitment to intersectional analyses. Students will also apply feminist theory to better understand social relationships, organizations, and politics, and self-reflect on how course content applies to their lives as people situation within multiple social contexts and identities. Also listed as GS-369.

SO-371 International Service Seminar **Credits: 3**
Prerequisite(s): PS-102
Term Offered: Spring Term
Course Type(s): PSIP
Students will learn to unite theory and practice by studying theories and policies based on human security, and learning about their applications through service-learning projects. Students will enhance their understanding of human security by volunteering in international community organizations and reflecting on the social, political, and economic factors and policies that affect them. Also listed as SW-371, AN-371, and PS-371.

SO-375 Social Movements and Social Change **Credits: 3**
Prerequisite(s): 9 credits in Sociology
Course Type(s): None
Overview of major contemporary and classical theories of social change within an international and historical context; the social impact of change; effects of social variables on change processes; and assessment of predictive models of change.

SO-379 Work and Society **Credits: 3**
Prerequisite(s): 3 credits in Sociology
Term Offered: Spring Term
Course Type(s): SIN
An examination of the individual experience of work: socialization, occupational choice, career development, worker (dis)satisfaction, and unemployment; the organization of work: bureaucracy, professionalism, racism and sexism, theories of motivation, and the reward structure.

SO-390 Washington Center Internship **Credits: 7-12**
Term Offered: Spring Term
Course Type(s): EX5
This internship allows students in all majors to intern at government agencies, public service organizations, and business associations located in Washington, DC. Under the supervision of Washington Center supervisors and faculty, students gain substantive entry-level professional experience along with academic credit over the course of one semester. In general, students are required to intern in a government agency or public organizations four and a half days per week and attend educational seminars and workshops and participate in professional forums conducted by the Washington Center. In addition, students must complete learning objectives and assignments specified by Monmouth University faculty sponsors. Also listed as CO-390 and PS-390. Junior standing and a minimum G.P.A. of 2.50 is required to register for this course.

SO-393 Washington Center Course **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Students participating in a Washington Center Internship are required to enroll in a three credit seminar. A list of available courses is forwarded to all students prior to the beginning of the Fall, Spring, and Summer term. Regular offerings include: politics, professional communication, the fine and performing arts, and economics. Also listed as CO-393 or PS-393. Junior standing and a minimum G.P.A. of 2.50 is required to take this course.

SO-396 Sociology of Education **Credits: 3**
Prerequisite(s): SO-101 or higher level course OR Permission of the Instructor.
Term Offered: Spring Term
Course Type(s): None
This course encourages students to study education as a social institution using a sociological lens. The course introduces students to the study of education as a social institution, particularly examining how social inequalities such as race, class, gender, and sexuality shape educational experiences of youth today. Students will also examine the cultural, social, economic, and political structures that shape education as a social institution.

SO-397 The Sociology of Aging **Credits: 3**
Prerequisite(s): EN-101 and EN-102
Term Offered: All Terms
Course Type(s): EX5, WT
A service learning course that encourages students to become involved with the elderly population in the area. It introduces students to the sociological study of social gerontology or, more specifically, aging. Students will examine the cultural, social, and political structures that define the aging process and will study and practice ethnographic, life history in order to conduct life histories of seniors within the local community.

SO-398 Special Topics in Sociology (300 Level) **Credits: 1-3**
Prerequisite(s): PY 103 or GS-225 or SO-101
Term Offered: All Terms
Course Type(s): None
An intensive study of a particular subject or problem in sociology to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If there is a prerequisite it will be announced in the course schedule.

SO-399 Independent Study in Sociology **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Guided readings on a topic not otherwise covered in the curriculum. Students must have at least a 2.50 cumulative G.P.A. and prior permission of the directing professor and department chair to take this course.

SO-403 Theories of Society II **Credits: 3**
Prerequisite(s): EN-101, EN-102 and 9 credits in Sociology
Course Type(s): WT
The wide range of theoretical paradigms that characterized the discipline of sociology from the emergent period of modernity to our current postmodern era is investigated. In the first half of the course, the traditions of critical theory; structural functionalism; symbolic interactionism; and phenomenology as key schools of thought in the modernist period are examined. In the second half, the most contemporary, and overlapping, additions to the theoretical landscape in sociology in our study of feminist and gender theories; critical race theories; post-modernism; and global theoretical perspectives are examined. Throughout the course, there will be critical engagement in a kind of "sociology of knowledge" as we situate these central ideas and schools of thought in the classic theoretical traditions from which they may intellectually descend, as well as in the more current political and economic contexts that influenced the emergence of these contemporary perspectives.

SO-490 Sociology Thesis Proposal **Credits: 3**
Prerequisite(s): SO-101, 9 credits in Sociology and completion of fifty-seven credits
Term Offered: Spring Term
Course Type(s): None
Provides students with the opportunity to begin the process of conducting original research in sociology in which they will ultimately produce primary research, analyze data, and write up their findings, discussion, and conclusions. This course allows students to begin the work that they will complete in Sociology Thesis class (SO-491), thus ultimately resulting in a final Senior thesis. Students will write a comprehensive thesis proposal including an introduction and statement of purpose, theory section, literature review, and preliminary methods section.

SO-491 Sociology Thesis **Credits: 3**
Term Offered: Fall Term
Course Type(s): RD
Provides students with the opportunity to complete an original research project in sociology in which they will conduct primary research, analyze their data, and write up their findings, discussion, and conclusion. This course will also allow students to combine the work conducted in their proposal class (SO-490) with the work conducted in this semester, thus resulting in a complete Senior thesis. Students will present their work two times: once as practice for the class and a second time for members of the Department of Political Science and Sociology and invited guests. Hence, the goal of this course is to present a holistic perspective to students and serve as their gateway to future studies and plans.

SO-498 Special Topics in Sociology (400 Level) **Credits: 1-3**
Term Offered: Spring Term
Course Type(s): None
An intensive study of a particular subject or problem in sociology to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

SO-499 Independent Study in Sociology **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Guided readings on a topic not otherwise covered in the curriculum. Student must have at least at 2.50 cumulative G.P.A. and prior permission of the directing professor and department chair to take this course.

Software Engineering (SE)

SE-199 Independent Study in Software Engineering **Credits: 3**
Term Offered: Summer Term
Course Type(s): None
Independent Study of a particular subject or problem in software engineering under the guidance of a software engineering faculty member. Prior permission of the directing professor and department chair is required to take this course.

SE-205 Requirements Engineering and Specifications **Credits: 3**
Prerequisite(s): CS-104 and CS-175
Term Offered: All Terms
Course Type(s): None
Elicitation, analysis, specification, validation, and management of user requirements; process, notations, methods and tools, requirements standards, system requirements specifications document (SRS).

SE-207 Software Design and Architecture **Credits: 3**
Prerequisite(s): CS-104 and CS-176; and EN-101 and EN-102 or permission of the instructor
Term Offered: Spring Term
Course Type(s): WT
Design process notations, methods, paradigms, and tools. System architecture tradeoff analysis; component and subcomponent specification. Generic (domain) design; architectural styles, frameworks, and patterns. Architecture standards; design tools.

SE-289 Internship in Software Engineering **Credits: 3**
Term Offered: Summer Term
Course Type(s): EX1
Supervised practical experience in Software Engineering. Repeatable for credit. Junior standing, departmental approval, and placement are required to take this course.

SE-299 Independent Study in Software Engineering **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Independent Study of a particular subject or problem in software engineering under the guidance of a software engineering faculty member. Prior permission of the directing professor and department chair is required to take this course.

SE-301 Android Application Development **Credits: 3**
Prerequisite(s): CS-205 and CS-205L
Course Type(s): None
This course will teach students software methodologies for Android App Development. This will include Android Development Studio, Kotlin programming language, and interfaces to external services required to develop simple to moderately complex Android mobile apps. Also listed as CS-301.

SE-306 Formal Methods in Software Engineering **Credits: 3**
Prerequisite(s): MA-120 or MA-130, and MA-220, passed with a grade of C or higher.
Term Offered: All Terms
Course Type(s): None
Covers a variety of formal methods and applies them to software-specification development. Assumes a firm grounding in mathematical logic, knowledge of proof techniques, and skill in the translation of problems expressed in English into predicate logic.

SE-312 Software Verification, Validation, and Maintenance Credits: 3
Prerequisite(s): CS-104 and CS-176
Term Offered: All Terms
Course Type(s): None
Covers inspections of requirements, design and code, as well as testing, the handling of change requests, software evolution, code comprehension, and change management.

SE-337 Enterprise Mobile iOS Apps Design and Development Credits: 3
Prerequisite(s): CS-205 passed with a grade of C or higher
Term Offered: Fall Term
Course Type(s): None
Presents methodologies to build enterprise mobile apps on iPad tablets and iPhone smartphones using iOS. The course will cover technologies to use in the design and development of apps on mobile devices and integration of these apps with corporate data sources, sensor devices and cloud computing services. Also listed as CS-337.

SE-352 Embedded and Real-Time Software Credits: 3
Prerequisite(s): CS-176, CS-176L, and SE-205 all passed with a grade of C or higher.
Term Offered: Spring Term
Course Type(s): None
Familiarizes students with the fundamental issues related to embedded and real-time software systems and gives them an opportunity to become familiar with a commercially available system for developing and testing embedded and real-time software. Topics include: definition of embedded systems, process concurrency, interprocess communications, synchronization, and process scheduling.

SE-353 Comparative Languages Credits: 3
Prerequisite(s): CS-176
Course Type(s): None
Begins with a history of the development of programming languages that provides the background necessary to understand programming-language design and evaluation. This is followed by an introduction to the basic programming language constructs and then critically comparing their implementation in some of the most common languages. Included is a discussion of the advantages and disadvantages of modern programming languages for a variety of applications. Some of the languages discussed are LISP, C, Small Talk, C++, Java, Ada, PL/1, and Prolog.

SE-357 Engineering Full-Stack Software Applications Credits: 3
Prerequisite(s): CS-176 and CS-176L
Term Offered: All Terms
Course Type(s): None
A practical introduction to the principles, methods, and tools required to create high-quality software applications for the distributed, client-server context of the Web. Emphasis is on architectural designs, and language and data access methods that are common in Web-based systems. Also listed as CS-357.

SE-358 Software Frameworks Credits: 3
Prerequisite(s): EN-101, EN-102, CS-205 and SE-207 both passed with a grade of C or higher; and SE-357 or CS-357, or permission of the instructor.
Term Offered: Spring Term
Course Type(s): WT
An introduction to Design Patterns and modern Software Frameworks, programming languages, data access methods and asynchronous Application Programming Interfaces (APIs). This is a writing intensive course. Restricted to Computer Science or Software Engineering students only. Also listed as CS-358. SE-357 or CS-357 or permission of the instructor.

SE-360 Introduction to Game Development Credits: 3
Prerequisite(s): CS-205 passed with a grade of C or higher
Term Offered: Fall Term
Course Type(s): None
An introduction to the creation of computer/video games and the different elements of games, including computer graphics, animation, artificial intelligence, algorithms, data structures, networking, software development cycles and human-computer interaction. Also listed as CS-360.

SE-370 Program Development Under Unix Credits: 3
Prerequisite(s): CS-176 passed with a grade of C or higher
Term Offered: Fall Term
Course Type(s): None
Introduction to the use of the UNIX operating system and its utilities for incremental and distributed program development, maintenance, and debugging. The course covers the UNIX shell, utilities, and program development tools that are used for large projects involving multiple developers on multiple machines. Three hours per week.

SE-398 Special Topics in Software Engineering Credits: 3
Course Type(s): None
A 300-level intensive study of a particular subject or problem in software engineering to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. Three or four hours per week. If a prerequisite is required it will be announced in the course schedule.

SE-399 Independent Study in Software Engineering Credits: 1-3
Term Offered: All Terms
Course Type(s): None
Independent Study of a particular subject or problem in software engineering under the guidance of a software engineering faculty member. Prior permission of the directing professor and department chair is required to take this course.

SE-402 Human Computer Interaction Credits: 3
Term Offered: Spring Term
Course Type(s): IM
Covers basic human psychology, computer technology, and the interface between them. The key topics of HCI are examined, grounded in the context of usability and the design lifecycle.

SE-403 Software Process Improvement Credits: 3
Prerequisite(s): CS-205
Term Offered: Spring Term
Course Type(s): None
Students will be introduced to the various aspects related to software processes. It will focus on the definition and modeling of a software process, as well as on methods for process assessment and improvement. The concepts will be illustrated through process-improvement case studies, followed by hands-on experience with the improvement of the personal software-development process.

SE-418 Software Project Management **Credits: 3**
Prerequisite(s): CS-176; and EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): WT
Project management and its application to software-development projects. Emphasis will be on planning, organizing, monitoring, and controlling. Students will learn how to develop work breakdown structures, estimate task durations, assign resources, specify network precedence, and determine a project's critical path. Methods for scheduling in the face of resource constraints will be included, as well as function point counting, algorithmic models for estimating total project cost, and software tools for project planning and monitoring.

SE-450 Cyber Security **Credits: 3**
Prerequisite(s): CS-205
Term Offered: Fall Term
Course Type(s): None
Cover fundamental theory and practice of cyber security. Review cryptographic tools used to provide security, such as shared key encryption; public key encryption, key exchange, authentication, digital signature, and intrusion detection. Learn implementation of secure mechanisms in object-oriented programming languages. Also listed as CS-450.

SE-451 Applied Computer Security **Credits: 3**
Prerequisite(s): CS-450 or SE-450
Term Offered: Spring Term
Course Type(s): None
This course will introduce students to multiple aspects of computer security and practice into a series of well-defined security topics such as network security and hacking tools. Also, the student will introduce different topics of digital forensics. Also listed as CS-451.

SE-485A Software Practicum **Credits: 3**
Prerequisite(s): CS-205, SE-205, SE-207, SE-312, SE-357 and SE-358 All passed with a grade of C or higher.
Term Offered: Fall Term
Course Type(s): EX5, RD
Team work on substantial software projects submitted by corporate sponsors. Interim progress reports required, with a final formal defense and presentation to corporate staff, faculty, and other students in the course. At the end of SE-485A, students must submit their software engineering portfolio for review by the Software Engineering faculty.

SE-485B Software Practicum **Credits: 3**
Prerequisite(s): SE-485A
Co-requisite(s): SE-402
Term Offered: Spring Term
Course Type(s): EX5, RD
Team work on substantial software projects submitted by corporate sponsors. Interim progress reports required, with a final formal defense and presentation to corporate staff, faculty, and other students in the course. At the end of SE-485B, students must submit their software engineering portfolio for review by the Software Engineering faculty.

SE-498 Special Topics in Software Engineering **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
A 400-level intensive study of a particular subject or problem in software engineering to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. Three or four hours per week. If a prerequisite is required it will be announced in the course schedule.

SE-499 Independent Study in Software Engineering **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
Independent Study of a particular subject or problem in software engineering under the guidance of a software engineering faculty member. Prior permission of the directing professor and department chair is required to take this course.

Speech Language Pathology (SLP)

SLP-201 Introduction to Communication Sciences and Disorders **Credits: 3**
Term Offered: All Terms
Course Type(s): HE.EL
Provides an overview to the fields of speech-language pathology, audiology, and education of the hearing impaired. Will provide information regarding the nature, etiology, symptom, and remediation of organic and neurogenic disorders of speech, language, and hearing. Additionally, this course will provide an overview of various speech, language, and hearing disorders: the factors related to the causes and severity of these disorders and roles of professionals associated with the diagnosis and severity of these disorders and roles of professionals associated with the diagnosis and treatment, specifically speech-language pathologists and audiologists.

SLP-202 Introduction to Language Development **Credits: 3**
Term Offered: All Terms
Course Type(s): HE.EL, OL
Provides an overview of the development of language over the course of the lifespan. An introduction to the normal acquisition of language including the components of language, as well as the physical, social, and cognitive basis for language. Theories of language development and how language evolves from infancy to adulthood will be discussed. Cultural influences on language development will also be explored.

SLP-298 Special Topics in Speech-Language Pathology **Credits: 3**
Course Type(s): None
An intensive study of a particular subject or problem in Speech, Language and Pathology to be announced prior to registration. The course may be conducted on either a lecture-discussion or a seminar basis. A minimum G.P.A. of 3.00 is required to take this course. If a prerequisite is required it will be announced in the course schedule.

SLP-301 Introduction to Phonetics **Credits: 3**
Prerequisite(s): SLP-201
Term Offered: All Terms
Course Type(s): OL
Provides students with the skills needed to produce, transcribe and describe in articulatory terms, the individual sounds used in speech. Will provide an introduction to sound patterns, phonetic transcriptions using the International Phonetic-Alphabet, acoustic aspects of phonetics and the application of these skills to clinical practice. Dialects and derivations of the English language will be explored.

SLP-302 Anatomy and Physiology of Speech and Hearing **Credits: 3**
Prerequisite(s): SLP-201
Term Offered: All Terms
Course Type(s): OL
Provides an understanding of the anatomical structures, as well as the physiological and functional mechanisms essential for speech production. Specifically, the anatomy and physiology of respiration, phonation, articulation, resonation, and hearing will be covered in depth.

SLP-303 Neurological Bases of Speech and Language **Credits: 3**
Prerequisite(s): SLP-201
Term Offered: Spring Term
Course Type(s): OL
Students will learn the neuroanatomical and neurophysiological underpinnings of speech, language and hearing and will study how the nervous system controls communication. Additionally, the course will examine the cranial nerves and the circuits underlying sensory perception, motor action, and cognition as they relate to speech production and hearing.

SLP-304 Observation Skills in Speech, Language, and Hearing Disorders **Credits: 1**
Prerequisite(s): SLP-201
Term Offered: All Terms
Course Type(s): OL
Provides students the opportunity to learn clinical and professional knowledge and skills through direct, guided observation of speech-language pathology practice. Prerequisite: SLP-201

SLP-389 Internship in Speech, Language and Pathology **Credits: 1-3**
Term Offered: Spring Term
Course Type(s): EX1
Supervised practical experience in Speech, Language and Pathology; repeatable for credit. Departmental approval and Junior standing is required to take this course.

SLP-401 Speech and Hearing Science **Credits: 3**
Prerequisite(s): SLP-301 and SLP-302
Term Offered: All Terms
Course Type(s): OL
Studies the nature of sound, sound transmission, and units of measurement necessary to understand the physiologic, acoustic, and perceptual parameters of speech. Acoustics, speech production, and speech perception will be emphasized.

SLP-402 Introduction to Audiology **Credits: 3**
Prerequisite(s): SLP-302
Term Offered: All Terms
Course Type(s): OL
An introduction to the field of audiology. Designed to acquaint students with topics regarding the anatomy and physiology of normal and abnormal hearing, basic concepts in pure-tone air and bone conduction audiometry, speech audiometry, interpretation of audiograms, immittance procedures, and basic management of the hearing loss of the hearing-impaired client.

SLP-498 Special Topics in Speech-Language Pathology **Credits: 3**
Course Type(s): None
An intensive study of a particular subject or problem in educational leadership to be announced prior to registration. If a prerequisite is required it will be announced in the course schedule.

Theatre (TH)

TH-101 Theatre Appreciation **Credits: 3**
Term Offered: All Terms
Course Type(s): AT
Introduction to the elements of theatre, including film and TV as theatre media. Study of plays from script to stage through readings, lectures, and theatre-going experiences.

TH-150 Introduction to the Theatre **Credits: 3**
Course Type(s): AT
Introduction to the elements of theatre, including cinema and television as theatre media; the study of a representative group of plays from script to stage.

TH-154 Acting I (Non-Major) **Credits: 3**
Term Offered: All Terms
Course Type(s): AT
An introduction to acting the dramatic situation through guided improvisation based on material from dramatic literature.

TH-155 Acting I (TH Major) **Credits: 3**
Course Type(s): None
Designed to enable students to explore the use of their imagination, instrument, and sense of playing to work within an ensemble. Basic skills, such as playing with intuition and listening and responding openly to a partner within given circumstances, will be the primary goals.

TH-156 Acting II (TH Major) **Credits: 3**
Prerequisite(s): TH-155
Term Offered: Spring Term
Course Type(s): None
Builds from the previous exercise work with working on assigned scenes. Work will begin on open scenes and finish the term working on a scene from important plays of American theatre. Students will study the breakdown of a scene, structure, both verbal and non-verbal, and effective communication of intent.

TH-190 Applied Theatre Techniques I **Credits: 1**
Term Offered: All Terms
Course Type(s): AT
First-year students are required to take this hands-on, practical course in building, painting, and crewing a department production.

TH-191 Applied Theatre Techniques II **Credits: 1**
Term Offered: All Terms
Course Type(s): AT
Second semester in Applied Theatre requires students to take a more responsible position in the hands-on practical building, painting, and crewing of a department production.

TH-199 Independent Study in Theatre **Credits: 1-3**
Course Type(s): None
Directed individual study of theatre in areas of special interest. Prior permission of the directing professor and department chair is required to take this course.

TH-230 Acting II (non-Major) **Credits: 3**
Prerequisite(s): TH-154
Term Offered: Spring Term
Course Type(s): None
Roles as an integral part of play production; the basic principles of acting through lectures, discussions, and the rehearsal and performance of a variety of scenes.

TH-231 Acting III (Major) **Credits: 3**
Prerequisite(s): TH-155 and TH-156
Course Type(s): None
Study of "styles". Beginning work on classic texts, such as Shakespeare, Moliere, or Restoration Comedy. Text analysis, scansion, and speaking with authority will be emphasized. Text work in sonnets and scenes.

TH-232 Acting IV (Major) **Credits: 3**
Prerequisite(s): TH-155, TH-156, and TH-231
Term Offered: Spring Term
Course Type(s): None
The fourth semester will be an extension of styles of work. Advanced work in characterization, the development of physical and emotional involvement, and working with objectives, obstacles, and actions, with emphasis on classic "styles".

TH-240 Actors' Equity Workshop I **Credits: 3**
Term Offered: Summer Term
Course Type(s): None
An introduction to the basic rules and regulations of Actors' Equity Association's Small Professional Theatre Agreement and to basic stage management principles. Lectures will be supplemented with extensive, practical "lab" hours in which the students put into practice in a professional setting those elements learned in the class.

TH-242 Introduction to Improvisation **Credits: 3**
Term Offered: Fall Term
Course Type(s): AT
An introduction to Improvisational Acting/Performance. No prior experience in theatre is required. Acting training and stage performance is a plus. Students should be prepared to go through a series of exercises that are designed to teach and hone the ability to perform an improvisational performance.

TH-245 Theatre Performance Practicum I **Credits: 1**
Term Offered: All Terms
Course Type(s): None
Involves actual experience performing in a University production. Credit can be specified for a student's acting, singing, and/or dancing in a department-sponsored production. The Performance Practicum can be taken in any combination simultaneously or consecutively for a total of three credits toward the Musical Theatre Concentration, Theatre Minor, or Musical Theatre Minor. Any credits for Practicum courses beyond that go towards free electives. This course is repeatable for credit.

TH-246 Theatre Performance Practicum II **Credits: 1**
Term Offered: All Terms
Course Type(s): None
Involves actual experience performing in a University production. Credit can be specified for a student's acting, singing, and/or dancing in a department-sponsored production. The Performance Practicum can be taken in any combination simultaneously or consecutively for a total of three credits towards the Theatre or Musical Theatre Minor. Any credits for Practicum courses beyond that go towards free electives. This course is repeatable for credit.

TH-247 Theatre Performance Practicum III **Credits: 1**
Term Offered: All Terms
Course Type(s): None
Involves actual experience performing in a University production. Credit can be specified for a student's acting, singing, and/or dancing in a department-sponsored production. The Performance Practicum can be taken in any combination simultaneously or consecutively for a total of three credits towards the Theatre or Musical Theatre Minor. Any credits for Practicum courses beyond that go towards free electives. This course is repeatable for credit.

TH-251 Introduction to Theatre Production and Design **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Introduction to scenic, costume, lighting, and sound design and technology, including: the problems involved in executing the technical aspects of a theatrical production; preparation of working drawings, light plots, scale models; ability to hang, focus, and program theatrical lighting; solutions of make-up and costuming problems.

TH-290 Applied Theatre Design **Credits: 1**
Prerequisite(s): TH-190 and TH-191
Term Offered: All Terms
Course Type(s): AT
Students will work intensely with a designer for a department production. Student will be responsible for the design and construction of one facet of a total design: namely, a prop, a costume, lights, or some integral part of a production design.

TH-291 Applied Theatre Management **Credits: 1**
Prerequisite(s): TH-190 and TH-191
Term Offered: All Terms
Course Type(s): AT
Students will work intensely with a management office concerning a department production. Students will be involved with hands-on production of publicity, company management, box office, public relations, casting, historical records, and/or dramaturgy.

TH-298 Special Topics in Theatre (200 Level) **Credits: 1-3**
Term Offered: Spring Term
Course Type(s): None
An intensive study of a particular subject or problem in theatre to be announced prior to registration. If there is a prerequisite for this course it will be announced in the course schedule.

TH-299 Independent Study in Theatre **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
Directed, individual study of theatre in areas of special interest. Prior permission of the directing professor and department chair is required to take this course.

TH-301 Theatre History I **Credits: 3**
Prerequisite(s): EN-101 and EN-102 or permission of the instructor
Term Offered: Spring Term
Course Type(s): WT
The development of theatre from the Classical Greek through the Elizabethan period. Examination of plays, playwrights, architecture, scenery, costumes, mechanics, technology, historical, and sociological influences.

TH-310 Musical Theatre History **Credits: 3**
Term Offered: All Terms
Course Type(s): AT
The Broadway musical is considered by many to be America's greatest contribution to the world of theatre. Examines the history and evolution of American musical theatre. Special attention will be paid to composers, lyricists, directors, choreographers, and performers who have made significant contributions to the genre. Material will be discussed chronologically from minstrelsy to the contemporary mega-musical.

TH-335 Group Techniques in Performance **Credits: 3**
Term Offered: Spring Term
Course Type(s): COACM, COCSD
Various theories and techniques used in group performances with a concentration on Readers Theatre and Chamber Theatre; selected literature is arranged, analyzed, and performed. Also listed as CO-335.

TH-340 Actors' Equity Workshop II **Credits: 3**
Prerequisite(s): TH-240
Term Offered: Summer Term
Course Type(s): None
Builds upon the basic knowledge gained in TH-240 through the in-depth study of Actors' Equity Association's two most widely used contracts, the LORT (League of Resident Theatres) and Production (Broadway, Off-Broadway, National Tour) agreements. Lectures will be supplemented with extensive, practical "lab" hours in which the students put into practice in a professional setting those elements learned in the class.

TH-342 Improvisation II **Credits: 3**
Prerequisite(s): TH-242
Term Offered: Spring Term
Course Type(s): None
A continuation of exercises in Improvisational Acting/Performance. No prior experience in theatre is required, however students should take Introduction to Improvisation first. Acting training and stage performance is a plus. Students should be prepared to go through a series of exercises that are designed to teach and hone the ability to perform an improvisational performance.

TH-349 Postcolonial Drama and Film **Credits: 3**
Term Offered: All Terms
Course Type(s): BI.EL, GU, RE
Study of postcolonial plays and films from Ireland, Australia, Africa, and India, including such postcolonial themes as language, religion, and race. Students will discuss the ways in which the theatrical and cinematic media are used to express the loss of, and quest for, national and individual identity in the aftermath of empire. The students will not only become versed in postcolonial theory, but also in the individual dramatic styles/structures of each of the nations discussed.

TH-355 Dramatic Literature **Credits: 3**
Prerequisite(s): TH-150
Course Type(s): None
Analysis of representative plays of the major forms of the drama-tragedy, comedy, tragicomedy, and romance. Emphasis on the literary and performance aspects.

TH-357 Acting for Television **Credits: 3**
Prerequisite(s): TH-154
Term Offered: Spring Term
Course Type(s): None
Techniques that the on-camera performer uses in various TV situations, commercials, daytime drama, situation comedy, and serious drama. Also listed as CO-357.

TH-361 Play Direction **Credits: 3**
Prerequisite(s): TH-230
Term Offered: Spring Term
Course Type(s): None
Play analysis, casting procedures, composition, movement, stage business, backstage organization, rehearsal routine, and theatre management from the standpoint of the creative director.

TH-389 Internship in Theatre **Credits: 1-3**
Term Offered: All Terms
Course Type(s): EX1
Supervised practical experience in theatre; repeatable for credit. Departmental approval and Junior standing are required to take this course.

TH-390 Applied Theatre Techniques III **Credits: 1**
Term Offered: All Terms
Course Type(s): AT
Students will work hands-on with an appropriate faculty member on an advanced project in theatre, musical theatre, or music production. An alternative possibility would be to do a pre-internship assignment with a local theatre.

TH-391 Applied Theatre **Credits: 1**
Prerequisite(s): TH-190, TH-191, and either TH-290, TH-291, or TH-390
Term Offered: All Terms
Course Type(s): AT
Students will work hands on with an appropriate faculty member on an advanced project in theatre, musical theatre, or music production. An alternative possibility would be to do a pre-internship assignment with a local theatre.

TH-398 Special Topics in Theatre (300 Level) **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
An intensive study of a particular subject or problem in theatre to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

TH-399 Independent Study in Theatre **Credits: 3**
Course Type(s): None
Directed individual study of theatre in areas of special interest. Prior permission of the directing professor and department chair is required to take this course.

TH-401 Theatre History II **Credits: 3**
Prerequisite(s): TH-301 and EN-101 and EN-102
Term Offered: Spring Term
Course Type(s): WT
The development of theatre from the Restoration through the Modern Period. Examination of plays, playwrights, architecture, scenery, costumes, mechanics, technology, historical, and sociological inferences.

TH-441 Summer Theatre Workshop I **Credits: 3**
Course Type(s): None
Basic technical theatre, theatre management, elements of acting, children's theatre, costuming and make-up, lighting and set design; four dramatic productions.

TH-442 Summer Theatre Workshop II **Credits: 3**
Course Type(s): None
Basic technical theatre, theatre management, elements of acting, children's theatre, costuming and make-up, lighting and set design; four dramatic productions.

TH-453 Creative Dramatics **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
The goal of Creative Dramatics is to equip teachers with the ability to use creative dramatics, creative play, and theatre games in the classroom as a tool for teaching all subjects. Also useful for actors and recreation or community leaders who work with children and want to learn new and creative techniques. The emphasis in this class is on the participant and participation. Students should attend comfortably dressed.

TH-480 Problems in Theatre Practice **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Independent projects and intensive research under the guidance of one or more members of the department; creative work in acting, costuming, creative dramatics, directing, lighting, scenic design, and playwriting.

TH-498 Special Topics in Theatre (400 Level) **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
An intensive study of a particular subject or problem in theatre to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.

TH-499 Independent Study in Theatre **Credits: 1-3**
Course Type(s): None
Directed individual study of theatre in areas of special interest. Prior permission of the directing professor and department chair is required to take this course.

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