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GRADUATE CATALOG

Date of Publication: August 2020

Applicability of Catalog

Monmouth University has provided the following information to the public. The information provided herein does not provide an irrevocable contract between Monmouth University and the student. The University reserves the right to alter any policy, procedure, curricular information, facts, and/or fees without any prior notice or liability.

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.

RESPONSIBILITIES 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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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 addiction studies, 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 fifty-four 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 **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 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 email (MUSpeechCenter@monmouth.edu) the center with further questions.

The **OceanFirst Bank Center** is a153,200-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 new state-of-the-art **Jules Plangere Center**, which houses the department of Communication, Foreign Language Studies, 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) (for 2021)

School of Education:

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

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. In addition,

- the Leon Hess Business School is accredited by the AACSB International—the Association to Advance Collegiate Schools of Business;
- the chemistry program (with a concentration in advanced chemistry) is certified by the American Chemical Society (ACS);
- 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);
- the undergraduate Bachelor of Social Work and graduate Master of Social Work programs are accredited by the Council on Social Work Education (CSWE);

- 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 - Advanced Computing program is accredited by the Computing Accreditation Commission of (ABET) (http://abet.org);
- in the School of Education, the bachelor of arts and bachelor of science programs in Education, the Masters of Arts in Teaching program in Education, and the Master of Science in Education (MSEd) programs in Literacy, Principal/Supervisor, and Special Education are are accredited by the Council for the Accreditation for Educator Preparation (CAEP); 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); the MSEd degree program in Speech-Language Pathology is accredited by the Council on Academic Accreditation in Audiology and Speech-Language Pathology (CAA) of the American Speech-Language-Hearing Association;
- the Department of Professional Counseling's Master of Arts in Addiction Studies program is accredited by the National Addiction Studies Accreditation Commission (NASAC) and the Master of Science in Clinical Mental Health Counseling program is accredited by CACREP;
- At its **March 2019** meeting, the Accreditation Review Commission on Education for the Physician Assistant, Inc. (ARC-PA) extended **Accreditation-Probation** status for the **Monmouth University Physician Assistant Program** sponsored by Monmouth University until its next review in March 2021.

  Probation is a temporary status of accreditation conferred when a program does not meet the Standards and when the capability of the program to provide an acceptable educational experience for its students is threatened.

  Once placed on probation, programs that still fail to comply with accreditation requirements in a timely manner, as specified by the ARC-PA, may be scheduled for a focused site visit and/or risk having their 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 entry-level occupational therapy doctoral degree program has applied for accreditation 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 (http://www.acoteonline.org).

  The program must be granted Candidacy Status, have a preaccreditation review, complete an on-site evaluation, and be granted Accreditation Status before its graduates 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."

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 Daneshgar, Biology	2020

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

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

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

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 his/her 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 his/her 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 site (http://www.turnitin.com).

GRADUATE ADMISSION

New to Monmouth Students' Requirements

Graduates of accredited colleges and universities with a baccalaureate degree, whose records show evidence of ability to do graduate work, may apply for admission. Admission to graduate programs is based on the student's undergraduate record, particularly in the major; scores on appropriate admission tests; and other supporting documentation as required. Graduate program directors determine admission decisions.

Procedures

1. Complete and submit the online application (https://www.monmouth.edu/apply-now/) for admission along with a nonrefundable $50 application fee to the Office of Admission Processing.
2. Send official undergraduate transcripts from all previously attended institutions to the Office of Admission Processing.
3. Send official graduate transcripts (if any) from other previously attended institutions to the Office of Admission Processing.
4. Refer to descriptions of the individual graduate programs for additional procedures, if any, unique to the program.

Graduate Application Deadlines

Date	Item
July 15	Fall Semester
December 1	Spring Semester
May 1	Summer Sessions
Qualified applicants are given consideration after these deadlines on a space-available basis.	
Speech-Language Pathology	Summer Start
Feb 1	
Master of Social Work (MSW)	Fall Start
June 15	
Physician Assistant Program	Fall Start
March 1	
Occupational Therapy Doctorate*	Summer Start
March 15	

*For information regarding OTD accreditation status, please visit monmouth.edu/OTD

Graduate Program Admission Requirements for Program Consideration

Intelligence Note: Graduate students are prohibited from matriculating in more than one graduate degree program at the same time. Students are permitted to pursue a degree program and a certificate/endorsement or two certificate/endorsements concurrently.

Master of Arts in Anthropology (M.A.) and Graduate Certificates:

- **Archaeology**
- **Geographic Information Systems (G.I.S.):**

1. Possession of a baccalaureate degree from an accredited college or university with a minimum 3.00 GPA.
2. Essay (500 words) highlighting personal and/or professional goals and objectives for wanting to pursue graduate study in the field of anthropology.
3. Two professional letters of recommendation from persons familiar with the prospective student's academic and/or professional competence.

Master of Arts in Communication (M.A.) Concentrations:

- **Interactive Digital Media**
- **Strategic Public Relations and Social Media**

and

Graduate Certificates:

- **Human Resource Management**
- **Public Service Communication**

1. Possession of a baccalaureate degree with a 2.75 overall GPA and a 3.0 GPA in the undergraduate major.
2. Two letters of recommendation. Letters from current or former professor recommended. If these are unavailable, letters may be sought from current colleagues, or a current or recent supervisor.
3. Personal essay of not more than 750 words that describes your preparation for study in the program and personal objectives for graduate study. Interactive and Digital Media concentration applicants are required to submit a digital portfolio with samples of your creative media, interactive media, transmedia design, computing, and/or technological projects that highlight and demonstrate your initiative and achievement in academic, professional, and/or community settings
4. Digital and/or hard copy portfolio of select samples of work, including a writing sample, that demonstrates initiative and achievement in academic, professional, and/or community settings.
5. Résumé.

Master of Arts in Criminal Justice (M.A.) and
Optional tracks:

- **Homeland Security**
- **Leadership**
- **Intelligence Analyst**

1. Possession of a baccalaureate degree with a minimum 2.75 overall GPA and a 3.0 in the undergraduate major.
2. Two letters of recommendation.
3. Personal essay of 250 to 300 words that describes your preparation for study in the program and personal objectives for graduate study in criminal justice.

Master of Arts in English with a Concentration in Creative Writing (M.A.)

1. Possession of a baccalaureate degree with a minimum 2.75 GPA, fifteen or more credits in literature or a related field, and at least one course in creative writing is strongly recommended.
2. An application essay of 1,000 words describing your interest in this program, what you hope to accomplish, and how you think the program will fit into your academic and career goals.
3. A brief creative writing sample: four to five pages of poetry, fiction, creative non-fiction, or drama writing.
4. Two letters of recommendation. Letters from current or former professors recommended; if these are unavailable, letters may be sought from current colleagues, or a current or recent supervisor.

Master of Arts in English with a Concentration in Literature (M.A.)
Master of Arts in English with a Concentration in Rhetoric and Writing (M.A.)

1. Possession of a baccalaureate degree with a minimum 2.75 GPA; fifteen or more credits in literature or a related field strongly recommended.
2. An application essay of 1,000 words describing your interest in this program, what you hope to accomplish, and how you think the program will fit into your academic and career goals.
3. Two letters of recommendation. Letters from current or former professors recommended; if these are unavailable, letters may be sought from current colleagues, or a current or recent supervisor.
4. A writing sample in the form of a paper that best represents your academic work.

Master of Fine Arts (M.F.A.) – Creative Writing
For students applying for the dual M.A./M.F.A. degree program, Monmouth requires:

1. Possession of a bachelor's degree with a minimum 2.75 overall GPA, 15 or more credits in literature or a related field, and at least one course in creative writing (strongly recommended)

2. An application essay: 1,500 words describing your interest in creative writing, intent to continue study toward the M.F.A., what you hope to accomplish in the M.A./M.F.A. program, and how you think the program will fit into your academic and career goals
3. A creative writing sample: 20 pages of poetry, fiction, creative non-fiction, or drama writing
4. Two letters of recommendation. Letters from current or former professors recommended; if these are unavailable, letters may be sought from current colleagues, or a current or recent supervisor.

Only students that have an overall graduate GPA of 3.25 at the completion of the M.A. in English Creative Writing program, and have been approved by the program director will continue.

For current or former Monmouth University M.A. in English Creative Writing students applying to the third-year M.F.A degree program, Monmouth requires:

1. Possession of a master's degree in English with a minimum 3.25 overall GPA, at least 12 credits in creative writing, and a creative thesis or equivalent
2. An application essay of 1,000 words describing your interest in creative writing, what your hope to accomplish in the program, and how you think the program will fit into your academic and career goals
3. A creative writing sample: 15 – 20 pages of poetry, fiction, creative non-fiction, or drama writing
4. Two letters of recommendation. Letters from current or former professors recommended; if these are unavailable, letters may be sought from current colleagues, or a current or recent supervisor.
5. Interview with the program director may be required

For students applying to the 18-credit M.F.A. curriculum only, Monmouth requires:

Possession of a Monmouth University master's degree in English with a Creative Writing Concentration with a minimum 3.25 overall GPA OR

- Possession of a non-creative writing master's degree along with a Monmouth University Graduate Certificate in Creative Writing with a 3.25 overall GPA.
- An application essay of 1,000 words describing your interest in creative writing, what you hope to accomplish in the program, and how you think the program will fit into your academic and career goals.
- A creative writing sample: 15 – 20 pages of poetry, fiction, creative non-fiction, or drama writing.
- Two letters of recommendation. Letters from current or former professors recommended; if these are unavailable, letters may be sought from current colleagues, or a current or recent supervisor.
- Interview with the program director may be required.

Graduate Creative Writing Certificate

- Possession of a baccalaureate degree with a minimum 2.75 overall GPA.
- Fifteen or more credits in literature or a related field and at least one course in creative writing are strongly recommended.
- An application essay of 1,000 words describing your interest in creative writing, what you hope to accomplish in the program, and

how you think the program will fit into your academic and career goals.

- A brief creative writing sample: four to five pages of poetry, fiction, creative non-fiction, or drama writing.
- Two letters of recommendation. Letters from current or former professors recommended; if these are unavailable, letters may be sought from current colleagues, or a current or recent supervisor.

Master of Arts in History (M.A.)
Optional Specializations:
- **European**
- **U.S. History**
- **World History**

1. Possession of a baccalaureate degree with a 2.5 overall GPA and a 3.0 GPA in the undergraduate major.
2. Two letters of recommendation.
3. Written statement that describes the historical areas you wish to study and details how graduate study will contribute to your professional and academic goals.

Master of Arts in Addiction Studies (M.A.) and
Master of Science in Clinical Mental Health Counseling (M.S.)

1. Possession of a baccalaureate degree with a 3.0 overall GPA.
2. Two completed Monmouth University Professional Counseling recommendation forms.
3. Narrative (four to five pages, double spaced) in response to the questions outlined on the Admission Application Essay Form (https://www.monmouth.edu/uploadedFiles/Content/University/admission/graduate/PCEssay.pdf).
4. Participation in a group interview.

Graduate Certificate in Professional Counseling

1. Possession of a baccalaureate degree.
2. Current enrollment in a CACREP-accredited Master's program in Counseling or prior graduation from a CACREP-accredited Master's program in Counseling.
3. Cumulative GPA of at least 3.0 in the CACREP-accredited Master's degree in Counseling.

Master of Social Work (M.S.W.)
Concentrations:
- **Global and Community Practice**
- **Clinical Practice with Families and Children**

1. Possession of a baccalaureate degree with a 2.75 overall GPA and a 3.0 GPA in the undergraduate major. Social Work is grounded in the liberal arts and contains a coherent, integrated, professional foundation in social work (CSWE Accreditation Standards). M.S.W. applicants with a baccalaureate degree are required to have a strong liberal arts background with a minimum of one 3- credit course in English, Math and Psychology (none of these courses can be a College Level Examination Program; they must be taken as college-level, credit-bearing classes). The program also prefers courses in History, Sociology, Political Science, Anthropology, and Economics.
2. Three completed Monmouth University School of Social Work recommendation forms. Recommendations must be from an academic or professional source; it cannot be from friends and/or relatives.
3. Narrative (four to five pages, double spaced) in response to the questions outlined on the Autobiographical Statement form (https://www.monmouth.edu/uploadedFiles/Content/University/admission/graduate/MSWAutobioStatement.pdf).
4. Candidates for Advanced Standing must have a B.S.W. from an accredited program within six years of the date of application, fulfill GPA requirements, and submit the Monmouth University Advanced Standing Field Evaluation form.
5. Candidates for Advanced Standing must have completed a course in statistics within the last six years.
6. In instances where the admissions committee has questions about an applicant's references, personal statement, or academic record, the applicant may be required to attend an interview as part of the admissions process.

Graduate Certificate: Play and Expressive Therapies

1. A master's degree in a medical or mental health discipline (for example, M.S.N., M.S.W., M.A.) and eligibility for licensure in that discipline.

Graduate Certificate: Clinical Social Work Licensure

1. Applicants must have a completed MSW degree from a CSWE accredited program and be a Licensed Social Worker (LSW) for admission to the certificate program.

Master of Science in Computer Science (M.S.)
Optional tracks:
- **Computer Networks**
- **Databases and Intelligent Information Systems (Fall, 2021)**
- **Security of Computer Systems and Networks**

1. Possession of a baccalaureate degree with a minimum 2.75 overall GPA and a 3.0 in the undergraduate major, preferably in the sciences or engineering.
2. Two letters of recommendation.
3. Two semesters of Calculus (I and II) with grades of "C" or better.
4. Two semesters of computer programming courses within the past five years (equivalent to Monmouth's CS-175 Introduction to Computer Science I (3 cr.), CS-175L Introduction to Computer Science I lab (1 cr.) and CS-176 Introduction to Computer Science II (3 cr.), CS-176L Introduction to Computer Science II Lab (1 cr.)) at a recognized institution with a grade of "B" or better. Applicants

not meeting these requirements for programming experience may be required to take CS-501A Computer Programming Essentials (3 cr.) or its equivalent.

Master of Science in Information Systems (M.S.)
- **Management Track**
- **Technology Track**

1. Possession of a baccalaureate degree with a minimum 2.75 overall GPA and a 3.0 GPA in the major. Candidates should have an undergraduate degree in computer science, software engineering, information technology, information science, or business administration or majored in a field that requires a substantial component of software development and/or business administration.
2. Applicants to the Technology track must have completed courses equivalent to Program Development I and II, Introduction to Management, Principles of Software Engineering, and Data Structures and Algorithms.
3. Applicants to the Management track must have completed courses equivalent to Program Development I, Introduction to Management, Principles of Software Engineering, Financial Accounting, and Microeconomics and Macroeconomics.
4. Applicants who have not completed one or more of these courses will be evaluated on a case by case basis. They may be required to complete foundation courses.

Master of Science in Software Engineering (M.S.)

1. Possession of a baccalaureate degree in software engineering, computer science, computer engineering, or another engineering-related discipline with a 2.75 overall GPA and a 3.0 GPA in the undergraduate major. Candidates whose major is not computer science or a related field may be admitted on a case-by-case basis.
2. Demonstrate completed course work in computer programming, data structures and algorithms, operating systems, discrete mathematics, and software engineering. Applicants who have not completed course work in these areas will be required to complete preparatory/foundation courses as necessary. (Only foundation coursework will be applied towards the MS degree.) Students must earn a grade of "B-" or better in each of these courses.
3. Thesis track students must hold a bachelor's degree in software engineering from a college or university accredited by its regional accrediting agency.

Master of Business Administration (M.B.A.)
Master of Business Administration (M.B.A.) with Concentrations:
- **Accounting,**
- **Finance,**
- **Management,**
- **Marketing, and**
- **Real Estate**

Graduate Certificate in Accounting

1. Possession of a four-year baccalaureate degree and with a minimum GPA of 2.75 and either:
   a. GMAT[1,2,3] or
   b. CPA or CFA licensure.
2. Possession of a four-year baccalaureate degree with a minimum GPA of 3.5 [2].
3. Possession of a four-year baccalaureate degree with a minimum GPA of 3.0 [3] and three years full time work experience.
4. Possession of a Master's or Doctoral degree (MS, MD, JD, PhD, EdD, etc.).

Applicants must also provide:

1. Current résumé.
2. Essay explaining why the applicant wishes to pursue this graduate program (500 words or less).
3. Two letters of recommendation (optional)

[1] *The Graduate Record Exam (GRE) will be considered as a substitute for the GMAT on an equivalent basis. LSAT or Engineering certification exams (FE, PE, SE, PS, FS) may be considered in place of the GMAT.*

[2] *The GMAT will be waived for any applicant with a 3.5 or greater GPA*

[3] *The GMAT will be waived for any applicant with a GPA of 3.0 or greater and 3 years of full time work experience.*

Master of Arts in Teaching (M.A.T.)

1. Possession of a baccalaureate degree with a satisfactory overall GPA per state requirements (see NJDOE website for details) and a 3.0 GPA in the undergraduate major.
2. Two letters of recommendation for graduate study.
3. Résumé.
4. Personal statement of not more than two pages that describes your preparation for study in the program and personal objectives for graduate study.
5. Provide evidence of successfully achieving a minimum score on one of the following tests as a condition of admission to the MAT:
   a. Provide a passing score on the Praxis Core Academic Skills for Educators #5751
   b. Provide an official qualifying score on the SAT, ACT or GRE required for the year in which the exam was taken (see NJDOE website for details).

6. Students interested in the MAT Initial Certification K-12 in Chinese must have a degree or thirty approved credits in the Chinese language and culture.

Note: Prior to student teaching, the appropriate Praxis Test must be successfully completed, and all content course work and/or conditions of acceptance must be satisfied.

Master of Education (M.Ed.)

1. Possession of a baccalaureate degree with an overall GPA per state requirement (see NJDOE website for details).
2. Two letters of recommendation related to the applicant's competence for graduate study.
3. Essay (500 words or more) explaining why the applicant wishes to pursue this graduate program.
4. Resume.
5. Teaching certification may be required based on program of study.

Master of Science in Education (M.S.Ed.)

Concentrations:
- **Principal/Supervisor**
- **Principal/ Supervisor/School Administrator**
- **School Counseling**
- **Student Affairs and College Counseling**
- **Literacy**
- **Special Education**

Special Education tracks include:
- **Teacher of Students with Disabilities (TSD)**
- **Learning Disabilities Teacher Consultant (LDTC)**
- **Supervisor Endorsement**
- **Autism/ABA**

1. Applicant must be a certified teacher. (Does not apply to M.S.Ed. School Counseling and Student Affairs College Counseling, Autism/ABA or Autism.)
2. Possession of a baccalaureate degree with a satisfactory overall GPA per state requirements (see New Jersey Department of Education for details) and a 3.0 in the undergraduate major.
3. Two letters of recommendation related to the applicant's competence for this graduate program and professional work.
4. Essay (500 words or more). For School Counseling and Student Affairs and College Counseling, the essay must discuss why social justice is important to the applicant and how the applicant forsees utilizing this training in his/her future career as a school counselor or student affairs professional. For all other M.S.Ed. programs the essay must explain why the applicant wishes to pursue the graduate program of their choice.
5. Students applying to the M.S.Ed. School Counseling and M.S.Ed. Student Affairs and College Counseling programs must participate in a group interview.
6. Students in the M.S.Ed. Special Education/Supervisor and L.D.T.C. tracks must submit a letter from their administrator stating that they have 3 years of full-time teaching experience in a public or an NJ approved private school for students with disabilities

Note: Upon completion of the Principal/School Administrator/Supervisor Program, you must provide documentation evidencing completion of five years of successful educational experience under a valid provisional or standard New Jersey or equivalent out-of-state certificate to be eligible for the endorsement.

Master of Science in Education (M.S.Ed.) Speech-Language Pathology

1. Submit a completed application through the Communication Science and Disorders Centralized Application Service (CSDCAS (http://www.capcsd.org/csdcas-student-page/)) along with the signed S.L.P. Communication Standards form and $50 application fee submitted to Monmouth University.
2. Possession of a baccalaureate degree with a satisfactory overall GPA per state requirements (see Web site for details) and a minimum 3.0 GPA in the undergraduate major.
3. GRE scores (taken within the last five years). Students who hold a master's degree or higher from an accredited institution are not required to submit GRE scores.
4. Essay (500 words or more) as indicated in CSDCAS.
5. Two professional letters of recommendation from those who know the student and can address the student's ability to complete graduate study.
6. Résumés are recommended but not required.
7. Candidates must be able to communicate effectively in order to meet ASHA's standards of clinical competence. Specifically, successful candidates "must have demonstrated communication skills sufficient to achieve effective clinical and professional interaction with clients/patients and relevant others." Source: (http://www.asha.org/Certification/2014-Speech-Language-Pathology-Certification-Standards/)*2014 Standards for the Certificate of Clinical Competence in Speech-Language Pathology*. Applicants must complete and submit the Monmouth University SLP Communications Standards form.
8. Completion of eighteen (18) credits of speech-language pathology prerequisite courses. Applicants must also fulfill the ASHA requirements listed on the ASHA Web Site.

Doctor of Education (Ed.D.)

Focus areas include P-12 and Higher Education

All applicants must have an earned master's degree in education, business, or related field. Official transcripts are required from each institution in which bachelor's and master's level credits were earned.

1. Applicants must have a minimum GPA of 3.25 out of 4, in a nationally accredited Master's Program.
2. Applicants must provide evidence of having taken the Verbal, Quantitative, and Analytical writing tests of the Graduate Record Examination (GRE) or the Graduate Management Admissions Test (GMAT), the Law School Admission Test (LSAT) or the Miller Analogies Test (MAT) within the last five years. Other exams may be considered.
3. A current resume/curriculum vitae should outline the applicant's educational background, employment history, professional activities, and other activities that provide support for admission.
4. Two letters of recommendation addressing the applicant's readiness for doctoral study.
5. A two-page personal statement describing the applicant's preparation for study in the program and personal objectives for graduate study.

6. Candidates may be selected for an interview by one or more members of the advisory board to determine the candidate's level of interest, aptitude, and career goals.

7. At or near the time of their interview, candidates may be asked to provide an onsite writing sample to be evaluated by the admission committee.

Master of Science in Nursing (M.S.N.)
Specializations:
- **Adult-Gerontological Primary Care Nurse Practitioner**
- **Family Psychiatric and Mental Health Nurse Practitioner**
- **Family Nurse Practitioner**
- **Forensic Nursing**
- **Nursing Administration**
- **Nursing Education**
- **School Nursing**

1. Possession of a B.S.N. from an accredited program, with a minimum 3.0 GPA. R.N. students with a baccalaureate degree other than nursing may be admitted into the "bridge" program.

2. A current New Jersey R.N. license and one year of work experience as a registered professional nurse. For A.P.N. tracks one year of experience in the enrolled specialty track is required before beginning the clinical specialty.

3. A personal statement (one to two pages) outlining professional goals.

4. Two letters of recommendation.

5. A college-level course in health assessment. (An appropriate continuing education course may be substituted at the program director's discretion.) This requirement does not apply to the Nursing Administration concentration.

6. Proof of a current $1,000,000 to $3,000,000 liability and malpractice policy.

7. Résumé.

R.N. to M.S.N. Direct Program

Students who are interested in pursuing this program must apply to a Master of Science in Nursing program and fulfill all admission requirements after the completion of the Undergraduate Certificate in Nursing.

Master of Science Physician Assistant (M.S.)

1. **CASPA Application**
   - Applicants must submit a completed Central Application Service for Physician Assistants (CASPA) application.

2. **Technical Standards Acknowledgement Form and Application Fee**
   - Applicants must be able to meet the program's technical standards.
   - Once your application has been verified by CASPA and imported by Monmouth University, you will receive an email with instructions on how to access your Applicant Portal. Through this portal, you will be able to upload the required Technical Standards Acknowledgement Form (https://www.monmouth.edu/graduate/ documents/techstandards.pdf) as well as submit your $50.00 Monmouth University application fee.

3. **Baccalaureate Degree**
   - Possession of a baccalaureate degree from a regionally accredited college or university is required at least one month prior to matriculation.
   - Applicants not having a baccalaureate degree by the time of the personal interview, if accepted into the program, will automatically fall into an *Accepted Conditional* status pending completion of their degree and evidence of meeting all GPA and prerequisite course requirements.

4. **GPA Requirements**
   - A minimum cumulative GPA of 3.0 on a 4.0 scale from all courses at all institutions
   - A minimum cumulative GPA of 3.0 in all prerequisite courses.

5. **Prerequisite Coursework**
   - Successful completion, within 10 years before application, of the following prerequisite courses and associated semester credit hours (sch) with a grade of "C" or better (***pass/fail grading is unable to be accepted unless accompanied by an official letter grade***):
     - Human Anatomy with lab (4 sch) and Human Physiology with lab (4 sch) or Human Anatomy & Physiology I and II, each with lab and each 4 sch;
     - Chemistry I and II with lab, each 4 sch;
     - Biology I with lab (4 sch);
     - Microbiology with lab (4 sch);
     - General Psychology (3 sch);
     - Medical Terminology (2 sch minimum): certificate courses and contact hour courses are not acceptable.
     - Statistics or Biostatistics (3 sch): statistics courses within social or natural science departments (e.g., psychology) are more than acceptable.
     - Advanced Placement (AP) or College Level Examination Program (CLEP) credit for any prerequisite courses is **not** accepted.
     - Online courses will be considered for acceptance in fulfilling admission requirements.
     - All courses must be completed at a regionally accredited College or University. Applicants who completed coursework from a college or university outside of the U.S. must submit a transcript evaluation from a reputable transcript evaluation service.

6. **English Language Proficiency**
   - Students whose native language is not English must provide an English proficiency score meeting the University's requirements by the time of application.

7. **Direct Patient Care Experiences**
   - A minimum of 200 hours of paid or unpaid (i.e., volunteer) direct patient care experience by the time of application (up to 20 shadowing hours with a PA can be included).

8. **Graduate Record Examination (GRE)**
   - The GRE, taken in the past five years, is required for all applicants by the time of application.
   - There is no specific score needed for consideration; however, competitive applicants have scores above the 50th percentile in each of the test areas.

- Your GRE scores can be submitted directly to us through CASPA. Use the **Designated Institution Code 3880** and your scores will be included with your application.

9. **Letters of Reference**
    - All applicants are required to submit three specific letters of reference via the CASPA system by the time of application.
        - One letter must be from a current or former professor.
        - One letter must be form a paid or volunteer work supervisor.
        - One letter must be from a clinician.

*Note: Meeting minimal requirements does not guarantee a personal interview nor guarantee admission to the program.

Occupational Therapy Doctorate (O.T.D)*

Application Requirements

1. **Bachelor's Degree** – A bachelor's degree (or US equivalent) must be completed at the time of application or completed by the time the program begins at the end of May/beginning of June. A degree in any area of study will be accepted.
2. **GPA** – At least a 3.0 cumulative GPA as well as in the prerequisite courses. (Note: All completed courses will be used in the GPA calculated by OTCAS.)
3. **Miller Analogies Test (MAT) or Graduate Record Exam (GRE)** – Competitive applicants will score in at least the 35th percentile on the MAT and at least 152 on Verbal, 150 on Quantitative, and 4.0 on Analytical Writing on the GRE. (Test codes needed at time of test for scores to be submitted to OTCAS: MAT = 1399; GRE = 2416)
4. **Observation Hours** – 60 hours of observation in a minimum of two practice settings must be completed prior to admission to the program. Examples of settings are: adults, geriatrics, pediatric, wellness, LTC, hospitals, community centers, primary care, etc. An OT Observation Form (https://www.monmouth.edu/graduate/documents/doctor-of-occupational-therapy-program-observation-form.pdf) will be provided to complete for each site observed.
5. **Completion of Pre-requisites** – Completion of all pre-requisites with a grade of B or better. Competitive applicants will have no more than two outstanding prerequisite courses, including courses in progress, at the time of application. Applicants with outstanding prerequisite courses that are not shown as "in progress" on the OTCAS application, must submit a Word document outlining the completion plan (https://www.monmouth.edu/graduate/documents/occupational-therapy-pre-requisite-course-completion-plan.pdf) to ot@monmouth.edu. All incomplete prerequisite courses and observation hours must be completed by the time the program begins.
6. **Quality References** – Three references are required and can be from academic advisors, licensed occupational therapists, and/or work managers. At least one reference must be from a licensed OT.
7. **Criminal Background Check** – Required of all admitted students. Must have prior to first day of classes.
8. **Technical Standards**- A signed Occupational Therapy Technical Standards form must be received by the application deadline

Admission Requirements: International Students

- In addition to the admission requirements aforementioned, international applicants must be a permanent resident or eligible for an F-1 visa.
- Required English proficiency test – an official English proficiency score report meeting the University requirements is required for non-native English-speaking applicants in addition to the Miller Analogies Test (MAT). The required scores are found here: https://www.monmouth.edu/graduate/application-requirements/
- International applicants must submit to OTCAS an official course-by-course transcript evaluation completed by one of the member organizations of the National Association of Credential Evaluation Services (NACES). Please visit NACES.org (http://naces.org/) for a list of those participating organizations. Note that each organization will have its own instructions on how to submit required documents for evaluation. The evaluation must also show that a bachelor's degree equivalent to one in the United States has been earned.

Technology Requirements

- The OTD program requires students to have access to personal technology such as a laptop computer, tablet, or PC throughout the duration of the program as well as a working webcam during the hybrid/online courses. Students should reference our Campus Technology Website (https://www.monmouth.edu/technology/new-to-mu/recommended-hardware-and-software/) for detailed suggestions before purchase.

Technology Competency Requirements

- The Monmouth OTD program requires completion of coursework in a predominantly traditional week day. However, there are a few courses that are delivered in hybrid/online format. Success in both the online and in person portions of the program requires students to have the ability to navigate the College's learning management system (eCampus), manage electronic communications, utilize research and information databases, and apply software. Online courses may consist of a combination of scheduled synchronous and asynchronous learning activities; synchronous sessions will require use of the Zoom platform. In person courses will maximize the use of technology with no seat time reduction, using the eCampus learning management system for administration, communication, assessment and content delivery to both supplement and enhance the face to face experience. Prior to starting coursework, all students will be required to complete an online orientation through eCampus that will prepare them to meet the technology requirements of the online portions of the program. Additionally, students will have ongoing access to the Help Desk (https://www.monmouth.edu/technology/support/) to manage questions or concerns with technology while in the program.

For information regarding OTD accreditation status, please visit monmouth.edu/OTD

Doctor of Nursing Practice (D.N.P.)

1. Applicant must be a graduate of an accredited Master's in Nursing program or a related field (i.e., M.B.A., M.P.H., M.H.A.).
2. Possession of an active R.N. license.
3. Certification in a specialization is preferred.
4. Must have a minimum of GPA of 3.2 or higher on a 4.0 scale.
5. Currently employed.
6. Statement of vision of her/his leadership role to improve healthcare outcomes.
7. Résumé that includes details of current practice.
8. Two professional and/or academic letters of recommendation.
9. Official transcripts from all previous college work.

10. Telephone or in person interview may be a part of the admission process.
11. Current liability and malpractice insurance of $1,000,000 to $3,000,000.
12. After admission, prior to starting classes, students must submit to the School of Nursing and Health Studies a certificate of good health from a primary care practitioner, including a health history and physical examination with associated laboratory studies, immunizations, and criminal background checks in accordance with the special requirements of affiliation contracts with clinical agencies.
13. After admission, students are required to show proof of 500 post baccalaureate hours or take an additional course to complete these hours prior to registering for leadership immersion courses.

Graduate Endorsements:

- **School Nursing**
- **School Nursing - Non-Instructional**

Graduate Certificate in Forensic Nursing

1. Possession of a baccalaureate degree with a minimum 3.0 GPA.
2. A current New Jersey R.N. license, a year of experience as a registered nurse, and proof of a current $1,000,000 to $3,000,000 liability and malpractice policy.

Post-Master's Certificates:

- **Adult-Gerontological Primary Care Nurse Practitioner**
- **Family Psychiatric and Mental Health Nurse Practitioner**
- **Family Nurse Practitioner**

1. Possession of a baccalaureate degree with a 3.0 GPA and a master's degree in nursing.
2. A current New Jersey RN license, a year of experience as a registered nurse in the specialty track and proof of a current $1,000,000 to $3,000,000 liability and malpractice policy.
3. A personal statement (one or two pages) outlining professional goals.
4. Two letters of recommendation.
5. A college-level course in health assessment. (An appropriate continuing education course may be substituted at the program director's discretion for the nursing practitioner tracks.).
6. Résumé.

Graduate Admission Requirements for School of Education Certification and Endorsement Programs

Graduate Certificate: Teaching English to Speakers of Other Languages

1. Possession of a baccalaureate degree with a minimum 3.0 overall in the undergraduate major.
2. A passing score for the Oral Proficiency Interview (OPI) in the English Language for non-native speakers of English.

Graduate Certificate: Autism

1. Possession of a baccalaureate degree with a minimum 3.0 overall and in the undergraduate major.
2. Two letters of recommendation related to the applicant's competence for this graduate program and professional work.
3. Essay (500 words or more) explaining why the applicant wishes to pursue this graduate program.

Graduate Certificate: Applied Behavior Analysis

1. Bachelor's degree from an accredited institution with a minimum 3.0 overall and in the undergraduate major.

Graduate Endorsement: Teacher of Students with Disabilities

1. Possess or be eligible for a standard or provisional New Jersey instructional certificate with an endorsement appropriate to the subject or grade level to be taught.
2. Possession of a bachelor's degree in a field leading to teacher licensure, health services, psychology, or social work from an accredited institution and have achieved a satisfactory overall GPA per state requirements (see New Jersey Department of Education for details) and a minimum 3.0 in the undergraduate major.
3. Applicant must submit two letters of recommendation related to the applicant's competence for this graduate program and professional work.
4. Applicant must submit an essay of 500 words or more explaining why applicant wishes to pursue a Teacher of Students with Disabilities endorsement.
5. Official undergraduate and graduate transcripts.

Graduate Endorsement: Student Assistance Coordinator

1. Hold a standard instructional certificate, or a school psychologist, school social worker, school counselor, director of school counseling services, or school nurse endorsement, or a valid Licensed Clinical Alcohol and Drug Counselor credential issued by the New Jersey Alcohol and Drug Counselor committee of the Marriage and Family Board, or a valid Certified Prevention Specialist credential issued by the Addiction Professionals Certification Board of New Jersey, or hold a master's or higher degree from a regionally accredited college or university.
2. Applicant must submit an essay of 500 words or more explaining why applicant wishes to pursue a Student Assistance Coordinator (SAC) endorsement.
3. Official undergraduate and graduate transcripts.

Graduate Endorsement: English as a Second Language (ESL)

1. A bachelor's degree (BA or BS) with a satisfactory overall GPA per state requirements (see New Jersey Department of Education for details).
2. A standard New Jersey Instructional Certificate or a CEAS. If the applicant is not a certified teacher, the applicant must hold a New

Jersey Certificate of Eligibility and be employed in an ESL position requiring certification.

As an added part of an initial certificate program:

1. Admission into any of the Monmouth University Initial Teaching Certification Programs (MAT).

Graduate Endorsement: Early Childhood

1. The same as those listed for the Master of Science in Education. (If the applicant is not a certified teacher, the applicant must be enrolled in a specialized alternate route program and be employed in a P-3 position requiring certification.)

Graduate Endorsement: Bilingual/Bicultural

1. A degree in a K-12 school curriculum content area other than foreign language or English as a Second Language.
2. Certificate of eligibility with advanced standing, or a standard New Jersey instructional certificate of eligibility with a teaching position in an ESL/Bilingual setting.
3. A passing score for nationally recognized test of oral and written proficiency in both English and the target language.

Graduate Subject Endorsement in Chinese - CEAS

1. A minimum of 30 credits in Chinese, which may include the art, culture, economics, history, and/or literature of China.
2. Remaining requirements are the same as those listed for the Master of Arts in Teaching.

Post-Master's Endorsement: Director of School Counseling Services

1. Possession of a baccalaureate degree with a satisfactory overall GPA per state requirements (see New Jersey Department of Education for details) and a minimum 3.0 GPA in the undergraduate major.
2. Possession of a master's degree.
3. Two letters of recommendation related to the applicant's competence for this graduate program and professional work.
4. Essay (500 words or more) explaining why the applicant wishes to pursue this graduate program.

Note: Must hold a New Jersey school counselor or student personnel services certificate or an equivalent out-of-state certificate. Upon completion, provide documentation evidencing completion of three years of successful experience as a school counselor in grades P-12 to be eligible for the endorsement.

Post-Master's Endorsement: Supervisor

1. Possession of a Master's degree.
2. See the MSEd Admission requirements above.

Note: The state code requires that an applicant for the Supervisor certification must hold a standard New Jersey instructional or educational services certificate or its out-of-state equivalent, and complete three years of successful, full-time teaching and/or educational services experience.

Teaching and/or educational services experience completed in a New Jersey public school must have been under an appropriate New Jersey certificate.

Post-Master's Endorsement: Learning Disabilities Teacher-Consultant

1. Applicant must possess a master's degree.
2. Applicant must hold a standard New Jersey or out-of-state instructional certificate.
3. Students applying for the LDTC endorsement must submit a letter from their administrator stating that they have three (3) years of full-time teaching experience in a public or a NJ- approved private school for students with disabilities.
4. Applicant must submit two letters of recommendation related to the applicant's competence for this graduate program and professional work.
5. Applicant must submit an essay of 500 words or more explaining why applicant wishes to pursue a Learning Disabilities Teacher-Consultant endorsement.
6. Applicant must have a satisfactory overall GPA per state requirements (see New Jersey Department of Education for details).
7. Official undergraduate and graduate transcripts.

Transfer Applicants

Final transcripts from previous institutions attended should be received by Monmouth University prior to beginning enrollment. Students who do not provide official transcripts will not be permitted to continue at Monmouth.

Students in the MBA Program must complete a minimum of thirty credits or ten courses in the required and elective core of courses at Monmouth University. Courses requested for transfer will be accepted at the discretion of officially designated evaluators for the program in the School of Business Administration. Transferred courses must be from institutions accredited to offer graduate courses and must carry a minimum grade of "B."

Acceptance of "P" grades for the purposes of fulfilling transfer credit or waivers to be brought into or as part of a prerequisite for Monmouth University graduate course requirements will be determined on a program-by-program basis.

Students enrolled in the Monmouth University MSW Program who must complete sixty-credits will be able to transfer a maximum of thirty (30) credits in foundation level courses of graduate work from another CSWE-accredited MSW program. Students will be eligible for these credits provided that:

1. the courses requested for transfer were completed with grades of "B" or better,
2. the courses are offered only for graduate credit at the previous institution,
3. the courses are judged appropriate by the MSW Program Director,
4. the courses were completed within the five years prior to admission into the MSW Program at Monmouth University,
5. the courses are foundational courses and do not include field placement or any of the Social Work practice sequence courses, and
6. the credits were earned at a Council on Social Work Education (CSWE)-accredited graduate program.

Students who are enrolled in a Monmouth University MSW Program with *advanced standing* and who request transfer credits will be evaluated on a case-by-case basis.

Students transferring into certificate programs are allowed to apply no more than 30 percent of the transfer credits into the program. All other restrictions stated above will apply.

Students in other master's degree programs may, with the permission of the student's program director and the school dean, transfer a maximum of nine (9) credits [1] of graduate work from another accredited graduate school, provided

1. the courses requested for transfer were completed with grades of "B" or better and were not applied toward another degree,
2. the courses are offered only for graduate credit at the previous institution, and,
3. the courses are judged appropriate by the program director for the degree program in which the student is matriculated at Monmouth University.

[1] *Students pursuing the M.A. in History or the M.A. in Anthropology will only be permitted to transfer a maximum of six (6) credits.*

Students who have successfully completed non-Monmouth English M.A. programs may submit an application for admission to the M.F.A. in Creative Writing. Their applications should include a work sample, letters of recommendation, a personal statement, and official transcripts.

- If accepted, they will be permitted to have 15 credits waived from the completed M.A. program.
- Complete the supplementary 15 credits of graduate level English courses designated with course type EN.CW.
- Complete the remaining M.A. in English required credits before continuing on to the 18-credit M.F.A. curriculum.
- The minimum grade requirement for the waived credits, as well as the 15 creative writing credits is a "B" or higher.
- Students must maintain the total of 48 credits fore the M.A./M.F.A. dual degree program as well as complete the same creative writing requirements.

The grades of transferred courses are not used in the computation of the grade point average.

Credit Transfer

Graduate credits earned at another accredited institution may be considered for transfer credit per institutional guidelines. 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 (G.P.A.).

Former Students Applying for Readmission

Readmission to the University

Former Monmouth University students not on a 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 (http://www.monmouth.edu/apply/). 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*.)

Visiting Students

Students from other institutions must provide a letter of permission from, and be in good academic and disciplinary standing at, the home institution. Applications are available from the Office of Admission. Admission as a visiting student does not constitute admission as a matriculated student. Eligible rising high school seniors may 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 to enroll for study at Monmouth University at reduced tuition. Admission requirements include the designated nonrefundable application fee and proof of age. 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 four basic criteria before being accepted and issued an I-20 Form:

- demonstration of academic ability,
- English language proficiency, and
- sufficient financial support, and
- a valid passport

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.

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)
Duolingo 1	105
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
PTE (Pearson Test of English Academic) 1	55
TOEIC 1	Listening/Reading: 700; Speaking/Writing: 7 or 270
ITEP 1	3.7 - 3.9

[1] *Note that exceptions may be made for graduate programs upon the recommendation of the graduate program director within the student's major department and with approval from the Provost's Office. Students must also 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 any of the following programs with our ESL School Partners in lieu of the TOEFL or other English proficiency exam.

ESL School Partnerships	Acceptance Level
Kaplan	Advanced Level
Zoni	Intensive English Program, Advanced Level Course
Rennert	Upper-high Intermediate level
ILSC	A1, A2 and A3
Global ESL Academy	Advanced level Academic program
ELS Center	Level 112
TALK International	University Placement Level 9 Program
Bridge Language Centers	English level C1
Converse International School of Language	English for Academic Program (EAP)
EF-Education First	Level C1-1
ELI	Advanced Level
New York Language	Upper-Intermediate Level
Universal English Center	TOEFL Exam
OHLA (Open Heart Language Academy)	Advanced 2
ELC	Upper Advanced (combined score of 1000 or greater)

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 the Monmouth University international graduate admission Web site. (http://www.monmouth.edu/admission/graduate/international.asp)

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 refer to the Monmouth University Admission Web page for international applicants (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 transferable, 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. Transcripts that are not in English must be translated and evaluated by a reputable credential evaluation service, such as 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 sixty-nine credits will be allowed for undergraduates transferring from a two-year accredited institution; a maximum of ninety 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. 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:

• Admission 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
• Monmouth University's Application for Form I-20 (http://www.monmouth.edu/uploadedFiles/Content/University/admission/international-students/FormI20.pdf)
• a copy of their passport and VISA

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 and passport (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 post-secondary 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 Veterans' Services in the Office of Student Life 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

It should be noted that more than 80 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.

Tuition and Fees Per Semester

Effective September 8, 2020

Undergraduate

Item	Semester Cost	Cost
12 - 18 credits	$19,984.00 ($356.00[1])	
Each credit in excess of 18	$1,157.00/credit	
9 - 11.5 credits	$1,157.00/credit ($356.00[1])	
Less than 9 credits	$1,157.00/credit ($178.00[1])	
Auditor Program	$385.00/credit	
Summer Session	$979.00/credit	

Graduate

Item	Semester Cost	Cost
9 or more credits	$1,267.00/credit ($356.00[1])	
Less than 9 credits	$1,267.00/credit ($178.00[1])	
Auditor Program	$424.00/credit	
Summer Session	$1,280.00/credit	

Senior Citizens (Undergraduate and Graduate)

Item	Semester Cost	Cost
9 or more credits	$333.00/credit ($356.00[1])	
Less than 9 credits	$333.00/credit ($178.00[1])	

[1] *The Comprehensive Fee includes services provided by: Student Center, Student Activities, Health Center, Intercollegiate and Intramural Athletics, Placement, Counseling, and Registration.*

Residence Halls

Item	Semester Cost	Cost
Spruce/Willow/Cedar/Laurel/Beechwood		
Single Room		5,474.00
Double Room		4,324.00
Elmwood/Pinewood		
Single Room, small		4,230.00
Single Room		5,381.00
Double Room		4,267.00
Triple Room		3,200.00
Oakwood/Redwood		
Double Room		5,289.00
Triple Room		3,898.00
Garden Apartment		6,092.00
Great Lawn/Maplewood		
Double Room		5,562.00
Triple Room		4,342.00
Mullaney Hall/Hesse Hall		
Double		4,557.00
Triple		3,570.00
University Bluffs		
Double - Per Semester		5,456.00
Double - Annual Contract (Billed in four cycles, see below:)		12,695.00
Summer session A	555.00	
Summer session E	2,035.00	
Fall	4,774.00	
Spring	5,330.00	
Intersession Housing		
Residence Halls		248.00
Apartments		401.00
Summer Room Rates (per week)		
Residence Hall		248.00
Garden Apartment		309.00
Great Lawn Apartments		309.00
University Bluffs Apartments		334.00
Study Abroad		
Argentina		
Room-Home Stay		5,000.00
Florence – Italy (room charge)		
Double – Fall		3,800.00
Double – Summer		1,190.00
Sorento, Italy	4,505.00	
Germany/France		
Single		3,400.00
Double		3,000.00
Regent's College – London (room charge)		
Double		6,500.00
Macquarie University – Australia (single room)		
Room & Board		8,500.00
Spain (Summer) (Room-Home Stay)		1,815.00
Housing Contract Cancellation Fee		500.00

Board

Item	Semester Cost	Cost
105 Meals plus points plan	3,037.00	
195 Meals plus points plan	3,204.00	
225 Meals plus points plan	3,306.00	
Carte Blanche Meal Plan	3,415.00	

Financial Information

Tuition and fees are subject to annual increases at the discretion of the Board of Trustees. Tuition and fees charges are in effect as of September 8, 2020. Monmouth University reserves the right to alter any and all charges and to do so within the academic year.

Other Fees

(All fees are nonrefundable unless otherwise noted.)

Item	Semester Cost	Cost
Application Fee	50.00	
International Application Fee	50.00	
Fall Orientation Fee (full-time, new undergraduate)	200.00	
Spring Orientation Fee (full-time, new undergraduate)	75.00	
Late Payment Fee	50.00	
Physical Education Fee (refundable)	30.00	
Lab/Studio Fee A (refundable)	100.00	
Lab/Studio Fee B (refundable)	80.00	
Lab/Studio Fee C (refundable)	60.00	
Lab/Studio Fee D (refundable)	40.00	
Lab/Studio Fee E (refundable)	20.00	
Study Abroad Fee	135.00	
Returned Check Fee	25.00	
Cooperative Education Fee	45.00	
Study Abroad Administration Fee - Fall or Spring	250.00	
Student Teacher Early Field Experience Fee	60.00	
Student Teaching Field Experience Fee	300.00	
Clinical Laboratory and Practicum Fee	300.00	
EdTPA Educator Preparation Voucher Fee	300.00	
Portfolio Assessment Fees (per course)		
Workshop	30.00	
Assessment per academic area	225.00	
Credit by Examination Fees		
Application Fee per course	15.00	
Undergraduate per credit	1/3 cr. rate	
Graduate per credit	1/3 cr. rate	
Summer Session Fees		
Workshop Fee per hour (refundable)	35.00	
Study Abroad Administration Fee - Summer	125.00	
Summer Room Rates		
Residence Hall - per week	241.00	
Garden Apartment - per week	300.00	
Great Lawn Apartment - per week	300.00	
University Bluffs Apartments – per week	325.00	
Parking Fees		
Resident (per year)[1]	350.00	
Resident (spring only)	175.00	
Late Registration (per year)	50.00	
Diploma Replacement Fee	50.00	

[1]   *Resident students who do not remain in on-campus housing in the spring may file a waiver requesting credit of 1/2 the annual parking fee.*

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 of 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.

Comprehensive Fee: The Comprehensive Fee includes services provided by the Student Center, Student Activities, Health Center, Intercollegiate and Intramural Athletics, Placement, Counseling, and Registration.

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.

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

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.

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.

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.

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

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.

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

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

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.

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

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 under "Payment Deadlines." Billing statements will be sent electronically to students and authorized users designated by the student.

Cash and Debit Card: accepted in person at the Office of the Cashier located on the first floor of the Great Hall Annex. Call 732-571-7540.

Check or Money Order: accepted in person, as above, or mailed in the envelope that is enclosed with your bill. The student's ID number must be written on all checks and money orders.

Credit Cards: Visa, MasterCard, Discover, and American Express are accepted. You may fill out the form included with your bill and return it in the envelope, also provided. This form of payment is also accepted both in person and over the phone. The person to whom the credit card is issued must call.

Online: by electronic check or credit card by logging into the Monmouth University student portal, *myMU. Select* "Student Bill & Payment Center."

A student who does not meet their financial obligations to the University will be subject to deregistration from their courses for nonpayment. Financial clearance must be met for a student to graduate or receive transcripts, either official or unofficial (student copy).

If payment is not made as required, the student will not be allowed to register for future semesters/terms until the outstanding balance is satisfied. In addition, all collection costs and fees, including, but not limited to, attorneys' fees incurred by the University, will be paid by the student.

Tuition Payment Plan

To accommodate parents and students who prefer to pay for educational expenses in monthly installments, payment plans are now available through Student Bill & Payment Center. Starting June 1st prior to each Fall semester, students can enroll in an estimated payment plan using an estimation of their Fall semester balance. Once Fall semester charges are posted on students' accounts, the estimated payment plan will automatically revert to a real-time payment plan, which will capture students' actual account balances and recalculate monthly installments accordingly.

Students will be required to pay an Enrollment Fee of $45.00 upon establishment of a monthly payment plan.

The Bursar's Office provides answers to a list of frequently asked questions (FAQs) regarding the payment plan on its web page.

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.

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. Example: For a semester consisting of seventy-five days, the sixtieth percent point would be the forty-fifth day. Note that weekends are not included toward days counted. 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, orientation 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.

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 this 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.

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 call (732-571-3463) the Financial Aid Office to engage in this planning process. In light of current public health concerns and until further notice, face to face meetings will take place via video call and by appointment only.

Application Process

The Free Application for Federal Student Aid (FAFSA) is the primary application for all federal 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, as applicable, their spouse's federal income tax data and should also include Monmouth University's Title IV School Code (002616). Where possible, students should utilize the Data Retrieval Tool (DRT) on the FAFSA to import their tax information directly from the IRS's database into the FAFSA; once income data has been imported no changes to that data should be made. Completed FAFSAs may be submitted to the U.S. Department of Education on or after October 1, 2019 and before June 30, 2021 for the 2020-21 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 package. The financial aid package will be electronically communicated to the student via the Financial Aid Award Letter; newly enrolling students will receive the award letter at the email address supplied on their application for admission, while continuing students will receive their award letter via e-mail to their University e-mail address. Continuing students may also review their financial aid package at any time on Self-Service section of the financial aid website. Students need not reply to the award letter email unless they are declining or reducing some portion of the aid being offered.

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

- 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

Funding Sources

The student's financial aid package may be comprised of a combination of grant, scholarship, and loan funding; student employment, in the form of graduate assistantships, is also available. Grants and scholarships are forms of assistance that do not have to be repaid, while loans must be repaid with interest. Please review the grants, scholarships, and loan pages which identify and describe the types of funding available at Monmouth University.

Grants and Scholarships
Graduate Scholarships

Monmouth University established the Graduate Scholarship program to provide assistance to students who have demonstrated outstanding academic achievement. Partial-tuition scholarships are awarded by the Office of Graduate Admission to students in most degree programs (students in the Physician Assistant and Speech Language Pathology programs are not eligible) on the basis of the student's cumulative grade point average; master's degree candidates will be awarded on the basis of the undergraduate graduate grade point average, while doctoral degree candidates will be awarded on the basis of their master's degree cumulative grade point average. Award amounts vary as a function of the student's entering cumulative grade point average and the number of registered credits each term. International candidates' grade point averages are converted to the American grading system. All applicants for admission are automatically evaluated for scholarship eligibility; there is no separate application process. Awards are applicable only to tuition assessed by Monmouth University and are not made in combination with the following forms of assistance: tuition remission or exchange, Second Master's Scholarships, Math/Science Educator Scholarships, and senior citizen tuition discounts. The Graduate Scholarship may be combined with a Graduate Assistantship and/or employer tuition reimbursement, but the value of the combined awards cannot not exceed the amount of tuition and fees (fees do not include books) assessed to the student's account. Scholarships are renewable throughout the duration of the student's enrollment, as long as the student maintains a minimum cumulative grade point average of at least 3.00. Graduate Scholarships are available during the regular academic year (i.e., fall and spring semesters) and in the summer term(s) provided the student enrolls in a total of at least six credits during the course of a semester (note that summer coursework may be spread out across terms, as long as the cumulative total of registered credits is 6 or more).

Second Master's Scholarship

Partial-tuition scholarships are available to students who have completed a master's degree at Monmouth University and who return to the University to matriculate for a second master's degree or graduate-level certificate.

Award amounts vary as a function of tuition and the number of credits for which a student enrolls. Scholarships are available during the fall, spring, and summer terms. All applicants for admission are automatically evaluated for scholarship eligibility; there is no separate application process. Scholarships are renewable throughout the duration of the student's enrollment, provided that the student maintains a minimum grade point average of at least 3.00.

Awards are not made in combination with the following forms of assistance: tuition remission, Math/Science Educator Scholarships, Graduate Scholarships and senior citizen tuition discounts. The Graduate Scholarship may be combined with a Graduate Assistantship and/or employer tuition reimbursement, but the value of the combined awards cannot not exceed the amount of tuition and fees (fees do not include books) assessed to the student's account. Scholarships are renewable throughout the duration of the student's enrollment, as long as the student maintains a minimum cumulative grade point average of at least 3.00. Scholarships are available during the regular academic year (i.e., fall and spring semesters) and in the summer term(s).

Math/Science Educator Scholarship

The University is committed to providing support for graduate degree candidates who intend to become teachers of math and science. Graduate students who hold a teaching certificate in any subject area may take course work toward an additional certification in math and/or science and qualify for a scholarship. Those who do not hold a teaching certificate, but who are interested in pursuing certification in math and/or science, are also eligible. However, in addition to the subject- area courses, the student must also complete the Master of Arts in Teaching (MAT) program.

Award amounts vary as a function of tuition and the number of credits for which a student enrolls. Scholarships are available during the fall, spring, and summer terms. All applicants for admission are automatically evaluated for scholarship eligibility; there is no separate application process. Scholarships are renewable throughout the duration of the student's enrollment, provided that the student maintains a minimum grade point average of at least 3.00.

Awards are not made in combination with the following forms of assistance: tuition remission, Second Master's Scholarships, Graduate Scholarships and senior citizen tuition discounts. The Graduate Scholarship may be combined with a Graduate Assistantship and/or employer tuition reimbursement, but the value of the combined awards cannot not exceed the amount of tuition and fees (fees do not include books) assessed to the student's account. Scholarships are renewable throughout the duration of the student's enrollment, as long as the student maintains a minimum cumulative grade point average of at least 3.00. Scholarships are available during the regular academic year (i.e., fall and spring semesters) and in the summer term(s).

Yellow Ribbon Grant

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, the academic level of the students to be funded, 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 (http://www.monmouth.edu/admission/Yellow_ribbon_program/default.asp). 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 a total of forty (40) students, who may be either undergraduate or graduate students. Awards are made on a first come, first served basis and students are notified of their eligibility through a 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. 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, continues to meet the eligibility criteria specified by the VA, and meets the standards of Satisfactory Academic Progress for federal awards.

Five Year Program Award

One-time awards of up to $3,000 are made to Monmouth University undergraduates who complete the baccalaureate degree and immediately start the master's degree program. Students must be full-time graduate students (nine credits or more per semester) and be admitted to a graduate program as a five year participant. The Office of Graduate Admission will advise the Financial Aid Office of eligible recipients and there is no separate application process. Students may receive this award in addition to the Graduate Scholarship or a Graduate Assistantship, but the total of all institutional aid (e.g., scholarship, five year award, and assistantship) cannot exceed tuition and fees; the award may not be made in conjunction with tuition remission or tuition exchange. If the student has an assistantship during the academic year that covers all tuition and fee charges, then student may use the five year award for summer course work, as long as the total dollar value of the award does not exceed $3,000 in the fiscal year.

Athletics Scholarships

The Department of Athletics offers a limited number of grants-in-aid, frequently called athletics scholarships, to student-athletes who are graduate students and who have remaining eligibility as per 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, within the 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. Graduate student athletes who receive an athletics scholarship must complete a Grant-In-Aid agreement, as prepared by the Department of Athletics. Student athletes are expected to fulfill their responsibilities for classroom attendance and completion of academic assignments or risk cancellation of their athletics aid ; students who cease classroom attendance or participation in academically related activities before the end of the semester may be required to repay all or a portion of scholarship funds awarded for off-campus living expenses.

Federal TEACH Grant

Through the College Cost Reduction and Access Act of 2007, Congress created the Teacher Education Assistance for College and Higher Education (TEACH) Grant program that provides grants of up to $4,000 per year (including the summer term), for a maximum of $8,000, to graduate students who intend to teach in a public or private elementary or secondary school that serves students from low-income families. 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 will be converted to a federal Direct Unsubsidized Loan, which must be repaid to the U.S. Department of Education. The student will be charged interest from the date the grant(s) was disbursed.

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:

- Complete the Free Application for Federal Student Aid (FAFSA), although you do not have to demonstrate financial need;
- Be a U.S. citizen or eligible non-citizen;
- Be enrolled as a 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 grade point average of at least 3.25);
- Sign a TEACH Grant Agreement to Serve and complete an entrance counseling session.

Educational Opportunity Fund (EOF) Grant

The EOF program, funded by the state of New Jersey, is designed to provide access to graduate education for students who participated in the EOF program at the undergraduate level. Funding is, however, limited. Students who believe they might qualify are encouraged to contact the University's EOF Office at 732-571-3462.

Graduate Endowed Scholarships

The University offers a small number of annual and endowed scholarships to graduate students, which have been made possible through the generosity of friends of the University. All enrolled students receive consideration for these awards, and there is no student-initiated application process. The Financial Aid Office, except where stipulated by the donor, will select the candidate that most closely matches the donor-established criteria. (Note that students in the MSN program must complete the FAFSA and a scholarship application available from the School of Nursing and Health Studies. Scholarship recipients will be selected by the faculty of the School.) Scholarship recipients will be notified via the financial aid award letter.

Loans
Direct Unsubsidized Loan

This is a federally funded loan program available to any graduate student who has completed the FAFSA, is a matriculated student in an eligible academic program, is a US citizen or eligible non-citizen, has maintained Satisfactory Academic Progress and is not in default on a prior student loan; credit worthiness is not a requirement for a Direct Unsubsidized loan. For graduate students, the annual borrowing limit is $20,500 and in combination with all other sources of aid cannot exceed the student's budgeted cost of attendance. The interest rate is fixed for the life of the loan at 4.30% for loans disbursed on or after July 1, 2020 and before June 30, 2021; interest begins to accrue when the loan is disbursed. Borrowers are charged, by the federal government, an up-front origination fee. For loans disbursed on or after October 1, 2020 the fee is 1.059%. Unsubsidized Loans are available during the regular academic year (i.e., fall and spring semesters) and may be available during the summer term; to access 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 course of the summer.

Student loan funds cannot be disbursed to the student's account until the student has completed a promissory note for the loan and fulfilled Entrance Counseling requirements. (Entrance Counseling is an online tutorial on the rights and responsibilities of student loan borrowers; this requirement may be waived if the student has had a Direct Loan in a prior academic year.) The Financial Aid Office will provide the student with a promissory note and Entrance Counseling materials. Once the student has completed both the Promissory note and the Entrance Counseling requirements, the funds will be electronically transferred to the student's account.

Direct PLUS Loan for Graduate Students

In addition to the general eligibility requirements noted for the Direct Unsubsidized loan, the student must also not have an adverse credit history. Students may borrow up to the cost of attendance, less other financial aid awarded. Students must also have applied for and utilized the annual loan maximum (i.e., $20,500) in the Direct Unsubsidized Loan program before applying for a Direct PLUS Loan for Graduate Students. The interest rate is fixed for the life of the loan at 5.30% for loans disbursed on or after July 1, 2020 and before June 30, 2021; interest begins to accrue when the loan is disbursed. Borrowers are charged, by the federal government, an up-front origination fee. For loans disbursed on or after October 1, 2020, that fee is 4.236%. Unless the 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. Students may apply online for a PLUS loan (https://studentloans.gov/myDirectLoan/index.action/). Graduate PLUS Loans are available during the regular academic year (i.e., fall and spring semesters) and may be available during the summer term; to access 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 course of the summer.

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% 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 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.

Nurse Faculty Loan Program (NFLP)

The U.S. Department of Health and Human Services has made funding available to the University to loan to master's degree students and doctoral candidates who intend to work as full-time nursing faculty. The program offers partial loan forgiveness for borrowers that graduate and serve as full-time nursing faculty. Awards are made by the University's Hess Chair in Nursing Education, in consultation with the Financial

Aid Office, and are offered to eligible students on a first come, first served basis. Renewal of the award in subsequent academic years is made on a funds available basis and is conditional upon the recipient having maintained Satisfactory Academic Progress (i.e., having earned a cumulative grade point average of at least 3.0 for all coursework completed at Monmouth University). Award amounts will not exceed the per semester value of tuition, fees, and books less any other grant, scholarship, or assistantship funding; the amount awarded to a student is at the discretion of the Hess Chair. To be eligible for the loan, students must be a U.S. citizen or eligible non-citizen, enrolled as a student in good standing (i.e., registered for at least 3 credits per term) in the Nursing Education M.S.N. program or the D.N.P. program and must not have judgment liens against him/her based on the default of a federal debt. Once the award has been made, the student must complete a promissory note and, for each year in which the loan is awarded, an entrance counseling session; the Financial Aid Office will provide the student with the promissory note and entrance counseling materials.

The NFLP loan will accrue interest on the unpaid balance of the loan at the rate of 3% per annum, beginning three (3) months after the student graduates. In the event that the student fails to complete the program, interest will accrue at the prevailing market rate. The NFLP loan is repayable over a ten-year period beginning nine (9) months after the borrower completes the program, ceases to be enrolled, or ceases to be employed as full-time nurse faculty.

Once the student graduates, it is expected that they will be employed as a full-time faculty member at an accredited school of nursing, and upon completion of each of the first, second, and third consecutive years of employment 20% of the remaining principle and interest will be cancelled. Starting with FY2017, under NFLP, "Full-time" nurse faculty employment is defined as being employed as a full-time faculty member at an accredited school of nursing or being employed as a part-time faculty member at an accredited school of nursing in combination with another part-time faculty position or part-time clinical preceptor position affiliated with an accredited school of nursing that together equate to full-time employment.

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 received. 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
Graduate Assistantships

This program provides on-campus employment in a variety of settings to eligible graduate students. Assistantships are generally awarded to outstanding graduate students. The Graduate Assistantship (p. 48) page of this catalog provides more detailed information. The total amount of an assistantship combined with University scholarship(s) and grants will not exceed the cost of tuition and fees in any semester, and the assistantship in combination with all other sources of aid will not exceed the budgeted cost of attendance. Interested students should contact the Office of Graduate Studies for more information.

Satisfactory Academic Progress

Federal regulations require institutions to establish minimum standards of satisfactory academic progress for students receiving federal, state, and/or institutional financial aid. All course work is considered in the evaluation of students' academic progress, whether or not the student received financial aid at the time the work was completed.

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 in future terms. Students who are deemed ineligible will be offered the opportunity to submit an appeal for reinstatement of their financial aid; refer to the Appeals section below for the appeals procedure.

The standards for determining satisfactory academic progress at Monmouth University are measured along three dimensions: cumulative grade point average, pace, and maximum time frame.

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, graduate students must maintain a minimum cumulative grade point average of 3.00 to remain eligible for institutional and/or federal funding.
- **Pace:** All students must successfully complete at least 67% of the credit hours for which they enroll. Note that repeated courses and course work assigned grades of "W," "WF," "F," or "I" will not be counted as credits completed toward graduation but will be counted as attempted credits.
- **Maximum Time Frame:** The maximum number of credits a graduate student may attempt and receive funding for is 150% of the published number of credits required to complete their degree, certificate, or endorsement program.

To maintain satisfactory academic progress for University funding, graduate students must achieve a cumulative grade point average of at least 3.0 for all graduate course work.

Appeals Process

When a student is deemed ineligible for financial aid, the student will be provided with written notification of ineligibility. The student will have the opportunity to submit a written appeal for review. All such appeals should be forwarded to the Associate Director of Financial Aid. The Associate Director will review the appeal and may elect to return

the student to good standing, continue the student's financial aid for a probationary period, reduce the student's financial aid award, or uphold the determination of ineligibility (e.g., cancel the student's financial aid). Students submitting an appeal will be provided written notification of the outcome of their appeal.

Generally, only appeals that involve documented circumstances beyond the student's control which have had an impact upon the student's academic performance will be considered. Circumstances which might merit an appeal include, but are not limited to, the following: serious illness or injury to the student or a member of the student's immediate family, a death in the immediate family, or divorce. 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; the student's financial aid will not be automatically reinstated.

Return of Financial Aid When a Student Withdraws

The federal government mandates that students who withdraw from all classes may only keep the financial aid they have "earned" up to the time of withdrawal. Funds that have been disbursed in excess of the earned amount must be returned by the University and/or the student to the source of the aid (i.e., the federal government, the state government, or the University). A withdrawn student could owe aid funds to the University, the government, or both.

A student is considered to have officially withdrawn when he or she notifies the University of his or her intent to withdraw from all classes. The date of the official notice will be used to calculate the amount of financial aid to be returned; in the absence of an official notice of withdrawal, the student's last date of attendance at an academically related activity will be confirmed with the faculty; the last date of attendance at an academically related activity will also be confirmed for a student who has not officially withdrawn and who receives a combination of all "F" and/or "W" grades at the end of the semester. The earlier of the official date of withdrawal or the last date of attendance will be used for calculating the amount of financial aid to be returned to the source. Please refer to the section entitled *Course Withdrawals* for withdrawal policies and procedures.

To determine the amount of aid the student has earned up to the time of withdrawal (either official or unofficial), the Financial Aid Office divides the number of calendar days the student has attended classes by the total number of calendar days in the semester (minus any scheduled breaks of five days or more). The resulting percentage is then multiplied by the total federal funds that were disbursed for the semester; institutional funds, state funds, and alternative loans will be prorated in the same manner. (Note that if the student remains enrolled and attends class beyond the 60% point of the semester in which aid is received, all aid is considered earned and not subject to a refund calculation.)

This calculation determines the amount of aid earned by the student that he or she may keep (for example, if the student attended 25% of the term, the student will have earned 25% of the aid disbursed). The unearned amount (total aid disbursed minus the earned amount) must be returned to the source by the University and/or the student. The Financial Aid

Office will notify and provide instructions to students who are required to return funds.

Funds that are returned to the federal government are used to reimburse the individual federal programs from which the student received the aid. Financial aid returned (by the University and/or the student or parent) must be allocated, in the following order, up to the net amount disbursed from each source:

1. Direct Unsubsidized Loan
2. Direct Graduate PLUS Loan
3. Other Federal Loan or Grant Assistance

It is also possible that the student may have "earned" the aid, but it was not yet disbursed to the student's account. Post-withdrawal disbursement occurs when the student receives less federal student aid than the amount earned (based on withdrawal date). The Financial Aid Office will determine if the student is entitled to a post-withdrawal disbursement and will then offer, in writing, a disbursement of the earned aid that was not received. All post-withdrawal disbursement offers will be made within thirty days of the date the University determined that the student withdrew. The student must accept the post-withdrawal disbursement in writing and within fourteen days from the date that the University sends the notification that the student is eligible to receive the post-withdrawal disbursement. If the student does not respond to the University's notice, no post-withdrawal disbursement will be made and the aid will be cancelled. The student may accept or decline some or all of the post-withdrawal disbursement. Accepted post-withdrawal disbursements will be made from aid programs in the following order:

1. Direct Unsubsidized Loan
2. Direct Graduate PLUS Loan
3. Other Federal Loan or Grant Assistance

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. Financial aid counselors can provide refund examples and further explain this policy to students and parents.

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

Graduate Studies

Director: R. Darrell Peterson, Ph.D.

The Graduate Studies Office provides leadership, and administrative and academic support structures for implementing and developing the graduate programs through six academic schools:

- The Leon Hess Business School (p. 128),
- The School of Education (p. 143),
- The Wayne D. McMurray School of Humanities and Social Sciences (p. 59),
- The Marjorie K. Unterberg School of Nursing and Health Studies (p. 194),
- The School of Science (p. 108),
- The School of Social Work (p. 230).

Graduate Student Life is committed to:

- Sponsoring events and activities designed to foster a sense of community among Monmouth graduate students across all disciplines and programs;
- Raising graduate students' awareness of resources and services available on campus;
- Assessing, addressing, and advocating for the distinct and diverse needs of graduate students at Monmouth;
- Providing opportunities that contribute to professional development and growth;
- Cultivating an environment in which the presence and contributions of graduate students are recognized, valued, and celebrated.

Signature Graduate Student Life programs include New Graduate Student Orientation, Graduate Student Appreciation Week, Grads Give Back day of service, Professional Development Workshop Series, De-Stress for Success, and the Graduate Assistant Appreciation Reception.

Degree Programs

Monmouth University offers a variety of courses and programs at the graduate level. These programs are designed to meet the educational needs of post-baccalaureate students who wish to acquire advanced knowledge and skills in their chosen fields of study and to engage in research and other scholarly activities.

Wayne D. McMurray School of Humanities and Social Sciences

Interim Dean: Richard F. Veit, Ph.D.

Completion of the following programs leads to a Master of Arts (M.A.):

- Addiction Studies
- Anthropology
- Communication
- Communication with a Concentration in Interactive Digital Media
- Communication with a Concentration in Strategic Public Relations and Social Media
- Criminal Justice
- English with a Concentration in Creative Writing
- English with a Concentration in Literature
- English with a Concentration in Rhetoric and Writing
- History

Completion of the following program leads to a Master of Fine Arts (M.F.A.):

- Creative Writing

Completion of the following program leads to a Master of Science (M.S.):

- Clinical Mental Health Counseling

Completion of these certificate programs leads to the following:

- Graduate Certificate in Archaeology
- Graduate Certificate in Geographic Information Systems (GIS)
- Graduate Certificate in Human Resource Management and Communication
- Graduate Certificate in Professional Counseling
- Graduate Certificate in Public Service Communication

School of Social Work

Dean: Robin Mama, Ph.D.

Completion of the following program leads to a Master of Social Work (M.S.W.):

- Clinical Practice with Families and Children Concentration
- Global and Community Practice Concentration

Completion of this graduate certificate program leads to the following:

- Graduate Certificate in Play and Expressive Therapies
- Graduate Certificate in Clinical Social Work Licensure

School of Science

Dean: Steven Bachrach, Ph.D.

Completion of the following programs leads to a Master of Science (M.S.):

- Computer Science
- Information Systems
- Software Engineering

Leon Hess Business School

Dean: Donald M. Moliver, Ph.D.

Completion of the following programs leads to the Master of Business Administration (M.B.A.):

- Business Administration
- Business Administration with a Concentration in Accounting
- Business Administration with a Concentration in Finance
- Business Administration with a Concentration in Management
- Business Administration with a Concentration in Marketing
- Business Administration with a Concentration in Real Estate

Completion of this certificate program leads to the following:

- Graduate Certificate in Accounting

School of Education

Dean: John E. Henning, Ph.D.

Completion of the following program leads to the Master of Arts in Teaching (M.A.T.):

- Master of Arts in Teaching

Completion of the following program leads to the Master of Education (M.Ed.):

- Master of Education

Completion of the following programs leads to the Master of Science in Education (M.S.Ed.):

- Literacy
- Principal
- Principal/School Administrator/Supervisor
- School Counseling
- Special Education
- Student Affairs and College Counseling
- Speech-Language Pathology

Completion of these certificate programs leads to the following:

- Graduate Certificate in Applied Behavior Analysis
- Graduate Certificate in Autism
- Graduate Certificate in Teaching English to Speakers of Other Languages (TESOL)

Completion of the subject endorsement program in Chinese leads to the following:

- Subject Endorsement in Chinese – Certificate of Eligibility with Advanced Standing (CEAS)

Completion of these New Jersey Department of Education endorsement programs leads to the following:

- Endorsement in Bilingual/Bicultural
- Endorsement in Early Childhood
- Endorsement in English as a Second Language
- Endorsement in Student Assistance Coordinator
- Endorsement in Teacher of Students with Disabilities

Completion of these New Jersey Department of Education post-master's endorsement programs leads to the following:

- Post-Master's Endorsement – Director of School Counseling Services
- Post-Master's Endorsement – Learning Disabilities Teacher-Consultant
- Post-Master's Endorsement – Supervisor

Completion of the following program leads to the Doctor of Education (Ed.D.):

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

School of Nursing and Health Studies

Dean: Ann Marie Mauro, Ph.D.

Completion of the following program leads to the Master of Science in Nursing (M.S.N.):

- Nursing

Completion of the certificate program leads to the following:

- Graduate Certificate in Forensic Nursing

Completion of these post-master's certificate programs leads to the following:

- Post-Master's Certificate: Adult-Gerontological Primary Care Nurse Practitioner
- Post-Master's Certificate: Family Nurse Practitioner
- Post-Master's Certificate: Psychiatric and Mental Health Nurse Practitioner

Completion of the following endorsement programs leads to the following:

- Graduate Endorsement in School Nursing
- Graduate Endorsement in School Nursing – Non-Instructional

Completion of the following program leads to the Master of Science in Physician Assistant:

- Physician Assistant (P.A.)

Completion of the following programs leads to the Doctor of Nursing Practice (D.N.P.):

- Doctor of Nursing Practice (D.N.P.)
- Occupational Therapy Doctorate (OTD) (for 2021)

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 undergraduate **transfer students** is coordinated in the CSS. The Center administers the MEWS—Monmouth's Early Warning System for several student populations including first year students, athletes, and **undeclared sophomores**. MEWS is used 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.

Many services and resources are available in the CSS to assist students with career exploration, career planning, part-time employment, cooperative education, internships, service learning opportunities, 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 Services**. 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 Hawks Career Link, (https://www.monmouth.edu/career-services/hawks-career-link/) 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.

Academic Skills Services

Academic Skills 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 may come voluntarily.

Content-specific tutoring by peer tutors is available in most academic disciplines. Faculty master tutors offer both one-on-one tutoring sessions and academic skills workshops on strategies for college success, such as organization and time management, note-taking and listening skills, college textbook reading strategies, and test-taking preparation. For more information, please contact **Tutoring Services** at 732-263-5721, by email (tutoringservices@monmouth.edu), or by visiting the Tutoring Services Web (http://www.monmouth.edu/tutoring/) site.

Peer, professional, and faculty writing assistants are available to help students with all stages of the writing process, from the initial drafting of the assignment through the final stages of editing and proofreading. Writing Services also offers workshops for students seeking assistance with grammar and punctuation skills and documentation styles. For more information, please contact **Writing Services** at 732-571-7542, by email (writingservices@monmouth.edu) or by visiting the Writing Services Web site (http://www.monmouth.edu/writing/).

Supplemental Instruction (SI) is a peer-facilitated academic assistance program designed to help students succeed in traditionally difficult courses. SI 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. For more information about SI, please call 732-571-5345 or visit the SI 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

Accommodations and support services are available to students with learning disabilities and/or ADHD, visual or hearing impairments, physical disabilities, medical diagnoses and health conditions, and psychological/psychiatric diagnoses. Students with documented disabilities may request reasonable accommodations and auxiliary aids that will enable them to participate in programs and activities at Monmouth University. The Department of Disability Services (DDS) works with students who choose to register with the office, submit documentation that supports the request for accommodations, and self-disclose to professors every semester.

A variety of accommodations are available to students with disabilities who attend Monmouth University. These include, but are not limited to, extended time to complete exams, testing in a distraction-reduced or private setting, use of a calculator or computer with Microsoft Word, and access to digital media materials and assistive technology software.

In order to be eligible for reasonable academic accommodations, adequate and updated documentation of a student's disability must be submitted to the DDS office. Documentation must include a specific diagnosis of a disability and support the particular academic accommodation(s) being requested. Students should contact the DDS office for particular documentation requirements or questions regarding eligibility or services.

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.l 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.

Instructional Technology Support

Monmouth University fully supports the use of technology in teaching/learning through the comprehensive services of Information Management. 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, Macintosh, and Unix/Linux. A comprehensive complement of software is available throughout campus in these labs, and course-specific software is made available in departmental computing labs.

All students are provided with an official email account and storage for course-related files and Web pages. The Student Technology Assistant Program (STAP) provides students with the opportunity to learn about current technology, while earning cash and boosting their résumé. Each semester, approximately thirty (30) undergraduate and graduate students from all majors join the program in one of several different positions. STAP members can be found working in the University's open computer labs, at the Student Help Desk, with multimedia equipment, and troubleshooting problems with computer hardware and software.

For all Information Management service needs, call the Help Desk at 732-923-4357 (HELP), Monday through Friday from 8:15 a.m. until 9 p.m. (5 p.m. on Fridays during the summer). Technicians are also on site until 11 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).

Graduate Assistantships

The employment of Graduate Assistants (GA) is a well-established and successful practice in higher education. At Monmouth University we recognized the value of GAs for educating graduate students as developing professionals in training, for the important roles GAs serve in interacting with, mentoring, inspiring and helping undergraduate students and fellow graduate students, and for providing critical support to graduate faculty.

Applications are accepted through myMU (http://my.monmouth.edu/) under I Need To… -> Apply for a Graduate Assistantship (Students must be accepted to a graduate program, receive a student identification number and create a password to access University Information Systems before they can login to myMU). The application is at the top of the Graduate Studies Office home page. To be considered for a Graduate Assistantship, you must meet all of the conditions described below. If you should qualify, and are a current student or recently enrolled student please submit a GA application, together with your most recent resume, for consideration.

Application Deadlines

Fall Assistantships: August 15th

Spring Assistantships: December 15th

For further information, please contact the:

Office of Graduate Studies
Great Hall, Room 205
Monmouth University
West Long Branch, NJ 07764-1898
Fax: 732-571-7573
Phone: 732-571-7550

Types of Graduate Assistantships

I. Graduate Assistants

Graduate Assistants (GA) may work in any division of the University in roles that do not necessarily provide direct, substantive or sustained support for teaching or research initiatives. These may include clinical or administrative duties but they must be inherently related to the student's graduate education and professional goals. Examples may include but are not limited to campus ambassador roles, support for special projects, peer mentoring and support etc. GA positions are not to be used for roles with primary responsibilities that are purely clerical or intended to provide routine secretarial, administrative or office staffing support.

II. Graduate Teaching Assistants

Graduate Teaching Assistants (GTAs) are graduate students who have instructional assignments in classrooms or laboratories, under the supervision of a faculty member who has ultimate responsibility for the course.

GTAs do not replace faculty in the classroom but enhance and permit instruction and instructional support to provide a higher quality educational experience than would be possible otherwise. GTAs provide valuable support to faculty and GTAs benefit from developing teaching skills and a deeper understanding of the discipline by working closely under the supervision of an experience faculty member.

GTAs may have one or more of the following responsibilities:

1. coordinate or assist in instruction in laboratory courses, discussion, quiz or problems sessions, and writing experiences etc.
2. assist with classroom teaching (attending classes, taking notes, taking attendance, proctoring exams, tutoring undergraduate students, help to prepare lectures and discussion sessions), e-mail and other class correspondence, other duties as assigned.
3. meet with students or small groups, lead group discussions, and hold offices hours for supporting instruction, mentoring, consultation etc. Depending on the nature of the teaching assistantship, GTAs are encouraged to hold office hours.
4. support in-classroom activities under the supervision of a faculty member.
5. lead discussion, tutorial, or supplemental sessions of courses that are taught by a faculty member.
6. special sessions and class meetings under the supervision of a faculty member.
7. administer colloquium programs or other special session.
8. a GTA may have additional, related duties as assigned.

The faculty member of record for a course bears primary and ultimate responsibility for its instruction. To ensure that the involvement of

GTAs in instruction is optimal, faculty members assume the following responsibilities:

- Determining the course content, producing the course syllabus etc.
- Determining the grading policy and assigning grades for the course
- Providing in-service training for GTAs
- Evaluating the progress of the GTA

GTAs cannot:

- Assign course grades or enter or submit course grades.
- Hold office hours as a replacement for faculty office hours.
- Be enrolled in courses for which they are assigned assistantship responsibilities.
- Provide direct instructional support in graduate courses.

III. Graduate Research Assistants

Graduate Research Assistants (GRA) assist in conducting research of a scholarly nature typically under faculty supervision. The work of a GRA may include but is not limited to developing specific research projects, theoretical analyses and models, gathering and analysis of data, special projects that require substantive research, externally funded projects that support GRA involvement, the production and/or publication of scholarly journals and research reports, and other examples.

Requirements for a Graduate Assistantship

1. An incoming graduate student must be duly matriculated in a program and have a GPA of not less than **3.0** in his/her undergraduate education.
2. After having matriculated in a program (for one or more semesters), a graduate student must have a GPA of not less than 3.0 in his/her graduate courses.
3. A student may be awarded an assistantship for a maximum of 9 credits or the actual credits registered (whichever is smaller). Graduate assistantships are compensated according to a rate scale based on credits. For example, a student awarded a 3 credit assistantship will perform work that occupies approximately 7 hours per week for a 14-week semester (total 100 hours) and will receive compensation equal to the cost of 3 credits plus 15% to cover Social Security and other mandatory tax contributions. Tuition payments and applicable deductions will be withheld from the student's pay and will be applied directly to the student's Accounts Receivable account. Please note that a graduate assistantship does not cover fees such as comprehensive fees, laboratory fees, graduation fees, etc.
4. If a graduate assistant is also receiving a graduate scholarship, then the sum of the scholarship amount and dollar equivalent of the graduate assistantship should not exceed the student's tuition for a semester.
5. Graduate assistants must be registered for the semester that they are receiving the assistantship (i.e., graduate assistants cannot credit hours worked in one semester toward tuition for another semester).
6. Upon receipt and acceptance of a graduate assistantship position, the student is responsible for the completion of all appropriate paperwork including approval by the sponsoring department for the graduate assistantship to be processed.
7. Assistants will be expected to work during the hours scheduled by the sponsoring department and Assistants are expected to be available for work at the start of the semester or this may impact their eligibility for an assistantship.
8. An updated application is required for each semester that you wish to be considered for an assistantship, by the above deadlines. Applications are not renewed automatically.
9. The Office of Graduate Studies should be promptly notified if an application has to be withdrawn.

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 (G.P.A.).
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 (G.P.A.).
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 (G.P.A.).
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 (G.P.A.).

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
P	0.00
F	0.00

Thus, if a student completes a three-credit course with a grade of A, 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). The official G.P.A. is rounded to two decimal places.

To calculate the cumulative graduate G.P.A., the total number of grade points awarded is divided by the total number of graduate credits attempted in all sessions at Monmouth University. Calculation of a major G.P.A. includes all courses taken within the major and courses cross-listed within a major. All graduate courses are included with the G.P.A. calculation, regardless of repeats.

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. All students are provided with a WebAdvisor student account through the University portal, *myMU* that enables them to view their grade reports 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. 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.

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 Graduate Academic Standards and Review Committee. 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 Incomplete. Changes to grades after a student has graduated will not be considered.

Academic Definitions

Graduate Student Classification

Matriculated/Non-Matriculated

All graduate students are classified as either matriculated or non-matriculated.

1. Matriculated graduate students are:
   a. Degree-seeking;
   b. Regular admits;
   c. Conditional admits in a degree program or certificate program of at least eighteen (18) credits.
2. Non-matriculated graduate students are:
   a. Non-degree-seeking students;
   b. Certificate students not falling in Category I.

Non-matriculated graduate students must meet basic graduate admission requirements, possess a baccalaureate degree with a minimum undergraduate GPA of 2.50, and may take up to two courses in a program.

Attendance as a non-matriculated student does not guarantee future admission as a matriculated student. Non-matriculated students are prohibited from enrolling in graduate business courses and/or graduate education courses pertaining to the Master of Arts in Teaching.

Full-Time/Part-Time

Full-time graduate students, excluding M.S.W. students, carry at least nine credits in a regular semester. Full-time M.S.W. students carry fifteen credits per semester, which includes a field internship experience. Regular full-time M.S.W. students can complete the M.S.W. degree requirements in two calendar years. Students admitted to the Advanced Standing M.S.W. program as full-time students can complete the M.S.W. degree in one calendar year.

Part-time graduate students, excluding M.S.W. students, carry fewer than nine credits per semester. Part-time M.S.W. students carry fewer than fifteen (15) credits per semester. Regular part-time M.S.W. students can complete the M.S.W. degree in four calendar years. Students admitted to the Advanced Standing M.S.W. program as part-time students can complete the M.S.W. degree in two calendar years.

Maximum Course Load

Full-time graduate students normally carry nine credits per semester. Graduate students wishing to enroll in more than fifteen credits for a regular term must first obtain permission from the department chair or program director and the school dean. The maximum course load for the summer is limited to a total of nine credits.

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 student portal, *myMU*. This application 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.

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 are provided with a WebAdvisor student account that is accessible from the Monmouth University student portal, *myMU.* All curriculum requirements can be found under the "academic audit" section.

Graduate Developmental Courses

Graduate students may request permission to take a Monmouth University undergraduate course while enrolled as a graduate student at the University. Graduate students who need to make this request should do so using their student e-FORMS account, which is accessible through the student portal, *myMU*. Please note that undergraduate courses carry no graduate credit and will be listed on the graduate transcript with a grade earned, but no credits. The undergraduate course will not be included as part of the graduate academic program nor will it be included with the graduate grade point average.

Academic Regulations

Graduate Academic Amnesty

Academic amnesty provides former graduate students of Monmouth University an opportunity to improve their program grade point average. A former graduate student of Monmouth University must be away from the University for at least two (2) calendar years to be eligible to apply for academic amnesty. The student may apply for academic amnesty with a stated plan approved by the graduate program director. If academic amnesty is granted, the student will be readmitted under the current catalog of record, and amnesty will be recorded upon his or her re-enrollment. In addition, credit will be given for all Monmouth University courses with grades of "B" or better and as many courses with grades of "B-" as possible while maintaining a program grade point average of 3.00 or better. Courses that are older than seven (7) years may not be used to satisfy curriculum requirements unless specifically approved by the appropriate academic program director.

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 repeating courses that satisfy requirements that were satisfied prior to academic amnesty.

Academic amnesty may be granted to a graduate student only once. Students who receive Academic Amnesty are required to complete additional course work in order to finish a program. Under no circumstances will grades earned by a student at Monmouth University 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 will not be applied later for fulfillment of any degree or certificate requirement. The University shall not use a grade point average adjusted by amnesty to determine the eligibility of a student for any honors that may be awarded.

The Graduate Academic Standards and Review Committee of the Graduate Studies Office shall evaluate each application for academic amnesty based on recommendation by the director of the graduate program. 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 his/her 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 his/her 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.

Graduate Academic Standing

Graduate students are required to maintain an average of 3.00 or better in all courses in the degree or certificate program in which they are enrolled at Monmouth University.

Students who fail to maintain a 3.00 or better average or who accumulate as many as three credits of "B-," "C+," "C," "C-," or "F" grades will be subject to review by the Graduate Academic Standards and Review Committee. Under no circumstances will more than six credits of "C+," "C," and "C-" grades accumulate toward degree credit. Students will not receive their degrees until the policies on the number of "C" grades and G.P.A. are met. Students who have maintained an average of 3.00 or better and who have met the grade requirements as stated above are considered to be in good academic standing.

Doctoral Academic Standing

A grade of "B" or better in each doctorate course is required to satisfy the course work in the curriculum. The students who earns less than a 'B' in a course will be allowed to repeat that course only once. Two grades below a 'B' in any individual course or two grades below 'B'; in different courses will be grounds for dismissal from the program. If a student is required to repeat a course for academic reasons, a formal request to repeat the course and continue in the program should be filed with the director of the program. If a student earns less than a 'B' in a repeated course, the student will be academically dismissed from the program. All courses must be completed with a grade of 'B' or better before starting the capstone sequence. A student in a doctoral program is required to maintain a minimum cumulative average of 3.00 during the program and meet all other academic standards of Graduate Studies.

Graduate Semester Academic Probation

All graduate students will be placed on academic probation when their cumulative G.P.A. falls below 3.00. Students on probation should not be absent from any classroom exercise, scheduled class function, laboratory, or conference period. Furthermore, they may not compete in nor travel for varsity sports or hold office in any University organization. Students on academic probation are not permitted to self-register using WEBregistration, but instead must make all schedule changes with their academic advisor.

Graduate Academic Dismissal

Students are reviewed for academic dismissal at the conclusion of the fall, spring, and summer terms. A student shall become subject to academic dismissal for failure to meet the minimum standards listed below[1]:

Credits Completed[2]	Minimum Cumulative GPA
3-9 credits	2.25
9.5-15 credits	2.50
15.5-21 credits	2.75
21.5 and more credits	3.00

[1] *Please see the Doctoral Grading Policy section of this catalog for separate academic standing criteria.*

[2] *Credits completed include all credits not officially withdrawn from*

Students who have been academically dismissed have the right to appeal that decision in writing to the Graduate Academic Standards and Review Committee.

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, for any reason, may not be present at a particular class or laboratory is, nevertheless, responsible for adhering to the attendance requirements of the course.

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 "GRADING (p. 49)" 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.

The official date of a withdrawal form is the date it is received in the Office of the Registrar. The student is responsible for completing the e-FORMS request prior to the deadline date.

Students withdrawing from some courses while remaining registered for one or more courses are required to complete a "Withdraw from Course Form," available from e-FORMS. The official date of a withdrawal form is the date the completed form is received in the Office of the Registrar and must be received prior to the Withdraw ("W") deadline date as published in the Academic Calendar.

Students who are withdrawing from all their courses are encouraged to make notification of withdrawal in writing; however, verbal or e-mail notification is acceptable under the guidelines set forth in "Refund Policy for Complete Withdrawals—fall and spring semester (p. 36)."

Except under unusual circumstances, such as prolonged illness, a student will not be permitted to withdraw from course work any later than five weeks prior to the last day of classes of the semester or its equivalent in a shorter term. In these exceptional cases, students will be withdrawn from all course work in the term.

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.

Students wishing to withdraw from classes after the specified withdrawal deadline must provide documentation of serious extenuating circumstances; the documentation will be reviewed by the appropriate faculty members teaching the courses, the department chairs, the deans of the schools in which the course(s) are housed, and the Registrar.

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.

Graduation

To qualify for graduation, all graduate students must complete all program requirements with a minimum G.P.A. of 3.00.

Diplomas are mailed to students within two weeks after the actual date of graduation.

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, G.P.A. 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.**

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 (https://www.monmouth.edu/registrar/forms.asp).

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.

Graduates: Taking Courses at Another Institution

Matriculated students who are accepted for graduate work at Monmouth University are expected to complete all remaining course work at Monmouth University. They may not take courses elsewhere for transfer credit without specific prior approval by the graduate program director, the Director of Graduate Studies, and the Registrar. If permission is granted, in order to accept the credits as transfer, the grade must be no less than a "B".

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 master's program must be satisfied within a period not exceeding **five calendar years** and not including a period of service in the Armed Forces. The graduate catalog in effect at the time of admission, readmission, or change of major (whichever is later) 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 five calendar years a student has not completed the requirements of the curriculum, the student must update the curriculum of record (including all requirements) to the most recent one that exists. Requests for exceptions to a curriculum update should be made to the respective program director. The director's recommendation is then forwarded to the academic school dean and director of graduate studies for final approval. The acceptance of graduate courses taken at Monmouth or elsewhere beyond five years is at the discretion of the program director and is made on a case-by-case basis.

Continuation of Matriculation

A "continuation of matriculation" is required of graduate students who do not complete their practicum, portfolio, project, or thesis in the registered term and will/have receive(d) an "S" grade. The continuation of matriculation is intended to keep the student pursuing his or her practicum, portfolio, project, or thesis in compliance with University policy. Students in this category must complete and submit an "Application for Thesis Continuation" e-FORM, which is available from the WebAdvisor student menu each semester until the practicum, portfolio, project, or thesis is complete and the final grade is submitted to the Office of the Registrar. The student will then be registered for a one-credit placeholder course (REG-500 for graduate students and REG-700 for doctorate students) that permits the student use of University facilities to complete this work. *Continuation of Matriculation is limited to a period of four (4) consecutive years for a maximum of eight (8) credits.*

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 student 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" (https://www.monmouth.edu/registrar/

registration_information/default.asp) page of the Monmouth University Web site.

Use of Other Credits Towards Certificates (Previous Course Work)

Students pursuing a certificate are allowed to apply no more than 30 percent of other credits[*] (i.e., transfer credits or waived classes or credit by exam) towards the certificate program.

*   *Transfer and/or waived credits in the Forensic Nursing Graduate Certificate are treated differently. Please contact the Department of Nursing for additional information.*

Use of Course Work Toward Degree Programs

Students in the M.B.A. Program must complete a minimum of thirty credits or ten courses in the required and elective core of courses at Monmouth University. Courses requested for transfer will be accepted at the discretion of officially designated evaluators for the program in the School of Business Administration. Transferred courses must be from institutions accredited to offer graduate courses and must carry a minimum grade of "B."

Students enrolled in the Monmouth University M.S.W. Program who must complete sixty-credits will be able to transfer a maximum of thirty (30) credits in foundation level courses of graduate work from another CSWE-accredited M.S.W. program. Students will be eligible for these credits provided that:

1. the courses requested for transfer were completed with grades of "B" or better,
2. the courses are offered only for graduate credit at the previous institution,
3. the courses are judged appropriate by the M.S.W. Program Director,
4. the courses were completed within the five years prior to admission into the M.S.W. Program at Monmouth University,
5. the courses are foundational courses and do not include field placement or any of the Social Work practice sequence courses, and
6. the credits were earned at a Council on Social Work Education (CSWE)-accredited graduate program.

Students who are enrolled in a Monmouth University M.S.W. Program with *advanced standing* and who request transfer credits will be evaluated on a case-by-case basis.

Students transferring into certificate programs are allowed to apply no more than 30 percent of the transfer credits into the program. All other restrictions stated above will apply.

Students who have successfully completed non-Monmouth English M.A. programs may submit an application for admission to the M.F.A. in Creative Writing. Their applications should include a work sample, letters of recommendation, a personal statement, and official transcripts.

*   If accepted, they will be permitted to have 15 credits waived from the completed M.A. program.
*   Complete the supplementary 15 credits of graduate level English courses designated with course type EN.CW.

*   Complete the remaining M.A. in English required credits before continuing on to the 18-credit M.F.A. curriculum.
*   The minimum grade requirement for the waived credits, as well as the 15 creative writing credits is a "B" or higher.
*   Students must maintain the total of 48 credits fore the M.A./M.F.A. dual degree program as well as complete the same creative writing requirements.

Students in other master's degree programs may, with the permission of the student's program director and the school dean, transfer a maximum of nine (9) credits of graduate work from another accredited graduate school, provided

1. the courses requested for transfer were completed with grades of "B" or better and were not applied toward another degree,
2. the courses are offered only for graduate credit at the previous institution, and,
3. the courses are judged appropriate by the program director for the degree program in which the student is matriculated at Monmouth University.

The grades of transferred courses are not used in the computation of the grade point average.

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.

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 graduate students in the summer is nine (9) 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. Students should login to the student portal, *myMU,* to become familiar with this account so that 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, Schedules)
- Registration (Academic Audit, Search for Courses, Prerequisite Worksheet)
- Graduation (Apply to Graduate)
- Financial Information
- e-FORMS

WebAdvisor is available for **general use** to view the **Schedule of Course Offerings**. "Search for Courses" is not restricted by User ID and password and is accessible to all users. Monmouth University provides a menu selection accessible from WebAdvisor for students that allows currently enrolled students to electronically submit academic requests to the department and to the Office of the Registrar.

Current students initiate requests with the Academic Affairs Division by utilizing the e-FORMS selection available from their WebAdvisor menu.

Instructions about how to use WebAdvisor for students and e-FORMS are posted under "Instructions" on the WebAdvisor for students main menu.

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 the 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 eighteen (18) 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. The application is linked from the main menu of WebAdvisor for students which is also accessible from the student portal.

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" page of the Monmouth University Web site. Failure to meet any of the deadlines may impact inclusion in Commencement-related activities.

Change of Degree or Certificate Program

Students who wish to change their major should seek the advice of the program director of the proposed new graduate program and make themselves familiar with requirements of the new major. Once the student decides which program they would like to change to, he or she should apply for admission to the new graduate program, being sure to include all of the appropriate or required documents with their application. Students must follow the curriculum of the new major that is in effect **at the time of the change of major.**

Changing from Non-Matriculated to Regular (Matriculated) Status

A graduate 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 matriculated student in a particular graduate program. See *Graduate Admission* for details.

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 *(*http://www.monmouth.edu/university/academic-calendars.aspx*)*) using the *Register/Remove Previously Selected Courses* feature or with the assistance of their academic advisor/department.

Students who want to petition to add a closed class, or who want to add a class after the Add/Drop Period has concluded, must complete a "Registration: Add Class Form (http://www.monmouth.edu/registrar/forms.asp#PRINT)". This form must be printed and approved by the instructor, department, and/or dean. Students attempting to add a class after the Add/Drop Period has ended must also obtain a "Retroactive Registration Form" from the Bursar. All forms must be brought to the Office of the Registrar for processing immediately after all approvals have been obtained; the forms will not be accepted after the term concludes. It is the responsibility of the student to see that all forms reach the appropriate office.

Students simultaneously adding and dropping a course (e.g., same course, different section) should use e-FORMS and select "Swap Course Registration." Approvals for this action will be done electronically, and since there is no credit change, Bursar approval is not required.

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 must fulfill the most current prerequisite requirements prior to taking courses at Monmouth University.

Full time graduate students normally carry nine (9) credits per semester. Graduate students wishing to enroll in more than fifteen credits for a regular term (fall/spring) must first obtain permission from the department chair or graduate program director and the school dean. The maximum course load for the summer is limited to a total of nine credits.

Students must fulfill the most current prerequisite requirements prior to taking courses at Monmouth University.

Transcript Requests

Current students, former students and alumni may request *printed* transcripts using the "Request for Transcript of Academic Record" (http://www.monmouth.edu/registrar/transcript/request.aspx) form on the Registrar's homepage. Please allow five (5) days for processing, except during peak times when processing times maybe delayed.

Note: There is no charge for transcripts requested through the Registrar's Office.

Transcripts may also be requested through the National Student Clearinghouse (https://secure.studentclearinghouse.org/tsorder/faces/TranscriptOrder/). The Clearinghouse will provide a PDF copy of the transcript for a small fee. If the transcript request needs to be processed immediately, the transcript request **must** be submitted through Clearinghouse. The Registrar's Office does not print transcripts on demand.

Issuance of transcripts must be first cleared by the Bursar's Office or any other University office to ensure that there are no outstanding obligations. The University may withhold transcripts, or information related thereto, if an outstanding balance exists, or if repayment of a loan granted either by or through the University is in arrears.

During a period of approximately two weeks when grades are being recorded and processed at the conclusion of a semester, transcripts cannot be issued for currently enrolled students.

Monmouth University releases only the Monmouth University transcript; it does not release the transcripts from institutions previously attended by the student.

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 Monmouth County The Point
96.9	WFPG Atlantic City
98.3	WMGQ Magic
99.7	WBHX Ocean County The Island
98.5	WBBO Ocean County
101.5	WKXW Trenton
106.3	WKMK Thunder
107.1	WWZY The Boss
107.3	WPUR Atlantic City
AM	
1010	WINS New York
1160	WOBM
1310	WOBM Monmouth and Ocean Counties
1410	WHTG
1450	WCTC New Brunswick

TV

News 12 New Jersey

Channel 4 WNBC news

Verizon Fios

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

Additionally, several offices have centralized e-mail accounts for communication, such as:

- Admission (admission@monmouth.edu)
- Bursar (bursar@monmouth.edu)
- Financial Aid (finaid@monmouth.edu)
- Library (referenc@monmouth.edu)
- Registrar (registrar@monmouth.edu)

THE WAYNE D. MCMURRAY SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

Interim Dean: Richard F. Veit, Ph.D.

Associate Dean: Michael Paul Thomas, M.F.A.

The Wayne D. McMurray School of Humanities and Social Sciences offers thirteen master's degree programs (Addiction Studies, Anthropology, Clinical Mental Health Counseling, Communication, Communication with an Interactive Digital Media Concentration, Communication with a Strategic Public Relations and Social Media Concentration, Criminal Justice, English with a Concentration in Creative Writing, English with a Concentration in Rhetoric, English with a Concentration in Literature, History, and a Master of Fine Arts (M.F.A.) in Creative Writing, as well as twenty-three undergraduate degree programs. Graduate certificates are offered in creative writing, archaeology, geographic information systems (G.I.S.), professional counseling, and two specific areas of communication. All programs of study are directed toward preparing students for working and living in a global environment.

Study in the humanities and social sciences and related professional fields provide valuable perspectives and skills necessary for both the job market and community life. Among our academic goals are proficiency in all forms of communication, such as scientific literacy; 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.

Within the School of Humanities and Social Sciences are the Freed Chair in Social Science endowed through a gift from the Gerald Freed Foundation. Professor Rekha Datta occupies the Freed Endowed Chair in Social Sciences. The Jules Plangere Jr. Chair in American Social History endowed through a gift of Life Trustee Jules Plangere Jr. Professor Katherine Parkin occupies the Jules Plangere Jr. Endowed Chair in American History and Political Studies. The McMurray-Bennett Endowed Chair in the Humanities. Professor Kristen Bluemel of the English Department occupies the Wayne D. McMurray-Bennett Chair. The Helen McMurray Bennett Endowed Chair of Social Ethics. Professor Johanna Foster occupies the Helen McMurray Bennett Endowed Chair of Social Ethics.

Anthropology

Chair: Christopher DeRosa, Department of History and Anthropology

Master of Arts in Anthropolgy (M.A.)

The Master of Arts in Anthropology provides students with the necessary credentials to fulfill a variety of professional and academic goals. For students interested in archeology, their training and degree will prepare them for full-time supervisory-level employment in archaeology, cultural resource management, historic preservation, and geographic information systems (G.I.S.). Students interested in social policy, teaching, public relations, and local community engagement will receive training in qualitative research and other conceptual tools of cultural anthropology that prepare them for work in culturally unfamiliar and diverse situations. Students planning to continue for a Ph.D. will receive a well-grounded education in theory and methods taught by well-published faculty.

Students in the program complete thirty credit hours of course work. Of the thirty credits for the program, six may be transferred from another institution.

Graduate Certificate in Archaeology

The graduate certificate in archaeology is designed for graduate students pursuing careers in cultural resource management, public archaeology, historic preservation, or museum studies. Students will be provided practical training in these fields taught by skilled practitioners with active professional networks. The 18-credit certificate exists within the Anthropology Program and draws on the strengths of the department in anthropology, archaeology, geography, geographic information systems, and history.

Graduate Certificate in Geographic Information Systems (G.I.S.)

The 12-credit graduate certificate in G.I.S. is designed for graduate students in one of the many master's programs that use spatial data, such as Anthropology, Business, Computer Science, History, Social Work, and potentially other programs. In addition to master's students, the G.I.S. graduate certificate program will accommodate working professionals who need G.I.S. training to advance their careers.

Programs
Masters

Certificates

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. vdavidov@monmouth.edu

Hillary DelPrete, Assistant Professor (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. hdelpret@monmouth.edu

Christopher DeRosa, Associate Professor and Chair (Graduate Faculty). B.A., Columbia University; Ph.D., Temple University. Fields include military history and American political history. Recent research concerns the political indoctrination of American soldiers. cderosa@monmouth.edu

Adam Heinrich, Assistant 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
aheinric@monmouth.edu

Richard F. Veit, Professor (Graduate Faculty).
Interim Dean, School of Humanities and Social Sciences. 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.
rveit@monmouth.edu

Courses

AN-CPE   Anthropology Comprehensive Exam   Credits: None
Prerequisite(s): 30 graduate credits in Anthropology
Term Offered: All Terms
Course Type(s): None
The Anthropology comprehensive exam is a zero- credit course for students, which will allow students who have completed thirty credits of graduate coursework in anthropology to take a comprehensive exam and complete their degree. This is a pass/fail course.

AN-THD   Thesis Defense   Credits: None
Prerequisite(s): AN-691 and AN-692
Term Offered: All Terms
Course Type(s): NOSRCH
A zero-credit course that is taken after completing AN-691 and AN-692. It consists of a public presentation of the student's completed thesis research. This is a pass/fail course.

AN-501   Anthropological Theory   Credits: 3
Term Offered: Fall Term
Course Type(s): None
A seminar-style course that presents students with a survey of the theories that have shaped the thinking of anthropologists for over a century. We cover theories relevant to all four subfields of anthropology (cultural, archaeological, linguistic, and biological), and compare them through a very general set of questions. The five questions asked are 1) How does society hold itself together? (structure); 2)How does society change?(history); 3) How aware are people of their society and its changes?(subjectivity); 4) How are people able to change their society? (agency); and 5) How do people divide society into groups?(alterity).

AN-502   Seminar in Biological Anthropology   Credits: 3
Term Offered: Spring Term
Course Type(s): None
Designed to provide graduate students with a foundation in the core principles of biological anthropology. We will examine both theoretical issues and empirical evidence in order to better understand evolution of the human species. Topics that will be explored in this course include evolutionary theory, primatology, paleoanthropology and human variation. In addition, this course will examine contemporary issues in human bio-cultural evolution.

AN-503   Archaeological Theory   Credits: 3
Term Offered: All Terms
Course Type(s): None
Focuses on theoretical issues, past and present, concerning the nature and explanation of culture, cultural reproduction and transformation through time, and the central role of materiality in those processes. As anthropological archaeology, the course is premised on the relationship of archaeology to anthropology and other socio-historical sciences. We will examine the development of archaeology as an academic discipline, the role of theory in interpretation of archaeological materials, and the key concepts of culture and time. The course will examine specific theoretical approaches including culture history, neo-evolutionary-functionalist-ecological approaches, neo-Marxist and materialist perspectives, processualism and postprocessualism, interaction theories (e.g., world systems theory), and contemporary approaches. These include practice/agency, contextual approaches, and other multivocal, feminist, and postcolonial theories of identity-formation in the past. The course will appeal to a wide range of social scientists, and particularly archaeologists, sociocultural anthropologists, and other disciplines working on issues of representation(e.g., museum professionals).

AN-506   Historical Archaeology   Credits: 3
Term Offered: Fall Term
Course Type(s): HSUS
An intensive introduction to historical and industrial archaeology (c. 1492+). Topics covered include exploration, imperialism, colonization, industrialization, and urbanism. Archaeological field methods and the interpretation of material culture are also introduced. Also listed as HS-506.

AN-507   Historic Artifact Analysis   Credits: 3
Term Offered: Fall Term
Course Type(s): None
A graduate-level seminar and lab on select material culture commonly recovered from historical archaeological sites. Artifact classes that are covered in the course include ceramics, glass, and a tobacco pipes. Students in the class will learn artifact identification, historical developments of artifact types, and archaeological methodology for dating and quantifying assemblages. The course also includes discussions on a various cultural aspects such as consumption, socio-economic status, gender, mercantilism, and other cultural behaviors in order to help put the artifacts into historical contexts and answer archaeological research questions.

AN-520   Field Methods in Archaeology   Credits: 3
Term Offered: All Terms
Course Type(s): None
An introduction to archaeological field methods: survey and excavation. Students will also learn excavation procedures, descriptive note writing, and drawing, and be introduced to archaeological photography, mapping, reporting, conservation, and curation. Supervised fieldwork will be conducted on archaeological sites. Also listed as HS-520.

AN-522   Ethnographic Methods   Credits: 3
Term Offered: Spring Term
Course Type(s): None
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-524   Introduction to Geographical Information Systems (GIS)

Credits: 3

Term Offered: All Terms
Course Type(s): None
Provides both the theoretical and methodological background for proficient use of Geographical 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. Also listed as GO-524.

AN-530   Zooarchaeology: The Archaeology of Animals   Credits: 3
Term Offered: Fall 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-532   Native American History and Prehistory   Credits: 3
Term Offered: Fall Term
Course Type(s): HSNW, HSWLD
Examines North America's native people in the area north of the Rio Grande. It combines North American prehistory with a historical overview of Native American experiences since contact. Evidence from archaeology, oral histories, and written sources are all presented. Challenges facing modern Native Americans are also examined. Also listed as HS-532.

AN-533   Cultural Resource Management Practicum   Credits: 3
Term Offered: All Terms
Course Type(s): None
Provides a hands-on introduction to and overview of cultural resource management archaeology (CRM), within the broader context of historic preservation. Students read about, discuss, and participate in actual historic preservation/cultural resource management projects in order to learn about current preservation practices.

AN-540   Psychological Anthropology   Credits: 3
Term Offered: All Terms
Course Type(s): None
An introduction to the subfield of psychological anthropology. Research and inquiry in psychological anthropology is rooted in two traditions. The first is culture and personality which is aligned with psychoanalytical thought; the second is cognitive anthropology which emphasizes cultural models of thought. A fundamental pursuit in psychological anthropology is the relationship between culture, behavior, and thought. Psychological anthropology seeks to understand the relationship between individual and sociocultural phenomena - between polar extremes such as personality and mind and society and culture. Explores how culture and psyche affect each other. Topics include: theoretical frameworks; culture and personality, human development, emotion, self, and mental illness.

AN-555   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-562   History of Maps and Mapping   Credits: 3
Term Offered: All Terms
Course Type(s): None
Students will study the historical developments in cartographic technique, the development of mapping in different parts of the world, and the future of mapping in the computer age. Students will focus on the ways the events and ideology of a time period influence maps and mapping, and how in turn mapping influences history and ideology. Also listed as HS-562.

AN-563   The Amazon   Credits: 3
Term Offered: Spring Term
Course Type(s): None
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-572   The History of Tourism   Credits: 3
Term Offered: Fall Term
Course Type(s): HSEU, HSWLD
Students will study the history of tourism in different parts of the world from political, social, cultural, geographic, and economic perspectives. This will include an examination of historical differences in tourist attractions, tourist behaviors, and impacts on tourist destinations and their people. Students will also study how historical memory and interpretation shapes the contemporary tourist experience, as well as questions concerning authenticity and tourism. Also listed as HS-572.

AN-573   Ecological Imperialism   Credits: 3
Term Offered: All Terms
Course Type(s): HSWLD
Ecological History will examine the relationship between human society(ies) and the natural world over recorded time. As an interdisciplinary exercise this class will draw on the natural sciences, anthropology, and history to better understand the biological, cultural, imperial, ethical, economic, religious, political, and global ramifications of the relationship between humanity and humanity's "natural" surroundings. Also listed as HS-573.

AN-575   Civilizations of the Andes   Credits: 3
Term Offered: All Terms
Course Type(s): HSNW, HSWLD
A survey of Andean history from the beginning of human settlement through the Inca Empire and the Spanish conquest to contemporary peasant society. The evolution and nature of pre-Columbian civilizations, focusing on Chavin, Paracas-Nazca, Huari-Tiahuanaco, Chimor, and the Inca; the social and political organization of the Inca empire; the Spanish conquest and its impact on native culture; contemporary social changes; and rural migration and the transformation of contemporary Andean society. Theoretical exploration of the developmental trajectory of Andean civilization. Also listed as HS-575.

AN-582   Applied Anthropology   Credits: 3
Term Offered: Fall Term
Course Type(s): None
Applied Anthropology is anthropology put to use - meaning using anthropological research and methods to solve practical problems. This is an advanced 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 resource 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-585   Colonialism in Africa   Credits: 3
Term Offered: All Terms
Course Type(s): HSNW
Analysis and appraisal of colonialism in Africa, reflecting on the political, economic, and sociocultural transformations, that occurred in Africa between 1880 and 1960. Also listed as HS-585.

AN-587   Visual Anthropology   Credits: 3
Term Offered: Spring Term
Course Type(s): None
Deals with the 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-591   Islam   Credits: 3
Term Offered: All Terms
Course Type(s): HSNW, HSWLD
This course examines Islamic history, culture, and art across the world, including but not limited to the Middle East, North Africa, the Balkans, and the Americas. Thematic coverage will include religious/spiritual/ritualistic, political, cultural, and intellectual changes, as well as, imperialism, the rise of nation-states, and cultural interaction with traditionally non-Islamic lands and peoples. Also listed as HS-591.

AN-595   Anthropology Internship/Practicum   Credits: 3
Term Offered: All Terms
Course Type(s): None
Provides graduate students with the opportunity to gain substantive career experience and build specific applied skills by working in outside programs, institutions, agencies, and firms engaged in the fields of anthropology, museum studies, public history, and geography.

AN-598   Special Topics in Anthropology   Credits: 3
Term Offered: All Terms
Course Type(s): None
Allows students to study a specific aspect of anthropology. 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.

AN-599   Independent Study in Anthropology   Credits: 1-3
Term Offered: All Terms
Course Type(s): None
Reading and research leading to significant written work under the direction of a member of the anthropology faculty. Prior permission of the directing professor and department chair is required to take this course.

AN-691   Anthropology Thesis (Research)   Credits: 3
Prerequisite(s): 15 credits in Anthropology
Term Offered: All Terms
Course Type(s): None
Reading and research leading to significant written work, under the direction of a member of the anthropology faculty. This is a pass/fail course.

AN-692   Anthropology Thesis (Writing)   Credits: 3
Prerequisite(s): 18 credits in Anthropology
Term Offered: All Terms
Course Type(s): None
Reading and research leading to significant written work, under the direction of a member of the anthropology faculty. This is a pass/fail course.

AN-693   Anthropology Library Thesis   Credits: 3
Prerequisite(s): 23 graduate credits in Anthropology
Term Offered: All Terms
Course Type(s): None
Reading and research leading to significant written work based on secondary sources, under the direction of Anthropology faculty members, for the completion of the Master's program in the History and Anthropology department. Each thesis will be supervised by a "first reader" and a "second reader." First readers must be full-time faculty with terminal degrees in the field. Registration for thesis credits is completed after a successful defense of a prospectus (thesis proposal). This is a pass/fail course.

M.A. in Anthropology - Thesis Track

Code	Title	Credits
Requirements (24 credits)		
AN-501	Anthropological Theory	3
AN-502	Seminar in Biological Anthropology	3
AN-503	Archaeological Theory	3
Select two of the following:		6
AN-520	Field Methods in Archaeology	
AN-522	Ethnographic Methods	
AN-524	Introduction to Geographical Information Systems (GIS)	
Select three of the following:		9
AN-506	Historical Archaeology	
AN-533	Cultural Resource Management Practicum	
AN-540	Psychological Anthropology	
AN-555	Ancient Technology	
AN-563	The Amazon	
AN-573	Ecological Imperialism	
AN-532	Native American History and Prehistory	
AN-562	History of Maps and Mapping	
AN-572	The History of Tourism	
AN-582	Applied Anthropology	
AN-585	Colonialism in Africa	
AN-587	Visual Anthropology	
AN-595	Anthropology Internship/Practicum	
One AN-5xx Special Topics Class		
Thesis (6 credits)		
Select one option listed below:		6

AN-691	Anthropology Thesis (Research)	
AN-692	Anthropology Thesis (Writing)	
OR		
AN-693	Anthropology Library Thesis	
AND		
	Select three additional credits from Anthropology at the 500+ level	
AN-THD	Thesis Defense	0
Total Credits		30

Admission Requirements

1. Possession of a baccalaureate degree from an accredited college or university with a minimum 3.00 GPA.
2. Essay (500 words) highlighting personal and/or professional goals and objectives for wanting to pursue graduate study in the field of anthropology.
3. Two professional letters of recommendation from persons familiar with the prospective student's academic and/or professional competence.

Archaeology Graduate Certificate

Code	Title	Credits
AN-503	Archaeological Theory	3
AN-506	Historical Archaeology	3
AN-520	Field Methods in Archaeology	3
AN-532	Native American History and Prehistory	3
Select 6 credits from the following list of courses:		6
AN-524	Introduction to Geographical Information Systems (GIS)	
AN-533	Cultural Resource Management Practicum	
AN-555	Ancient Technology	
AN-595	Anthropology Internship/Practicum	

Admission Requirements

1. Possession of a baccalaureate degree from an accredited college or university with a minimum 3.00 GPA.
2. Essay (500 words) highlighting personal and/or professional goals and objectives for wanting to pursue graduate study in the field of anthropology.
3. Two professional letters of recommendation from persons familiar with the prospective student's academic and/or professional competence.

Communication

Aaron Furgason, Chair, Department of Communication

Communication (M.A.)

Effective communicators are in high demand, especially in the ever-changing social and digital media landscape. Whether you are interested in entering or advancing your career, Monmouth University's **30-credit Master of Arts in Communication** gives you an in-depth, inspired understanding of how information, media, and organizations intersect within our global society.

Through classes and seminars you will learn how to address real-world challenges in public relations; interactive and digital media; public service and community relations; and organizational communication. Monmouth offers two concentrations and two certificates to specialize your studies based on your career goals and interests.

You will emerge from the program with a thorough understanding of theory and methods as well as professional application skills taught by dynamic and accessible faculty members who are recognized communication scholars and practitioners.

Master's

M.A. in Communication (Non-Thesis Track) (p. 68)
M.A. in Communication (Thesis Track) (p. 68)
M.A. in Communication with a Concentration in Interactive Digital Media (p. 69)
M.A. in Communication with a Concentration in Strategic Public Relations and Social Media (Non-Thesis Track) (p. 70)
M.A. in Communication with a Concentration in Strategic Public Relations and Social Media (Thesis Track) (p. 70)

Certificates

Public Service Communication Certificate (p. 68)
Human Resources Management and Communication Certificate (p. 67)

Programs
Masters

- M.A. in Communication (Non-Thesis Track) (p. 68)
- M.A. in Communication (Thesis Track) (p. 68)
- M.A. in Communication with a Concentration in Interactive Digital Media (p. 69)
- M.A. in Communication with a Concentration in Strategic Public Relations and Social Media (Non-Thesis Track) (p. 70)
- M.A. in Communication with a Concentration in Strategic Public Relations and Social Media (Thesis Track) (p. 70)

Certificates

- Human Resources Management and Communication (p. 67)
- Graduate Certificate Public Service Communication (p. 68)

Faculty

Richard Cox, Assistant 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.
rcox@monmouth.edu

Chad E. Dell, Associate Professor (Graduate Faculty). B.A., M.A., Ph.D., University of Wisconsin-Madison. Primary fields are broadcasting and cultural studies. Special interests include television production and analysis, broadcast history, and media policy. Research interests focus on an analysis of the exercise of power at the intersection of broadcast industries and audiences. Faculty advisor to Alpha Epsilon Rho, the student chapter of the National Broadcasting Society.
cdell@monmouth.edu

Eleanor Novek, Professor (Graduate Faculty). B.A., Georgia State University; M.A., Ph.D., Annenberg School of Communication, University of Pennsylvania. Specialties are journalism, gender studies, research methods, and social justice research. Research interests in racial discrimination, prison issues, high school journalism, and service learning.
enovek@monmouth.edu

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 political communication, rhetoric, critical/cultural studies, and gender. Teaches Political Communication, Critical Discourse, First Year Seminar, Senior Seminar, and Introduction to Communication.
mphillip@monmouth.edu

Deanna Shoemaker, Associate Professor and Graduate Program Director (Graduate Faculty). B.F.A., Webster University; M.A., Ph.D., University of Texas at Austin. Primary fields are Performance and Theater Studies, Communication Studies, and Gender Studies. Special interests include feminist performance practices, performance of literature, performance ethnography, critical race theory, and First Year Seminar. Research interests include cultural and aesthetic performances of femininity and critical staging of race/ethnicity and sexuality. Faculty advisor to Comm Works, Students Committed to Performance.
dshoemak@monmouth.edu

Marina Vujnovic, Associate 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, media history and gender, critical political economy, and cultural studies, and First Year Seminar. Research interests focus on international communication and global flow of information; journalism studies; and explorations of the historical, political-economic, and cultural impact on media, gender, and ethnicity. Faculty advisor to the student-operated online news magazine, The Verge.
mvujnovi@monmouth.edu

Courses

CO-COL   Colloquium in Communication   Credits: 1
Term Offered: All Terms
Course Type(s): None
Department faculty will present their areas of research and graduate courses they teach. Students network with other students, professors, and speakers from various branches of the field of communication. Graduating students present their research in this forum. This is a pass/fail course.

CO-CPE   Communication Comprehensive Exam   Credits: None
Term Offered: All Terms
Course Type(s): None
Communication Comprehensive Exam This is a pass/fail course.

CO-501   Communication Theories for Professional Life   Credits: 3
Term Offered: Spring Term
Course Type(s): EN.RW
Introduces foundational ideas in the fields of human and mass communication and the ways scholars have developed these through research. Highlights theories that apply to public service communication(social responsibility, relationship building, etc.). Students learn to write literature review exploring recognized branch of theory.

CO-502   Research Methods for Professional Life   Credits: 3
Term Offered: Fall Term
Course Type(s): None
Introduces commonly employed quantitative and qualitative research techniques in communication as well as research ethics. Students learn to design a research project, conduct a pilot study, and write a formal proposal. Research for the public good will be emphasized.

CO-503   Graduate Foundations in Communication   Credits: 3
Term Offered: All Terms
Course Type(s): None
Introduces new students to the field of communication, its history, branches and disciplines, emphasizing communication for the public good. Assists students in meeting demands of graduate study, using research resources, and understanding departmental policies. Establishes public service objectives of the program. Introduces options for final thesis or project. Students create a plan of study to guide future course and project selections.

CO-504   Principles of Public Relations   Credits: 3
Term Offered: All Terms
Course Type(s): None
Explores the theoretical foundations and principles that encompass the field and practice of public relations. In addition to surveying relevant public relations communication theories, students will develop core competency skills in the creation and execution of strategies and tactics that encompass comprehensive public relations campaigns.

CO-505   Interpersonal Communication   Credits: 3
Term Offered: All Terms
Course Type(s): None
An examination of the theories, models, elements, and processes of dyadic communication with emphasis on relationship development. The concepts, principles, and practices of interpersonal communication will be applied to selected interpersonal contexts, such as first encounters, marriage, family, friendship, professional, and business settings.

CO-507   Organizational Communication   Credits: 3
Term Offered: All Terms
Course Type(s): None
The study of the role and impact of communication in contemporary organizations and a survey of contemporary organizational research. Examination of how an organization's structure, management philosophy, and internal culture impact the flow of information, productivity, and goal achievement of the organization and its members and clients. Study of the communication processes in business, medical, educational, and nonprofit organizations.

CO-508   Presentational Communication: Design and Delivery   Credits: 3
Term Offered: Fall Term
Course Type(s): TPS
A survey of the rhetorical principles that provide a basis for the production and analysis of effective oral presentation and impression management. Speech writing and delivery of persuasive presentations with a particular emphasis on presentational technologies. Preparation for a variety of public communication challenges are studied, and student presentation skills are honed in practice sessions.

CO-509   Communication, Culture, and Community   **Credits: 3**
Term Offered: Spring Term
Course Type(s): TPS
Fosters an understanding of community as a communication concept and explores the performance of community roles through civic engagement and democratic participation. Students will explore the nature of community, the impact of institutions in everyday life, the consequences of individual, social, and global privilege, and the role of personal responsibility in communities. Students test the possibilities and problems of contemporary forms of community through a community-based service project.

CO-510   Global Communication and Public Relations   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
A critical analysis of globalization and global communication theory, research, and other selected theoretical concepts as they apply to international communication, media and public relations. Global communication will be portrayed from various theoretical perspectives, and this class will examine major trends and stakeholders. Global communication will be examined from historical, cultural, economic, public policy, journalism and media, new technology, communication industry, and public relations perspectives. Particular emphasis will be on the growing field of scholarly literature in the area of global public relations.

CO-511   Strategic Digital Communication   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Through case study analysis, practical assignments, and examination of key public relations and marketing research studies, this seminar type class provides students with an intensive study of the strategic application of integrated digital and social communication tactics as they relate to the fields and practice of public relations and marketing. Through the strategic development of digital integrated communication plans, students will gain an increased understanding of how to engage clients and build online communities, identify influences, establish thought leadership and apply digital marketing techniques.

CO-512   Intercultural Communication and Diversity Management   **Credits: 3**
Term Offered: All Terms
Course Type(s): TPS
An examination of the cultural nature of communication and the dynamics of face-to-face interaction between persons from diverse cultures and co-cultures. Examining the challenge of managing a diverse organizational workforce in a multicultural society and methods to increase organization members' intercultural communication competence.

CO-514   Conflict Management and Negotiation   **Credits: 3**
Term Offered: All Terms
Course Type(s): TPS
Theory and research on the nature, causes, and resolution of interpersonal, group, and organizational conflict. A comprehensive examination of conflict styles, techniques, and methods of resolution of conflicts. Emphasis is placed on information sharing, effective listening, problem solving, mediation, and negotiation as tools for conflict management.

CO-516   Public Relations and Fundraising for Nonprofits   **Credits: 3**
Term Offered: All Terms
Course Type(s): TPS
Through case study analysis, practical assignments, and examination of key public relations theories, this course provides an understanding of the important role that public relations plays in furthering the mission and goals of nonprofit and non-government organizations (NGOs). Instruction focuses on using effective public relations techniques to gain support from different constituencies.

CO-520   Communication Ethics   **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
Communication ethics is the study of the principles that govern the conduct of private and public communication in the pursuit of the personal and common good. Provides an introduction to communication ethics through the writings of important ancient and contemporary scholars.

CO-524   Public Opinion and Media   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
An examination of the shifting nature of public opinion, the agenda-setting role of mass media, and the survey methods that are employed to determine public opinion. The practices, values, and traditions of journalism that impact public opinion. Experience with the conduct of a survey and analysis of case studies.

CO-525   Political Communication   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
The study of traditional and contemporary theories of rhetoric as applied in research and analysis of political campaigns. The rhetorical creation, maintenance, application, and legitimization of symbolic power. A survey of analytic models of political communication and application of the models to case studies. The role of the political communication specialist. Practicum in political communication strategies and techniques. Also listed as PS-525.

CO-526   Advanced Public Relations Planning   **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Explores advanced theoretical foundations and principles demanded of public relations professionals working with corporations, for-profit entities, and non-profit organizations. In addition to surveying relevant public relations communication theories, students will develop advanced competency skills required to plan and execute comprehensive public relations campaigns. Also examines the dynamics of the evolving approach to integrated marketing communication that currently dominates the field and practice of public relations.

CO-527   Crisis and Issues Management   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Advanced public relations theory and practices dealing with management of organizational crisis and issues. The process of research, analysis, planning, and implementation of crisis management will be explored. The role of the public relations professional in the development of crisis communication strategies and tactics will be examined. Control of crisis, rumor, public perception, corporate image, and reputation will be emphasized. Case studies, simulations, group exercises, and projects will be used to develop skills in crisis and issues management.

CO-532   Global Media and New Technologies   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
An examination of the interlinked world of international mass media systems and media technologies; how societies and nations are both connected and divided by communication methods, technologies, national and international policies, and cultural expression. Students will examine the variety of models of electronic media around the globe and investigate the influence of national and international policy decisions on sovereign nations and indigenous culture, particularly in light of the constant advances of emerging media technologies.

CO-540   Organizational Training and Consulting   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
A survey of adult-learning theory, needs assessment, training techniques, and evaluation as applied to communication training. Planning and implementing training programs that serve real organizational needs. The role and ethical standards of the communication professional serving as a communication specialist or counsel to an organization. The completion of a practicum project in training or development.

CO-561   Message Construction: Audio, Video and Web   **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
How do we create engaging, media-rich content for mobile, tablet and desktop users in professional settings? This class explores the technical, aesthetic and critical tools needed to create professional audio, video and images for online visual communication. Real-world projects that related to the student's field of interest are implemented throughout the course to craft and refine skills in message construction.

CO-562   Interactive Media Theory   **Credits: 3**
Term Offered: All Terms
Course Type(s): IM
This seminar examines recently possible technologies as a measure for understanding social values, cultural directions, market trends, and imagined horizons. Students respond and discuss readings and screenings that explore but are not limited to: Immersive technologies, artificial intelligence and automation, expansion of digital platforms, globalization, data science, visualization, internet-of-things, cybersecurity, digital fabrication, applied networks, robotics, and digital citizenship.

CO-563   Interactive Digital Media Studio   **Credits: 3**
Term Offered: All Terms
Course Type(s): IM, TPS
Explores the design and production cycles of recent technology tools and platforms for visual and computational communication and focuses on aesthetic and technical processes. Students prototype interactive-based projects and campaigns. Current technologies include time-based media production, ubiquitous computation, user experience and user-centered design, social media integration, working in development teams, voice and gesture recognition, interface and control, immersion, augmented and virtual reality, geolocation applications, crowd sourcing, and tools for social change.

CO-564   Community-Based Digital Projects   **Credits: 3**
Term Offered: All Terms
Course Type(s): TPS
In this practicum course, students research alongside faculty to solve real-world challenges by understanding innovation via feasibility, desirability, and viability. Real world clients and stakeholders present project challenges to the practicum research team in briefings. The research team assesses scope, playtests prototype solutions, prepares specifications, and offers addressable implementations to clients.

CO-565   Special Event Planning and Promotion   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Many organizations use events as a public relations strategy to build and maintain relationships with key stakeholders. Through case study analysis, practical assignments, and examination of key public relations theories, this course introduces students to successful event planning and promotion. Emphasis is on creating, organizing, identifying sponsors, publicizing and implementing special events.

CO-584   Leadership Communication   **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
The theory, research, and practice of leadership from a communication perspective. The examination of research on leadership concepts and theories in organizational, group. and public contexts is interdisciplinary in scope. Students will analyze their personal leadership styles, critique historic and contemporary models, examine and develop leadership communication skills through team projects, class exercises, and research.

CO-592   Interactive Storytelling with Data   **Credits: 3**
Term Offered: All Terms
Course Type(s): COPRM, CORTP, IM, TPS
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 undergraduate course, CO-492. Also listed as DS-525.

CO-595   Graduate Internship in Communication   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Designed for students with less than one-year professional experience. Supervised practical work experience with media outlets, advertising and promotion agencies, public relations firms, film companies, etc. Involves cooperative efforts of departmental faculty and employers. Exposure to current and innovative techniques in research, management, and creative activities while offering practical experience. Instructor consent is required to take this course.

CO-598   Special Topics in Communication   **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
Subject matter varies with the interests of the students and the professor. Intensive study of such topics in communication processes as gender relations, small group communication and decision making, leadership communication, film and video criticism, telecommunication technology, and legal communication. If a prerequisite is required it will be announced in the course schedule.

CO-599   Independent Study in Communication   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Guided research in selected topics in Communication. Prior permission of the directing professor and department chair is required to take this course.

CO-691   Communication Thesis Proposal   **Credits: 3**
Prerequisite(s): CO-501, CO-502, and completion of nine graduate level communication credits (or approved equivalent), and permission of the faculty thesis advisor
Term Offered: All Terms
Course Type(s): None
A two-semester sequence of an independent research study in consultation with a faculty thesis advisor. In this first semester, the student will select an area of communication research and develop a thesis proposal. The completed ten to fifteen page proposal will include a research question or hypothesis, rationale for study, literature review, methodology, and (if applicable) approval from the Institutional Review Board for research involving human participants.

CO-692   Communication Thesis   **Credits: 3**
Prerequisite(s): CO-691
Term Offered: All Terms
Course Type(s): None
A two-semester sequence of an independent research study in consultation with a faculty thesis advisor. In the second semester, the student will complete work to execute the thesis proposal from CO-691. In consultation with the faculty thesis advisor, two additional thesis readers will be assigned. Those readers and thesis advisor comprise a faculty thesis committee. The completed thesis of no less than twenty-five pages will include: a research question or hypothesis, rational for study, literature review, methodology, results, discussion, conclusion, complete bibliography, and appropriate appendices. If a student required an IRB approval for human subjects research, this documentation must be a part of the appendices. Upon completion of the study, the student is required to defend the thesis before a faculty committee and to make a presentation in the CO-503 Graduate Foundations in Communication class.

CO-693   Communication Project Proposal   **Credits: 3**
Prerequisite(s): CO-501, CO-502, and completion of nine graduate level communication credits
Term Offered: All Terms
Course Type(s): None
A two-semester sequence of an independent professional project in consultation with a faculty project advisor. In the first semester, the student will review relevant trade and scholarly literature and conduct research leading to the development of a project proposal. The student must receive approval of the project advisor based on a demonstration of his or her pre-existing competence with media message construction.

CO-694   Communication Project   **Credits: 3**
Prerequisite(s): CO-693 and permission of the faculty project advisor
Term Offered: All Terms
Course Type(s): None
A two-semester sequence of an independent professional project in consultation with a faculty project advisor. In the second semester the student will complete work to execute the project proposal from CO-693. The project requires the production and execution of a professional-quality media message of significant length and value for a public service organization as well as a well-researched paper documenting and justifying the process. Upon completion of the project, the student is required to defend the project before a faculty committee and to make a presentation in CO-COL, Graduate Colloquium.

CO-695   Interactive Digital Media Thesis Project   **Credits: 3**
Prerequisite(s): CO-562, CO-563, CO-564, BM-512, SE-517, completion of three additional graduate level communication credits and permission of the instructor
Term Offered: All Terms
Course Type(s): TPS
Students will review relevant industry, scholarly, and market literature and conduct precedent research leading to the development of prototypes for an innovative product or service. Students will develop and implement a highly considered and designed product or service as a market-ready, functional prototype. Working with targeted stakeholders and incubation mentors, the student will create specifications and hone the project scope of the project prototype for public release. The student will develop a business plan for wider release, acceleration, or further incubation of the project after the completion of this Masters thesis course.

Certificate in Human Resources Management and Communication

Code	Title	Credits
Requirements (18 credits)		
CO-507	Organizational Communication	3
BM-635	Human Resource and Organizational Development	3
Select four of the following:		12
CO-505	Interpersonal Communication	
CO-508	Presentational Communication: Design and Delivery	
CO-510	Global Communication and Public Relations	
CO-512	Intercultural Communication and Diversity Management	
CO-514	Conflict Management and Negotiation	
CO-540	Organizational Training and Consulting	
CO-584	Leadership Communication	
CO-595	Graduate Internship in Communication [1]	
Total Credits		18

[1]   *Strongly recommended for students with less than one year of professional experience*

Admission Requirements

1. Possession of a baccalaureate degree with a 2.75 overall GPA and a 3.0 GPA in the undergraduate major.

2. Two letters of recommendation. Letters from current or former professor recommended. If these are unavailable, letters may be sought from current colleagues, or a current or recent supervisor.

3. Personal essay of not more than 750 words that describes your preparation for study in the program and personal objectives for graduate study.

4. Digital and/or hard copy portfolio of select samples of work, including a writing sample, that demonstrates initiative and achievement in academic, professional, and/or community settings. (Applicants who have earned an undergraduate degree the previous year must submit scores from the GRE.)

5. Résumé.

Graduate Certificate in Public Service Communication

Code	Title	Credits
Requirements (18 credits)		
CO-509	Communication, Culture, and Community	3
CO-520	Communication Ethics	3
Electives:		
Select 12 Credits from the following list: [1]		12
CO-505	Interpersonal Communication	
CO-507	Organizational Communication	
CO-508	Presentational Communication: Design and Delivery	
CO-510	Global Communication and Public Relations	
CO-511	Strategic Digital Communication	
CO-516	Public Relations and Fundraising for Nonprofits	
CO-524	Public Opinion and Media	
CO-527	Crisis and Issues Management	
CO-532	Global Media and New Technologies	
CO-561	Message Construction: Audio, Video and Web	
CO-565	Special Event Planning and Promotion	
CO-595	Graduate Internship in Communication	
Communication 500-Level Special Topics course		
Communication 500-Level Independent Study		
Total Credits		18

[1]   *An elective taken outside of Communication may be substituted for an elective.*

Admission Requirements

1. Possession of a baccalaureate degree with a 2.75 overall GPA and a 3.0 GPA in the undergraduate major.
2. Two letters of recommendation. Letters from current or former professor recommended. If these are unavailable, letters may be sought from current colleagues, or a current or recent supervisor.
3. Personal essay of not more than 750 words that describes your preparation for study in the program and personal objectives for graduate study.
4. Digital and/or hard copy portfolio of select samples of work, including a writing sample, that demonstrates initiative and achievement in academic, professional, and/or community settings. (Applicants who have earned an undergraduate degree the previous year must submit scores from the GRE.)
5. Résumé.

M.A. in Communication (Non-Thesis Track)

Code	Title	Credits
Requirements (30 credits)		
CO-501	Communication Theories for Professional Life	3
CO-502	Research Methods for Professional Life	3
CO-503	Graduate Foundations in Communication	3
Capstone		
CO-CPE	Communication Comprehensive Exam	0
Electives		
Select 21 Credits in Communication (CO): [1]		21
CO-505	Interpersonal Communication	
CO-507	Organizational Communication	
CO-508	Presentational Communication: Design and Delivery	
CO-509	Communication, Culture, and Community	
CO-510	Global Communication and Public Relations	
CO-511	Strategic Digital Communication	
CO-516	Public Relations and Fundraising for Nonprofits	
CO-520	Communication Ethics	
CO-524	Public Opinion and Media	
CO-527	Crisis and Issues Management	
CO-532	Global Media and New Technologies	
CO-561	Message Construction: Audio, Video and Web	
CO-565	Special Event Planning and Promotion	
CO-595	Graduate Internship in Communication	
Communication 500-Level Independent Study		
Total Credits		30

[1]   *An elective taken outside of Communication may be substituted.*

Admission Requirements

1. Possession of a baccalaureate degree with a 2.75 overall GPA and a 3.0 GPA in the undergraduate major.
2. Two letters of recommendation. Letters from current or former professor recommended. If these are unavailable, letters may be sought from current colleagues, or a current or recent supervisor.
3. Personal essay of not more than 750 words that describes your preparation for study in the program and personal objectives for graduate study.
4. Digital and/or hard copy portfolio of select samples of work, including a writing sample, that demonstrates initiative and achievement in academic, professional, and/or community settings. (Applicants who have earned an undergraduate degree the previous year must submit scores from the GRE.)
5. Résumé.

M.A. in Communication (Thesis Track)

Code	Title	Credits
Requirements (30 credits)		
CO-501	Communication Theories for Professional Life	3
CO-502	Research Methods for Professional Life	3
CO-503	Graduate Foundations in Communication	3
Capstone: Select Thesis or Project:		

CO-691	Communication Thesis Proposal	3
or CO-693	Communication Project Proposal	
CO-692	Communication Thesis	3
or CO-694	Communication Project	
Electives		
Select 15 credits in Communication (CO): [1]		15
CO-505	Interpersonal Communication	
CO-507	Organizational Communication	
CO-508	Presentational Communication: Design and Delivery	
CO-509	Communication, Culture, and Community	
CO-510	Global Communication and Public Relations	
CO-511	Strategic Digital Communication	
CO-516	Public Relations and Fundraising for Nonprofits	
CO-520	Communication Ethics	
CO-524	Public Opinion and Media	
CO-527	Crisis and Issues Management	
CO-532	Global Media and New Technologies	
CO-561	Message Construction: Audio, Video and Web	
CO-565	Special Event Planning and Promotion	
CO-595	Graduate Internship in Communication	
Communication 500-Level Independent Study		
Total Credits		30

[1] *An elective taken outside of Communication may be substituted.*

Admission Requirements

1. Possession of a baccalaureate degree with a 2.75 overall GPA and a 3.0 GPA in the undergraduate major.
2. Two letters of recommendation. Letters from current or former professor recommended. If these are unavailable, letters may be sought from current colleagues, or a current or recent supervisor.
3. Personal essay of not more than 750 words that describes your preparation for study in the program and personal objectives for graduate study.
4. Digital and/or hard copy portfolio of select samples of work, including a writing sample, that demonstrates initiative and achievement in academic, professional, and/or community settings. (Applicants who have earned an undergraduate degree the previous year must submit scores from the GRE.)
5. Résumé.

M.A. in Communication with a Concentration in Interactive Digital Media

Code	Title	Credits
Requirements (15 credits)		
CO-562	Interactive Media Theory	3
CO-563	Interactive Digital Media Studio	3
CO-564	Community-Based Digital Projects	3

SE-517	Engineering Web-Based Systems	3
BM-512	Entrepreneurship and Innovation	3
Thesis Project (3 credits)		
CO-695	Interactive Digital Media Thesis Project	3
Electives: (12 credits)		
Select 12 credits from the following list: [1]		12
BM-510	Business Analysis, Research and Communication	
AR-597	Fine Art/Design Studio	
CO-508	Presentational Communication: Design and Delivery	
CO-509	Communication, Culture, and Community	
CO-510	Global Communication and Public Relations	
CO-511	Strategic Digital Communication	
CO-516	Public Relations and Fundraising for Nonprofits	
CO-526	Advanced Public Relations Planning	
CO-532	Global Media and New Technologies	
CO-561	Message Construction: Audio, Video and Web	
CO-592	Interactive Storytelling with Data	
CO-595	Graduate Internship in Communication	
Communication 500-level Independent Study		
Total Credits		30

[1] *An elective taken outside of the Department of Communication may be substituted for a Communication elective.*

Sequence Chart

First Year

Fall	Credits	Spring	Credits
CO-562 Interactive Media Theory	3	BM-512 Entrepreneurship and Innovation	3
CO-563 Interactive Digital Media Studio	3	SE-517 Engineering Web-Based Systems	3
AR/BM/CO/SE Elective	3	AR/BM/CO/SE Elective	3
Semester Credits	9	Semester Credits	9

Second Year

Fall	Credits	Spring	Credits
CO-564 Community-Based Digital Projects	3	CO-695 Interactive Digital Media Thesis Project	3
AR/BM/CO/SE Elective	3	AR/BM/CO/SE Elective	3
Semester Credits	6	Semester Credits	6

Total Credits 30

Admission Requirements

1. Possession of a baccalaureate degree with a 2.75 overall GPA and a 3.0 GPA in the undergraduate major.
2. Two letters of recommendation. Letters from current or former professor recommended. If these are unavailable, letters may be sought from current colleagues, or a current or recent supervisor.
3. Personal essay of not more than 750 words that describes your preparation for study in the program and personal objectives for graduate study.

4. Digital and/or hard copy portfolio of select samples of work, including a writing sample, that demonstrates initiative and achievement in academic, professional, and/or community settings.

5. Résumé.

M.A. in Communication with a Concentration in Strategic Public Relations and Social Media (Non-Thesis Track)

Code	Title	Credits
Requirements (30 credits)		
CO-501	Communication Theories for Professional Life	3
CO-502	Research Methods for Professional Life	3
CO-503	Graduate Foundations in Communication	3
CO-504	Principles of Public Relations	3
CO-511	Strategic Digital Communication	3
CO-526	Advanced Public Relations Planning	3
Capstone		
CO-CPE	Communication Comprehensive Exam	0
Electives		
Select 12 Credits in Communication (CO): [1]		12
CO-507	Organizational Communication	
CO-508	Presentational Communication: Design and Delivery	
CO-509	Communication, Culture, and Community	
CO-510	Global Communication and Public Relations	
CO-516	Public Relations and Fundraising for Nonprofits	
CO-520	Communication Ethics	
CO-524	Public Opinion and Media	
CO-527	Crisis and Issues Management	
CO-532	Global Media and New Technologies	
CO-561	Message Construction: Audio, Video and Web	
CO-565	Special Event Planning and Promotion	
CO-595	Graduate Internship in Communication	
Communication 500-Level Independent Study		
Total Credits		30

[1]   *An elective taken outside of Communication may be substituted.*

Admission Requirements

1. Possession of a baccalaureate degree with a 2.75 overall GPA and a 3.0 GPA in the undergraduate major.

2. Two letters of recommendation. Letters from current or former professor recommended. If these are unavailable, letters may be sought from current colleagues, or a current or recent supervisor.

3. Personal essay of not more than 750 words that describes your preparation for study in the program and personal objectives for graduate study.

4. Digital and/or hard copy portfolio of select samples of work, including a writing sample, that demonstrates initiative and achievement in academic, professional, and/or community settings. (Applicants who have earned an undergraduate degree the previous year must submit scores from the GRE.)

5. Résumé.

M.A. in Communication with a Concentration in Strategic Public Relations and Social Media (Thesis Track)

Code	Title	Credits
Requirements (30 credits)		
CO-501	Communication Theories for Professional Life	3
CO-502	Research Methods for Professional Life	3
CO-503	Graduate Foundations in Communication	3
CO-504	Principles of Public Relations	3
CO-511	Strategic Digital Communication	3
CO-526	Advanced Public Relations Planning	3
Capstone: Select Thesis or Project:		
CO-691	Communication Thesis Proposal	3
or CO-693	Communication Project Proposal	
CO-692	Communication Thesis	3
or CO-694	Communication Project	
Electives:		
Select 6 credits of Communication (CO): [1]		6
CO-507	Organizational Communication	
CO-508	Presentational Communication: Design and Delivery	
CO-509	Communication, Culture, and Community	
CO-510	Global Communication and Public Relations	
CO-516	Public Relations and Fundraising for Nonprofits	
CO-520	Communication Ethics	
CO-524	Public Opinion and Media	
CO-527	Crisis and Issues Management	
CO-532	Global Media and New Technologies	
CO-561	Message Construction: Audio, Video and Web	
CO-565	Special Event Planning and Promotion	
CO-595	Graduate Internship in Communication	
Communication 500-Level Independent Study		
Total Credits		30

[1]   *An elective taken outside of Communication may be substituted.*

Admission Requirements

1. Possession of a baccalaureate degree with a 2.75 overall GPA and a 3.0 GPA in the undergraduate major.

2. Two letters of recommendation. Letters from current or former professor recommended. If these are unavailable, letters may be sought from current colleagues, or a current or recent supervisor.
3. Personal essay of not more than 750 words that describes your preparation for study in the program and personal objectives for graduate study.
4. Digital and/or hard copy portfolio of select samples of work, including a writing sample, that demonstrates initiative and achievement in academic, professional, and/or community settings. (Applicants who have earned an undergraduate degree the previous year must submit scores from the GRE.)
5. Résumé.

Criminal Justice

Chair: Nicholas Sewitch, Department of Criminal Justice

Master of Arts in Criminal Justice (M.A.)

The Master of Arts in Criminal Justice at Monmouth University offers a broad perspective on the criminal justice system, its various institutions and processes. Students will develop the quantitative, critical, and research skills necessary for problem solving and policy-making. The program includes a set of courses that will focus on research procedures, the use of psychosocial variables, systems thinking, and the development of policy. In addition, there are courses in law, policy, and criminal justice management.

Homeland Security Track
Intelligence Analyst Track
Leadership Track

Within our M.A. in Criminal Justice, we offer three optional specialized tracks. Our **Homeland Security track** exposes students to core homeland security competencies in areas of intelligence analysis, strategic planning and collaborative partnerships with other entities necessary for comprehensive anti-terror strategies. You may also pursue the **Intelligence Analyst Track** that prepares students for positions that will allow them to research and provide their expertise in a more analytical way. The **track in Leadership** prepares you for executive roles within the field of criminal justice by focusing on the management of day-to-day operations within law enforcement and public agencies.

Programs
Masters

- M.A. in Criminal Justice (p. 77)
- M.A. in Criminal Justice - Homeland Security Track (p. 77)
- M.A. in Criminal Justice - Intelligence Analyst Track (http://catalog.monmouth.edu/graduate-catalog/wayne-d-mcmurray-humanities-social-science/criminal-justice/criminal-justice-ma-intelligence-analyst-track/)
- M.A. in Criminal Justice - Leadership Track (p. 77)

Faculty

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.

jcomiske@monmouth.edu

Shannon Cunningham, Assistant Professor (Graduate Faculty). B.A., M.S., Illinois State University; Ph.D., Texas State University. Research interests are prosecutorial misconduct, criminal investigation failures, sentencing reform, criminal justice and media. shcunnin@monmouth.edu

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, Associate 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. blockwoo@monmouth.edu

Marie Mele Thomas, Assistant Professor (Graduate Faculty). B.S., College of New Jersey; M.S., American University; Ph.D., Rutgers University. Teaching interests include women and crime, victimology, research methodology, and social statistics. Current research focusing on intimate partner violence and domestic homicide. mmele@monmouth.edu

Laura J. Moriarty, Professor (Graduate Faculty). B.A., M.A., Louisiana State University; Ph.D., Sam Houston State University. A respected academic leader in the field of criminal justice with a focus on victim's issues, Moriarty is the author/co-author, editor/co-editor of eight scholarly books and numerous refereed academic journal articles. She is the past president of the Academy of Criminal Justice Sciences (ACJS), and a 2013 recipient of the ACJS Founders Award for outstanding contributions to criminal justice education. lmoriart@monmouth.edu

Courses

CJ-CPE Comprehensive Exam   **Credits: None**
Term Offered: All Terms
Course Type(s): None
Criminal Justice Comprehensive Exam. This is a pass/fail course.

CJ-500 Theories and Methods of Geographic Information Systems
                                                         Credits: 3

Term Offered: Fall Term
Course Type(s): None
This course provides students with a solid foundation in the theories and methods of Geographic Information Systems (GIS). Students gain knowledge of important applications, as well as acquisition, accuracy, formatting management, analysis, and manipulation of data. When students complete this course, they are expected to know what GIS is, what GIS can and cannot do, how data is stored, and how data in GIS is manipulated and analyzed to satisfy a project's goals.

CJ-502   Advanced Criminology   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Professionals interested in the criminal justice system require a foundation in the criminological theories that underlie criminal behavior and rehabilitation. Provides the student with an opportunity to study and critically evaluate prominent criminological theories presented in the readings and research. Lectures emphasize the role of psychological principles, theories of learning, techniques of counseling, and psychopathology in the context of criminological theory on rehabilitation programs and on policy development. Also serves as a context for other graduate courses that pertain to the prison system and institutional treatment of offenders.

CJ-510   The American Penal System   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Examines the history, philosophy, and organizational structure of correctional systems in the United States, analyzing the various models of incarceration as they relate to punishment and rehabilitation.

CJ-515   Institutional Treatment of the Offender   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Provides the theoretical framework for the understanding of criminal behavior and the strategies employed in providing treatment and support services to the inmate. Focuses on techniques designed to facilitate the development of alternative behaviors. Attention will be given to problems that are especially relevant to penal institutions, e.g. violence, racial discord, sexual assault, and theories of punishment.

CJ-525   Applied Data Analysis in Criminal Justice   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
The examination, interpretation, and application of social statistical concepts in criminal justice; computerized data analysis techniques.

CJ-530   Criminal Justice Policy   **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
The examination of opposing viewpoints on complex and sensitive issues in criminal justice. Emphasis on providing students with the ability to develop basic thinking skills and assisting students in evaluating sources of information.

CJ-535   Evaluation Strategies for Criminal Justice   **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Formulation of research problems and hypotheses; quantitative research designs; and data collection strategies; data analysis methods.

CJ-540   Spatial Analysis and Modeling in Geographic Information Systems   **Credits: 3**
Prerequisite(s): CJ-500
Term Offered: All Terms
Course Type(s): None
Focuses on methods of spatial analysis and various kinds of modeling within Geographic Information Systems (GIS). Included are such topics as: 3-D terrain visualization and analysis, location and network modeling, map algebra, and spatial statistics.

CJ-542   Computer Application in Criminal Justice   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Introduces computer basics, information system, and the Internet. Students will use several management-related applications, including spreadsheets, database, employee performance evaluations, and statistical analysis programs to develop an integrated database management system.

CJ-545   Seminar: Ethics, Law, and Society   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Probes ethical issues that arise throughout the criminal justice system. Students will examine the fundamental meaning of justice, explore approaches to moral reasoning, and investigate issues such as the use of discretion, capital punishment, prisoners' rights, and other ethics of criminal justice research.

CJ-550   Seminar: Police Administration   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Examines the tasks and roles of police administrators for effective and efficient police operations. Police organization, policies, and rules will be analyzed for their impact on the delivery of police services.

CJ-552   Computer Crime   **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
Understanding the nature of computer crime and the basic principles of technology in order to provide a foundation for criminal investigation.

CJ-555   Criminal Procedure and the Constitution   **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
A multidisciplinary examination of the major stages of the criminal process from arrest to trial. The course explores the effectiveness of criminal procedure, the Constitution, and the law in relationship to crime.

CJ-560   Seminar: Leadership and Management   **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Examines the role of leader or visionary in analyzing and improving organizational operations in the criminal justice system. Emphasis is on the ability to assess and solve the complex problems facing criminal justice in the twenty-first century.

CJ-562   Graduate Criminal Justice Internship   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Provides the student an opportunity to integrate academic theory with experiential learning. Each student will have an opportunity to focus on areas specific to his/her career objectives. Intern students will evaluate principles of the criminal justice system through on-site participation at an approved criminal justice agency. Executive writing opportunities will be an integral component of this course.

CJ-565   Comparative Criminal Justice Systems   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Compares and contrasts the main similarities and differences among the major criminal justice systems in the world, including the civil law, common law, socialist law, and Islamic law families.

CJ-572   Civil Rights and Liberties   Credits: 3
Term Offered: Spring Term
Course Type(s): None
An examination of the Bill of Rights in contemporary America. The seminar analyzes the conflicting group interests, which advise around issues such as freedom of speech and assembly, church-state relations, and equal treatment before the law for members of minority groups.

CJ-575   Professionalism in Criminal Justice   Credits: 3
Term Offered: All Terms
Course Type(s): None
An examination of major changes in politics, professionalism, and public order in society. Emphasis is on policing, criminal justice education, corrections, and jail management issues and examining the progress of, and obstacles to, improving training and split-second decision making.

CJ-595   Geographic Information Systems, Crime Mapping, and Analysis
                                                               Credits: 3
Prerequisite(s): CJ-500
Term Offered: Spring Term
Course Type(s): None
Incorporates Geographic Information Systems (GIS) into criminal justice by including the use of crime mapping and analysis in problem solving. Takes a hands-on approach to many of the issues a criminal justice manager, officer, or crime analyst will face in pursuit of his/her work. Facilitates students' understanding of GIS and crime mapping theories, principles, concepts, and the software. Upon completion of the course, students will have developed two projects as part of their portfolio: one in crime mapping implementation and one in project design and analysis within their particular topic of study.

CJ-598   Special Topics in Criminal Justice   Credits: 1-3
Term Offered: Spring Term
Course Type(s): None
Subject matter varies with the interest of the students and the professor. The exact nature of the topic covered in any given semester is indicated in the student's transcript. Permission of the program director is required. If a prerequisite is required it will be announced in the course schedule.

CJ-599   Independent Study in Criminal Justice   Credits: 3
Term Offered: All Terms
Course Type(s): None
Development and execution of a relevant reading and research project leading to significant written work designed by the student in consultation with the professor. The subject chosen for study should be related with any area of Criminal Justice of special interest for the student. Students applying for this course must demonstrate their knowledge of research techniques and their abilities to apply them to the specific area of studies chosen. It is also required that the student should be able to present the results of his/her research in appropriate written and oral form. Prior permission of the directing instructor and department chair is required to take this course.

CJ-615   Terrorism: Crisis and Trauma   Credits: 3
Term Offered: All Terms
Course Type(s): None
Explore the psychological impact of terrorism, including psychiatric disorders, physiological changes, and social/family disruption. Strategies and techniques for identifying trauma and skill for intervention will be discussed.

CJ-621   Fundamentals of Intelligence Analysis   Credits: 3
Term Offered: All Terms
Course Type(s): HY
This course ranges in complexity by first providing students with an understanding of the history of intelligence in the criminal justice and security fields before moving toward familiarizing students with the various types of analyses that intelligence analysts engage in. Students will be able to understand the fundamentals of intelligence analysis and be appropriately educated in accordance with the International Association of Law Enforcement Intelligence Analysts (IALEIA) criteria and the 2012 Law Enforcement Analytic Standards promulgated by Global and IALEIA. This course will develop the student abilities to better understand the role of intelligence in public safety and develop analytic products that interpret the operating environment and make recommendations to improve overall public safety within government and private sectors throughout the United States and abroad.

CJ-622   Advanced Issues in Intelligence   Credits: 3
Prerequisite(s): CJ-621
Term Offered: All Terms
Course Type(s): HY
This course provides students studying the intelligence field a deeper knowledge of the issues that may be facing the intelligence community. This course ranges in complexity from orientation-type instruction on successes and failures in intelligence through history to various types of analysis on concepts like intelligence - led policing, how to share information, how to maintain appropriate and successful partnerships across agencies, how individuals are radicalized and recruited into gangs or groups, transnational issues, how to "follow money" or conduct financial analysis, how the enemy uses denial and deception techniques to gain an upper hand, how to appropriately craft a wide array of intelligence products and properly security them, as well as exposure to prediction methods and open source analysis. This course will teach and guide students on how to make recommendations to senior leaders relating to analytical findings.

CJ-625   Terroristic Crime Scene Investigation   Credits: 3
Term Offered: Fall Term
Course Type(s): None
Utilizing modern investigative technology in terroristic crime scenes; specialized evidence collection; role of crime scene manager.

CJ-635   Weapons of Mass Destruction   Credits: 3
Term Offered: All Terms
Course Type(s): None
Focus on the practical and theoretical aspects of preparing for, and dealing with, incidents involving weapons of mass destruction. Discussion on the various devices and the means of delivering damage. Analysis of the intelligence approaches to reduce such an event.

CJ-636   Structured Analytic Techniques   **Credits: 3**
Prerequisite(s): CJ-621 and CJ-622
Term Offered: All Terms
Course Type(s): HY
This course will provide students who are interested in studying the intelligence field and who already have an understanding of the fundamentals and competencies of intelligence analysts with the knowledge and skills to incorporate Structured Analytic Skills into their daily analysis to support their methodologies and assessments. This course will also describe the different types of flaws and biases in thinking, as well as the different types of problems, how to solve them, and the amount of facts or judgments that are required. This course ranges in complexity from orientation-type instruction on the ways that biases and fallacies can impact analysis to an understanding of the many different techniques that can be applied to problems that intelligence analysts must address in their work. Prerequisites for this course include both CJ-621 and CJ-622 to ensure that students clearly understand the need for intelligence, how to gathering and analyze intelligence, and that they are familiar with the methods by which intelligence information is disseminated via briefings and reports.

CJ-650   Cyberterrorism   **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Explores how new technology throughout the world has contributed to terroristic crimes and how information and communication technology (ICT) has become a tool, a target, and a place of criminal activity threatening national security. Topics of study include: the information environment as crime scene, computer use in crimes, political terrorism, hacking, unauthorized access, and identity theft.

CJ-662   Psychopathology of Crime and Terrorism   **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
Discusses the psychology of criminal behavior and the development of the terrorist. Provides students with an in-depth examination of the psychological consequences of terrorism on a community and the impact of criminal behavior on a victim. Students will be exposed to the neurobiology of fear including predicators of maladaptive/pathological response, and the biological correlates of criminal behavior. Also listed as HLS-662.

CJ-691   Criminal Justice Thesis I   **Credits: 3**
Prerequisite(s): CJ-502, CJ-525, CJ-530, and CJ-542
Co-requisite(s): CJ-535
Term Offered: All Terms
Course Type(s): None
Independent investigation of special topics reflecting the research interests of the sponsoring professor.

CJ-692   Criminal Justice Thesis II   **Credits: 3**
Prerequisite(s): CJ-691
Term Offered: Spring Term
Course Type(s): None
Independent investigation of special topics reflecting the research interests of the sponsoring professor.

CJ-695   Knowledge into Practice: Criminal Justice Capstone Course
                                                               Credits: 3
Prerequisite(s): CJ-525 and CJ-535
Term Offered: All Terms
Course Type(s): None
This course represents a synthesis and evaluation of Monmouth University's Masters in Criminal Justice Goals and Objectives, which require students to: (1) engage in critical analysis and evaluation in the field, (2) become knowledgeable consumers of research; (3) learn the importance of technology in the field; (4) will develop the communication skills necessary to excel in the field; and (5) actively contribute to the field. To do so, student will prepare an evidence-based research paper that applies the core curriculum functions and competencies to a related criminal justice issue. Additionally, this course substantively addresses the six content areas required for certification by the Academy of Criminal Justice Sciences (ACJS,2016), which include: administration of justice, corrections, criminological theory, law adjudication, law enforcement, and research and analytic methods.

CJ-699   Independent Study in Criminal Justice   **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
Development and execution of a relevant reading and research project leading to significant written work designed by the student in consultation with the professor. The subject chosen for study should be related with any area of Criminal Justice of special interest for the student. Students applying for this course must demonstrate their knowledge of research techniques and their abilities to apply them to the specific area of studies chosen. It is also required that the student should be able to present the results of his/her research in appropriate written and oral form. Prior permission of the directing professor and department chair is required to take this course.

HLS-CPE   Homeland Security Comprehensive Examination Credits: None
Prerequisite(s): 33 credits in Homeland Security
Term Offered: All Terms
Course Type(s): None
The Homeland Security Comprehensive Examination is a zero-credit course that will allow students who have completed thirty-three credits of graduate course work in homeland security to take a comprehensive examination and complete their degree. This is a pass/fail course.

HLS-602   Theoretical Approaches to Homeland Security   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Examines the various theories and frameworks associated with homeland security. The theories and frameworks 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-610   Foundations of Homeland Security   **Credits: 3**
Term Offered: All Terms
Course Type(s): OL
Overview of homeland security basic management concepts, issues contributing to terroristic acts, and critical analysis of terrorist activities.

HLS-620   Terrorism: Causes and Consequences: The Unconventional Threat   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Provides students with an in-depth examination of the unconventional threat of terrorism and its impact on the Homeland Security enterprise by exploring the overall phenomenon of terrorism as well as the complex motivations, ideologies, goals, and tactics of various domestic and international groups. Cultural, religious, and economic influences on terrorism, and media impact, will be considered. Students will analyze these groups in light of historical, contemporary, and potential future acts of terrorism in order to understand the causes, consequences, and impact terrorism has on our society. Balances out topical issues related to state terrorism, political terrorism, religious and apocalyptic violence, the media and terrorism, weapons of mass destruction, terrorist tactics and targeting, and the operational and organizational dynamics of terrorism.

HLS-630   Homeland Security Intelligence   **Credits: 3**
Term Offered: All Terms
Course Type(s): OL
Acquaints students with the concepts and practices involved in the process of collecting, analyzing and evaluating intelligence and in managing the intelligence function, as well as the influence of intelligence in shaping homeland security decision making at the federal, state and local levels. It examines the structures, roles, and interactions of the foreign and domestic intelligence communities, the intelligence gathering and analysis of capabilities of criminal justice and private sector entities, and the use of intelligence processes to support homeland security investigations, planning, and intelligence applications to support strategic decision making.

HLS-640   Interdisciplinary Approach to Homeland Security   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Acquaints students with the concepts and practices among the various disciplines within the homeland security domain that provide the architecture for the nation's preparedness strategy. Provides an understanding of how the law, constitution and interaction between the various disciplines of homeland security and defense, in theory and practice affect the development and execution of homeland security operations, strategies, and policies in general. Explores the collaborative efforts of multiple disciplines drawn from all levels of the public and private sectors, how they integrate with one another, and how they collectively factor into the prevention of, response to, and recovery from major events. Conversely, it will enhance the students understanding of the various disciplines associated with homeland security including law enforcement, fire services, emergency management, infrastructure custodians, the military, public health, and government administrators.

HLS-650   Cyber Security   **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Examines current and emerging cyber threats and vulnerabilities. Focuses on policies and practices that govern cyberspace. Information systems technologies impact every aspect of twenty-first-century society and governance. At the same time, cyber capabilities hazard personal liberties, privacy, and homeland security. Students will explore emerging technologies that can facilitate and strengthen capability-specific national priorities to secure our cyberspaces and the homeland.

HLS-662   Psychopathology of Crime and Terrorism   **Credits: 3**
Term Offered: Fall Term
Course Type(s): OL
Discusses the psychology of criminal behavior and the development of the terrorist. Provides students with an in-depth examination of the psychological consequences of terrorism on a community and the impact of criminal behavior on a victim. Students will be exposed to the neurobiology of fear including predicators of maladaptive/pathological response, and the biological correlates of criminal behavior. Also listed as CJ-662.

HLS-665   Emergency Management for Homeland Security   **Credits: 3**
Term Offered: Spring Term
Course Type(s): OL
Examines the core principles of emergency management: prevention, mitigation, communication, response, and recovery. Focuses on the Federal Emergency Management Agency's 2011 Whole of Community approach to emergency management. Will assess emergency management's civil defense legacy to the current all-hazards role applied at the federal, state, and local levels. Students will examine the role of emergency managers in the homeland security framework through case studies. Incorporates real-world catastrophes that may occur immediately prior to/during the course semester.

HLS-670   Constitutional Issues in Homeland Security   **Credits: 3**
Prerequisite(s): HLS-610, HLS-620, HLS-630, and HLS-640
Term Offered: All Terms
Course Type(s): OL
Provides students with an in-depth examination of the U.S. Constitution and statutory authorities in the Homeland Security Era. Students will analyze the manner in which the U.S. Government balances public security and individual rights during homeland security crises. Balances out topical issues related to national security threats and Constitutional and statutory authorities that impact fundamental freedoms in the Homeland Security Era.

HLS-675   Technology for Homeland Security   **Credits: 3**
Prerequisite(s): HLS-610, HLS-620, HLS-630, and HLS-640
Term Offered: All Terms
Course Type(s): OL
Provides students with an overview of myriad technologies that have helped to shape the homeland security enterprise. Students will examine critical infrastructure and key resources threats and vulnerabilities that characterize the homeland security operational environment. Students will explore how past, present, and emerging technologies have been used and how they might be used in the future. Balances out topical issues related to risk, perception of risk, technological capabilities, security, cyber-attacks, health issues, and legal issues that impact homeland security. Students will explore elements of cyberterrorism and emerging technologies that can facilitate and strengthen capability-specific national priorities in order to improve national preparedness.

HLS-680   Comparative Government for Homeland Security   **Credits: 3**
Prerequisite(s): HLS-610, HLS-620, HLS-630, and HLS-640
Term Offered: All Terms
Course Type(s): OL
Provides students with an in-depth examination of other countries' homeland security governance and policies with a focus on counterterrorism laws, security, law enforcement, emergency response, and public health. Students will analyze other countries' traditions, political and bureaucratic institutions, and policies that might inform the U.S. homeland security enterprise. Designed to provide students with homeland security-related lessons learned and smart practices employed by other countries that, if adapted, scaled, and measured to the vision, mission, and purpose of a U.S. jurisdiction/organization, might make safe and secure the nation.

HLS-685   Strategic Plan for Homeland Security   **Credits: 3**
Prerequisite(s): HLS-610, HLS-620, HLS-630, and HLS-640
Term Offered: Fall Term
Course Type(s): OL
Provides students with an in-depth examination of strategic planning, especially as it relates to the homeland security enterprise. Students will explore how organizations identify, plan, and implement their strategy objectives. Students will analyze past, current, and future homeland security strategy objectives and identify both lessons learned and not learned. Students will develop a comprehensive strategic homeland security strategy to make safe and secure the nation.

HLS-690   Policy Analysis and Research Methods in Homeland Security
Credits: 3
Term Offered: All Terms
Course Type(s): OL
Requires students to construct an original research proposal that critically analyzes one aspect of the homeland security field within the United States of America. To do so, the course begins with a review of the tenets of sound research in the social sciences and proceeds with the development of a research proposal that includes the formulation of a research question and subsequent hypothesis, a review of the pertinent literature, and the development of a detailed methodology with which to conduct the research. Additional attention is devoted to the practical, ethical, and political issues that arise when conducting research and evaluation within the agencies, organizations, practices, and policies that fall under the auspices of the Department of Homeland Security.

HLS-695   Knowledge into Practice: Homeland Security Capstone Course
Credits: 3
Prerequisite(s): HLS-690
Term Offered: All Terms
Course Type(s): OL
Provides students with a synthesis and an evaluation of Monmouth University's Masters in Homeland Security core curriculum functions and competencies: (1) Political, legal, and managerial context of homeland security, (2) Technology and its applications in homeland security, (3) Research, program evaluation, and needs assessment and their application to homeland security, and (4) Current and emerging homeland security threats. Students prepare an evidence-based research paper that applies the core curriculum functions and competencies to a related homeland security issue.

HLS-699   Independent Study in Homeland Security   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Provides students the opportunity to focus on a specific area of interest within homeland security. Research, reading and faculty-student communications will result in a significant written project. The supervising faculty member will meet weekly with the student to monitor progress and provide feedback. Prior permission of the selected faculty member, program director, and chair is required to take this course.

M.A. in Criminal Justice

Code	Title	Credits
Requirements (30 credits)		
CJ-502	Advanced Criminology	3
CJ-525	Applied Data Analysis in Criminal Justice	3
CJ-530	Criminal Justice Policy	3
CJ-545	Seminar: Ethics, Law, and Society	3
CJ-572	Civil Rights and Liberties	3
CJ-695	Knowledge into Practice: Criminal Justice Capstone Course	3
Select 12 credits from the following courses:		12
CJ-535	Evaluation Strategies for Criminal Justice	
CJ-542	Computer Application in Criminal Justice	
CJ-550	Seminar: Police Administration	
CJ-555	Criminal Procedure and the Constitution	
CJ-560	Seminar: Leadership and Management	
CJ-562	Graduate Criminal Justice Internship	
CJ-565	Comparative Criminal Justice Systems	
CJ-575	Professionalism in Criminal Justice	
CJ-615	Terrorism: Crisis and Trauma	
CJ-625	Terroristic Crime Scene Investigation	
CJ-635	Weapons of Mass Destruction	
CJ-650	Cyberterrorism	
HLS-610	Foundations of Homeland Security	
Total Credits		30

Admission Requirements

1. Possession of a baccalaureate degree with a minimum 2.75 overall GPA and a 3.0 in the undergraduate major.
2. Two letters of recommendation.
3. Personal essay of 250 to 300 words that describes your preparation for study in the program and personal objectives for graduate study in criminal justice.

M.A. in Criminal Justice - Homeland Security Track

Code	Title	Credits
Requirements (30 credits)		
HLS-602	Theoretical Approaches to Homeland Security	3
CJ-525	Applied Data Analysis in Criminal Justice	3
CJ-535	Evaluation Strategies for Criminal Justice	3
CJ-545	Seminar: Ethics, Law, and Society	3
CJ-572	Civil Rights and Liberties	3
HLS-620	Terrorism: Causes and Consequences: The Unconventional Threat	3
HLS-630	Homeland Security Intelligence	3
HLS-640	Interdisciplinary Approach to Homeland Security	3
HLS-650	Cyber Security	3
CJ-695	Knowledge into Practice: Criminal Justice Capstone Course	3
Total Credits		30

Admission Requirements

1. Possession of a baccalaureate degree with a minimum 2.75 overall GPA and a 3.0 in the undergraduate major.
2. Two letters of recommendation.
3. Personal essay of 250 to 300 words that describes your preparation for study in the program and personal objectives for graduate study in criminal justice.

M.A. in Criminal Justice - Leadership Track

Code	Title	Credits
Requirements (30 credits)		
CJ-502	Advanced Criminology	3
CJ-525	Applied Data Analysis in Criminal Justice	3
CJ-530	Criminal Justice Policy	3
CJ-545	Seminar: Ethics, Law, and Society	3
CJ-560	Seminar: Leadership and Management	3
CJ-572	Civil Rights and Liberties	3
CJ-575	Professionalism in Criminal Justice	3
CJ-650	Cyberterrorism	3
CJ-695	Knowledge into Practice: Criminal Justice Capstone Course	3
Select 3 credits in Criminal Justice (CJ) or Homeland Security (HLS) at the 500+ level.		3
Total Credits		30

Admission Requirements

1. Possession of a baccalaureate degree with a minimum 2.75 overall GPA and a 3.0 in the undergraduate major.
2. Two letters of recommendation.
3. Personal essay of 250 to 300 words that describes your preparation for study in the program and personal objectives for graduate study in criminal justice.

English

Chair: Susan Goulding, Department of English
Director of First Year Composition: John P. Hanly
Undergraduate Program Coordinator: Elizabeth Gilmartin-Keating
Graduate Program Directors: Mary Kate Azcuy and Alex Gilvarry (M.F.A. in Creative Writing)

Master of Arts in English (M.A.) Creative Writing

The Master of Arts in English is a flexible program that allows various types of students to pursue a course of study meeting their own interests and goals. For those interested in the challenge of graduate study and considering going on to an MFA or PhD program at another institution, the courses at Monmouth provide a broad education in English literature, creative writing, and rhetoric, and a sound foundation for further graduate

study. Secondary school teachers can fulfill their continuing education requirement and accrue credits toward salary increases by taking courses in the program. Those interested in personal enrichment or career advancement will find that the program requirements improve creative and critical thinking abilities along with reading, speaking, and writing skills. The curriculum, appropriate for recent college graduates as well as returning students, is designed to allow students to finish the degree in two to two-and-a-half years by taking two to three courses per semester, with the additional option of summer study. Part-time students are also welcome to attend. Course offerings allow students to take courses in a variety of fields to obtain a broad knowledge of literature in English or to focus on areas of specific interest.

Master of Fine Arts (M.F.A.)

Every writer has a story to tell—at Monmouth, we give you the tools to bring it to life. With our full-residency 48-credit M.A./M.F.A. dual degree program in Creative Writing, you will prepare for your dream career in the literary world by training directly with published, award-winning faculty. Through flexible course offerings, you can choose to study fiction, nonfiction, and poetry as desired, and may also pursue interests in crime novels, thrillers, romance, fantasy, and more.

Our intensive and pragmatic program gives you an advantage over your peers by focusing on developing your craft, your network, and your resume. After completing their M.A. in English with a Creative Writing concentration, Monmouth's M.F.A. students will immerse themselves in an additional 18 credits of intensive creative writing study that includes the completion of a book-length Creative Thesis. Students will also benefit from personalized learning, advanced craft seminars, networking opportunities, and rigorous career preparation, including an internship program and the opportunity to gain teaching experience by working as an adjunct professor during the program.

You are eligible to participate in the M.F.A. program if you have obtained a Master of Arts (M.A.) in English from Monmouth University and demonstrate a proficiency for creative writing through a thesis or equivalent work.

Graduate Creative Writing Certificate

This is an 18-credit graduate certificate is designed to provide alumni and other English, non-creative writing students with a way to transition to the M.F.A. in Creating Writing program.

Programs
Master or Arts

- M.A. in English: Literature Concentration (p. 83)
- M.A. in English: Creative Writing Concentration (p. 83)
- M.A. in English: Rhetoric and Writing Concentration (p. 84)

Master of Fine Arts

- M.F.A. in Creative Writing (p. 85)

Creative Writing Graduate Certificate

- Graduate Creative Writing Certificate (http://catalog.monmouth.edu/graduate-catalog/wayne-d-mcmurray-humanities-social-science/english/creative-writing-certificate/)

Faculty

Mary Kate Azcuy, Associate Professor and Graduate Program Director (Graduate Faculty). B.S., Monmouth University; M.A., New York University; Ph.D., Drew University. Specialty is contemporary American literature with an emphasis on women poets, mythology, and feminism, as well as creative writing.
mazcuy@monmouth.edu

Kristin Bluemel, Professor and Wayne D. McMurray-Helen Bennett Endowed Chair in the Humanities (Graduate Faculty). 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.
kbluemel@monmouth.edu

Heide Estes, Professor (Graduate Faculty). B.A., University of Pennsylvania; Ph.D., New York University. Specialty is Old English language and literature, and additional interests include Middle English literature, feminist theory, and representations of Jews in early English texts. Current research is in ecocriticism.
hestes@monmouth.edu

Alex Gilvarry, Assistant Professor and M.F.A. Program Director (Graduate Faculty). B.A., M.F.A., Hunter College. Specialty is creative writing, fiction.
agilvarr@monmouth.edu

Susan M Goulding, Associate Professor and Chair (Graduate Faculty). B.A., M.A., Adelphi University; Ph.D., New York University. Specialties are eighteenth-century British literature, women's studies, British history, and reception history.
goulding@monmouth.edu

Alena Graedon, Assistant Professor (Graduate Faculty). M.F.A., Columbia School of the Arts. Specialty is creative writing, fiction, with an emphasis on speculative fiction.
agraedon@monmouth.edu

John P. Hanly, Associate Professor (Graduate Faculty). B.A., Georgetown College; M.A., University of Chicago; Ph.D., University of Louisville. Areas of specialty include composition theory and ethics.
jphanly@monmouth.edu

Jeffrey Jackson, Associate Professor (Graduate Faculty). B.A., Linfield College; M.A., Portland State University.Ph.D., Rice University. Areas of specialty include nineteenth-century British Romantic and Victorian literature.
jejackso@monmouth.edu

Patrick Love, Assistant Professor (Graduate Faculty). B.A., Western Michigan University; M.A., Ph.D., Purdue University. University; M.A., Ph.D., Purdue University. Research interests include Rhetoric and Composition, Professional and Technical Writing, Digital Rhetoric and Game Studies, Writing Program Administration and Writing Across the Curriculum.
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Courses

EN-ESS   English Master's Essay   Credits: None
Term Offered: All Terms
Course Type(s): None
A revision and development of a graduate paper researched and written in a previous semester. Typical length 20-25 pages. Only for students in the Literature or Rhetoric and Writing Concentrations who are not writing a thesis. This is a pass/fail course.

EN-500   Critical Theory   Credits: 3
Term Offered: All Terms
Course Type(s): EN.4, EN.RW
Introduction to a variety of critical approaches to literature. Theories will be applied to texts: poetry, fiction, and drama, and the interpretation developed from these theories will be considered.

EN-502   Seminar in Literary Research   Credits: 3
Term Offered: All Terms
Course Type(s): None
Methods and materials for composing and presenting graduate research centered upon selected texts chosen by the instructor; bibliography, reference resources, critical analysis, and evaluation of sources; techniques, forms and formats for research projects and papers.

EN-509   Middle English Literature   Credits: 3
Term Offered: Fall Term
Course Type(s): EN.1, EN.LT
Study of selected works from the twelfth through the fifteenth centuries in the context of contemporary cultural and literary developments.

EN-511   The English Renaissance   Credits: 3
Term Offered: Fall Term
Course Type(s): EN.1, EN.LT
Intensive study of the major genres and authors of English literature from 1550-1660, the age of Spenser, Johnson and Milton. Lyric and epic poetry, drama, prose fiction, and the essay are represented.

EN-513   Shakespeare, His Contemporaries and Renaissance Society
Credits: 3
Term Offered: All Terms
Course Type(s): EN.1, EN.LT
Study of selected Shakespeare plays along with works by Marlowe, Webster and others in order to place Shakespeare's achievement within aesthetic, critical and historical contexts.

EN-525   Eighteenth Century British Literature   Credits: 3
Term Offered: All Terms
Course Type(s): EN.1, EN.LT
Intensive study of selected works of prose, poetry, and drama, which represent the Ages of Dryden, Pope, Johnson, and Hume.

EN-528   Foundations of World Literature   Credits: 3
Term Offered: Spring Term
Course Type(s): EN.3, EN.LT
The oral and written traditions of the foundation of the non-Western world: Africa, the African Diaspora, Asia and the Middle East.

EN-530   Contemporary World Literature   Credits: 3
Term Offered: Spring Term
Course Type(s): EN.3, EN.LT
Major literary texts from three broad areas of the non-Western world (African Diaspora, Asia, and the Middle East) will be critically examined, including literary trends, theories, and criticism. Selections will be drawn from poetry, fiction, non-fiction, and drama.

EN-533   Literature of Immigration   Credits: 3
Term Offered: Spring Term
Course Type(s): EN.3, EN.LT
Examines literature written by the first or second generation immigrants, about the experiences of emigration and immigration to North America; it combines close analysis with historical contextualization, and includes discussion of critical and theoretical works on immigrant identities and subjectivities. Focuses on narratives of immigration from areas outside Western Europe.

EN-535   The Novel in English   Credits: 3
Term Offered: Fall Term
Course Type(s): EN.2, EN.LT
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-537   British Romanticism   Credits: 3
Term Offered: All Terms
Course Type(s): EN.2, EN.LT
Investigation of British Romanticism as a self-consciously defined movement in literature. Will also consider how "Romanticisms" have been read and defined historically.

EN-538   Victorian Novel   Credits: 3
Term Offered: Fall Term
Course Type(s): EN.2, EN.LT
Through a close thematic and formal analysis, this course will study how British Victorian novels responded to the momentous social, political and intellectual changes of their time.

EN-540   Modernism in Britain and Ireland   Credits: 3
Term Offered: All Terms
Course Type(s): EN.2, EN.LT
Study of British and Irish modernism in the context of twentieth-century culture and history.

EN-541   Utopias   Credits: 3
Term Offered: Spring Term
Course Type(s): EN.LT
The significance of utopian proposals and attempts to create utopian communities in the history of ideas. From the utopias of Plato and More to dystopian visions of the Brave New World to 1984 and science fiction as a utopian genre.

EN-542   Contemporary American/British Literature   Credits: 3
Term Offered: Fall Term
Course Type(s): EN.2, EN.LT
This course will explore American and/or British literature written in English from the "contemporary" period. These works will be critically examined via close readings and discussions within a literary, historical, cultural, and/or theoretical framework.

EN-544   Irish Literary Studies   Credits: 3
Term Offered: All Terms
Course Type(s): EN.2, EN.LT
Ireland's literary tradition in English from the eighteenth-century to today. Different semesters may focus on a particular period, genre or theme within Irish literature, such as Irish drama, the eighteenth century tradition, W.B. Yeats and his circle or James Joyce and Irish Modernism.

EN-546   Historical Persuasion and Argumentation   Credits: 3
Term Offered: Fall Term
Course Type(s): EN.4, EN.RW
Examines important texts in the history of persuasion and argumentation. Covers the era when Rhetoric - the study and practice of persuasion and argumentation - was one of the fundamental disciplines (the "Trivium") that every educated person had to learn.

EN-547   Definitions of Contemporary Rhetoric   Credits: 3
Term Offered: All Terms
Course Type(s): EN.4, EN.RW
Examines the use of language in a number of key spheres of human communication with the ultimate objective of constructing a usable definition of modern rhetoric. Work in the course is especially concerned with defining more precisely the boundaries of contemporary rhetoric and language theories to gain a deeper understanding of the richness and dangers of language in our own written expression.

EN-548   Rhetoric of Science and Society   Credits: 3
Term Offered: Fall Term
Course Type(s): EN.4, EN.RW
Examination of how language-using agents (corporate, governmental, educational, journalistic, and scientific) outside the activities of a professional scientific community (and sometimes within it) rely on the dominance and force of scientific language and its symbol systems to influence the society we live in.

EN-550   Feminist Theory and Criticism   Credits: 3
Term Offered: Fall Term
Course Type(s): EN.4, EN.RW
Examines the theories and strategies developed and used by feminist theorists and literary critics to explore a range of visual and written texts. Includes focus on gender-related experiences in literature and culture.

EN-558   Teaching Composition   Credits: 3
Term Offered: All Terms
Course Type(s): EN.RW, EN.4
The scholarship and methods of teaching composition with a focus on the collaboration experience of the writing process, one-on-one conferencing, and integration of language skills.

EN-560   Early American Literature   Credits: 3
Term Offered: All Terms
Course Type(s): EN.1, EN.LT
The development of American literature in various genres through the Colonial, Revolutionary War, and Early Republic periods.

EN-561   Nineteenth Century American Literature   Credits: 3
Term Offered: All Terms
Course Type(s): EN.2, EN.LT
Major works of American literature from 1830 to World War I will be critically examined to place them in their literary context and discover the techniques used by their authors.

EN-563   Linguistics and the English Language   Credits: 3
Term Offered: All Terms
Course Type(s): EN.4, EN.RW
Includes 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-565   New Jersey's Literary Heritage   Credits: 3
Term Offered: Spring Term
Course Type(s): EN.2, EN.LT
The development of New Jersey's literary heritage in various genres from the Colonial period to the present, through analyses of representative works from different regions of the state, with emphasis on their local significance and their relationship to national literary trends.

EN-571   Modern American Literature   Credits: 3
Term Offered: Spring Term
Course Type(s): EN.2, EN.LT
Major works of American literature written between 1910 and 1945 will be critically examined and placed within a literary context in order to discuss techniques used by their authors.

EN-581   Women in Literature   Credits: 3
Term Offered: Spring Term
Course Type(s): EN.LT
Investigates the role of women in literature as writers, readers and subjects. Includes theoretical consideration of gender. Topics vary by semester.

EN-598   Special Topics in English   Credits: 3
Term Offered: All Terms
Course Type(s): None
The subject matter varies with the interest of the students and of the professor teaching the course. The exact nature of the topic covered in any given semester is indicated in the student's transcript. If a prerequisite is required it will be announced in the course schedule.

EN-599   Independent Study in English   Credits: 3
Term Offered: All Terms
Course Type(s): None
Reading and research under the direction of a member of the English faculty. A minimum of six, face-to-face meetings are required; bi-weekly meetings are the norm. Prior permission of the directing professor and department chair is required to take this course.

EN-607   Seminar in Creative Writing: Non-Fiction   Credits: 3
Term Offered: Spring Term
Course Type(s): EN.CW, EN.RW
Students will analyze, in a workshop setting, readings in creative non-fiction to understand and become aware of the variant forms, techniques, and approaches used. As workshop participants, students will write and analyze their own creative nonfiction pieces. This course may be retaken for credit.

EN-609   Seminar in Creative Writing: Poetry   Credits: 3
Term Offered: All Terms
Course Type(s): EN.CW
Students analyze in a workshop setting readings in contemporary poetry to observe techniques in craft, and present their own poetry for intensive examination by workshop participants. The course may be retaken for credit.

EN-611   Seminar in Creative Writing: Fiction   Credits: 3
Term Offered: Fall Term
Course Type(s): EN.CW
Students will analyze in a workshop setting readings in both American and World fiction to observe techniques in craft and present their own short stories for intensive examination by workshop participants. This course may be retaken for credit.

EN-613   Seminar in Creative Writing: Playwriting   Credits: 3
Term Offered: All Terms
Course Type(s): EN.CW
In a workshop format, students will write, critique and perform stage readings of their classmates' plays. This course may be retaken for credit.

EN-615   Seminar in Creative Writing: Writer's Craft   Credits: 3
Term Offered: All Terms
Course Type(s): EN.CW
An in-depth study of the creative writing process. 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. This course may be retaken for credit.

EN-617   Advanced Academic Writing   Credits: 3
Term Offered: Summer Term
Course Type(s): EN.RW
Designed for the graduate student interested in sharpening his or her writing skills for the purpose of developing publication-quality articles. Content and assignments are structured in such a way as to provide practice in accelerated academic prose and, ideally, to produce a publication-quality article by the end of the course. Taught in a lecture/discussion and workshop format.

EN-619   Writing and the World Wide Web   Credits: 3
Term Offered: Fall Term
Course Type(s): EN.RW, EN.4
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, and wikis. Topics examined include authorship, narrative, and multimedia participation, design, and creation.

EN-644   Manuscript Seminar   Credits: 3-6
Prerequisite(s): Completion of 21 credits with a minimum G.P.A. of 3.00 and a minimum of 6 credits of courses with a course type of ENCW
Term Offered: All Terms
Course Type(s): None
Completion of a single-genre manuscript under the direction of a first reader who is a member of the English Graduate faculty, in consultation with a second reader, who is a full-time faculty member. A minimum of six face-to-face meetings are required; bi-weekly meetings are the norm. The manuscript will consist of at least forty pages of poetry or prose, or approximately eighty pages of drama, half of which may be work begun in previous graduate creative writing courses and substantially revised for this course. The manuscript will include a three to five-page Introduction. In addition, a twenty-item annotated bibliography of at least twenty pages must be submitted. Once the manuscript has been judged as satisfactory by both readers, the Graduate Program will schedule an oral defense to be attended by both readers as well as the Graduate Program Director. This is a pass/fail course.

EN-650   Internship Seminar   Credits: 3
Prerequisite(s): 12 credits from English MA or MFA, consent of the graduate advisor, and internship placement
Term Offered: All Terms
Course Type(s): None
A seminar designed for students who are pursuing professional experience through internships appropriate to those pursuing an advanced degree in creative writing.

EN-652   Craft Intensive Seminar in Creative Writing   Credits: 3
Term Offered: All Terms
Course Type(s): EN.CW
Intensive study of advanced creative writing craft techniques. Genre and seminar topics vary by professor. Repeatable once for credit.

EN-655A   MFA Creative Thesis Seminar   Credits: 3
Prerequisite(s): 39 credits in English
Term Offered: All Terms
Course Type(s): None
A two-semester capstone project for the MFA program under the guidance of two faculty readers, culminating in a substantial creative project of 100 pages or the equivalent of a book-length manuscript. The first reader must be an MFA faculty member, the second reader a member of the Creative Writing faculty.

EN-655B   MFA Creative Thesis Seminar II   Credits: 3
Prerequisite(s): EN-655A and 39 credits in English
Term Offered: All Terms
Course Type(s): None
Part II of a two-semester capstone project for the MFA program under the guidance of two faculty readers, culminating in a substantial creative project of 100 pages or the equivalent of a book-length manuscript. The first reader must be an MFA faculty member, the second reader a member of the Creative Writing faculty.

EN-674   Professional Research with Service Learning   Credits: 3
Term Offered: All Terms
Course Type(s): EN.CW, EN.LT, EN.RW
An independent study designed for students who want to explore and prepare for careers that are appropriate for holders of advanced degrees in English. It can fulfill a literature, rhetoric, or creative writing elective. Students will produce an annotated bibliography and researched writing totaling at least 25 pages, a service learning component that offers practice experience, and a curriculum vitae or resume, cover letter, and Linked In profile.

EN-691   English Thesis Development   **Credits: 3**
Prerequisite(s): 12 credits and a minimum G.P.A. of 3.00
Term Offered: All Terms
Course Type(s): None
An intensive and rigorous study of an author, topic, or theme developed under the direction of and evaluated by a thesis advisor who is a member of the English Graduate faculty in consultation with another full-time faculty member. A minimum of six face-to-face meetings are required; bi-weekly meetings are the norm. The thesis may be based upon a paper completed in a course taken in a previous semester and further developed under the direction of the professor in that course. By the end of the semester, students will submit a twenty-five item annotated bibliography and a ten-page review of recent scholarship. A student who wishes to complete Thesis Development in Summer must register in Session C, and then only with a Thesis Advisor in residence for the majority of the term and with permission of the Graduate Program Director.

EN-692   English Thesis Writing   **Credits: 3**
Prerequisite(s): EN-691, completion of 21 credits, and a minimum GPA of 3.00
Term Offered: All Terms
Course Type(s): None
Completion of the writing of the thesis under the continuing direction of a thesis advisor who is a member of the English Graduate faculty. A minimum of six face-to-face meetings are required; bi-weekly meetings are the norm. The thesis must comprise of between thirty and sixty pages (not including works cited) and will be evaluated by the thesis advisor in consultation with another full-time faculty member. Once the thesis has been judged as satisfactory by both readers, the Graduate Program will schedule an oral defense to be attended by both readers as well as the Graduate Program Director. Students may not register for Thesis Writing EN-692 in a summer session.

EN-699   Independent Study in English   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Reading and research under the direction of a member of the English faculty. A minimum of six, face-to-face meetings are required; bi-weekly meetings are the norm. Prior permission of the directing professor and department chair is required to take this course.

M.A. in English: Creative Writing Concentration

Code	Title	Credits
Requirements (3 credits)		
EN-502	Seminar in Literary Research	3
Literature Before 1800 (3 credits)		
Select one course designated with the Course Type: EN.1		3
Literature After 1800 (3 credits)		
Select one course designated with the Course Type: EN.2		3
Ethnic, Multicultural and World Literatures (3 credits)		
Select one course designated with the Course Type: EN.3		3
Creative Writing (18 credits)		
Select five courses in Creative Writing designated with Course Type: EN.CW (may be repeated for credit)		15
EN-644	Manuscript Seminar	3
Total Credits		30

Dr. Mary Kate Azcuy

Graduate Program Director: MA in English (literature, rhetoric & composition, creative writing)

Prof. Alex Gilvarry

Graduate Program Director: MFA in Creative Writing

Re: Graduate Studies Committee Meeting

15 September 2020

Summary: Change the creative writing sample page length (4-5 pages to 15-20 pages) for admission. Remove drama writing from all creative writing application descriptions.

Updated Language for MA with a concentration in creative writing:

A creative writing sample: 15 – 20 pages of poetry, fiction, or creative non-fiction.

Current Language for MA with a concentration in creative writing:

A brief creative writing sample: four to five pages of poetry, fiction, creative non-fiction, or drama writing.

Rationale: Cohesiveness between applications for MA and MA to MFA.

Current MA to MFA Language:

A creative writing sample: 15 – 20 pages of poetry, fiction, creative non-fiction, or drama writing.

Remove drama writing, as we do not offer this program or courses in this area.

The changes were approved by the creative writing faculty, GPD of the MA in English, GPD of the MFA in English, and the Chair of English.

Admission Requirements

1. Possession of a baccalaureate degree with a minimum 2.75 GPA, fifteen or more credits in literature or a related field, and at least one course in creative writing is strongly recommended.

2. An application essay of 1,000 words describing your interest in this program, what you hope to accomplish, and how you think the program will fit into your academic and career goals.

3. A brief creative writing sample: 15-20 pages of poetry, fiction, or creative non-fiction.

4. Two letters of recommendation. Letters from current or former professors recommended; if these are unavailable, letters may be sought from current colleagues, or a current or recent supervisor.

M.A. in English: Literature Concentration

Code	Title	Credits
Requirements (3 credits)		
EN-502	Seminar in Literary Research	3
Literature Before 1800 (3 credits)		
Select one course designated with the Course Type: EN.1		3
Literature After 1800 (3 credits)		
Select one course designated with the Course Type: EN.2		3
Ethnic, Multicultural and World Literatures (3 credits)		
Select one course designated with the Course Type: EN.3		3
Language and Theory (3 credits)		
Select one course designated with the Course Type: EN.4		3
Electives (9 credits)		
Select three additional English courses at the 500+ level, two of which must be designated with the Course Type: EN.LT		9
Thesis or Capstone (6 credits)		
EN-691	English Thesis Development	3
Or for Capstone, 500+ level English course with Course Type EN.LT		
EN-692	English Thesis Writing	3
Or for Capstone, 500+ level English course with course type EN.LT and:		
EN-ESS	English Master's Essay	0
Total Credits		30

Admission Requirements

1. Possession of a baccalaureate degree with a minimum 2.75 GPA; fifteen or more credits in literature or a related field strongly recommended.

2. An application essay of 1,000 words describing your interest in this program, what you hope to accomplish, and how you think the program will fit into your academic and career goals.

3. A writing sample in the form of a paper that best represents your academic work.

4. Two letters of recommendation. Letters from current or former professors recommended; if these are unavailable, letters may be sought from current colleagues, or a current or recent supervisor.

M.A. in English: Rhetoric and Writing Concentration

Code	Title	Credits
Requirements (3 credits)		
EN-502	Seminar in Literary Research	3
Literature Before 1800 (3 credits)		
Select one course designated with the Course Type: EN.1		3
Literature After 1800 (3 credits)		
Select one course designated with the Course Type: EN.2		3
Ethnic, Multicultural and World Literatures (3 credits)		
Select one course designated with the Course Type: EN.3		3
Rhetoric and Writing (12 credits)		
EN-546	Historical Persuasion and Argumentation	3
or EN-547	Definitions of Contemporary Rhetoric	
EN-558	Teaching Composition	3
Select two courses designated with Course Type: EN.RW		6
Thesis or Capstone (6 credits)		
EN-691	English Thesis Development	3
Or for Capstone, 500+ level English course with course type EN.RW		
EN-692	English Thesis Writing	3
Or for Capstone, 500+ level English course with course type EN.RW and:		
EN-ESS	English Master's Essay	0
Total Credits		30

Admission Requirements

1. Possession of a baccalaureate degree with a minimum 2.75 GPA; fifteen or more credits in literature or a related field strongly recommended.

2. An application essay of 1,000 words describing your interest in this program, what you hope to accomplish, and how you think the program will fit into your academic and career goals.

3. A writing sample in the form of a paper that best represents your academic work.

4. Two letters of recommendation. Letters from current or former professors recommended; if these are unavailable, letters may be sought from current colleagues, or a current or recent supervisor.

M.F.A. in Creative Writing

Code	Title	Credits
Requirements (18 credits)		
EN-652	Craft Intensive Seminar in Creative Writing	3
Creative Writing:		
Select 2 Courses in Creative Writing Designated with Course Type EN.CW [1]		6
EN-655A	MFA Creative Thesis Seminar	3
EN-655B	MFA Creative Thesis Seminar II	3
Electve, one course from among:		3
	Select one additional 500+ Level Course Designated with Course Type EN.CW	
	EN-650	Internship Seminar
Total Credits		18

[1]   *May be repeated once for credit.*

Current MA to MFA Language:

A creative writing sample: 15 – 20 pages of poetry, fiction, creative non-fiction, or drama writing.

Remove drama writing, as we do not offer this program or courses in this area.

Admission Requirements

Students applying for the dual MA/MFA degree program:

- Possession of a baccalaureate degree with a minimum 2.75 overall GPA, fifteen or more credits in literature or a related field, and at least one course in creative writing is strongly recommended.
- An application essay of 1,500 words describing their interest in creative writing, intent to continue study toward the M.F.A., what they hope to accomplish in the M.A. program, and how they thing the program will fit into their academic and career goals.
- A creative writing sample of twenty (20) pages: in poetry, fiction, or creative non-fiction.
- Two letters of recommendation. Letters from current or former professors recommended; if these are unavailable, letters may be sought from current colleagues, or a current or recent supervisor.

In either the third semester of the M.A. course of study, or after 18 credits, the M.F.A. candidates will submit an e-form applying to continue into the MFA curriculum, with the Director's approval.

Students applying for the third-year M.F.A. degree program only:

- Possession of a Monmouth University master's degree in English with a Creative Writing Concentration with a minimum 3.25 overall GPA
- OR

  a non-creative writing master's degree along with a Monmouth University Graduate Certificate in Creative Writing with a 3.25 overall GPA

- An application essay of 1,000 words describing your interest in creative writing, what you hope to accomplish in the program, and how you think the program will fit into your academic and career goals

- A creative writing sample: 15 – 20 pages of poetry, fiction, creative non-fiction, or drama writing
- Two letters of recommendation. Letters from current or former professors recommended; if these are unavailable, letters may be sought from current colleagues, or a current or recent supervisor.

History

Chair: Christopher DeRosa, Department of History and Anthropology

Master of Arts in History (M.A.)

This program is designed to accommodate various types of students. Those who wish to specialize in European History, the History of United States, or the program's new specialization, World History, and those who may wish to pursue a doctoral degree may elect to concentrate in any of those areas and to complete a master's thesis. Others with a more general interest in the subject of history may elect to pursue a more broad-based program with the option of taking a comprehensive exam instead of writing a master's thesis. The program is designed not only for recent college graduates, but also for secondary school teachers of history and social studies, and professionals in government, the military, and business.

Of the thirty credits required for this program, up to six graduate credits may be transferred from another institution.

Programs
Masters

- M.A. in History - Thesis Track (p. 91)
- M.A. in History - Non-Thesis Track (p. 91)
- M.A. in History, European Specialization - Thesis Track (p. 93)
- M.A. in History, European Specialization - Non-Thesis Track (p. 92)
- M.A. in History, United States Specialization - Thesis Track (p. 94)
- M.A. in History, United States Specialization - Non-Thesis Track (p. 93)
- M.A. in History, World Specialization - Thesis Track (p. 95)
- M.A. in History, World Specialization - Non-Thesis Track (p. 94)

Graduate Certificates

- Graduate Certificate in Geographic Information Systems (GIS) (p. 91)

Faculty

Julius Adekunle, Professor (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.
jadekunl@monmouth.edu

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.
campbell@monmouth.edu

Christopher DeRosa, Associate Professor and Chair (Graduate Faculty). B.A., Columbia University; Ph.D., Temple University. Fields include military history and American political history. Recent research concerns the political indoctrination of American soldiers. cderosa@monmouth.edu

Geoffrey Fouad, Assistant Professor (Graduate Faculty). B.S., Catawba College; M.S., University of South Florida; Ph.D., San Diego State University/UC Santa Barbara. Geographer using geographic information systems (GIS), remote sensing, and modeling to study environmental systems in space and time. gfouad@monmouth.edu

Frederick McKitrick, Associate Professor and Chair, Art and Design (Graduate Faculty). 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

Katherine Parkin, Professor and Jules Plangere Jr. Endowed Chair in American Social History (Graduate Faculty). B.A., Lake Forest College; Ph.D., Temple University. Major areas of interest include U.S. history and American women. kparkin@monmouth.edu

Thomas Pearson, Professor (Graduate Faculty). B.A., Santa Clara University; M.A., Ph.D., University of North Carolina at Chapel Hill. Teaching fields include Russian history, Soviet and Russian foreign policy, comparative revolutions, nineteenth-centry Europe, and modern Eastern Europe. His most recent research has focused on government and peasantry in modern Russian history. pearson@monmouth.edu

Maryanne Rhett, Professor and History Graduate Program Director (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. mrhett@monmouth.edu

Karen Schmelzkopf, Associate Professor (Graduate Faculty). B.A., M.A., Florida Atlantic University; Ph.D., Pennsylvania State University. Interests include Geographic Information Systems, land use policy, community organizations, and urban redevelopment. Current research projecs include community activism, politics of public space, and urban redevelopment issues in Asbury Park. kschmelz@monmouth.edu

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Courses

HS-CPE   History Comprehensive Exam   Credits: None
Term Offered: All Terms
Course Type(s): None
History Comprehensive Exam. This is a pass/fail course.

HS-THD   Thesis Defense   Credits: None
Term Offered: All Terms
Course Type(s): None
History Thesis Defense. This is a pass/fail course.

HS-501   Historical Criticism   Credits: 3
Term Offered: Spring Term
Course Type(s): None
History as a scholarly discipline, with emphasis on historical interpretation and philosophy since Classical Antiquity, the evaluation of sources, and the rules of critical analysis. A research paper will be required.

HS-502   The Philosophy of History   Credits: 3
Term Offered: Spring Term
Course Type(s): None
Analysis and appraisal of representative writings and philosophies of great historians from Classical Antiquity to modern times, reflecting the development of history as a scholarly discipline.

HS-503   Introduction to the Study of World History   Credits: 3
Term Offered: Fall Term
Course Type(s): HSNW, HSWLD
Introduces students to the growing field of World History, surveying the developments in the field since the nineteenth century. Examines key concepts and methods, and explores major themes and categories of analysis, including empire, nationalism, gender, and law. Required of all students in the World History specialization.

HS-504   Ancient Civilizations of Native America   Credits: 3
Term Offered: Fall Term
Course Type(s): HSNW
Cultural developments in Mesoamerica and the Central Andes from the development of agriculture to the Spanish conquest, focusing on Inca and Aztec civilizations; theoretical exploration of developmental similarities between the two regions. Also listed as AN-504.

HS-505   U.S. Women's History   Credits: 3
Term Offered: Fall Term
Course Type(s): HSUS
Explores U.S. Women's History and focuses on how women of different socioeconomic backgrounds, races, and ethnic groups have experienced cultural transformations and political change. Emphasis will be on the significance of citizenship, political agency, the cultural construction of race and gender, and reproductive rights.

HS-506   Historical Archaeology   Credits: 3
Term Offered: Fall Term
Course Type(s): HSUS
An intensive introduction to historical and industrial archaeology (c. 1492+). Topics covered include exploration, imperialism, colonization, industrialization and urbanism. Archaeological field methods and the interpretation of material culture are also introduced. Also listed as AN-506.

HS-510   Seminar in American History   Credits: 3
Term Offered: All Terms
Course Type(s): HSUS
Selected topics in American history, with emphasis on techniques of independent historical research and writing.

HS-511   Readings on American Colonial History   Credits: 3
Term Offered: Spring Term
Course Type(s): HSUS
Readings in recent writings in monographs and periodicals devoted to social, economic, and political aspects of American colonial history.

HS-512   American Revolution and Constitutional Issues, 1763-1789

Credits: 3

Term Offered: All Terms
Course Type(s): HSUS
Problems of Empire; the causes, course, and consequences of the American Revolution; the continuing revolution within the states and under the Articles of Confederation; and postwar struggles resulting in the adoption of the Constitution.

HS-515   The Civil War and Reconstruction   Credits: 3
Term Offered: All Terms
Course Type(s): HSUS
The economic, social, and political forces in the United States during the years 1850-1877 relating to the onset, nature, and impact of the Civil War and Reconstruction, and the Black Revolution.

HS-518   United States Family History   Credits: 3
Term Offered: Fall Term
Course Type(s): HSUS
This seminar explores United States Family History and the social construction of the family, its many diverse forms, and the relationship between society and the family. Analyzing issues of race, class, ethnicity, gender, and sexuality will further enable us to consider the history of the family form. We will cover such diverse topics as the history of adoption, courtship, and divorce.

HS-519   Harlem Renaissance and the New Negro Era   Credits: 3
Term Offered: All Terms
Course Type(s): HSUS
This course is a graduate seminar on the history of the cultural and intellectual movement in African American life in the 1920s and 1930s known as the Harlem Renaissance and New Negro era characterized by developments in poetry, literature, and in the visual arts. Although Harlem was the center of African American life and culture at the time, this phenomenon had both national and global dimensions. In this course, we will focus on race, gender, class and sexuality in the Harlem Renaissance and New Negro era beyond Harlem including some discussion of negritude across the African Diaspora and negrismo in the Spanish speaking Caribbean. This course includes an examination of the Harlem Renaissance and New Negro era from multiple perspectives including literary, artistic, cinematic, economic, and philosophical aspects of this critical moment in African American history.

HS-520   Field Methods Arch   Credits: 3
Term Offered: Summer Term
Course Type(s): None
An introduction to archaeological field methods: survey and excavation. Students will also learn excavation procedures, descriptive note writing, and drawing, and be introduced to archaeological photography, mapping, reporting, conservation and curation. Supervised fieldwork will be conducted on archaeological sites. Also listed as AN-520.

HS-522   History Urbanization in America   Credits: 3
Term Offered: All Terms
Course Type(s): HSUS
Provides an interdisciplinary study of the history of urbanization and industrialization in the United States from the mid-nineteenth century to the early twentieth century. Using the themes of community, technology, public policy, and immigration, students will examine the development and changes in the social, physical, political, and economic urban landscape. Also listed as PS-522.

HS-525   World War II   Credits: 3
Term Offered: All Terms
Course Type(s): HSEU, HSUS
Considers the military, economic, and political characteristics of the Allied and Axis powers and the strategies they produced; examines the military campaigns, the wartime economics, 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-526   The Cold War   Credits: 3
Term Offered: All Terms
Course Type(s): HSEU, HSUS, HSWLD
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; the diplomacy, propaganda, and armed might used to wage it; and the impact it had on participants' politics and culture.

HS-527   United States Military History   Credits: 3
Term Offered: All Terms
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-528   History of Consumerism in America   Credits: 3
Term Offered: Spring Term
Course Type(s): HSUS
A seminar that explores the origins of the consumer culture and the multitude of ways in which it has shaped American society. We consider both the reverence of and the critiques of consumerism, analyzing race, class, gender, ethnicity, and geography in our consideration of consumer ideology and practices. Advertising, marketing, sales, and the consumer will all be considered in our analysis of the history of consumerism.

HS-529   History of Sexuality in America   Credits: 3
Term Offered: All Terms
Course Type(s): HSUS
A seminar that explores the cultural history of sexuality in the United States. We will consider how race, class, and gender have influenced ideas about sexuality, morality, and power. Major topics include prostitution; reproduction; gay, lesbian, and transgender sexualities; sexually transmitted diseases; and sexual representation and censorship. Working with monographs, scholarly articles, and primary sources that come from throughout American history, we will explore the ways in which sexuality has both shaped and been affected by this nation's history.

HS-530   New Jersey History   Credits: 3
Term Offered: All Terms
Course Type(s): HSUS
A study of New Jersey history especially as a venue for exploring general trends in American history. Topics covered include New Jersey's Native Americans, colonial settlement, the proprietary government, agricultural unrest, the American Revolution, Federalism, slavery, industrialization, urbanization and suburbanization.

HS-531   Studies in Ancient History   Credits: 3
Term Offered: Fall Term
Course Type(s): HSEU
Readings and discussion of principal aspects of Graeco-Roman culture, with emphasis on the contribution of Classical Antiquity to Western Civilization and recent research in the field.

HS-532   Native American History and Prehistory   Credits: 3
Term Offered: Fall Term
Course Type(s): HSNW, HSWLD
Examines North America's native people in the area north of the Rio Grande. It combines North American prehistory with a historical overview of Native American experiences since contact. Evidence from archaeology, oral histories, and written sources are all presented. Challenges facing modern Native Americans are also examined. Also listed as AN-532.

HS-533   The History of Public Policy in the United States   Credits: 3
Term Offered: Fall Term
Course Type(s): HSUS
The objective is to survey major issues in domestic public policy. The emphasis is on changes in the process of policy formation in both the public and private sectors. Also listed as PS-533.

HS-535   The Renaissance   Credits: 3
Term Offered: All Terms
Course Type(s): HSEU
Europe in transition from the fourteenth to the sixteenth century; the crisis of the church, humanism and art, politics and diplomacy, exploration and discovery, science and the occult.

HS-536   The Reformation   Credits: 3
Term Offered: All Terms
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.

HS-537   Power and Enlightenment: Europe 1648-1789   Credits: 3
Term Offered: Summer Term
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; and the ideals and goals of the European enlightenment, developing social and political tensions, and enlightened despotism.

HS-541   Graduate Seminar in European History   Credits: 3
Term Offered: All Terms
Course Type(s): HSEU
Selected topics in European history, with emphasis on techniques of independent historical research and writing.

HS-542   French Revolution   Credits: 3
Term Offered: Spring Term
Course Type(s): HSEU
The causes of the Revolution; its relationship to the Enlightenment; the political, economic, social, and cultural consequences of the moderate phase and of the Terror.

HS-544   The German Empire, 1871-1914   Credits: 3
Term Offered: All Terms
Course Type(s): HSEU
The unification of the Empire; the political and social settlement imposed by Bismarck; the domestic crisis preceding World War I.

HS-545   World War I   Credits: 3
Term Offered: Spring Term
Course Type(s): HSEU
The international and domestic causes of the Great War; its political, economic, social, cultural, and psychological consequences in Britain, France, and Germany; its role in the birth of the modern age.

HS-546   The Weimar Republic, 1918-1933   Credits: 3
Term Offered: All Terms
Course Type(s): HSEU
The foundation of the first German republic as an outcome of revolution and defeat in war; its political and cultural innovations; the causes of its collapse.

HS-547   The Third Reich   Credits: 3
Term Offered: Fall Term
Course Type(s): HSEU
The ideological origins of Nazism; the consolidation and character of Nazi rule; the relation of Hitler with the German people; Nazism as revolution.

HS-548   African American Historiography from 1865 to the Present
     Credits: 3
Term Offered: All Terms
Course Type(s): HSUS
A graduate seminar on the historiography of African Americans from 1865 to the present. Students in this class will become familiar with the major topics, themes, methods and scholarly debates in this field that will then allow them to identify potential research topics in African American history, enhance their teaching on the subject, as public-school educators, while sharpening their critical and analytical thinking skills. Readings in this class include scholarly works on the history of emancipation, resistance, gender, the rise of Jim Crow, the Harlem Renaissance, the urban North, and the long Civil Rights-Black Power era to the New Jim Crow.

HS-549   James Baldwin's America   Credits: 3
Term Offered: All Terms
Course Type(s): HSUS
A graduate seminar on twentieth century U.S. history with an emphasis on race, gender, sexuality, religion and politics as chronicled through the writings, thoughts and ideas of James Baldwin. Baldwin is one of the foremost intellectuals in U.S. history. He wrote on a variety of subjects including art, culture, politics, religion, race, gender, and sexuality. Students in this class will become familiar with twentieth century U.S. history as expressed in the life and work of James Baldwin through a critical examination of his writings. Students will enhance their understanding of the subject of race and African Americans, as public-school educators and those with a scholarly interest in the subject, while sharpening their critical and analytical thinking skills after becoming familiar with the major themes, topics and history illustrated in the writings of one of the nation's most important intellectuals. Readings in this class include Baldwin's writings on religion, race, gender and sexuality from the mid-twentieth century to the 1980's.

HS-551   Graduate Seminar in British History   Credits: 3
Term Offered: All Terms
Course Type(s): HSEU
Selected topics in modern English and British history, with emphasis on techniques of historical research.

HS-553   Tudor-Stuart England   Credits: 3
Term Offered: Fall Term
Course Type(s): HSEU
The political, religious, social, and cultural history of England in the sixteenth and seventeenth centuries: Tudor absolutism, the English Reformation, the rise of Puritanism, social and economic change, the conflict between crown and Parliament, the English Civil War, and the Revolution of 1688.

HS-561   Twentieth Century Russia and the Soviet Union   Credits: 3
Term Offered: Fall Term
Course Type(s): HSEU
Studies in the transformation of Russian society, with emphasis on the revolutionary movements and the economic, social, and political institutions of Soviet Russia.

HS-562   History of Maps and Mapping   Credits: 3
Term Offered: All Terms
Course Type(s): HSEU, HSNW, HSWLD
Students will study the historical developments in cartographic technique, the development of mapping in different parts of the world, and the future of mapping in the computer age. Students will focus on the ways the events and ideology of a time period influence maps and mapping, and how in turn mapping influences history and ideology. Also listed an AN-562.

HS-563   Twentieth Century East Central Europe   Credits: 3
Term Offered: Spring Term
Course Type(s): HSEU
The political, economic, and social development of the lands between Germany and Russia, emphasizing the breakdown of the Ottoman and Hapsburg empires, the rise of the independent successor states between the wars, the Soviet takeover in the post-war era, and the development of "national" communism and polycentrism.

HS-572   The History of Tourism   Credits: 3
Term Offered: Fall Term
Course Type(s): HSEU, HSWLD
Students will study the history of tourism in different parts of the world from political, social, cultural, geographic, and economic perspectives. This will include an examination of historical differences in tourist attractions, tourist behaviors, and impacts on tourist destinations and their people. Students will also study how historical memory and interpretation shapes the contemporary tourist experience, as well as questions concerning authenticity and tourism. Also listed as AN-572.

HS-573   Ecological Imperialism   Credits: 3
Term Offered: All Terms
Course Type(s): HSWLD
Ecological History will examine the relationship between human society(ies) and the natural world over recorded time. As an interdisciplinary exercise this class will draw on the natural sciences, anthropology, and history to better understand the biological, cultural, imperial, ethical, economic, religious, political, and global ramifications of the relationship between humanity and humanity's "natural" surroundings. Also listed as AN-573.

HS-581   Seminar in East Asian History   Credits: 3
Term Offered: Fall Term
Course Type(s): HSNW
A study of selected topics in Chinese or Japanese history, with emphasis on techniques of historical research.

HS-584   Japanese Empire   Credits: 3
Course Type(s): HSNW, HSWLD
This course fits into the curriculum on multiple levels. MA students in history with a concentration in world history will have a new course to consider that will broaden their understanding of modernity, empire, and global imperialism. This course seeks to expand the current history curriculum by focusing on East Asia, an important region that has not been previously covered in graduate history courses.

HS-585   Colonialism in Africa   Credits: 3
Term Offered: All Terms
Course Type(s): HSNW
Analysis and appraisal of colonialism in Africa, reflecting on the political, economic, and sociocultural transformations, that occurred in Africa between 1880 and 1960. Also listed as AN-585.

HS-587   Nationalism in Africa   Credits: 3
Term Offered: Fall Term
Course Type(s): HSNW, HSWLD
Examines a major episode that transformed the political history of Africa in the twentieth century. It discusses how nationalism became an instrument of political change that led to the independence of African states. Begins by examining the concept of nationalism in Europe, how it was applied in Africa, and how it contributed to the struggle for independence.

HS-588   Decolonization in Africa 1940-1960   Credits: 3
Term Offered: Fall Term
Course Type(s): HSNW, HSWLD
Examines the process of transfer of power from colonial powers to Africans; the emergence of education elites; the rise of nationalism; implications of decolonization; and African expectations of independence.

HS-590   Paris, 1919: A World History   Credits: 3
Term Offered: Spring Term
Course Type(s): HSEU, HSWLD
Offers an examination of the Paris Peace Conference following World War I taking into account the ideologies and global themes of the time. Of particular interest, the course will examine nationalism, imperialism, state formation, militarism, and racism.

HS-591   Islam   Credits: 3
Term Offered: All Terms
Course Type(s): HSNW, HSWLD
This course examines Islamic history, culture, and art across the world, including but not limited to the Middle East, North Africa, the Balkans, and the Americas. Thematic coverage will include religious/spiritual/ritualistic, political, cultural, and intellectual changes, as well as, imperialism, the rise of nation-states, and cultural interaction with traditionally non-Islamic lands and peoples. Also listed as AN-591.

HS-595   History Internship/Practicum   Credits: 3
Prerequisite(s): Completion of twelve credits
Term Offered: All Terms
Course Type(s): None
Provides graduate students with the opportunity to gain substantive career experience and build specific applied skills by working in outside programs, institutions, agencies and firms engaged in the fields of public history, historical archeology and anthropology and regional geography.

HS-598   Special Topics in History   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Allows students to study a specific aspect of history. 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.

HS-599   Independent Study in History   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Reading and research leading to significant written work under the
direction of a member of the History faculty. Prior permission of the
directing professor and department chair is required to take this course.

HS-690   History Master's Thesis   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Reading and research leading to significant written work under the
direction of a history faculty member, for the completion of the Master's
program in the history department. Each thesis will be supervised by
a "first reader" and a "second reader". First readers must be full-time
faculty with terminal degrees in the field. Registration for thesis credits is
completed after a successful defense of a prospectus (thesis proposal).
This is a pass/fail course.

Graduate Certificate in Geographic Information Systems (GIS)

Code	Title	Credits
Requirements (9 credits)		
AN/GO-524	Introduction to Geographical Information Systems (GIS)	3
GO-520	Spatial Database Design and Management in GIS	3
GO-540	Spatial Analysis	3
Electives (3 credits)		
Select one course from the following list:		3
GO-501	Advanced GIS Applications and Project Implementation	
GO-510	Cartography in GIS	
GO-515	Visual Basic for GIS	
GO-559	Remote Sensing and GPS	
GO-599	Independent Study	
AN/HS-520	Field Methods in Archaeology	
AN/HS-562	History of Maps and Mapping	
CJ-595	Geographic Information Systems, Crime Mapping, and Analysis	
CJ-695	Knowledge into Practice: Criminal Justice Capstone Course	
Total Credits		**12**

Admission Requirements

1. Possession of a baccalaureate degree from an accredited college or university with a minimum 3.0 grade point average (GPA).
2. A 500-word essay highlighting personal and/or professional goals related to pursuing study in the GIS graduate certificate program.

M.A. in History - Non-Thesis Track

Code	Title	Credits
Requirements (30 credits)		
HS-501	Historical Criticism	3
or HS-502	The Philosophy of History	
Select one U.S. History course designated with Course Type: HSUS		3
Select one European History course designated with Course Type: HSEU		3
Select one World or Non-Western course designated with Course Types: HSWLD or HSNW		3
Select 15 credits of History (HS) Electives		15
Select 3 credits of History (HS)		3
HS-CPE	History Comprehensive Exam	0
Total Credits		**30**

Sequence Chart

Included below is a suggested plan of study to complete this program. Please use this as a guide; consult with you advisor to determine the sequence that best matches your circumstances.

First Year					
Fall	Credits	**Spring**	Credits	**Summer**	Credits
Select three credits of U.S. History (HS-500+) course designated with Course Type: HSUS	3	HS-501 Historical Criticism or 502	3	Select 6 credits of Graduate History (HS-500+) Electives	6
Select three credits of European History (HS-500+) courses designated with Course Type: HSEU	3	Select three credits World or Non-Western (HS-500+) courses designated with Course Types: HSWLD or HSNW	3		
Semester Credits	6	Semester Credits	6	Semester Credits	6
Second Year					
Fall	Credits	**Spring**	Credits		
Select 6 credits (HS-500+) Graduate History Electives	6	HS-CPE History Comprehensive Exam	0		
		Select 6 Credits of (HS-500+) Graduate History Electives	6		
Semester Credits	6	Semester Credits	6		

Total Credits 30

Admission Requirements

1. Possession of a baccalaureate degree with a 2.5 overall GPA and a 3.0 GPA in the undergraduate major.
2. Two letters of recommendation.
3. Written statement that describes the historical areas you wish to study and details how graduate study will contribute to your professional and academic goals.

M.A. in History - Thesis Track

Students interested in pursuing the thesis option must consult with the department before submitting the e-FORM to change their program.

Code	Title	Credits
Requirements (12 credits)		
HS-501	Historical Criticism	3
or HS-502	The Philosophy of History	
Select one U.S. History course designated with Course Type: HSUS		3
Select one European History course designated with Course Type: HSEU		3
Select one World or Non-Western course designated with Course Types: HSWLD or HSNW		3
Electives (15 credits)		
Select 15 credits of History (HS) Electives		15
Thesis (3 credits)		

Code	Title	Credits
HS-690	History Master's Thesis	3
HS-THD	Thesis Defense	0
Total Credits		30

Sequence Chart

Included below is a _suggested_ plan of study to complete this program. Please use this as a guide; consult with your advisor to determine the sequence that best matches your circumstances.

First Year

Fall	Credits	Spring	Credits	Summer	Credits
Select one U.S. History (HS-500+) course designated with course type: HSUS	3	HS-501 Historical Criticism or 502	3	Select 6 credits of History (HS-500+) Electives	6
Select one European History (HS-500+) course designated with course type: HSEU	3	Select one World or Non-Western (HS-500+) course designated with course types: HSWLD or HSNW	3		
Semester Credits	6	Semester Credits	6	Semester Credits	6

Second Year

Fall	Credits	Spring	Credits
Select two HS-500+ Graduate History Electives	6	HS-690 History Master's Thesis	3
		HS-THD Thesis Defense	0
		Select 3 credits of History (HS-500+) Electives	3
Semester Credits	6	Semester Credits	6

Total Credits 30

Admission Requirements

1. Possession of a baccalaureate degree with a 2.5 overall GPA and a 3.0 GPA in the undergraduate major.
2. Two letters of recommendation.
3. Written statement that describes the historical areas you wish to study and details how graduate study will contribute to your professional and academic goals.

M.A. in History, European Specialization - Non-Thesis Track

Code	Title	Credits
Requirements (3 credits)		
HS-501	Historical Criticism	3
or HS-502	The Philosophy of History	
European Specialization (27 credits)		
Select 5 History (HS) courses designated with Course Type: HSEU		15
Select one U.S. History (HS) course designated with Course Type: HSUS		3
Select one World or Non-Western course designated with Course Types: HSWLD or HSNW		3
Select 6 credits of History (HS) coursework		6
HS-CPE	History Comprehensive Exam	0
Total Credits		30

Sequence Chart

Included below is a _suggested_ plan of study to complete this program. Please use this as a guide; consult with you advisor to determine the sequence that best matches your circumstances.

First Year

Fall	Credits	Spring	Credits	Summer	Credits
Select 6 credits of European History (HS-500+) courses designated with Course Type: HSEU	6	HS-501 Historical Criticism or 502	3	Select 3 credits of Graduate History (HS-500+) Electives	3
		Select 3 credits of World or Non-Western (HS-500+) courses designated with Course Types: HSWLD or HSNW	3	Select 3 credits of courses designated with Course Type: HSUS	3
Semester Credits	6	Semester Credits	6	Semester Credits	6

Second Year

Fall	Credits	Spring	Credits
Select 6 credits of European History (HS-500+) courses designated with Course Type: HSEU	6	HS-CPE History Comprehensive Exam	0
		Select 3 credits of European History designated with Course Type: HSEU	3
		Select 3 credits of (HS-500+) Graduate History Electives	3
Semester Credits	6	Semester Credits	6

Total Credits 30

Admission Requirements

1. Possession of a baccalaureate degree with a 2.5 overall GPA and a 3.0 GPA in the undergraduate major.
2. Two letters of recommendation.

3. Written statement that describes the historical areas you wish to study and details how graduate study will contribute to your professional and academic goals.

M.A. in History, European Specialization - Thesis Track

Students interested in pursuing the thesis option must consult with the department before submitting the e-FORM to change their program.

Code	Title	Credits
Requirements (3 credits)		
HS-501	Historical Criticism	3
or HS-502	The Philosophy of History	
European Specialization (21 credits)		
Select 5 History (HS) courses designated with Course Type: HSEU		15
Select one U.S. History (HS) course designated with Course Type: HSUS		3
Select one World or Non-Western course designated with Course Types: HSWLD or HSNW		3
Thesis (6 credits)		
Select 3 credits of History (HS) coursework		3
HS-690	History Master's Thesis	3
HS-THD	Thesis Defense	0
Total Credits		30

Sequence Chart

Included below is a <u>suggested</u> plan of study to complete this program. Please use this as a guide; consult with you advisor to determine the sequence that best matches your circumstances.

First Year

Fall	Credits	Spring	Credits	Summer	Credits
Select 6 credits of European History (HS-500+) courses designated with Course Type: HSEU	6	HS-501 Historical Criticism or 502	3	Select 3 credits of European History (HS-500+) courses designated with Course Type: HSEU	3
		Select 3 credits of World or Non-Western (HS-500+) courses designated with Course Types: HSWLD or HSNW	3	Select 3 credits of Graduate History (HS-500+) courses designated with Course Type: HSUS	3
Semester Credits	6	Semester Credits	6	Semester Credits	6

Second Year

Fall	Credits	Spring	Credits
Select 6 credits of (HS-500+) courses designated with Course Type: HSEU	6	HS-690 History Master's Thesis	3
		HS-THD Thesis Defense	0

Select 3 credits of (HS-500+) Graduate History Electives		3	
Semester Credits	6	Semester Credits	6

Total Credits 30

Admission Requirements

1. Possession of a baccalaureate degree with a 2.5 overall GPA and a 3.0 GPA in the undergraduate major.
2. Two letters of recommendation.
3. Written statement that describes the historical areas you wish to study and details how graduate study will contribute to your professional and academic goals.

M.A. in History, United States Specialization - Non-Thesis Track

Code	Title	Credits
Requirements (3 credits)		
HS-501	Historical Criticism	3
or HS-502	The Philosophy of History	
United States Specialization (27 credits)		
Select 5 History (HS) courses designated with Course Type: HSUS		15
Select one European History (HS) course designated with Course Type: HSEU		3
Select one World or Non-Western course designated with Course Types: HSWLD or HSNW		3
Select 6 credits of History (HS) coursework		6
HS-CPE	History Comprehensive Exam	0
Total Credits		30

Sequence Chart

First Year

Fall	Credits	Spring	Credits	Summer	Credits
Select 6 credits of Graduate (HS) courses designated with Course Type: HSUS	6	HS-501 Historical Criticism or 502	3	Select 6 credits of Graduate History (HS) courses designated with Course Type: HSUS	6
		Select one European History (HS) course designated with Course Type: HSEU	3		
Semester Credits	6	Semester Credits	6	Semester Credits	6

Second Year

Fall	Credits	Spring	Credits
Select one Graduate History (HS) course designated with Course Type: HSUS	3	Select 6 credits of Graduate History (HS) coursework	6
Select one Graduate World or Non-Western History (HS) course designated with Course Types: HSWLD or HSNW	3	HS-CPE History Comprehensive Exam	0
Semester Credits	6	Semester Credits	6

Total Credits 30

Admission Requirements

1. Possession of a baccalaureate degree with a 2.5 overall GPA and a 3.0 GPA in the undergraduate major.
2. Two letters of recommendation.
3. Written statement that describes the historical areas you wish to study and details how graduate study will contribute to your professional and academic goals.

M.A. in History, United States Specialization - Thesis Track

Students interested in pursuing the thesis option must consult with the department before submitting the e-FORM to change their program.

Code	Title	Credits
Requirements (3 credits)		
HS-501	Historical Criticism	3
or HS-502	The Philosophy of History	
United States Specialization (21 credits)		
Select 5 History (HS) courses designated with Course Type: HSUS		15
Select one European History (HS) course designated with Course Type: HSEU		3
Select one World or Non-Western course designated with Course Types: HSWLD or HSNW		3
Thesis (6 credits)		
Select 3 credits of History (HS) coursework		3
HS-690	History Master's Thesis	3
HS-THD	Thesis Defense	0
Total Credits		30

Sequence Chart

Included below is a <u>suggested</u> plan of study to complete this program. Please use this as a guide; consult with you advisor to determine the sequence that best matches your circumstances.

First Year

Fall	Credits	Spring	Credits	Summer	Credits
Select 6 credits of Graduate History (HS) courses designated with Course Type: HSUS	6	HS-501 Historical Criticism or 502	3	Select 6 credits of Graduate History (HS) courses designated with Course Type: HSUS	6
		Select one Graduate History (HS) course designated with Course Type: HSEU	3		
Semester Credits	6	Semester Credits	6	Semester Credits	6

Second Year

Fall	Credits	Spring	Credits
Select 3 credits of Graduate History (HS) courses designated with Course Type: HSUS	3	Select 3 credtis of Graduate History (HS) coursework	3
Select one Graduate World or Non-Western course designated with Course Types: HSWLD or HSNW	3	HS-690 History Master's Thesis	3
		HS-THD Thesis Defense	0
Semester Credits	6	Semester Credits	6

Total Credits 30

Admission Requirements

1. Possession of a baccalaureate degree with a 2.5 overall GPA and a 3.0 GPA in the undergraduate major.
2. Two letters of recommendation.
3. Written statement that describes the historical areas you wish to study and details how graduate study will contribute to your professional and academic goals.

M.A. in History, World Specialization - Non-Thesis Track

Code	Title	Credits
Requirements (6 credits)		
HS-501	Historical Criticism	3
or HS-502	The Philosophy of History	
HS-503	Introduction to the Study of World History	3
World History Specialization (24 credits)		
Select 2 History (HS) courses designated with Course Type: HSWLD		6
Select 2 World or Non-Western courses designated with Course Types: HSWLD or HSNW		6

Select 2 European History (HS) courses designated with Course Type: HSUS or HSEU		6
Select 6 credits of History (HS) coursework		6
HS-CPE	History Comprehensive Exam	0
Total Credits		30

Sequence Chart

Included below is a <u>suggested</u> plan of study to complete this program. Please use this as a guide; consult with you advisor to determine the sequence that best matches your circumstances.

First Year

Fall	Credits	Spring	Credits	Summer	Credits
HS-503 Introduction to the Study of World History	3	HS-501 Historical Criticism or 502	3	Select 6 credits of Graduate World or Non-Western courses designated with Course Types: HSWLD or HSNW	6
Select 3 credits of Graduate History (HS) courses designated with Course Type: HSWLD	3	Select 3 credits of Graduate History (HS) courses designated with Course Type: HSWLD	3		
Semester Credits	6	Semester Credits	6	Semester Credits	6

Second Year

Fall	Credits	Spring	Credits
Select 3 credits of Graduate History (HS) courses designated with Course Type: HSUS or HSEU	3	Select 3 credits of Graduate History (HS) courses designated with Course Type: HSUS or HSEU	3
Select 3 credits of Graduate History (HS500+) Electives	3	Select 3 credits of Graduate History (HS-500+) Electives	3
		HS-CPE History Comprehensive Exam	0
Semester Credits	6	Semester Credits	6

Total Credits 30

Admission Requirements

1. Possession of a baccalaureate degree with a 2.5 overall GPA and a 3.0 GPA in the undergraduate major.
2. Two letters of recommendation.
3. Written statement that describes the historical areas you wish to study and details how graduate study will contribute to your professional and academic goals.

M.A. in History, World Specialization - Thesis Track

Students interested in pursuing the thesis option must consult with the department before submitting the e-FORM to change their program.

Code	Title	Credits
Requirements (6 credits)		
HS-501	Historical Criticism	3
or HS-502	The Philosophy of History	
HS-503	Introduction to the Study of World History	3
World History Specialization (18 credits)		
Select 2 History (HS) courses designated with Course Type: HSWLD		6
Select 2 World or Non-Western courses designated with Course Types: HSWLD or HSNW		6
Select 2 European History (HS) courses designated with Course Type: HSUS or HSEU		6
Thesis (6 credits)		
Select 3 credits of History (HS) coursework		3
HS-690	History Master's Thesis	3
HS-THD	Thesis Defense	0
Total Credits		30

Sequence Chart

First Year

Fall	Credits	Spring	Credits	Summer	Credits
HS-503 Introduction to the Study of World History	3	HS-501 Historical Criticism or 502	3	Select 6 credits of Graduate World or Non-Western courses designated with Course Types: HSWLD or HSNW	6
Select 3 credits of Graduate History (HS) courses designated with Course Type: HSWLD	3	Select 3 credits of Graduate History (HS) courses designated with Course Type: HSWLD	3		
Semester Credits	6	Semester Credits	6	Semester Credits	6

Second Year

Fall	Credits	Spring	Credits
Select 6 credits of GraduateHistory (HS) coursres designated with Course Type: HSUS or HSEU	6	Select 3 credits of Graduate History (HS-500+) Electives	3
		HS-690 History Master's Thesis	3

	HS-THD Thesis Defense	0
Semester Credits	6 Semester Credits	6

Total Credits 30

Admission Requirements

1. Possession of a baccalaureate degree with a 2.5 overall GPA and a 3.0 GPA in the undergraduate major.

2. Two letters of recommendation.

3. Written statement that describes the historical areas you wish to study and details how graduate study will contribute to your professional and academic goals.

Political Science and Sociology

Chair: Kenneth Mitchell, Department of Political Science and Sociology
Sociology Program Director: Johanna Foster

Mission Statement

Through a study of government, law, public policy, international relations, and area studies, our mission is to prepare students with knowledge and skills for a number of career possibilities, and to instill civic responsibility and leadership.

Faculty

Rekha Datta, Professor and Freed Endowed Chair in the Humanities (Graduate Faculty).
Interim Provost/Senior Vice President for Academic Affairs. 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.
rdatta@monmouth.edu

Kevin Dooley, Associate Professor (Graduate Faculty). B.A., Monmouth University; M.A., Ph.D., Rutgers University. Research interests focus on globalization, comparative 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).
kdooley@monmouth.edu

Nancy J Mezey, Professor (Graduate Faculty).
Dean, Honors School. B.A., Vassar College; M.A., Ph.D., Michigan State University. Specializes in family sociology, race-class-gender studies, gender studies, and the sociology of sexualities. Her research and publications focus on how and why diverse family forms develop out of particular social, cultural, historical, and political contexts. Outside of Monmouth University, Dr. Mezey serves as the 2014-2015 Vice President of the Society for the Study of Social Problems (SSSP). She also served as a volunteer in Mali, West Africa, for the Peace Corps from 1988-1990. In 2010 , she received the Monmouth University Distinguished Teacher of the Year Award.
nmezey@monmouth.edu

Kenneth Mitchell, Professor and Chair (Graduate Faculty). 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.
kmitchel@monmouth.edu

Saliba Sarsar, Professor (Graduate Faculty). 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.
sarsar@monmouth.edu

Courses

PS-CPE   Public Policy Comprehensive Exam   **Credits: None**
Prerequisite(s): PS-510, PS-515, PS-516, and PS-518
Term Offered: All Terms
Course Type(s): None
Public Policy Comprehensive Exam. This is a pass/fail course.

PS-510   Policy Analysis   **Credits: 3**
Term Offered: All Terms
Course Type(s): TPS
An overview of the field of public policy studies with particular attention paid to the role of the policy analyst in the field of public policy. This course provides a solid foundation for the study of public policy analysis by concentrating on the five stages of the policy process, including agenda setting, policy formulation, budgeting, policy implementation, and policy evaluation.

PS-514   Public Opinion and Polling   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Students are taught how to use social science research methods to critique and create polling surveys. Particular attention is paid to the data collection and sample design, survey research methods, questionnaire development, and data collection and analysis. Students are taught how to evaluate the quality of survey research methods. Students will also be expected to design, implement, and analyze an original polling survey.

PS-515   Public Policy Research Design   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Introduces students to the different research techniques widely practiced in the field of public policy. Students will learn about the research process, from conceptualization to operationalization and measurement. Students examine the importance of writing the literature review and articulating the research question; explore various research designs such as experiments, survey research, and other methods for collecting data. Other issues such as sampling, validity, and reliability are addressed. Class discussions, exercises, readings, and other materials will equip students with the skills to design a piece of policy research to, for example, assess policy proposals, and programs.

PS-516   Research Methods   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Introduces students to widely used analytical and data presentation techniques in the field of public policy. Students will explore descriptive and inferential statistics. Using Excel and Statistical Package for the Social Sciences, students learn how to build a data set, how to acquire secondary data, and how to clean and analyze data. Students will learn about distributions and how to interpret findings. Determining whether research findings are capable of making inferences is examined through regression analysis. Data presentation techniques are addressed to strengthen the skills of students to translate quantitative information to a broad audience.

PS-518   Theory, Policy, Ethics   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Seeks to enable students to develop a critical understanding of the moral and political values that come into play in public policy. Topics include the tensions between ethics and politics in the tradition of political theory as well as how they feature in contemporary public policy debates in American and global politics. Students gain an understanding of the role of ethics as a matter of social justice as well as ethical issues and dilemmas in professional ethics.

PS-522   History of Urbanization in America   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Provides an interdisciplinary study of the history of urbanization and industrialization in the United States from the mid-nineteenth century to the early twentieth century. Using the themes of community, technology, public policy, and immigration, students will examine the development and changes in the social, physical, political, and economic urban landscape. Also listed as HS-522.

PS-524   Public Opinion and the Media   **Credits: 3**
Term Offered: Summer Term
Course Type(s): None
An examination of the shifting nature of public opinion, the agenda-setting role of mass media, and the survey methods that are employed to determine public opinion. The practices, values, and traditions of journalism that impact public opinion. Experience with the conduct of a survey and analysis of case studies.

PS-525   Political Communication   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
The study of traditional and contemporary theories of rhetoric as applied in research and analysis of political campaigns. The rhetorical creation, maintenance, application, and legitimization of symbolic power. A survey of analytic models of political communication and application of the models to case studies. The role of the political communication specialist. Practicum in political communication strategies and techniques. Also listed as CO-525.

PS-530   Environmental Policy   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
A survey of the process by which environmental politics, planning, and public policy is conducted in the United States and around the world. We will examine the nature and scope of environmental, energy, and natural resource problems; contrasting perspectives on their severity and policy implications; the goals and strategies of the environmental movement and public opinion on the environment; scientific, economic, political, and institutional forces that shape policymaking and implementation; approaches to environmental policy analysis; and selected issues in environmental policy in the global community. In addition to the covering of certain ecological science terms, the interplay between international organizations, non-governmental organizations, and traditional states and the ways in which these actors seek diplomatic solutions to environmental problems is also covered.

PS-533   The History of Public Policy in the United States   **Credits: 3**
Term Offered: All Terms
Course Type(s): HSUS
The objective is to survey major issues in domestic public policy. The emphasis is on changes in the process of policy formation in both the public and private sectors. Also listed as HS-533.

PS-553   Gender, Family, and Policy   **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Examines how policies affect a diverse spectrum of families based on class, race, gender, sexuality, age, and nationality. It begins with a historical perspective on how families have developed because of historical factors such as changing economy and technology. It also examines how social structures such as race, class, gender, and sexuality have shaped families. It then focuses on current issues facing families and the policies that regulate those issues, such as the balance between work and family, welfare, reproductive issues, violence, healthcare, and educational issues. A comparative approach will be taken to examine policies both in the U.S. and within other countries. Also discussed will be family activism aimed at affecting policy in the U.S.

PS-563   Global Policies and Issues   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Adopting an interdisciplinary perspective, this course looks at the positive and negative effects of globalization. It also explores the national and international aspects of major global policies and issues that shape the interdependent world of the twenty-first century.

PS-566   Comparative Public Policy   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
In the world in which terrorism and chaos threaten to upset the policy-making capabilities of state governments, it is vital that we understand the different ways that nations formulate and implement public policy. Through an extensive investigation of policy analysis across a broad spectrum of states, the student will be able to better understand the reasons for policy decisions around the world. Democratic governments will be compared and contrasted to non-democratic governments in an attempt to provide greater insight and answer questions of health, economic, environmental, and foreign policies.

PS-583   The Causes of War   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
A critical analysis of the general and recurring problems of war in human life; the course probes the direct and indirect causes of war by employing various analytical methods developed in political science as well as in sister disciplines of the social sciences.

PS-585   American Foreign Policy   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Examines, analyzes, and evaluates the many dimensions and issues of American foreign policy since 1945. It provides an interpretative framework within which the sources of American action abroad may be understood. Combines descriptive and explanatory material with empirical evidence and makes a serious effort to distinguish facts from inferences, hypotheses, and opinions. The post-Cold War and post-9/11 worlds are assessed, with a focus on American goals, capabilities, and relationships around the world.

PS-595   Political Science Practicum   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
An opportunity to apply classroom theory in practice through actual work experience. Students have the opportunity to apply the theories and concepts of public policy to actual work settings.

PS-597   Portfolio   **Credits: None**
Term Offered: All Terms
Course Type(s): None
Enables students to complete their portfolios for the Master of Arts in Public Policy (MAPP). The portfolio displays academic and professional development and learning gained from the MAPP program and related experiences. The portfolio contains collections of academic and professional goal statements, term papers, reflective essays and artifacts gathered in various classes and colloquiums and connected work.

PS-598   Special Topics/Special Projects   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Offered occasionally to match the interest of the students' and the professor teaching the course. The instruction will follow classroom lectures and discussions on the topic. The exact nature of the topic covered in any given semester is indicated on the student's transcript. Permission of the program director is required to take this course.

PS-599   Readings and Research   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
An independent research study based on relevant research and the writing of a substantial paper designed and executed by the student in consultation with a supervising professor. The subject matter should cover public policy and related areas. Prior permission of the directing professor and department chair is required to take this course.

PS-692   Public Policy Master's Thesis   **Credits: 3**
Prerequisite(s): PS-515 and PS-516
Term Offered: All Terms
Course Type(s): None
Students have the option of completing the comprehensive exam or thesis to satisfy the program requirements. With the thesis, students design and implement an original research project. Students will select and work with a first and second reader from among graduate program or affiliated faculty. The thesis involves writing the literature review, developing data collection instruments, data collection and presentation of results. Results are presented at a thesis defense organized by the program director.

SO-505   Critical Issues in Crime and Delinquency   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
An overview of some of the major problems confronting criminology and the criminal and juvenile justice systems. Current criminological literature and research will be evaluated in terms of its ability to suggest solutions to these problems.

Professional Counseling

Chair: David Burkholder, Department of Professional Counseling

Master of Arts in Addiction Studies (M.A.)

The Master of Arts in Addiction Studies is a thirty-three credit program designed to prepare students to work with individuals, groups, couples, and families impacted by various types of substance use and addictive disorders. The program is accredited by the National Addiction Studies Accreditation Committee (NASAC). Graduates are prepared to work within a variety of addiction treatment programs and agencies and eventually to practice privately. The Addiction Studies Track was developed to meet the educational requirements for the Licensed Clinical Alcohol and Drug Counselor (LCADC), which is a New Jersey state license. It is the student's responsibility to ensure acceptability by the licensing agency. Students must complete PC-505 Mental Health Counseling (3 cr.) during their first term of study.

Professional Counseling Certificate

The Graduate Certificate in Professional Counseling is an eighteen-credit program designed for students who are completing or have completed a CACREP-accredited master's degree in counseling and are in need of additional hours to complete the educational requirements of the Licensed Professional Counselor (LPC) licensure in New Jersey. Up to six credits may be waived if students have already completed PC-505 Mental Health Counseling (3 cr.) or EDC-505 Counseling and Ethical Practice (3 cr.) as well as PC-525 Theories of Counseling (3 cr.) or EDC-530 Counseling Theory and Practice (3 cr.) as part of their CACREP-accredited master's degree. The Graduate Certificate in Professional Counseling allows students to pattern their choice of free elective courses to complete courses with a common theme about specialized areas of counseling, like addictions counseling, counseling children and adolescents, couples and family counseling, etc.

Master of Science in Clinical Mental Health Counseling (M.S.)

The Master of Science in Mental Health Counseling is a sixty-credit program designed to provide students with the courses necessary to sit for licensing to engage in practice as a Professional Counselor. Graduates are prepared to work within mental health treatment agencies and eventually to practice privately. Courses are designed to satisfy criteria prescribed by the New Jersey State Board of Professional Counselor Examiners. In addition, because this sixty-credit degree is a CACREP-accredited program in Clinical Mental Health Counseling, it may satisfy the educational requirements for counselor licensure in other states. However, it is the student's responsibility to ensure acceptability by any licensing agency. PC-505 Mental Health Counseling (3 cr.) must be taken during the first term of study.

Programs
Masters

- M.A. in Addiction Studies (p. 105)
- M.S. in Clinical Mental Health Counseling (p. 105)

Certificate

- Graduate Certificate in Professional Counseling (p. 105)

Faculty

Charles Branch, Assistant Professor (Graduate Faculty). B.S., University of West Alabama; M.A., University of Alabama at Birmingham; Ph.D., Auburn University. Focused on African American male experiences, mentoring, multicultural issues, and increasing the practice of self-care for helping professionals. cbranch@monmouth.edu

David Burkholder, Associate Professor and Chair (Graduate Faculty). B.S., Geneva College; M.Ed., Ohio University; Ph.D., Kent State University. Specialization in mental health counseling with children and adolescents. Areas of interest include career counseling, student retention, spirituality, legal and ethical issues in therapy, and multicultural issues. dburkhol@monmouth.edu

Jessica Reno Burkholder, Associate Professor (Graduate Faculty). B.S., Miami University, M.A., Denver Seminary; Ph.D., Kent State University. A licensed professional counselor in New Jersey, Dr. Reno Burkholder's research interests focus on the ethical development and multicultural training of counselors. Clinically, she has specialized in the treatment of adolescent sexual behavior problems, trauma, and mood and anxiety disorders in children and adolescents. jburkhol@monmouth.edu

Alan Cavaiola, Professor and Addiction Studies Graduate Program Director (Graduate Faculty). B.A., Monmouth University (Monmouth College); M.A., Fairleigh Dickinson University; Ph.D., Hofstra University. Specialization in the area of counseling issues related to mental health and alcoholism, substance abuse, and other addictive behaviors, and their impact on individuals, couples, and families. Teaching, research, and counseling interests focus on crisis intervention, sequelae of trauma, personality disorders, DUI offenders, workplace dynamics, and workplace stresses. acavaiol@monmouth.edu

Megan Delaney, Assistant 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. mdelaney@monmouth.edu

David Ford, Assistant Professor (Graduate Faculty). B.A., M.A., Wake Forest University; Ph.D., Old Dominion University. Professional interests are Black Greek life; multicultural issues; college students; African American males in higher education; career counseling; addictions counseling; supervision; group work; qualitative research; the LGBTQQIA community; Intersectionality; and persons living with HIV/AIDS. dford@monmouth.edu

Joanne Jodry, Assistant Professor and Mental Health Counseling Program Director (Graduate Faculty). M.A., Monmouth University; Ed.D., Argosy University; D.M.H., Drew University. Specializations in professional mental health counseling with primary clinical interests in women's issues throughout the life span, life crisis, and existential issues. Areas of research interest include the interplay of counseling

and religion (through a world religion perspective); the impact of therapeutic relationships on the counselor; and integrating feminist concepts into counseling.
jjodry@monmouth.edu

Sarah Springer, Assistant Professor (Graduate Faculty). BA, Mason Gross School of Arts; MA, Colulmbia University, PhD, Montclair State University. A Licensed Professional counselor (LPC) and Approved Clinical Supervisor (ACS) in New Jersey, Dr. Springer specialized in counselor development, group counseling, supervision, and counseling in the schools.
sspringe@monmouth.edu

Courses

PC-CPE   Professional Counseling Comprehensive Examination
Credits: None
Prerequisite(s): Forty-eight credits in Professional Counseling including PC-505, PC-506, PC-512, PC-515, PC-523, PC-525, PC-529, PC-550, PC-570, PC-595, and PC-603
Co-requisite(s): PC-680
Term Offered: All Terms
Course Type(s): None
This is the Counselor Preparation Comprehensive Examination required to graduate from the Professional Counseling Program. Must be taken during the final term of study in the MS in Clinical Mental Health Counseling Program. Limited to Professional Counseling majors. This is a pass/fail course.

PC-502   Ecotherapy: Counseling and the Natural World   Credits: 3
Term Offered: All Terms
Course Type(s): None
Ecotherapy is defined as contact with nature as a method or element of counseling and addresses the critical fact that as humans we are interwoven with the natural world. Ecotherapists seek to develop and understand ways of expanding the emotional connection between clients and the natural world within the counseling context, thereby assisting individuals with developing sustainable lifestyles and remedying alienation from nature. Ecotherapy includes a wide range of techniques such as wilderness therapy, forest bathing, equine therapy, animal-assisted therapy, horticultural therapy, biophilic design and green therapy. Students in this course will obtain a firm understanding of the theoretical constructs of Ecosychology, demonstrate a model of EcoWellness, and obtain applicable skills in Ecotherapy.

PC-505   Mental Health Counseling   Credits: 3
Term Offered: All Terms
Course Type(s): None
An overview of the profession of counseling, its ethical standards, literature, professional organizations, and the knowledge, skills and abilities required for success in the field. Assists students in formulating a concept of the profession that will allow them to enhance their growth and professional identity as a counselor. In addition, the opportunity for students to become aware of counseling career opportunities in the region is provided. Must be taken during the first term of study in the MS in Mental Health Counseling and the MA in Professional Counseling. Limited to Professional Counseling majors.

PC-506   Testing and Assessment in Counseling   Credits: 3
Term Offered: All Terms
Course Type(s): None
An overview of test administration and validity. Students will be introduced to tests of intelligence, personality and interests. Limited to Professional Counseling majors.

PC-510   Community Mental Health   Credits: 3
Term Offered: All Terms
Course Type(s): None
An overview of mental health counseling within community and health/human services settings. Reviews prevention, intervention, and needs assessment, as well as program implementation and evaluation, in a comprehensive way. Client advocacy, governmental policies, obtaining funding, and other aspects of the delivery of human services are explored, with particular focus on the management and ethical standards of all administrative and clinical counseling services related to mental health programs. Limited to Professional Counseling majors.

PC-512   Psychopathology   Credits: 3
Term Offered: All Terms
Course Type(s): None
Offers an intensive investigation of current thinking regarding the etiology and development of aberrant behavior; theory in the light of experimental findings and clinical applications. Limited to Professional Counseling majors.

PC-515   Human Development through the Life Span   Credits: 3
Term Offered: All Terms
Course Type(s): None
Provides students with an overview of human development, with comprehensive coverage of all major developmental stages (prenatal period and infancy, childhood, adolescence, early adulthood, middle adulthood, and late adulthood) and focuses on both normal and abnormal physical, mental health and social development. Emphasis on the interaction of biological, psychological and sociological forces that influence development. Limited to Professional Counseling majors.

PC-516   Counseling and Sexuality   Credits: 3
Term Offered: Fall Term
Course Type(s): None
Introduction to human sexuality and related issues that counselors may encounter in their work. Students will learn about normal and abnormal sexual functioning. Aims to desensitize students and provide introspection about diverse expression of sexuality; not designed to train students as sex therapists.

PC-517   Counseling and Religion   Credits: 3
Term Offered: Fall Term
Course Type(s): None
Counseling and Religion will explore the world religions with a focus on the religions as they function in the U.S. in a multi-cultural context. This will give the student a basic understanding and respect for religious differences when counseling clients who have different religious values than the counselor. A historical perspective on the relationship between psychology and religion will be traced to contemporary practice. The student will be given the opportunity to develop a theory of how he or she would like to integrate his or her knowledge into his or her work as a counselor. Limited to Professional Counseling majors.

PC-521   Spirituality and Counseling   Credits: 3
Term Offered: Spring Term
Course Type(s): None
Students are given a basic understanding of philosophical and practical ways to integrate existential, mystical, or other inexplicable issues into the counseling process. The student will look at different spiritual practices with a respectful, multicultural lens. Spiritual practices will be viewed as possible psychological techniques, pathology and/or cognitive distortions. The student will be given the opportunity to develop a personal spiritual theory of how he or she would like to integrate or not integrate, spirituality into his or her work as a counselor. Limited to Professional Counseling majors.

PC-522 Self-Exploration: Body, Mind, Spirit	**Credits: 3**
Term Offered: All Terms
Course Type(s): None
This experiential course will take the student through a self-exploration that will allow the student to explore the motivation, unconscious drives, anxieties, and spiritual and existential meaning that led him or her to be a counselor. It will explore many aspects of the personality, such as need for power/control and compassion, which will allow the student to become more fully aware. Limited to Professional Counseling majors.

PC-523 Introduction to Counseling Skills	**Credits: 3**
Term Offered: All Terms
Course Type(s): None
Designed for students to learn and practice interviewing and counseling skills, the intake interview process, suicide assessment, and how to conduct a mental status examination. Self-exploration and counselor self-development will also be addressed. Students who receive a grade below "B" must repeat the course.

PC-524 Counseling Children and Adolescents: Theories and Techniques	**Credits: 3**
Term Offered: All Terms
Course Type(s): None
An exploration of psychotherapeutic counseling theories and techniques used with children and adolescents within the developmental psychopathological framework. Focus on applications in counseling agencies as well as residential and educational settings. Limited to Professional Counseling majors.

PC-525 Theories of Counseling	**Credits: 3**
Term Offered: All Terms
Course Type(s): None
Upon completion of this course, students shall be able to demonstrate an understanding of core theoretical knowledge in counseling theories that provide the student with consistent models to conceptualize client presentations. Student experiences shall include an examination of the historical development of counseling theories. The course shall include an exploration of affective, behavioral, and cognitive theories. Students will also be exposed to models of counseling that are consistent with current professional research and practice in the field so that they can begin to develop a personal model of counseling. Limited to Professional Counseling majors.

PC-526 Case Conceptualization	**Credits: 3**
Prerequisite(s): PC-505, PC-512, PC-523, and PC-525
Term Offered: All Terms
Course Type(s): None
Allows students to put into practice all aspects of case conceptualization. Students will enter this class with the basic understanding of counseling theories, assessment, and psychopathology. Techniques and approaches for chosen theories, basic skills, and differential diagnosis will be reviewed and practiced. Students will develop an approach or style, based on known theory and technique. They will be able to identify how and why an intervention is chosen according to theory and knowledge in the field. Limited to Professional Counseling majors.

PC-528 Family Counseling: Theory and Technique	**Credits: 3**
Prerequisite(s): PC-525
Term Offered: All Terms
Course Type(s): None
Enables students to examine the historical development, theoretical foundations, and contemporary conceptual directions in the field of family counseling. Clinical concerns are interwoven with theoretical literature and counseling techniques. Limited to Professional Counseling majors.

PC-529 Multicultural Counseling	**Credits: 3**
Term Offered: All Terms
Course Type(s): None
Examines counseling theories and techniques as they relate to diversity in the client population. Limited to Professional Counseling majors.

PC-530 Crisis Intervention	**Credits: 3**
Term Offered: All Terms
Course Type(s): None
A review of crisis intervention theory and techniques, with a focus on the role of the counselor as part of the crisis intervention team. Students learn and practice counseling intervention skills for clients in crisis. Limited to Professional Counseling majors.

PC-532 Counseling for Grief and Loss	**Credits: 3**
Prerequisite(s): PC-525
Term Offered: All Terms
Course Type(s): None
Reviews the relevant knowledge and skill base needed to counsel individuals and families coping with a range of loss experiences including death, dying and bereavement. The grief process and factors relevant to work with grieving children, adolescents and adults are covered, and the assessment of complicated grief reactions and counselor's roles and tasks in facilitating the grief process are considered.

PC-533 Couples Counseling	**Credits: 3**
Prerequisite(s): PC-525
Term Offered: All Terms
Course Type(s): None
Students are provided with an overview of the historical development, theoretical framework, and conceptual directions in the field of marriage and couples counseling. Also provides students with methods of marital/couples assessment and counseling techniques related to various clinical issues that are often encountered in counseling settings. Limited to Professional Counseling majors.

PC-534 Wellness and Counseling	**Credits: 3**
Term Offered: Summer Term
Course Type(s): None
Exploration of the human condition from a strength-based wellness perspective, to further enhance counselor identity. Through self-exploration, hands-on experiences, and interactive discussions, students explore human motivation, unconscious drives, anxieties, aspects of personality, and spiritual and existential meaning within a wellness context. Allows students to become more aware of their own drives toward health and wellness and translate that understanding to the therapeutic relationship and counseling. Limited to Professional Counseling majors.

PC-535   Courageous Connections   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
An elective course designed to facilitate self-discovery, authenticity, and courageous dialogue in the classroom. Throughout the course, students will learn about research conducted by Dr. Brené Brown and consider its application to various client populations. Students are expected to continue to examine their own values and remain open to giving and receiving feedback to peers. Assignments will include a group facilitation experience, reflective journaling activities, and a research paper in which students will apply the concepts of Dr. Brown's research to a population of professional interest.

PC-540   Introduction to Alcohol and Drug Abuse   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
An overview of models of addiction: medical, socio-cultural, familial and psychological. Definitions and diagnostic implications; an overview of basic treatment approaches.

PC-542   Treatment of Alcohol and Drug Abuse   **Credits: 3**
Prerequisite(s): PC-540
Term Offered: All Terms
Course Type(s): None
An examination of various treatment models within the alcohol and drug treatment field. The basics of individual, group, family, and couples counseling with alcoholic and addicted patients. Provides specific counseling techniques. This course can be used toward the Substance Awareness Coordinator Certificate.

PC-544   Advanced Alcohol and Drug Counseling   **Credits: 3**
Prerequisite(s): PC-540 and PC-542
Term Offered: All Terms
Course Type(s): None
Covers advanced topics that are introduced in PC-542 and is therefore dedicated to addiction counselor skill building. Advanced topics include skill building in areas of counselor ethics, motivational interviewing and motivational enhancement skills, group counseling skills, community and professional skills, counseling skills needed to work effectively with individuals impacted by HIV/AIDS, and counseling skills needed to work with those impacted by gambling addictions and clinical supervision skills. Limited to Professional Counseling majors.

PC-545   Biological Foundations and Treatments of Psychological and Addictive Disorders   **Credits: 3**
Prerequisite(s): PC-512
Term Offered: All Terms
Course Type(s): None
An overview of biological and physiological foundations of mental and addictive disorders. Review of basic psychopharmacology, information regarding drug action, interactions, adverse reactions, tolerance, dependency, and withdrawal. Focus on biopsychosocial assessment and treatment.

PC-546   Substance Awareness in the Schools   **Credits: 3**
Prerequisite(s): PC-540
Term Offered: All Terms
Course Type(s): None
A comprehensive study of the role of the Substance Awareness Coordinator in the schools K-12. The areas that will be included for study will be a review of research-based awareness and prevention programs as related to Alcohol, Tobacco, and Other Drug (ATOD) as seen in the school systems. School law, regulations, and policies, as it relates to substance abuse in the schools, as well as how well/consistent it is followed based on the school culture and the dynamics in a particular district. Prevention and advocacy will be emphasized as a large part of the SAC position, as well as learning to work within the school culture. Curriculum planning and staff education and development in chemical health will be an essential part of the course. Negotiating the systems to maximize potential of the SAC position will be the main focus. Limited to Professional Counseling majors.

PC-550   Group Counseling   **Credits: 3**
Prerequisite(s): PC-505 and PC-523
Term Offered: All Terms
Course Type(s): None
Didactic and experiential course that introduces students to group dynamics and theories/techniques of group counseling. Didactic component reviews, group counseling theories/techniques, stages in group development, and salient characteristics of effective group facilitators. Experiential component facilitates understanding of one's own personality, biases and impact upon others in professional interactions. Legal and ethical issues relevant to group counseling are also examined. Limited to Professional Counseling majors.

PC-570   Career Counseling   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
The psychology of careers and career counseling is a cornerstone of the counseling profession and forms the historical basis of the profession's emphasis on normal development, decision-making, and assessment. Career theories, life-span development, and assessment instruments used in career counseling are reviewed. Recognizing the particular career issues of minorities and women, attention will be afforded to such trans-cultural issues. Limited to Professional Counseling majors.

PC-580   Animal Assisted Therapy   **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
An overview of Animal-Assisted Therapy (AAT), and its relevance as an alternative treatment modality for common psychological disorders. Information regarding the history and evolution of animal-assisted therapy in counseling, common therapeutic animals and techniques, ethical concerns when working with animals in therapy, and working with therapy animals with special populations.

PC-595   Professional Counseling Practicum   **Credits: 3**
Prerequisite(s): PC-505, PC-512, PC-525, PC-526, PC-540, and PC-550 all passed with a grade of C+ or higher and PC-523 passed with a grade of B or higher
Term Offered: All Terms
Course Type(s): None
Students integrate theory and practice in the counseling profession through an off-campus practicum. In addition to the requirement of 100 hours of supervised field service in an approved counseling agency, students also attend class each week which consists of group supervision. During class the students also review relevant professional, ethical and legal issues in counseling (for example assessment procedures, treatment planning, best empirically proven interventions, confidentiality, etc.) Limited to Professional Counseling majors who have completed at least twenty-seven graduate credits. Registration is by special application, requiring the signature of the advisor and the Field Placement Coordinator.

PC-598   Special Topics in Professional Counseling   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
The subject matter varies with the interest of the students and the professor teaching the course. The exact nature of the topic covered in any given semester is indicated in the student's transcript. Limited to Professional Counseling majors only. If a prerequisite is required it will be announced in the course schedule.

PC-599   Independent Study in Professional Counseling   **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
Reading and research leading to significant written work under the direction of a faculty member. Limited to Professional Counseling majors only. Prior permission of the directing professor and department chair is required to take this course.

PC-603   Research Methods in Counseling   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Reviewing the literature, problem hypothesis research, naturalistic observation, survey and interview procedures, and experimental methods are discussed. Limited to Professional Counseling majors.

PC-670   Clinical Supervision   **Credits: 3**
Prerequisite(s): PC-680
Term Offered: All Terms
Course Type(s): None
This course will provide students with theoretical and practical knowledge of clinical supervision models and methods. This course will explore supervisory roles, evaluation methods, research, legal and ethical issues and sociocultural issues in supervision. A portion of the course will involve providing supervision to practicum students. Supervision sessions will involve direct observation and/or recording and feedback on development of supervision competencies. The content areas required for the Approved Clinical Supervisor (ACS) credential are included in this course.

PC-672   Advanced Theory in Play Therapy   **Credits: 3**
Term Offered: All Terms
Course Type(s): OL
Provides an in-depth understanding of the history and theories of play therapy. Emphasis is placed on the understanding of the roles of therapists and parents through the play process. Diversity and multicultural considerations for theoretical perspectives are highlighted. Also listed as EDL-672 and SW-672.

PC-673   Advanced Techniques in Play Therapy   **Credits: 3**
Term Offered: All Terms
Course Type(s): HY
Provides students with the opportunity to develop techniques and methods of play therapy. Emphasis is placed on working with children, adolescents, and adults through individual, group, and family play therapy. Major topics include group play therapy, family play therapy, short-term play therapy, and sand tray/sand play therapy. Additionally, diversity and multicultural considerations are highlighted. Also listed as EDL-673 and SW-673.

PC-674   Play Therapy for Children at Risk   **Credits: 3**
Term Offered: All Terms
Course Type(s): OL
Focus is on play therapy with vulnerable and high-risk children. Emphasis on working with children, adolescents, and adults using play therapy in trauma and crisis situations are highlighted. Special attention is given to social issues that can lead to or exacerbate trauma or crisis. Also listed as EDL-674 and SW-674.

PC-675   Play Therapy Practicum Seminar I   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
First of a two-course sequence focusing on the application of the play therapy theories and techniques. Students will acquire experience using play therapy theories and techniques that can be used toward the requirements for RPT certification. Students will process the clinical experience of play with children and adolescents, with a review of advanced skills, assessment, and treatment planning during individual and group supervision in the university seminar through videotaped sessions and discussion. The therapeutic relationship is emphasized. Limited to Play Therapy (C.P.SW.PT.) program majors. Students cannot enroll in SW-676 or PC-676 at the same time. Also listed as SW-675. Prior permission of the C.P.SW.PT. Program Coordinator is required.

PC-676   Play Therapy Practicum Seminar II   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Second of a two-course sequence focusing on the application of the play therapy theories and techniques. Students will acquire experience using play therapy theories and techniques that can be used toward the requirements for RPT certification. Students will process the clinical experience of play with children and adolescents, with a review of advanced skills, assessment, and treatment planning during individual and group supervision in the university seminar through videotaped sessions and discussion. Legal and ethical issues, transference/countertransference, and working with parents/caregivers are emphasized. Limited to Play Therapy (C.P.SW.PT.) program majors. Students cannot enroll in SW-675 or PC-675 at the same time. Also listed as SW-676. P.SW.PT. Program Coordinator.

PC-680   Clinical Internship in Professional Counseling   Credits: 3
Prerequisite(s): PC-540, PC-595, the completion of thirty credits, and approval of the department
Term Offered: All Terms
Course Type(s): None
Designed to provide students intensive experience where they can integrate their academic learning during clinical experience. In addition to the requirement of 300 hours of supervised field service in an approved counseling agency, they also attend class each week. The weekly class consists of group supervision and a review of relevant professional, ethical and legal issues in counseling (for example assessment procedures, treatment planning, best empirically proven interventions, confidentiality, etc.). Limited to Professional Counseling majors who have completed at least thirty graduate credits. This is a pass/fail course. Registration is by special application, requiring the signature of the advisor and the Field Placement Coordinator.

M.A. in Addiction Studies

Code	Title	Credits
Requirements (33 credits)		
PC-505	Mental Health Counseling	3
PC-510	Community Mental Health	3
PC-512	Psychopathology	3
PC-525	Theories of Counseling	3
PC-530	Crisis Intervention	3
PC-550	Group Counseling	3
PC-540	Introduction to Alcohol and Drug Abuse	3
PC-542	Treatment of Alcohol and Drug Abuse	3
PC-544	Advanced Alcohol and Drug Counseling	3
PC-546	Substance Awareness in the Schools	3
PC-595	Professional Counseling Practicum	3
Total Credits		33

Admission Requirements

1. Possession of a baccalaureate degree with a 3.0 overall GPA.
2. Two completed Monmouth University Professional Counseling recommendation forms.
3. Twelve credits in Psychology or closely related field (including courses in personality theory, statistics, abnormal psychology, and research methods).
4. Narrative (four to five pages, double spaced) in response to the questions outlined on the Admission Application Essay Form (https://www.monmouth.edu/uploadedFiles/Content/University/admission/graduate/PCEssay.pdf).
5. Participation in a group interview.

M.S. Clinical Mental Health Counseling

Code	Title	Credits
PC-505	Mental Health Counseling	3
PC-506	Testing and Assessment in Counseling	3
PC-512	Psychopathology	3
PC-515	Human Development Through the Life Span	3
PC-523	Introduction to Counseling Skills	3
PC-525	Theories of Counseling	3
PC-529	Multicultural Counseling	3
PC-530	Crisis Intervention	3
PC-540	Introduction to Alcohol and Drug Abuse	3
PC-550	Group Counseling	3
PC-570	Career Counseling	3
PC-670	Clinical Supervision	3
Select one course from the list below:		3
PC-524	Counseling Children and Adolescents: Theories and Techniques	
PC-528	Family Counseling: Theory and Technique	
PC-532	Counseling for Grief and Loss	
PC-533	Couples Counseling	
PC-595	Professional Counseling Practicum	3
PC-603	Research Methods in Counseling	3
Clinical Internship		
PC-680	Clinical Internship in Professional Counseling	3
Clincial Internship course is taken twice		3
Electives (9)		
Select 9 credits from Psychological Counseling (PC) at the 500-600 level		9
PC-CPE	Professional Counseling Comprehensive Examination	0
Total Credits		60

Admission Requirements

1. Possession of a baccalaureate degree with a 3.0 overall GPA.
2. Two completed Monmouth University Professional Counseling recommendation forms.
3. Narrative (four to five pages, double spaced) in response to the questions outlined on the Admission Application Essay Form (https://www.monmouth.edu/uploadedFiles/Content/University/admission/graduate/PCEssay.pdf).
4. Participation in a group interview.

Graduate Certificate Professional Counseling

Code	Title	Credits
PC-505	Mental Health Counseling	3
or EDC-505	Counseling and Ethical Practice	
PC-525	Theories of Counseling	3
or EDC-530	Counseling Theory and Practice	
PC-512	Psychopathology	3
Select 9 Additional Credits from Psychological Counseling 500+ Level		9
Total Credits		18

Note:

Students enrolled in the 60-credit Master of Science in Clinical Mental Health Counseling are not eligible for this certificate; completion of said degree will lead to LPC eligibility.

Admission Requirements

1. Possession of a baccalaureate degree.
2. Current enrollment in a CACREP-accredited Master's program in Counseling or prior graduation from a CACREP-accredited Master's program in Counseling.
3. Cumulative GPA of at least 3.0 in the CACREP-accredited Master's degree in Counseling.

THE SCHOOL OF SCIENCE

Dean: Steven Bachrach, 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:

Master's Degree Programs
- Computer Science (p. 109),
- Information Systems (p. 109), and
- Software Engineering (p. 109).

Undergraduate Degree Programs
- Biology (http://catalog.monmouth.edu/undergraduate-catalog/science/biology/),
- Chemistry (http://catalog.monmouth.edu/undergraduate-catalog/science/chemistry-physics/),
- Computer Science (http://catalog.monmouth.edu/undergraduate-catalog/science/computer-science-software-engineering/),
- Marine and Environmental Biology and Policy (http://catalog.monmouth.edu/undergraduate-catalog/science/biology/marine-environmental-biology-policy-bs/),
- Mathematics (http://catalog.monmouth.edu/undergraduate-catalog/science/mathematics/),
- Medical Laboratory Science (http://catalog.monmouth.edu/undergraduate-catalog/science/medical-laboratory-sciences-clinical-laboratory-sciences/),
- Clinical Laboratory Sciences (http://catalog.monmouth.edu/undergraduate-catalog/science/medical-laboratory-sciences-clinical-laboratory-sciences/),
- Software Engineering (http://catalog.monmouth.edu/undergraduate-catalog/science/computer-science-software-engineering/)

Undergraduate Certificates
- Information Technology (http://catalog.monmouth.edu/undergraduate-catalog/science/computer-science-software-engineering/information-technology-certificate/)

Minors
- Biology (http://catalog.monmouth.edu/undergraduate-catalog/science/biology/biology-minor/),
- Chemistry (http://catalog.monmouth.edu/undergraduate-catalog/science/chemistry-physics/chemistry-minor/),
- Computer Science (http://catalog.monmouth.edu/undergraduate-catalog/science/computer-science-software-engineering/computer-science-minor/),
- Environmental Biology (http://catalog.monmouth.edu/undergraduate-catalog/science/biology/environmental-biology-minor/),
- Global Sustainability (http://catalog.monmouth.edu/undergraduate-catalog/science/biology/global-sustainability-minor/),
- Information Technology (http://catalog.monmouth.edu/undergraduate-catalog/science/computer-science-software-engineering/information-technology-minor/),
- Mathematics (http://catalog.monmouth.edu/undergraduate-catalog/science/mathematics/mathematics-minor/),
- Statistics (http://catalog.monmouth.edu/undergraduate-catalog/science/mathematics/statistics-minor/),
- Physics (http://catalog.monmouth.edu/undergraduate-catalog/science/physics/physics-minor/)

Concentrations
- Molecular Cell Physiology (http://catalog.monmouth.edu/undergraduate-catalog/science/biology/biology-bs-concentration-molecular-cell-physiology/),
- Advanced Chemistry (http://catalog.monmouth.edu/undergraduate-catalog/science/chemistry-physics/chemistry-bs-concentration-advanced-chemistry-acs-approved/),
- Biochemistry (http://catalog.monmouth.edu/undergraduate-catalog/science/chemistry-physics/chemistry-bs-concentration-biochemistry/),
- Medical Laboratory Science (http://catalog.monmouth.edu/undergraduate-catalog/science/medical-laboratory-sciences-clinical-laboratory-sciences/clinical-laboratory-sciences-bs-concentration-medical-laboratory-science/),
- Statistics (http://catalog.monmouth.edu/undergraduate-catalog/science/mathematics/mathematics-bs-concentration-statistics/)

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 and biochemistry 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.

Computer Science and Software Engineering

Chair: Daniela Rosca, Department of Computer Science and Software Engineering

UNIX Administrator and Teacher: Joseph Chung

Master of Science in Computer Science (M.S.C.S.)

The Master of Science in Computer Science provides a broad background in graduate-level computer science study. The thirty- to forty two-credit program allows the student to choose a thesis option or a non-thesis option. Students may also choose to specialize in Computer Networks, Databases and Intelligent Information Systems, or Security of Computer Systems and Networks. When the applicant has a strong background in computer science, such as a bachelor's degree in computer science with excellent standing, up to twelve credits (CS-501B Program Development (3 cr.)-CS-505 Operating Systems Concepts (3 cr.)) may be waived. Other majors may be required to take some or all of these courses. These foundation courses must be completed with a minimum GPA of 3.0, and all prerequisite courses must be passed with a grade of "B-" or better.

Master of Science in Information Systems (M.S.I.S.)

The M.S.I.S. is a unique degree program that educates students about how to apply computing technology to business programs. With courses offered through the School of Science and the Leon Hess Business School, the M.S.I.S. prepares students for employment in the Information Technology (IT) sector at a management level. The program benefits are:

- Focus on the technology or management side of information systems by choosing one of two distinct tracks;
- Become an effective team member, including teams that are international and geographically distributed;
- Excel at project management and management and improve business decision-making;
- Learn how to reconcile conflicting project objectives;
- Be eligible to apply for positions such as business systems analyst, software project manager, software requirements developer, information technology operations manager, and customer support specialist.

The M.S.I.S. also allows students to gain **full and thorough** training in information systems, which can be used as a basis for pursuing certifications such as the Certified Information Systems Security Professional (CISSP), Project Management Professional (PMP), and the Certified Software Development Professional (CSDP).

Master of Science in Software Engineering (M.S.S.E.)

Monmouth University was one of the first institutions in the United States to recognize the newly emerging discipline of Software Engineering by establishing a separate department to specialize in this strategic engineering discipline. The Department of Computer Science and Software Engineering offers a Master of Science Degree in Software Engineering.

The objective of the master's degree program is for the student to master the necessary skills and knowledge that allow him or her to be an effective member of a software development team. The program's educational objectives are to prepare students so that upon graduation they will:

1. Show mastery of the software engineering knowledge and skills and professional issues necessary to practice as a software engineer in a variety of application domains with demonstrated performance in at least one application domain;
2. Understand the relationship between software engineering and systems engineering and be able to apply systems engineering principles and practices in the engineering of software;
3. Show mastery of software engineering in at least one specialty, such as networked software systems, information systems, real-time systems, or software systems security.
4. Work effectively as part of a team, including teams that may be international and geographically distributed, to develop quality software artifacts, and to lead in one area of project development, such as project management, requirements analysis, architecture, construction, or quality assurance;
5. Reconcile conflicting project objectives, finding acceptable compromises within limitations of cost, time, knowledge, existing systems, and organizations;
6. Design appropriate software engineering solutions that address ethical, social, legal, and economic concerns;
7. Understand and appreciate the importance of feasibility analysis, negotiation, effective work habits, leadership, and good communication with stakeholders in a typical software development environment;
8. Learn new models, techniques, and technologies as they emerge, and appreciate the necessity of such continuing professional development;
9. Analyze a current significant software technology, be able to articulate its strengths and weaknesses, and be able to specify and promote improvements or extensions to that knowledge.

Classes are scheduled to support working professionals and many of our students are from New Jersey's premier software industries. The department offers the entire program at the main campus of Monmouth University. The Master of Science in Software Engineering degree is a thirty-credit curriculum, with four core courses, four advanced elective courses, and a six-credit thesis or practicum. The core courses provide the student with the foundations of modern software engineering. When the applicant has a background other than computer science or software engineering, up to twelve credits of foundation courses may be required before registering for the core courses. These foundation courses must be passed with a grade of "B-" or better. Students can opt for writing a thesis or participating in a group practicum for two semesters as their capstone experience before graduation.

For students who have already completed a bachelor's degree in software engineering, the department offers an advanced track, which gives students the opportunity to earn a master's degree after completion of a thirty-credit curriculum. In addition, students may choose between two paths within this track, the thesis or non-thesis option. If students choose the thesis option, they will complete the core courses, research and write a thesis over two semesters, and choose and complete two pairs of advanced elective courses. Students who choose the non-thesis option will complete the core courses and choose and complete three pairs of

advanced elective courses. Finally, all students will take one advanced elective course from the list of non-paired courses.

Programs
Masters

- M.S. in Computer Science, Thesis Track (p. 120)
- M.S. in Computer Science, Non-Thesis Track (p. 120)
- M.S. in Computer Science, Computer Networks, Thesis Track (p. 119)
- M.S. in Computer Science, Computer Networks, Non-Thesis Track (p. 119)
- M.S. in Computer Science, Databases and Intelligent Information Systems, Thesis Track (p. 120)
- M.S. in Computer Science, Databases and Intelligent Information Systems, Non-Thesis Track (p. 119)
- M.S. in Computer Science, Security of Computer Systems and Networks, Thesis Track (p. 121)
- M.S. in Computer Science, Security of Computer Systems and Networks, Non-Thesis Track (p. 121)
- M.S. in Information Systems, Management Track, Thesis Track (p. 125)
- M.S. in Information Systems, Management Track, Non-Thesis Track (p. 124)
- M.S. in Information Systems, Technology Track, Thesis Track (p. 126)
- M.S. in Information Systems, Technology Track, Non-Thesis Track (p. 125)
- M.S. in Software Engineering, Thesis Track (p. 124)
- M.S. in Software Engineering, Non-Thesis Track (p. 123)
- M.S. in Software Engineering, Advanced Thesis Track (p. 122)
- M.S. in Software Engineering, Advanced Non-Thesis Track (p. 122)

Faculty

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Courses

CS-501A   Computer Programming Essentials   **Credits: 3**
Term Offered: All Terms
Course Type(s): TPS
An introduction in computer programming for newly admitted graduate students. Students will learn basic concepts in modern computer programming. Students will complete all the programming exercises and assignments in the modern objected-oriented language.

CS-501B   Program Development   **Credits: 3**
Prerequisite(s): CS-501A passed with a grade of B- or higher
Term Offered: All Terms
Course Type(s): None
Continuation at the coverage of the same modern object-oriented language introduced in CS-501A. More advanced object-oriented design, including inheritance and polymorphism.

CS-502   Theoretical Foundations of Computer Science   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Concepts, methods, models, and associated computer exercises for important topics in discrete mathematics and probability. Includes: logic and mathematical reasoning, functions, sets, summations, asymptotic notation, algorithms and complexity, number theory, cryptography, matrix algebra, induction and recursion, counting techniques, combinatorial objects, discrete structures, discrete probability theory, relations, graph theory, moments, random variables, and graph algorithms. Limited to Computer Science majors.

CS-503   Data Structures and Algorithms   **Credits: 3**
Prerequisite(s): CS-501B passed with a grade of B- or higher
Term Offered: All Terms
Course Type(s): None
Design and implementation of fundamental data structures and algorithms, including: linked lists, hashing, sorting, trees, stacks, queues, sets and bags, and recursion. Application to problem solving and object-oriented design of moderate-sized programs.

CS-505   Operating Systems Concepts   **Credits: 3**
Prerequisite(s): CS-503 passed with a grade of B- or higher
Term Offered: All Terms
Course Type(s): None
The basic concepts of operating systems from the point of view of an advanced user: the interaction of the kernel, the command interpreter, and user processes. Focus is on process and resource management, concurrency control, and inter-process communication. Examples and projects are based mainly on Unix. The course also includes an introduction to computer architecture from an operating-systems perspective (processors, devices, interrupts, clocks, etc.).

CS-509   Advanced Object-Oriented Programming and Design   Credits: 3
Prerequisite(s): CS-501B passed with a grade of B- or higher
Term Offered: Fall Term
Course Type(s): None
Object-oriented programming and design, using a language different from that used in CS 501B. Used in classes, inheritance, polymorphism, and libraries.

CS-512   Algorithm Design   Credits: 3
Prerequisite(s): CS-502 and CS-503 both passed with a grade of B- or higher
Term Offered: Spring Term
Course Type(s): CISEL
Design and analysis of algorithms; dependence of algorithm efficiency on data structure choice; correctness of algorithm implementation and basic design techniques and their applications to programming with fundamental data structures.

CS-514   Networks   Credits: 3
Term Offered: All Terms
Course Type(s): CISEL
An introductory-level course on the hierarchy of networking software and hardware. Particular emphasis on medium Access Control, Network layer, Transport layer, and Session layer. Several MAC-layer protocols, TCP/IP. Also listed as MIS-514.

CS-517   Database Design and Management   Credits: 3
Prerequisite(s): CS-503 passed with a grade of B or higher
Term Offered: All Terms
Course Type(s): CISEL
Introduction to database systems, data modeling, design theory and methodologies, query languages and query processing. Coverage of relational database model and design, normalization process, SQL, hands-on database design and application development. Also listed as MIS-517.

CS-518   Fundamentals of Computer Security and Cryptography
Credits: 3
Prerequisite(s): CS-514 or MIS-514 passed with a grade of B- or higher
Term Offered: Fall Term
Course Type(s): CISEL
An introduction to computer security and its related issues, including cryptography. It covers threats assessment, security policies, basic cryptography, security mechanisms, and assurance. Also includes several case studies on enhancing the security level of specific systems by integrating different security mechanisms and techniques. Both theoretical and practical issues are addressed in the course. Students who successfully complete this course will be capable of assessing the threats, enhancing the security, and evaluating the assurance level of specific computer systems.

CS-520   Introduction to Intelligent Systems   Credits: 3
Prerequisite(s): CS-502 and CS-503 both passed with a grade of B- or higher
Term Offered: All Terms
Course Type(s): CISEL
Introduction to methods and algorithms used to incorporate intelligence into computer programs. Topics include search techniques, representation and reasoning, and machine learning. Applications of these methods are stressed. Also covers implementation of some of the fundamental algorithms.

CS-521   Artificial Intelligence   Credits: 3
Prerequisite(s): CS-503 and CS-520 both passed with a grade of B- or higher
Term Offered: All Terms
Course Type(s): None
Basic and advanced methods in symbolic and quantitative artificial intelligence through Lisp programming techniques. Current issues concerning rule-based vs. statistical methods via applications.

CS-522   Knowledge Fusion   Credits: 3
Prerequisite(s): CS-517 or CS-520 passed with a grade of B- or higher.
Term Offered: Summer Term
Course Type(s): None
Coverage of the fundamental techniques for integrating information from heterogeneous sources to obtain actionable knowledge. The sources of information include databases, files, and Web pages. Covered techniques include both those based upon logic and also approaches based on probabilistic reasoning.

CS-525   Simulation   Credits: 3
Prerequisite(s): CS-502, CS-503, and CS-514 all passed with a grade of B- or higher
Term Offered: Spring Term
Course Type(s): None
Formal models of discrete event systems, computer simulation of models, and analysis of simulation results. Discrete event simulation is applied to studying the performance of computer and communication systems. Object-oriented design and programming in C++.

CS-529   Web Services and .NET   Credits: 3
Prerequisite(s): CS-503 passed with a grade of B- or higher
Term Offered: Spring Term
Course Type(s): CISEL
Introduction to Web services. Theoretical and practical coverage of client-server architecture, communication protocols, and messaging, including XML and SOAP transactions. .NET Framework architecture is used for the applications. We contrast with other platforms, e.g., Java-based Web services. Students implement Web services and simple clients on PCs or mobile devices.

CS-532   Compiler Design   Credits: 3
Prerequisite(s): CS-512 passed with a grade of B- or higher
Term Offered: All Terms
Course Type(s): CISEL
The major techniques used in compiler writing, lexical analysis, syntax analysis, storage management, error detection and recovery, and code generation. Tools for compiler writing (LEX, YACC, etc.).

CS-533   Database System Implementation   Credits: 3
Prerequisite(s): CS-502 and CS-503 both passed with a grade of B- or higher
Term Offered: Fall Term
Course Type(s): CISEL
DBMS architecture, data storage and indexing, query processing and optimization, transaction management and recovery, and some issues related to advanced database applications.

CS-535   Telecommunications   Credits: 3
Prerequisite(s): CS-502, CS-505, and CS-514 all passed with a grade of B- or higher
Term Offered: Fall Term
Course Type(s): None
In-depth coverage of the lower layers of the network hierarchy: Physical layer, Data Link layer, Network layer, and Transport layer.

CS-536   File Management and Query Strategies   **Credits: 3**
Prerequisite(s): CS-503 passed with a grade of B or higher
Term Offered: Summer Term
Course Type(s): None
Addresses data storage and organization, file management principles, and query processing and applications. Students will gain hands-on experience in file processing and application development.

CS-550   Computer System Architecture   **Credits: 3**
Prerequisite(s): CS-502 and CS-503 both passed with a grade of B- or higher
Term Offered: All Terms
Course Type(s): None
Computer system interconnection structures, central processing unit, control unit, microprogrammed control, memory organization, cache and virtual memory, computer arithmetic, RISC processors, introduction to parallel processing, and case studies.

CS-588   Computer Science Practice and Experiences   **Credits: 1**
Prerequisite(s): 18 credits in Computer Science or Software Engineering
Term Offered: All Terms
Course Type(s): None
Provides opportunity for Computer Science graduate students to obtain related experience in employment at a local company or institution with Monmouth University sponsorship. Available to Computer Science graduate students who have completed at least eighteen credit hours of graduate courses (500 level), with a minimum GPA of 3.00. Does not satisfy elective requirements. Students may take the course a maximum of two times. This is a pass/fail course. Departmental approval is required to take this course.

CS-598   Special Topics in Computer Science   **Credits: 3**
Prerequisite(s): CS-520 and CS-503 both passed with a grade of B- or higher
Term Offered: All Terms
Course Type(s): CISEL
Subject matter varies with the interest of the students and of the professor teaching the course. The exact nature of the topic covered in any given semester is indicated in the student's transcript.

CS-599   Independent Study in Computer Science   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Independent study in a topic not substantially treated in a regular graduate course, for students with superior ability; weekly consultation. Prior permission of directing professor and the graduate program director is required to take this course. This course can only be taken once for credit. Completion of all foundation and core courses and a minimum G.P.A. of 3.50 is required to take this course.

CS-611   Secure Web Services Design   **Credits: 3**
Prerequisite(s): CS-501B passed with a grade of B- or higher
Term Offered: Spring Term
Course Type(s): CISEL
Web applications present a complex set of security issues for architects, designers, and developers. The most secure and hack-resilient Web applications are those that have been built from the ground up with security in mind. This course focuses on principles of secure Web applications design. Topics include threats and counter measures, security in Web service frameworks, session control, access control, and data protection. Also listed as SE-611.

CS-618   Data Mining   **Credits: 3**
Prerequisite(s): CS--517 and CS-520 both passed with a grade of B- or higher
Term Offered: Spring Term
Course Type(s): CISEL
An introduction to the fundamental concepts, algorithms, and techniques of data mining. Topics include: data preprocessing, classification algorithms and techniques, anomaly detection, and the design of data warehousing and OLAP systems.

CS-625   Internet Crawler   **Credits: 3**
Prerequisite(s): CS-529 passed with a grade of B- or higher
Term Offered: All Terms
Course Type(s): CISEL
In-depth coverage of the crawler component of modern search engines. Examination of the architecture of crawlers; algorithms for visitation, retrieval and processing of Web pages, and link analysis (e.g., PageRank computation). Coverage of ethical and legal issues of customized Web robots. Students build automatic Internet crawlers.

CS-628   Security of E-Systems and Networks   **Credits: 3**
Prerequisite(s): CS-518 passed with a grade of B- or higher
Term Offered: All Terms
Course Type(s): CISEL
The fundamental techniques in security of e-based Systems and Computer Networks. E-based systems are ubiquitous in the modern world with applications spanning e-commerce, e-government, e-services, Virtual Private Networks (VPNs), health care, and government organizations. Deals with the fundamental concepts and tools of security of e-based systems and computer networks and its range of applications. The topics to be covered include: authentication of users, system integrity, confidentiality of communication, availability of business service, non-repudiation of transactions, public key cryptosystems, authentication and digital signature, e-security tools such as Public Key Infrastructure (PKI) systems, biometric-based security systems, trust management systems in communication networks, intrusion detection systems, protecting against malware, and computer network security risk management. Intended for graduate students in computer science, software engineering, and electrical engineering who have some background in computer networks and fundamentals of computer security.

CS-635   Wireless Network Systems and Security   **Credits: 3**
Prerequisite(s): CS-514 passed with a grade of B- or higher
Term Offered: All Terms
Course Type(s): CISEL
Fundamental techniques in the design, operation, performance evaluation, and security of wireless network systems. Among the topics covered are first, second, third, and fourth generation wireless systems, cellular wireless networks, medium access techniques, physical layer, protocols (AMPS, IS-95, IS-136, GSM, GPRS, EDGE, WCDMA, cdma2000, etc.), fixed wireless systems, personal area networks (PANs) including Bluetooth and Home RF systems, wireless local area network(WLAN) technologies, architectures, protocols, and standards, and advanced topics. Security of WLANs, wireless sensor networks (WSNs), cellular systems, and Bluetooth and Home RF networks will be dealt with as well. Intended for graduate students in computer science, software engineering, and electrical engineering who have some background in computer networks.

CS-661   Computer Science Advanced Project   **Credits: 3**
Term Offered: All Terms
Course Type(s): CISEL
A challenging project, such as the development of a large, complex program, done under the supervision of a faculty member.

CS-691   Computer Science Thesis I   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Independent investigation of special topics reflecting the research interests of the sponsoring professor. Provides students with an opportunity to do extended relevant research in collaboration with, or under the supervision of, a faculty member. Sequential registration of one or more credits is required until successful completion. (Minimum of six credits must be accumulated.) Completion of all foundation and core courses and departmental approval is required to take this course.

CS-692   Computer Science Thesis II   **Credits: 3**
Prerequisite(s): CS-691
Term Offered: All Terms
Course Type(s): None
Independent investigation of special topics reflecting the research interests of the sponsoring professor. Provides students with an opportunity to do extended relevant research in collaboration with, or under the supervision of, a faculty member. Sequential registration of one or more credits is required until successful completion. (Minimum of six credits must be accumulated.)

CS-698   Advanced Special Topics   **Credits: 3**
Prerequisite(s): CS-503 passed with a grade of B- or higher or as announced in the course schedule
Term Offered: All Terms
Course Type(s): CISEL
The advanced subject matter varies with the interest of the students and of the professor. The full syllabus for a specific offering will be filed with the STE and Graduate School Deans when it is scheduled. The exact nature of the topic covered in any given semester is indicated in the student's transcript.

CS-699   Independent Study in Computer Science   **Credits: 3**
Term Offered: All Terms
Course Type(s): CISEL
Independent study of a subject not substantially treated in a regular graduate course. Designed for students with superior abilities who, with guidance and direction from the supervising faculty member, can master a new subject. (Limited to students who have not yet taken CS-699.) A minimum G.P.A. of 3.50, completion of all foundation and core courses and departmental approval are required to take the course.

MIS-514   Networks   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
An introductory-level course on the hierarchy of networking software and hardware. Particular emphasis on Medium Access Control, Network layer, Transport layer, and Session layer. Several MAC-layer protocols, TCP/IP. Also listed as CS-514.

MIS-517   Database Design and Management   **Credits: 3**
Prerequisite(s): CS-503 passed with a grade of B or higher
Term Offered: All Terms
Course Type(s): None
Introduction to database systems, data modeling, design theory and methodologies, query languages and query processing. Coverage of relational database model and design, normalization process, SQL, hands-on database design and application development. Also listed as CS-517.

MIS-525   Information System Architecture   **Credits: 3**
Prerequisite(s): MIS-565 or SE-565
Term Offered: All Terms
Course Type(s): None
Serves as an introduction to information systems architecture. The topics covered deal with an introduction to database systems, data models, the relational database model, the entity relation model, normalization, advanced data modeling, SQL, database design, transactions, performance, distributed database systems, and data warehouses. For MSIS students only. Also listed as SE-625.

MIS-550   Software Project Management   **Credits: 3**
Prerequisite(s): SE-505
Term Offered: Fall Term
Course Type(s): None
Project Management techniques and their application to the management of software projects. How to develop a software development plan and its associated tasks, milestones and deliverables. Software project scheduling and the establishment of relationships among the different tasks. Tasks, dependencies and conflict resolution. Resource management and allocation. Software project cost estimation. Algorithmic models for estimating costs: the COCOMO model and its derivatives. Risk assessment and its impact in the planning and scheduling of software projects. Software project measurement and tracking. Comparative review of software tools for software project management. Software configuration management and its importance in the management of large software projects. For MSIS students only. Also listed as SE-650.

MIS-551   Software Organization Management   **Credits: 3**
Prerequisite(s): SE-505
Term Offered: Spring Term
Course Type(s): None
Management issues regarding the software process. Authority and delegation. Leadership and leadership paradigms. Software team management organization, staffing and evaluation. Organizational alternatives. Centralized vs. decentralized organizations. Managing design, development and testing teams. Managing software support organizations. Strategies for staffing: minimal vs. redundant staffing. Combining generalists and specialists to achieve an optimal staff configuration. Staff development and growth. Fostering professional growth within the organization. Evaluation strategies and techniques. Compensation and reward issues. For MSIS students only. Also listed as SE-651.

MIS-565   Software System Requirements   **Credits: 3**
Prerequisite(s): CS-501A, SE-505, and SE-511
Term Offered: All Terms
Course Type(s): None
Students will learn advanced methods in software systems requirements. Ideally, these methods should be applied at the system, enterprise or global levels of software development. Methods in requirements elicitation, modeling of enterprises, prioritization and negotiation of requirements will be emphasized. Methods for including COTS into system applications and product families will be introduced. By the end of the course, students will master the standard documentation of system requirements. Many opportunities for hands-on experience with requirement tools will be provided throughout the course. For MSIS students only.

MIS-575   Software Verification, Validation and Maintenance   Credits: 3
Prerequisite(s): CS-501A and SE-505
Term Offered: Fall Term
Course Type(s): None
Explores the techniques employed to insure quality in a software product developed in a controlled and disciplined environment. Detailed examination of software testing and inspection principles and methodologies. Provides specific methods for test case selection and inspection development leading to optimization of resource management in the software environment. For MSIS students only.

MIS-588   Information Systems Practice and Experience   Credits: 1
Term Offered: Summer Term
Course Type(s): None
Provides opportunity for international Information Systems graduate students on an F1 student visa to obtain related experience via employment at a local company or institution, with Monmouth University sponsorship. Available only to Information Systems graduate students who have completed at least 18 credit hours of graduate courses (500-600 level), with a minimum G.P.A. of 3.00. This course does not satisfy elective requirements. Students may take this course a maximum of two times. Limited to MSIS students on an F1 Student Visa. This is a pass/fail course.

MIS-623   Management Information Systems   Credits: 3
Term Offered: All Terms
Course Type(s): None
A survey of the concepts of management information systems and the information needs of management. A user-oriented introduction to the fundamentals of information systems and their integration into business organizations. Also listed as SE-623. Not open to students who have successfully completed BM-520.

MIS-691   Management Information System Thesis I   Credits: 3
Prerequisite(s): BM-520, MIS-525, MIS-565 and either MIS-517 and MIS-514 and MIS-575 or BM-565 and MIS-550 and MIS-551
Term Offered: Fall Term
Course Type(s): None
First semester of independent research in management information systems, spanning a period of two consecutive semesters in an area not substantially covered in a regular course offering, under the supervision of a faculty member. A formal thesis is required. An oral defense of the thesis before a committee of two faculty members who teach MIS courses, plus the advising professor is required. Depending on the topic, a reviewer from outside the program faculty may be asked to serve as a committee member. For MSIS students only.

MIS-692   Management Information System Thesis II   Credits: 3
Prerequisite(s): MIS-691
Term Offered: Spring Term
Course Type(s): None
Second semester of independent research in management information systems, spanning a period of two consecutive semesters in an area not substantially covered in a regular course offering, under the supervision of a software engineering faculty member. A formal thesis is required. An oral defense of the thesis before a committee of two faculty members who teach MIS courses, plus the advising professor is required. Depending on the topic, a reviewer from outside the program faculty may be asked to serve as a committee member. For MSIS students only.

MIS-695A   Management Information System Practicum I   Credits: 3
Prerequisite(s): BM-520 or MIS-623 and MIS-525 and MIS-565
Term Offered: All Terms
Course Type(s): None
A two-semester course sequence with major emphasis on a hands-on, team-oriented software development project. Students will be asked to form groups of three to five persons, which will work as a team whose purpose will be propose, plan, develop and market a software product. The teamwork exercise will be accompanied by readings, lectures and seminar discussions on economics, organizational behavior and management, managerial and financial accounting, finance, marketing, quantitative business modeling, electronic commerce, logistics, ethics, law and social responsibility. For MSIS students only.

MIS-695B   Management Information System Practicum II   Credits: 3
Prerequisite(s): MIS-695A
Term Offered: All Terms
Course Type(s): None
A two-semester course sequence with major emphasis on a hands-on, team-oriented software development project. Students will be asked to form groups of three to five persons, which will work as a team whose purpose will be to propose, plan, develop and market a software product. The teamwork exercise will be accompanied by readings, lectures and seminar discussions on economics, organizational behavior and management, managerial and financial accounting, finance, marketing, quantitative business modeling, electronic commerce, logistics, ethics, law and social responsibility. For MSIS students only.

MIS-699   Individual Research Project in Management Information Systems   Credits: 1-3
Course Type(s): None
The development and execution of a significant research project designed by the student in consultation with a Management Information Systems professor. An experience meant to focus learning on an area of special interest to the student. Prior permission of the directing professor and department chair is required to take this course.

SE-505   Principles of Software Engineering   Credits: 1.5
Term Offered: All Terms
Course Type(s): None
Basic introduction to software engineering. Justification that software engineering is an engineering discipline. The two main components of the software engineering discipline- the software product and software process-will be discussed in detail. For design and verification, there will be a focus on traditional Structured-Analysis method. Limited to Software Engineering students only.

SE-511   Object-Oriented Analysis   Credits: 1.5
Prerequisite(s): SE-505 passed with a grade of B- or higher
Term Offered: All Terms
Course Type(s): CISEL
Introduces the development of the requirements and analysis model for a software application. Uses object-oriented methodologies. This is not a programming course. Limited to Software Engineering students only.

SE-512   Object-Oriented Design   Credits: 1.5
Prerequisite(s): SE-511 passed with a grade of B- or higher
Term Offered: Spring Term
Course Type(s): CISEL
Introduces the design of a software application. Uses object-oriented methodologies. This is not a programming course. Limited to Software Engineering majors only.

SE-517   Engineering Web-Based Systems   **Credits: 3**
Prerequisite(s): CS-501A
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. The course emphasizes on architectural designs, and language and data access methods that are common in web-based systems.

SE-565   Software System Requirements   **Credits: 3**
Prerequisite(s): CS-501A, SE-505, and SE-511
Term Offered: All Terms
Course Type(s): CISEL
Students will learn advanced methods in software system requirements. Ideally, these methods should be applied at the system, enterprise or global levels of software development. Methods in requirements elicitation, modeling of enterprises, prioritization and negotiation of requirements will be emphasized. Methods for including Commercial Off-the Shelf (COTS) system applications and product families will be introduced. By the end of the course, students will master the standard documentation of system requirements. Many opportunities for hands-on experience with requirements tools will be provided throughout the course.

SE-571   Software Design and Systems Architecture   **Credits: 1.5**
Prerequisite(s): SE-565
Term Offered: Spring Term
Course Type(s): CISEL
Introduces software application design and system architecture in terms of the design process, design principles, design notations, design tools, design heuristics, and design patterns. Covers application and system design in detail concentrating on developing designs that are complete, correct, robust, implementable, and deployable. Limited to Software Engineering students only.

SE-572   Enterprise and Global Architecture   **Credits: 1.5**
Prerequisite(s): SE-571
Term Offered: All Terms
Course Type(s): CISEL
Introduces architectural design at the Enterprise and Global Architectural levels. Provides students with an understanding of how new systems are brought into an organization to interoperate with an existing system, how systems are maintained throughout their lifecycle, and how systems are retired at the end of their lifecycle. Also provides students with an understanding of how the computing capabilities of a company fits into the larger scope of the Internet. Limited to Software Engineering students only.

SE-575   Software Verification, Validation and Maintenance   **Credits: 3**
Prerequisite(s): CS-501A and SE-505
Term Offered: Fall Term
Course Type(s): None
Covers software verification, validation and maintenance. The first half of the course includes inspections of requirements, design and code as well as testing. The second half addresses the handling of change requests, software evolution, code comprehension, and change management. It will include hands-on experience with a change management system and an automated testing tool.

SE-580   The Process of Engineering Software   **Credits: 3**
Prerequisite(s): CS-503 and SE-505
Term Offered: Spring Term
Course Type(s): None
Students will learn how to define, apply and improve a software process. The basic components of a software process will be introduced, as well as the most influential process models. Students will experiment with both plan-based and agile methods of software development. The need for continuous process quality assessment and improvement will be described. Models such as CMM, ISO9001 will be introduced as reference models for organizations process models.

SE-588   Software Practice and Experience   **Credits: 1**
Prerequisite(s): 18 credits from Computer Science or Software Engineering
Term Offered: All Terms
Course Type(s): None
Provides opportunity for Software Engineering graduate students to obtain related experience in employment at a local company or institution, with Monmouth University sponsorship. Available to Software Engineering graduate students who have completed at least eighteen credit hours of graduate courses (500-level), with a minimum G.P.A. of 3.00. Does not satisfy elective requirements. Students may take this course a maximum of two times. This is a pass/fail course.

SE-599   Independent Study in Software Engineering   **Credits: 1-3**
Prerequisite(s): Completion of at least 12 credits in Software Engineering
Term Offered: All Terms
Course Type(s): None
The development and execution of a significant research project designed by the student in consultation with a software engineering professor. This is an experience meant to focus learning on an area of special interest to the student. Prior permission of the directing professor and department chair is required to take this course.

SE-601   Outsourcing: Specifications and Strategies   **Credits: 3**
Prerequisite(s): SE-565 and SE-571
Term Offered: Fall Term
Course Type(s): None
Covers issues associated with outsourcing software development in a fashion that assures delivery of acceptable products. The emphasis is on basic factors that determine the effectiveness of outsourcing, strategies for minimizing risk, project tracking, contract-specified breakpoints, and requirements.

SE-602   Technology Assessment   **Credits: 3**
Prerequisite(s): SE-565 and SE-571
Term Offered: All Terms
Course Type(s): None
Covers the practicalities of assessing a technology for use in delivery of products. It examines how new tools, processes, and training fit into an overall technology-adoption decision.

SE-603   MOST Implementation   **Credits: 3**
Prerequisite(s): SE-565 and SE-571
Term Offered: Spring Term
Course Type(s): None
A practical application of MOST concepts by following the process of adopting a new technology and putting the appropriate elements into an organization. Focuses on technology assessment, cost, scheduling, training, and project management.

SE-610   Software Systems Security   **Credits: 3**
Prerequisite(s): SE-505
Term Offered: Fall Term
Course Type(s): None
Threats, vulnerabilities, and attacks to network- based systems, Heuristic procedures for breaking systems. UNIX and Internet case studies. Security modeling techniques including Bell-Lapadula, Biba, and Clark-Wilson. Composition of non-deducibility and noninterference security. Safeguard techniques including cryptographic protocols, online auditing and intrusion detection, access control, Internet firewalls, authentication, security kernel design, and trusted software development. Case studies in database security and secure network design.

SE-611   Secure Web Services Design   **Credits: 3**
Prerequisite(s): SE-565
Term Offered: All Terms
Course Type(s): None
Web applications present a complex set of security issues for architects, designers, and developers. The most secure and hack-resilient Web applications are those that have been built from the ground up with security in mind. This course focuses on principles of secure Web applications design. Topics include threats and counter measures, security in Web service frameworks, session control, access control, and data protection. Also listed as CS-611.

SE-615   Usability Engineering/Human-Computer Interaction   **Credits: 3**
Prerequisite(s): SE-565
Term Offered: Spring Term
Course Type(s): None
Explores the requirements analysis, design and evaluation of the Computer User Interface in the context of Software Engineering Processes. Specific methods and design problems will be illustrated with real-world examples in information technology, the Internet, communications, mobility, multimedia, and speech technologies. Prepares students to perform usability tasks directly or to successfully manage and collaborate with usability experts.

SE-616   Extensible Markup Language (XML)   **Credits: 3**
Prerequisite(s): CS-501B
Term Offered: Summer Term
Course Type(s): None
Presents XML fundamental concepts, XML as a document format, XML as a data format, and special topics in using XML.

SE-620   Networked Software Systems I   **Credits: 3**
Prerequisite(s): SE-565 and SE-571
Term Offered: Fall Term
Course Type(s): None
Network Computing Models, Concepts and Requirement specification; Techniques for Interprocess Communication; Message Passing; Remote Procedures Calls; Directory Service; Synchronization; Task Partition and Allocation; Threads; Security and Authentication; Time Management.

SE-621   Networked Software Systems II   **Credits: 3**
Prerequisite(s): SE-620
Term Offered: Spring Term
Course Type(s): None
Distributed File Systems, Replication, Shared Data, Transactions, Distributed Operating Systems, Micro Kernels, Network Operating Systems, Computing Environments and Toolkits: ONC, DCE, ISIS, Languages.

SE-623   Management Information Systems   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
A survey of the concepts of management information systems and the information needs of management. A user-oriented introduction of the fundamentals of information systems and their integration into business organizations. Also listed as MIS-623. Not open to students who have successfully completed BM-520.

SE-625   Information Systems Architecture   **Credits: 3**
Prerequisite(s): SE-565 or MIS-565
Term Offered: Fall Term
Course Type(s): None
Theoretical and practical issues related to the modeling and design of information systems to support medium to large organizations. The Target Architecture and its roles in building enterprise-wide information systems. Operational, warehouse, departmental, and individual-level data. Data modeling levels and associated constructs: Entity-Relationship Diagrams, Data Item Sets, Physical Data Models. Process modeling levels and associated constructs: Functional decomposition, Context diagrams, Data Flow Diagrams, State transition Diagrams, HIPO charts, Pseudo-code and programming specs. Relationship with Object-based modeling. Also listed as MIS-525.

SE-626   Information Systems Engineering   **Credits: 3**
Prerequisite(s): SE-625
Term Offered: Spring Term
Course Type(s): None
Theoretical and practical issues related to the implementation of information systems to support medium to large organizations. Databases within the Target Architecture and their role in building enterprise-wide information systems. Logical vs. Physical database design. Transaction Processing (TPS) and Decision Support Systems (DSS): similarities and differences. Knowledge-based systems. Implementation issues; reliability, integrity, security, performance, scalability and maintainability. Review of existing commercial tools and environments for building, using and maintaining Information Systems for the enterprise.

SE-630   Real Time Software Analysis and Specification   **Credits: 3**
Prerequisite(s): CS-503 and SE-505
Term Offered: Fall Term
Course Type(s): None
Scheduling policies and mechanisms. Classification of Real-Time Systems: hard, soft; uniprocessor, multiprocessor, distributed. Kernels and executives. Real-time programming languages and their tasking systems. Real-Time distributed systems; processor and communication scheduling domains, priority inversions and mappings, global time synchronization. Real-Time Structured Analysis (TTSA), CASE tools for RTSA, Real-Time Object Oriented Analysis methods. Comparison to RTSA. Prototyping real-time software systems. Using prototype tools like CAPS (Computer Aided Prototyping System) to establish and validate system requirements. For Software Engineering majors only.

SE-631   Real-Time Software Design and Implementation   **Credits: 3**
Prerequisite(s): SE-630
Term Offered: Spring Term
Course Type(s): None
Criteria and trade-off for partitioning the functions of a real-time system among the hardware, firmware, and software. The interfaces of a real-time system to the external environments such as sensors and actuators. Designing real-time systems: structured and object-oriented methods. Case studies and comparison between the two. Design verification and validation. Implementation of Real-Time Systems. Development environments and tools: Simulators, Emulators and Debuggers. Testing Real-Time systems. Test coverage and regression testing. Special approaches for Real-Time software testing. Engineering and organizational issues in real-time software development. Performance testing and its importance in real-time systems.

SE-650   Software Project Management   **Credits: 3**
Prerequisite(s): SE-505
Term Offered: Fall Term
Course Type(s): None
Project management techniques and their application to the management of software projects. How to develop a software development plan and its associated tasks, milestones and deliverables. Software project scheduling and the establishment of relationships among the different tasks. Tasks, dependencies and conflict resolution. Resource management and allocation. Software project cost estimation. Algorithmic models for estimating costs: the COCOMO model and its derivatives. Risk assessment and its impact in the planning and scheduling of software projects. Software project measurement and tracking. Comparative review of software tools for software project management. Software configuration management and its importance in the management of large software projects. Also listed as MIS-550. For Software Engineering students only.

SE-651   Software Organization Management   **Credits: 3**
Prerequisite(s): SE-505
Term Offered: Spring Term
Course Type(s): None
Management issues regarding the software process. Authority and delegation. Leadership and leadership paradigms. Software Team management: organization, staffing and valuation, organizational alternatives. Centralized vs. Decentralized organizations. Managing design, development and testing teams. Managing software support organizations. Strategies for staffing: minimal vs. redundant staffing. Combining generalists and specialists to achieve an optimal staff configuration. Staff development and growth. Fostering professional growth within the organization. Evaluation strategies and techniques. Compensation and reward issues. Also listed as MIS-551.

SE-691   Software Engineering Thesis Research   **Credits: 3**
Prerequisite(s): SE-565, SE-571, and SE-580
Term Offered: All Terms
Course Type(s): None
Independent research in software engineering, spanning a period of two consecutive semesters in an area not substantially covered in a regular course offering, under the supervision of a software engineering faculty member. A formal thesis is required. An oral defense of the thesis before a committee of two faculty members, plus the advising professor is required. Depending on the topic, a reviewer from outside the software engineering department may be asked to serve as a committee member. Limited to Software Engineering majors.

SE-692   Software Engineering Thesis Research   **Credits: 3**
Prerequisite(s): SE-691 and prior permission of the advising professor
Term Offered: All Terms
Course Type(s): None
Independent research in software engineering, spanning a period of two consecutive semesters in an area not substantially covered in a regular course offering, under the supervision of a software engineering faculty member. A formal thesis is required. An oral defense of the thesis before a committee of two faculty members, plus the advising professor is required. Depending on the topic, a reviewer from outside the software engineering department may be asked to serve as a committee member. Limited to Software Engineering majors.

SE-695A   Software Engineering Practicum   **Credits: 3**
Prerequisite(s): SE-565, SE-571, and SE-580
Term Offered: All Terms
Course Type(s): None
A two-semester course sequence with major emphasis on hands-on, team-oriented large software development projects. Students will be asked to form groups of three to five persons, who will work as a software team whose purpose will be to develop a software product. The particular product will be chosen through negotiation with the instructor. Teams will operate in accordance with a well-defined set of policies and procedures (documented in an SE Handbook) that governs the entire development process. This document process addresses work products, roles, activities, entry and exit criteria, reviews and audits, documented procedures, and training. The practicum will also include the use of a set of approved tools. Additional software project management topics such as planning, estimation, and tracking will be covered. Project management techniques and their application to the management of software projects. How to define a software development plan, its associated tasks, milestones, and deliverables. Software project scheduling and the establishment of relationships among the different tasks. Task dependencies and conflict resolution. Resource management and allocation. Software project cost estimation. Algorithmic models for estimating costs: the COCOMO model and its derivatives. Risk assessment and its impact in the planning and scheduling of software projects. Software project measurement and tracking. Comparative review of software tools for software project management. Software configuration management and its importance in the management of large software projects. The students will be asked to serve in team roles, hold oral reviews, and prepare documentation appropriate to their project. Students in the class will participate in the reviews of other teams in the class. At the end of the second semester, each team will give a formal presentation on the project. Limited to Software Engineering majors.

SE-695B   Software Engineering Practicum   **Credits: 3**
Prerequisite(s): SE-695A
Term Offered: All Terms
Course Type(s): None
A two-semester course sequence with major emphasis on hands-
on, team-oriented large software development projects. Students will
be asked to form groups of three to five persons, who will work as a
software team whose purpose will be to develop a software product.
The particular product will be chosen through negotiation with the
instructor. Teams will operate in accordance with a well-defined set of
policies and procedures (documented in an SE handbook) that governs
the entire development process. This documented process addresses
work products, roles, activities, entry and exit criteria, reviews and
audits, documented procedures, and training. The practicum will also
include the use of a set of approved tools. Additional software project
management topics such as planning, estimation, and tracking will be
covered. Project management techniques and their application to the
management of software projects. How to define a software development
plan, its associated tasks, milestones, and deliverables. Software project
scheduling and the establishment of relationships among the different
tasks. Task dependencies and conflict resolution. Resource management
and allocation. Software project cost estimation. Algorithmic models
for estimating costs: the COCOMO model and its derivatives. Risk
assessment and its impact in the planning and scheduling of software
projects. Software project measurement and tracking. Comparative
review of software tools for software project management. Software
configuration management and its importance in the management of
a large software project. Students will be asked to serve in team roles,
hold oral reviews, and prepare documentation appropriate to their project.
Students will participate in the reviews of other teams in the class. At the
end of the second semester, each team will give a formal presentation on
the project. Limited to Software Engineering majors.

SE-698   Special Topics in Software Engineering   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
The subject matter varies with the interest of the students and of the
professor teaching the course. The exact nature of the topic covered in
any given semester is indicated in the student's transcript. Approval of
the department is required to take this course. If a prerequisite is required
it will be announced in the course schedule.

SE-699 Individual Research Project in Software Engineering   Credits: 3
Term Offered: All Terms
Course Type(s): None
The development and execution of a significant research project
designed by the student in consultation with a software engineering
professor. An experience meant to focus learning on an area of special
interest to the student. Prior permission of the directing professor and
department chair is required to take this course.

M.S. in Computer Science, Computer Networks, Non-Thesis Track

Code	Title	Credits
Foundation Requirements (12 credits) [1]		
CS-501B	Program Development	3
CS-502	Theoretical Foundations of Computer Science	3
CS-503	Data Structures and Algorithms	3
CS-505	Operating Systems Concepts	3
Program Requirement (30 credits)		
CS-512	Algorithm Design	3
CS-514	Networks	3
CS-517	Database Design and Management	3
CS-520	Introduction to Intelligent Systems	3
CS-535	Telecommunications	3
CS-635	Wireless Network Systems and Security	3
CS-525	Simulation	3
Select 9 credits Designated with Course*Type CISEL		9
Total Credits		42

[1]   *Up to 12 credits may be waived upon evaluation or prior academic preparation*

Admission Requirements

1. Possession of a baccalaureate degree with a minimum 2.75 overall GPA and a 3.0 in the undergraduate major, preferably in the sciences or engineering.
2. Two letters of recommendation.
3. Two semesters of Calculus (I and II) with grades of "C" or better.
4. Two semesters of computer programming courses within the past five years (equivalent to Monmouth's CS-175 Introduction to Computer Science I (3 cr.), CS-175L Introduction to Computer Science I lab (1 cr.)and CS-176 Introduction to Computer Science II (3 cr.), CS-176L Introduction to Computer Science II Lab (1 cr.)) at a recognized institution with a grade of "B" or better. Applicants not meeting these requirements for programming experience may be required to take CS-501A Computer Programming Essentials (3 cr.) or its equivalent.

M.S. in Computer Science, Computer Networks, Thesis Track

Code	Title	Credits
Foundation Requirements (12 credits) [1]		
CS-501B	Program Development	3
CS-502	Theoretical Foundations of Computer Science	3
CS-503	Data Structures and Algorithms	3
CS-505	Operating Systems Concepts	3
Program Requirement (30 credits)		
CS-512	Algorithm Design	3
CS-514	Networks	3
CS-517	Database Design and Management	3
CS-520	Introduction to Intelligent Systems	3
CS-535	Telecommunications	3
CS-635	Wireless Network Systems and Security	3
Select 6 credits Designated with Course*Type CISEL		6
CS-691	Computer Science Thesis I	3
CS-692	Computer Science Thesis II	3
Total Credits		42

[1]   *Up to 12 credits may be waived upon evaluation or prior academic preparation*

Admission Requirements

1. Possession of a baccalaureate degree with a minimum 2.75 overall GPA and a 3.0 in the undergraduate major, preferably in the sciences or engineering.
2. Two letters of recommendation.
3. Two semesters of Calculus (I and II) with grades of "C" or better.
4. Two semesters of computer programming courses within the past five years (equivalent to Monmouth's CS-175 Introduction to Computer Science I (3 cr.), CS-175L Introduction to Computer Science I lab (1 cr.) and CS-176 Introduction to Computer Science II (3 cr.), CS-176L Introduction to Computer Science II Lab (1 cr.)) at a recognized institution with a grade of "B" or better. Applicants not meeting these requirements for programming experience may be required to take CS-501A Computer Programming Essentials (3 cr.) or its equivalent.

M.S. in Computer Science, Databases and Intelligent Information Systems, Non-Thesis Track

Code	Title	Credits
Foundation Requirements (12 credits) [1]		
CS-501B	Program Development	3
CS-502	Theoretical Foundations of Computer Science	3
CS-503	Data Structures and Algorithms	3
CS-505	Operating Systems Concepts	3
Program Requirement (30 credits)		
CS-512	Algorithm Design	3
CS-514	Networks	3
CS-517	Database Design and Management	3
CS-520	Introduction to Intelligent Systems	3
CS-533	Database System Implementation	3
Select two of the following:		6
CS-521	Artificial Intelligence	
CS-529	Web Services and .NET	
CS-618	Data Mining	
CS-625	Internet Crawler	
Select 6 credits Designated with Course*Type CISEL		6
Select 3 credits from 600+ level		3
Total Credits		42

[1] *Up to 12 credits may be waived upon evaluation or prior academic preparation*

Admission Requirements

1. Possession of a baccalaureate degree with a minimum 2.75 overall GPA and a 3.0 in the undergraduate major, preferably in the sciences or engineering.
2. Two letters of recommendation.
3. Two semesters of Calculus (I and II) with grades of "C" or better.
4. Two semesters of computer programming courses within the past five years (equivalent to Monmouth's CS-175 Introduction to Computer Science I (3 cr.), CS-175L Introduction to Computer Science I lab (1 cr.) and CS-176 Introduction to Computer Science II (3 cr.), CS-176L Introduction to Computer Science II Lab (1 cr.)) at a recognized institution with a grade of "B" or better. Applicants not meeting these requirements for programming experience may be required to take CS-501A Computer Programming Essentials (3 cr.) or its equivalent.

M.S. in Computer Science, Databases and Intelligent Information Systems, Thesis Track

Code	Title	Credits
Foundation Requirements (12 credits) [1]		
CS-501B	Program Development	3
CS-502	Theoretical Foundations of Computer Science	3
CS-503	Data Structures and Algorithms	3
CS-505	Operating Systems Concepts	3
Program Requirement (30 credits)		
CS-512	Algorithm Design	3
CS-514	Networks	3
CS-517	Database Design and Management	3
CS-520	Introduction to Intelligent Systems	3
Select two of the following:		6
CS-521	Artificial Intelligence	
CS-529	Web Services and .NET	
CS-533	Database System Implementation	
CS-618	Data Mining	
CS-625	Internet Crawler	
Select 6 credits Designated with Course*Type CISEL		6
CS-691	Computer Science Thesis I	3
CS-692	Computer Science Thesis II	3
Total Credits		42

[1] *Up to 12 credits may be waived upon evaluation or prior academic preparation*

Admission Requirements

1. Possession of a baccalaureate degree with a minimum 2.75 overall GPA and a 3.0 in the undergraduate major, preferably in the sciences or engineering.
2. Two letters of recommendation.
3. Two semesters of Calculus (I and II) with grades of "C" or better.
4. Two semesters of computer programming courses within the past five years (equivalent to Monmouth's CS-175 Introduction to Computer Science I (3 cr.), CS-175L Introduction to Computer Science I lab (1 cr.) and CS-176 Introduction to Computer Science II (3 cr.), CS-176L Introduction to Computer Science II Lab (1 cr.)) at a recognized institution with a grade of "B" or better. Applicants not meeting these requirements for programming experience may be required to take CS-501A Computer Programming Essentials (3 cr.) or its equivalent.

M.S. in Computer Science, Non-Thesis Track

Code	Title	Credits
Foundation Requirements (12 credits) [1]		
CS-501B	Program Development	3
CS-502	Theoretical Foundations of Computer Science	3
CS-503	Data Structures and Algorithms	3
CS-505	Operating Systems Concepts	3
Program Requirements (30 credits)		
CS-512	Algorithm Design	3
CS-514	Networks	3
CS-517	Database Design and Management	3
CS-520	Introduction to Intelligent Systems	3
Select 12 credits Designated with Course*Type CISEL		12
Select 6 credits from 600+ level Computer Science (CS) courses		6
Total Credits		42

[1] *Up to 12 credits may be waived upon evaluation or prior academic preparation*

Admission Requirements

1. Possession of a baccalaureate degree with a minimum 2.75 overall GPA and a 3.0 in the undergraduate major, preferably in the sciences or engineering.
2. Two letters of recommendation.
3. Two semesters of Calculus (I and II) with grades of "C" or better.
4. Two semesters of computer programming courses within the past five years (equivalent to Monmouth's CS-175 Introduction to Computer Science I (3 cr.), CS-175L Introduction to Computer Science I lab (1 cr.) and CS-176 Introduction to Computer Science II (3 cr.), CS-176L Introduction to Computer Science II Lab (1 cr.)) at a recognized institution with a grade of "B" or better. Applicants not meeting these requirements for programming experience may be required to take CS-501A Computer Programming Essentials (3 cr.) or its equivalent.

M.S. in Computer Science, Thesis Track

Code	Title	Credits
Foundation Requirements (12 credits) [1]		
CS-501B	Program Development	3

CS-502	Theoretical Foundations of Computer Science	3
CS-503	Data Structures and Algorithms	3
CS-505	Operating Systems Concepts	3
Program Requirements (30 credits)		
CS-512	Algorithm Design	3
CS-514	Networks	3
CS-517	Database Design and Management	3
CS-520	Introduction to Intelligent Systems	3
Select 12 credits designated with the Course*Type CISEL		12
CS-691	Computer Science Thesis I	3
CS-692	Computer Science Thesis II	3
Total Credits		42

[1]   Up to 12 credits may be waived upon evaluation of prior academic preparation.

Admission Requirements

1. Possession of a baccalaureate degree with a minimum 2.75 overall GPA and a 3.0 in the undergraduate major, preferably in the sciences or engineering.
2. Two letters of recommendation.
3. Two semesters of Calculus (I and II) with grades of "C" or better.
4. Two semesters of computer programming courses within the past five years (equivalent to Monmouth's CS-175 Introduction to Computer Science I (3 cr.), CS-175L Introduction to Computer Science I lab (1 cr.) and CS-176 Introduction to Computer Science II (3 cr.), CS-176L Introduction to Computer Science II Lab (1 cr.)) at a recognized institution with a grade of "B" or better. Applicants not meeting these requirements for programming experience may be required to take CS-501A Computer Programming Essentials (3 cr.) or its equivalent.

M.S. in Computer Science, Security of Computer Systems and Networks, Non-Thesis Track

Code	Title	Credits
Foundation Requirements (12 credits) [1]		
CS-501B	Program Development	3
CS-502	Theoretical Foundations of Computer Science	3
CS-503	Data Structures and Algorithms	3
CS-505	Operating Systems Concepts	3
Program Requirements (30 credits)		
CS-512	Algorithm Design	3
CS-514	Networks	3
CS-517	Database Design and Management	3
CS-518	Fundamentals of Computer Security and Cryptography	3
CS-520	Introduction to Intelligent Systems	3
CS-611	Secure Web Services Design	3

Select 12 Credits from courses designated with Course*Type CISEL		12
Total Credits		42

[1]   *Up to 12 credits may be waived upon evaluation of prior academic preparation.*

Admission Requirements

1. Possession of a baccalaureate degree with a minimum 2.75 overall GPA and a 3.0 in the undergraduate major, preferably in the sciences or engineering.
2. Two letters of recommendation.
3. Two semesters of Calculus (I and II) with grades of "C" or better.
4. Two semesters of computer programming courses within the past five years (equivalent to Monmouth's CS-175 Introduction to Computer Science I (3 cr.), CS-175L Introduction to Computer Science I lab (1 cr.) and CS-176 Introduction to Computer Science II (3 cr.), CS-176L Introduction to Computer Science II Lab (1 cr.)) at a recognized institution with a grade of "B" or better. Applicants not meeting these requirements for programming experience may be required to take CS-501A Computer Programming Essentials (3 cr.) or its equivalent.

M.S. in Computer Science, Security of Computer Systems and Networks, Thesis Track

Code	Title	Credits
Foundation Requirements (12 credits) [1]		
CS-501B	Program Development	3
CS-502	Theoretical Foundations of Computer Science	3
CS-503	Data Structures and Algorithms	3
CS-505	Operating Systems Concepts	3
Program Requirements (30 credits)		
CS-512	Algorithm Design	3
CS-514	Networks	3
CS-517	Database Design and Management	3
CS-518	Fundamentals of Computer Security and Cryptography	3
CS-520	Introduction to Intelligent Systems	3
CS-611	Secure Web Services Design	3
Select 6 credits designated with Course*Type CISEL		6
CS-691	Computer Science Thesis I	3
CS-692	Computer Science Thesis II	3
Total Credits		42

[1]   *Up to 12 credits may be waived upon evaluation or prior academic preparation.*

Admission Requirements

1. Possession of a baccalaureate degree with a minimum 2.75 overall GPA and a 3.0 in the undergraduate major, preferably in the sciences or engineering.
2. Two letters of recommendation.

3. Two semesters of Calculus (I and II) with grades of "C" or better.

4. Two semesters of computer programming courses within the past five years (equivalent to Monmouth's CS-175 Introduction to Computer Science I (3 cr.), CS-175L Introduction to Computer Science I lab (1 cr.)and CS-176 Introduction to Computer Science II (3 cr.), CS-176L Introduction to Computer Science II Lab (1 cr.)) at a recognized institution with a grade of "B" or better. Applicants not meeting these requirements for programming experience may be required to take CS-501A Computer Programming Essentials (3 cr.) or its equivalent.

M.S. in Software Engineering, Advanced Non-Thesis Track

Code	Title	Credits
Requirements (27 credits)		
Core Courses		
SE-571	Software Design and Systems Architecture	1.5
SE-572	Enterprise and Global Architecture	1.5
SE-580	The Process of Engineering Software	3
SE-610	Software Systems Security	3
Guided Electives		
Select THREE SETS of guided electives from the following:		18
SE-601 & SE-602	Outsourcing: Specifications and Strategies and Technology Assessment	
SE-620 & SE-621	Networked Software Systems I and Networked Software Systems II	
SE-625 & SE-626	Information Systems Architecture and Information Systems Engineering	
SE-630 & SE-631	Real Time Software Analysis and Specification and Real-Time Software Design and Implementation	
SE-650 & SE-651	Software Project Management and Software Organization Management	
Electives (3 credits)		
Select one of the following:		3
SE-601	Outsourcing: Specifications and Strategies	
SE-602	Technology Assessment	
SE-603	MOST Implementation	
SE-611	Secure Web Services Design	
SE-615	Usability Engineering/Human-Computer Interaction	
SE-616	Extensible Markup Language (XML)	
SE-620	Networked Software Systems I	
SE-625	Information Systems Architecture	
SE-626	Information Systems Engineering	
SE-630	Real Time Software Analysis and Specification	
SE-631	Real-Time Software Design and Implementation	
SE-650	Software Project Management	
SE-651	Software Organization Management	
Software Engineering 600-Level Special Topics Class		
Software Engineering 600-Level Independent Study		
CS-514	Networks	
CS-517	Database Design and Management	
CS-533	Database System Implementation	
BM-565	Management of Technology	
Total Credits		30

Note

- This track is open only to students with an undergraduate degree in Software Engineering.

Admission Requirements

1. Possession of a baccalaureate degree in software engineering, computer science, computer engineering, or another engineering-related discipline with a 2.75 overall GPA and a 3.0 GPA in the undergraduate major. Candidates whose major is not computer science or a related field may be admitted on a case-by-case basis.

2. Demonstrate completed course work in computer programming, data structures and algorithms, operating systems, discrete mathematics, and software engineering. Applicants who have not completed course work in these areas will be required to complete preparatory/foundation courses as necessary. (Only foundation coursework will be applied towards the MS degree.) Students must earn a grade of "B-" or better in each of these courses.

3. Thesis track students must hold a bachelor's degree in software engineering from a college or university accredited by its regional accrediting agency.

M.S. in Software Engineering, Advanced Thesis Track

Code	Title	Credits
Requirements (21 credits)		
Core Courses		
SE-571	Software Design and Systems Architecture	1.5
SE-572	Enterprise and Global Architecture	1.5
SE-580	The Process of Engineering Software	3
SE-610	Software Systems Security	3
Guided Electives		
Select TWO SETS of guided electives from the following:		12
SE-601 & SE-602	Outsourcing: Specifications and Strategies and Technology Assessment	
SE-620 & SE-621	Networked Software Systems I and Networked Software Systems II	
SE-625 & SE-626	Information Systems Architecture and Information Systems Engineering	
SE-630 & SE-631	Real Time Software Analysis and Specification and Real-Time Software Design and Implementation	
SE-650 & SE-651	Software Project Management and Software Organization Management	
Electives (3 credits)		
Select one of the following:		3
SE-601	Outsourcing: Specifications and Strategies	

SE-602	Technology Assessment	
SE-603	MOST Implementation	
SE-611	Secure Web Services Design	
SE-615	Usability Engineering/Human-Computer Interaction	
SE-616	Extensible Markup Language (XML)	
SE-620	Networked Software Systems I	
SE-625	Information Systems Architecture	
SE-626	Information Systems Engineering	
SE-630	Real Time Software Analysis and Specification	
SE-631	Real-Time Software Design and Implementation	
SE-650	Software Project Management	
SE-651	Software Organization Management	
Software Engineering 600-Level Special Topics Class		
Software Engineering 600-Level Independent Study		
CS-514	Networks	
CS-517	Database Design and Management	
CS-533	Database System Implementation	
BM-565	Management of Technology	
Two Semester Thesis (6 credits)		
SE-691	Software Engineering Thesis Research	3
SE-692	Software Engineering Thesis Research	3
Total Credits		30

Note

- This track is open only to students with an undergraduate degree in Software Engineering.

Admission Requirements

1. Possession of a baccalaureate degree in software engineering, computer science, computer engineering, or another engineering-related discipline with a 2.75 overall GPA and a 3.0 GPA in the undergraduate major. Candidates whose major is not computer science or a related field may be admitted on a case-by-case basis.

2. Demonstrate completed course work in computer programming, data structures and algorithms, operating systems, discrete mathematics, and software engineering. Applicants who have not completed course work in these areas will be required to complete preparatory/foundation courses as necessary. (Only foundation coursework will be applied towards the MS degree.) Students must earn a grade of "B-" or better in each of these courses.

3. Thesis track students must hold a bachelor's degree in software engineering from a college or university accredited by its regional accrediting agency.

M.S. in Software Engineering, Non-Thesis Track

Code	Title	Credits
Requirements (22.5 credits)		
Foundation Courses [1]		
CS-501B	Program Development	3
CS-503	Data Structures and Algorithms	3

SE-505	Principles of Software Engineering	1.5
SE-511	Object-Oriented Analysis	1.5
SE-512	Object-Oriented Design	1.5
Core Courses		
SE-565	Software System Requirements	3
SE-571	Software Design and Systems Architecture	1.5
SE-572	Enterprise and Global Architecture	1.5
SE-575	Software Verification, Validation and Maintenance	3
SE-580	The Process of Engineering Software	3
Electives (12 credits)		
Select four of the following:		12
SE-601	Outsourcing: Specifications and Strategies	
SE-602	Technology Assessment	
SE-603	MOST Implementation	
SE-610	Software Systems Security	
SE-611	Secure Web Services Design	
SE-615	Usability Engineering/Human-Computer Interaction	
SE-616	Extensible Markup Language (XML)	
SE-620	Networked Software Systems I	
SE-621	Networked Software Systems II	
SE-625	Information Systems Architecture	
SE-626	Information Systems Engineering	
SE-630	Real Time Software Analysis and Specification	
SE-631	Real-Time Software Design and Implementation	
SE-650	Software Project Management	
SE-651	Software Organization Management	
Software Engineering 600-Level Independent Study		
CS-514	Networks	
CS-517	Database Design and Management	
Practicum (6 credits)		
SE-695A	Software Engineering Practicum	3
SE-695B	Software Engineering Practicum	3
Total Credits		40.5

[1] *Up to 10.5 credits of Foundation Courses may be waived upon evaluation of prior academic preparation in Computer Science and Software Engineering*

Admission Requirements

1. Possession of a baccalaureate degree in software engineering, computer science, computer engineering, or another engineering-related discipline with a 2.75 overall GPA and a 3.0 GPA in the undergraduate major. Candidates whose major is not computer science or a related field may be admitted on a case-by-case basis.

2. Demonstrate completed course work in computer programming, data structures and algorithms, operating systems, discrete mathematics, and software engineering. Applicants who have not completed course work in these areas will be required to complete preparatory/foundation courses as necessary. (Only foundation coursework will be applied towards the MS degree.) Students must earn a grade of "B-" or better in each of these courses.

3. Thesis track students must hold a bachelor's degree in software engineering from a college or university accredited by its regional accrediting agency.

M.S. in Software Engineering, Thesis Track

Code	Title	Credits
Requirements (22.5 credits)		
Foundation Courses [1]		
CS-501B	Program Development	3
CS-503	Data Structures and Algorithms	3
SE-505	Principles of Software Engineering	1.5
SE-511	Object-Oriented Analysis	1.5
SE-512	Object-Oriented Design	1.5
Core Courses		
SE-565	Software System Requirements	3
SE-571	Software Design and Systems Architecture	1.5
SE-572	Enterprise and Global Architecture	1.5
SE-575	Software Verification, Validation and Maintenance	3
SE-580	The Process of Engineering Software	3
Electives (12 credits)		
Select four of the following:		12
SE-601	Outsourcing: Specifications and Strategies	
SE-602	Technology Assessment	
SE-603	MOST Implementation	
SE-610	Software Systems Security	
SE-611	Secure Web Services Design	
SE-615	Usability Engineering/Human-Computer Interaction	
SE-616	Extensible Markup Language (XML)	
SE-620	Networked Software Systems I	
SE-621	Networked Software Systems II	
SE-625	Information Systems Architecture	
SE-626	Information Systems Engineering	
SE-630	Real Time Software Analysis and Specification	
SE-631	Real-Time Software Design and Implementation	
SE-650	Software Project Management	
SE-651	Software Organization Management	
CS-514	Networks	
Software Engineering 600-Level Independent Study		
CS-517	Database Design and Management	
Thesis (6 credits)		
SE-691	Software Engineering Thesis Research	3
SE-692	Software Engineering Thesis Research	3
Total Credits		40.5

[1]   *Up to 10.5 credits of Foundation Courses may be waived upon evaluation of prior academic preparation in Computer Science and Software Engineering*

Admission Requirements

1. Possession of a baccalaureate degree in software engineering, computer science, computer engineering, or another engineering-related discipline with a 2.75 overall GPA and a 3.0 GPA in the undergraduate major. Candidates whose major is not computer science or a related field may be admitted on a case-by-case basis.

2. Demonstrate completed course work in computer programming, data structures and algorithms, operating systems, discrete mathematics, and software engineering. Applicants who have not completed course work in these areas will be required to complete preparatory/foundation courses as necessary. (Only foundation coursework will be applied towards the MS degree.) Students must earn a grade of "B-" or better in each of these courses.

3. Thesis track students must hold a bachelor's degree in software engineering from a college or university accredited by its regional accrediting agency.

M.S. Information Systems, Management Track, Non-Thesis Track

Code	Title	Credits
Foundation Requirements (13.5 credits) [1]		
CS-501A	Computer Programming Essentials	3
BM-517	Introduction to Management	1.5
SE-505	Principles of Software Engineering	1.5
SE-511	Object-Oriented Analysis	1.5
BA-513	Financial Accounting	1.5
BA-514	Managerial Accounting	1.5
BE-511	Microeconomics	1.5
BE-512	Macroeconomics	1.5
Program Requirements (24 credits)		
MIS-623	Management Information Systems	3
MIS-565	Software System Requirement	3
MIS-525	Information System Architecture	3
SE-603	MOST Implementation	3
MIS-550	Software Project Management	3
MIS-551	Software Organization Management	3
Select two of the following:		6
BK-520	Foundations of Marketing Management	
BL-631	Legal Environment of Business	
BM-635	Human Resource and Organizational Development	
CS-518	Fundamentals of Computer Security and Cryptography	
CS-628	Security of E-Systems and Networks	
SE-602	Technology Assessment	
SE-615	Usability Engineering/Human-Computer Interaction	
MIS-514	Networks	
MIS-575	Software Verification, Validation and Maintenance	
Practicum (6 credits)		

Code	Title	Credits
MIS-695A	Management Information System Practicum I	3
MIS-695B	Management Information System Practicum II	3
Total Credits		43.5

[1] *Up to 13.5 credits may be waived upon evaluation of prior academic preparation*

Admission Requirements

1. Possession of a baccalaureate degree with a minimum 2.75 overall GPA and a 3.0 GPA in the major. Candidates should have an undergraduate degree in computer science, software engineering, information technology, information science, or business administration or majored in a field that requires a substantial component of software development and/or business administration.
2. Applicants to the Technology track must have completed courses equivalent to Program Development I and II, Introduction to Management, Principles of Software Engineering, and Data Structures and Algorithms.
3. Applicants to the Management track must have completed courses equivalent to Program Development I, Introduction to Management, Principles of Software Engineering, Financial Accounting, and Microeconomics and Macroeconomics.
4. Applicants who have not completed one or more of these courses will be evaluated on a case by case basis. They may be required to complete foundation courses.

M.S. in Information Systems, Management Track, Thesis Track

Code	Title	Credits
Foundation Requirements (13.5 credits) [1]		
CS-501A	Computer Programming Essentials	3
BM-517	Introduction to Management	1.5
SE-505	Principles of Software Engineering	1.5
SE-511	Object-Oriented Analysis	1.5
BA-513	Financial Accounting	1.5
BA-514	Managerial Accounting	1.5
BE-511	Microeconomics	1.5
BE-512	Macroeconomics	1.5
Program Requirements (30 credits)		
MIS-623	Management Information Systems	3
MIS-565	Software System Requirement	3
MIS-525	Information System Architecture	3
SE-603	MOST Implementation	3
MIS-550	Software Project Management	3
MIS-551	Software Organization Management	3
Select two of the following:		6
BK-520	Foundations of Marketing Management	
BL-631	Legal Environment of Business	
BM-635	Human Resource and Organizational Development	
CS-518	Fundamentals of Computer Security and Cryptography	

Code	Title	Credits
CS-628	Security of E-Systems and Networks	
SE-602	Technology Assessment	
SE-615	Usability Engineering/Human-Computer Interaction	
MIS-514	Networks	
MIS-575	Software Verification, Validation and Maintenance	
MIS-691	Management Information System Thesis I	3
MIS-692	Management Information System Thesis II	3
Total Credits		43.5

[1] *Up to 13.5 credits may be waived upon evaluation of prior academic preparation*

Admission Requirements

1. Possession of a baccalaureate degree with a minimum 2.75 overall GPA and a 3.0 GPA in the major. Candidates should have an undergraduate degree in computer science, software engineering, information technology, information science, or business administration or majored in a field that requires a substantial component of software development and/or business administration.
2. Applicants to the Technology track must have completed courses equivalent to Program Development I and II, Introduction to Management, Principles of Software Engineering, and Data Structures and Algorithms.
3. Applicants to the Management track must have completed courses equivalent to Program Development I, Introduction to Management, Principles of Software Engineering, Financial Accounting, and Microeconomics and Macroeconomics.
4. Applicants who have not completed one or more of these courses will be evaluated on a case by case basis. They may be required to complete foundation courses.

M.S. in Information Systems, Technology Track, Non-Thesis Track

Code	Title	Credits
Foundation Requirements (13.5 credits) [1]		
CS-501A	Computer Programming Essentials	3
CS-501B	Program Development	3
BM-517	Introduction to Management	1.5
CS-503	Data Structures and Algorithms	3
SE-505	Principles of Software Engineering	1.5
SE-511	Object-Oriented Analysis	1.5
Program Requirements (30 credits)		
SE-517	Engineering Web-Based Systems	3
MIS-565	Software System Requirement	3
MIS-525	Information System Architecture	3
MIS-517	Database Design and Management	3
MIS-575	Software Verification, Validation and Maintenance	3
MIS-514	Networks	3
Select two of the following:		6
BK-520	Foundations of Marketing Management	
BL-631	Legal Environment of Business	

Code	Title	Credits
BM-635	Human Resource and Organizational Development	
CS-518	Fundamentals of Computer Security and Cryptography	
CS-529	Web Services and .NET	
CS-628	Security of E-Systems and Networks	
SE-602	Technology Assessment	
SE-615	Usability Engineering/Human-Computer Interaction	
MIS-550	Software Project Management	
MIS-551	Software Organization Management	
MIS-695A	Management Information System Practicum I	3
MIS-695B	Management Information System Practicum II	3
Total Credits		43.5

[1] *Up to 13.5 credits may be waived upon evaluation of prior academic preparation*

Admission Requirements

1. Possession of a baccalaureate degree with a minimum 2.75 overall GPA and a 3.0 GPA in the major. Candidates should have an undergraduate degree in computer science, software engineering, information technology, information science, or business administration or majored in a field that requires a substantial component of software development and/or business administration.
2. Applicants to the Technology track must have completed courses equivalent to Program Development I and II, Introduction to Management, Principles of Software Engineering, and Data Structures and Algorithms.
3. Applicants to the Management track must have completed courses equivalent to Program Development I, Introduction to Management, Principles of Software Engineering, Financial Accounting, and Microeconomics and Macroeconomics.
4. Applicants who have not completed one or more of these courses will be evaluated on a case by case basis. They may be required to complete foundation courses.

M.S. in Information Systems, Technology Track, Thesis Track

Code	Title	Credits
Foundation Requirements (13.5 credits) [1]		
CS-501A	Computer Programming Essentials	3
CS-501B	Program Development	3
BM-517	Introduction to Management	1.5
CS-503	Data Structures and Algorithms	3
SE-505	Principles of Software Engineering	1.5
SE-511	Object-Oriented Analysis	1.5
Program Requirements (30 credits)		
SE-517	Engineering Web-Based Systems	3
MIS-565	Software System Requirement	3
MIS-525	Information System Architecture	3
MIS-517	Database Design and Management	3
MIS-575	Software Verification, Validation and Maintenance	3
MIS-514	Networks	3
Select two of the following:		6
BK-520	Foundations of Marketing Management	
BL-631	Legal Environment of Business	
BM-635	Human Resource and Organizational Development	
CS-518	Fundamentals of Computer Security and Cryptography	
CS-529	Web Services and .NET	
CS-628	Security of E-Systems and Networks	
SE-602	Technology Assessment	
SE-615	Usability Engineering/Human-Computer Interaction	
MIS-550	Software Project Management	
MIS-551	Software Organization Management	
MIS-691	Management Information System Thesis I	3
MIS-692	Management Information System Thesis II	3
Total Credits		43.5

[1] *Up to 13.5 credits may be waived upon evaluation of prior academic preparation*

Admission Requirements

1. Possession of a baccalaureate degree with a minimum 2.75 overall GPA and a 3.0 GPA in the major. Candidates should have an undergraduate degree in computer science, software engineering, information technology, information science, or business administration or majored in a field that requires a substantial component of software development and/or business administration.
2. Applicants to the Technology track must have completed courses equivalent to Program Development I and II, Introduction to Management, Principles of Software Engineering, and Data Structures and Algorithms.
3. Applicants to the Management track must have completed courses equivalent to Program Development I, Introduction to Management, Principles of Software Engineering, Financial Accounting, and Microeconomics and Macroeconomics.
4. Applicants who have not completed one or more of these courses will be evaluated on a case by case basis. They may be required to complete foundation courses.

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 twenty-five 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/)uci (http://www.monmouth.edu/uci/). (http://monmouth.edu/uci/)

LEON HESS BUSINESS SCHOOL

Dean: Donald M. Moliver, Ph.D., CRE, MAI

Associate Dean: Gilda Agacer, Ph.D.

Assistant Dean: Janeth Merkle, M.B.A., MM

Interim MBA Program Director: Gilda Agacer, Ph.D.

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.

The M.B.A. program is designed to develop a comprehensive background in the theory and practice of business management decision-making and concentrates on contemporary managerial responsibilities in a dynamic environment. All curricula underscore the complexity and diversity of managerial decisions in the global economy. Instruction in small-size classes stresses close contact with faculty and promotes collaborative work.

Within the LHBS are two Centers of Distinction.

1. The first is the Kislak Real Estate Institute. The Institute is the sole provider of both undergraduate and graduate academic credit-bearing real estate education in the State of New Jersey.
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.

- Dean Donald Moliver holds the Steven and Elaine Pozycki Endowed Professor Chair in Real Estate.
- Professor Nahid Aslanbeigui holds the Kvernland Endowed Chair in Philosophy and Corporate Social Policy.

The top 20 percent of M.B.A. graduates and 10 percent of undergraduate junior and senior students are eligible for election to Beta Gamma Sigma, the International Honor Society for Accredited business schools.

Student Honor Society: Beta Gamma Sigma

Programs
Masters

- MBA (p. 129)
- MBA with a Concentration in Accounting (p. 132)
- MBA with a Concentration in Finance (p. 136)
- MBA with a Concentration in Management (http://catalog.monmouth.edu/graduate-catalog/leon-hess-business/management-leadership/mba-concentration-management/)
- MBA with a Concentration in Marketing (p. 141)
- MBA with a Concentration in Real Estate (p. 137)

Certificate

- Graduate Certificate in Accounting (p. 132)

Master of Business Administration

Interim MBA Program Director, Gilda Agacer, Ph.D.

Master of Business Administration (M.B.A.)

The mission of the M.B.A. Program is to serve well-qualified graduate students who are committed to pursuing higher levels of professional responsibility, enhancing their competencies, and improving their value to the organizations they serve. The graduate program combines management theory and practice in a contemporary managerial context. Curricula underscore the complexity and diversity of managerial decisions in national and global economies. Students learn in small classes that promote close interaction with our business faculty and also benefit from the special contributions of visiting lecturers.

Six M.B.A. options are open to students: a general M.B.A. (which may be pursued either in a regular or accelerated mode and allows for customization (e.g. healthcare, Global) and the following five M.B.A. concentrations:

- Accounting (p. 132),
- Business Administration (p. 129)
- Finance (p. 136),
- Management, (http://catalog.monmouth.edu/graduate-catalog/leon-hess-business/management-leadership/mba-concentration-management/)
- Marketing (p. 141), and
- Real Estate (p. 137).

The State of New Jersey requires candidates for the C.P.A. examination to have completed a minimum of 150 credit hours of higher education. The M.B.A. helps students comply with the 150-credit rule while earning a graduate degree. The requirement can be satisfied in either of two ways:

1. students who have obtained an undergraduate Accounting degree may continue to earn a general M.B.A.;
2. students who have undergraduate degrees in fields other than Accounting may earn an M.B.A. with a concentration in Accounting.

Students who have an undergraduate Accounting degree are not encouraged to pursue the M.B.A. Accounting Concentration or graduate certificate in accounting.

Programs
Masters

- M.B.A. (p. 129)

M.B.A.

Code	Title	Credits
Foundation Requirements (21 credits)		
BM-510	Business Analysis, Research and Communication	3
BE-511	Microeconomics	1.5
BE-512	Macroeconomics	1.5
BA-513	Financial Accounting	1.5
BA-514	Managerial Accounting	1.5
BF-515	Financial Markets	1.5
BF-516	Business Finance	1.5
BK-520	Foundations of Marketing Management	1.5
BM-517	Introduction to Management	1.5
BM-518	Introduction to Statistics	3
BM-519	Production and Operations Management	3
Core Requirements (21 credits)		
BA-610	Accounting for Managers	3
BE-611	Managerial Economics	3
BF-612	Corporate Finance	3
BM-613	Managing and Leading in Organizations	3
BK-614	Marketing Management	3
BM-660	Corporate Governance and Organizational Ethics	3
BM-670	Strategic Management	3
Requirements (15 credits)		
Data Analysis		
Select one of the following:		3
BK-620	Marketing Research	
BM-620	Management Science and Business Analytics	
BM-622	Applied Information Systems Management	
BE/BF-620	Econometrics	
Global		
Select one of the following:		3
BE-650	Globalization	
BF-650	International Finance	
BK-650	International Marketing Management	
BR-650	International Real Estate	
BM-650	International Business	
Guided Electives		
Select 9 credits of Guided Free Electives		9
Total Credits		57

Admission Requirements

1. Possession of a four-year baccalaureate degree and with a minimum GPA of 2.75 and either:
   a. GMAT[1,2,3] or
   b. CPA or CFA licensure.
2. Possession of a four-year baccalaureate degree with a minimum GPA of 3.5 [2].
3. Possession of a four-year baccalaureate degree with a minimum GPA of 3.0 [3] and three years full time work experience.
4. Possession of a Master's or Doctoral degree (MS, MD, JD, PhD, EdD, etc.).

Applicants must also provide:

1. Current résumé.
2. Essay explaining why the applicant wishes to pursue this graduate program (500 words or less).
3. Two letters of recommendation (optional)

[1] *The Graduate Record Exam (GRE) will be considered as a substitute for the GMAT on an equivalent basis. LSAT or Engineering certification exams (FE, PE, SE, PS, FS) may be considered in place of the GMAT.*

[2] *The GMAT will be waived for any applicant with a 3.5 or greater GPA*

[3] *The GMAT will be waived for any applicant with a GPA of 3.0 or greater and 3 years of full time work experience.*

Accounting

Chair: J. Peter Christakos, Department of Accounting

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 C.P.A.)

The opportunities for accounting graduates are unlimited with the demand continuing at a strong level despite the current economic downturn.

- C.P.A.s 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
Masters

- M.B.A. with a Concentration in Accounting (p. 132)

Certificate

- Graduate Certificate in Accounting (p. 132)

Faculty

Gilda M. Agacer, Associate Professor (Graduate Faculty). Associate Dean of the Leon Hess Business School. 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

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

Nancy Uddin, Associate Professor (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, Associate 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

Ronald Zhao, Associate Professor (Graduate Faculty). B.A., Fudan University, China; M.A., Shanghai Foreign Language Institute, China; Ph.D., Texas Tech University; C.P.A., C.M.A. Teaching and research interests are in the areas of cost and management accounting, international accounting, and corporate finance.
rzhao@monmouth.edu

Courses

BA-513   Financial Accounting   **Credits: 1.5**
Term Offered: All Terms
Course Type(s): None
This foundational course will address the basics of financial accounting, including the accounting cycle, from the analysis and recording of transactions to the compilation of the four basic financial statements, and introduce additional accounting procedures related to valuation of inventory and long term assets and other financial statement topics.

BA-514   Managerial Accounting   **Credits: 1.5**
Term Offered: All Terms
Course Type(s): None
This foundation course will equip students with a basic knowledge and understanding of managerial accounting theories and practices for management use. Topics covered include cost classification, the basics of product costing (job and activity-based), decisions based on cost-volume-profit (CVP) analysis, budgeting and performance evaluation.

BA-588   Internship in Accounting   **Credits: 1-3**
Term Offered: Fall Term
Course Type(s): None
Provides the opportunity for MBA accounting track (and/or accounting concentration) students to apply classroom theory in practice through actual work experience in the accounting field. The course cannot be counted toward the MBA track or concentration requirements, but is recommended for those who do not have experience in the accounting profession. Students may take this course a maximum of two times (or a maximum of 6 credits). A minimum G.P.A. of 3.00 is required to take this course.

BA-598   Special Topics in Accounting   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
The subject matter of this course varies according to the interest of the students and the professor teaching the course. The exact nature of the topic covered is indicated in the student's permanent record. If a prerequisite is required it will be announced in the course schedule.

BA-599   Business Research   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Independent research in business administration in an area not substantially treated in a regular course offering, under the supervision of a Business Administration faculty member; written evaluation of the research required. Student must be within nine credits of graduation. Prior permission of the directing professor and department chair is required to take this course.

BA-610   Accounting for Managers   **Credits: 3**
Prerequisite(s): BA-513 and BA-514
Term Offered: All Terms
Course Type(s): None
Accounting is the language of business. Managers are expected to have a minimum level of accounting and financial management skills that transcends all business disciplines. This course provides a foundation in financial planning, performance, control and financial decision making. It aims to develop students' ability for comprehension, application, analysis, synthesis and evaluation of the concepts, terminology, measures, systems and techniques used in corporate management accounting, as well as professional ethics, which are of critical importance in today's highly competitive business environment.

BA-632   Business Income Tax   **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
This is the only graduate level income tax course currently offered at Monmouth. Our undergraduate version of this course covers two semesters. This course will emphasize tax research and planning for individuals. The purpose is to introduce graduate accounting students to a broad range of income tax topics. Because of the complexity and breadth of coverage, many topics will not be covered in great depth.

BA-634   Selected Topics in Financial Accounting   **Credits: 3**
Prerequisite(s): BA-513
Term Offered: Fall Term
Course Type(s): None
This capstone course provides an intensive examination of accounting concepts and principles pertaining to the understanding of accounting cycle and preparation of major financial statements. It covers the accounting treatment of major classes of assets, liabilities and equities and related income accounts. This course is specifically structured to cover the fundamental issues traditionally taught in two intermediate accounting courses at the undergraduate level for graduate students without sufficient accounting background. It lays a sound foundation for students to pursue more advanced financial accounting practice and theory issues in contemporary context.

BA-636   Advanced Accounting Topics   **Credits: 3**
Prerequisite(s): BA-634
Term Offered: Spring Term
Course Type(s): None
This course in financial accounting has been developed to provide advanced knowledge and skills in various specialized and complex areas. It presupposes an extensive background in basic accounting theory. This course presents the specialized topics of business investments and combinations and consolidations, and an introduction to governmental and not-for-profit accounting. Relevant United States Generally Accepted Accounting Principles and United States Governmental Accounting Standards Board pronouncements will be considered. In addition, other topics relevant to the understanding of the current business and accounting environment (segment and interim reporting, foreign exchange transactions and partnerships, estates, trusts will be addressed).

BA-638   Auditing Practices and Cases   **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Introduces the students to the auditing standards and procedures associated with the examination of financial statements. Successful completion of this course should enable students to understand the role and methods of the independent auditor and the legal and ethical environment within which the auditor functions.

BA-699   Business Research in Accounting   **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
Independent research in business administration in an area not substantially treated in a regular course offering, under the supervision of a Business Administration faculty member; written evaluation of the research required. Student must be within nine credits of graduation. Prior permission of the directing professor and department chair is required to take this course.

Graduate Certificate in Accounting

Code	Title	Credits
Requirements (24 credits)		
BA-513	Financial Accounting	1.5
BA-514	Managerial Accounting	1.5
BA-610	Accounting for Managers	3
BA-632	Business Income Tax	3
BA-634	Selected Topics in Financial Accounting	3
BA-636	Advanced Accounting Topics	3
BA-638	Auditing Practices and Cases	3
Select six additional credits from BA-600+ courses		6
Total Credits		24

Admission Requirements

1. Possession of a four-year baccalaureate degree and with a minimum GPA of 2.75 and either:
   a. GMAT[1,2,3] or
   b. CPA or CFA licensure.
2. Possession of a four-year baccalaureate degree with a minimum GPA of 3.5 [2].
3. Possession of a four-year baccalaureate degree with a minimum GPA of 3.0 [3] and three years full time work experience.
4. Possession of a Master's or Doctoral degree (MS, MD, JD, PhD, EdD, etc.).

Applicants must also provide:

1. Current résumé.
2. Essay explaining why the applicant wishes to pursue this graduate program (500 words or less).
3. Two letters of recommendation (optional)

[1] *The Graduate Record Exam (GRE) will be considered as a substitute for the GMAT on an equivalent basis. LSAT or Engineering certification exams (FE, PE, SE, PS, FS) may be considered in place of the GMAT.*

[2] *The GMAT will be waived for any applicant with a 3.5 or greater GPA*

[3] *The GMAT will be waived for any applicant with a GPA of 3.0 or greater and 3 years of full time work experience.*

M.B.A. with a Concentration in Accounting

Code	Title	Credits
Foundation Requirements (21 credits)		
BM-510	Business Analysis, Research and Communication	3
BE-511	Microeconomics	1.5
BE-512	Macroeconomics	1.5
BA-513	Financial Accounting	1.5
BA-514	Managerial Accounting	1.5
BF-515	Financial Markets	1.5
BF-516	Business Finance	1.5
BK-520	Foundations of Marketing Management	1.5
BM-517	Introduction to Management	1.5
BM-518	Introduction to Statistics	3
BM-519	Production and Operations Management	3
Core Requirements (15 credits)		
BA-610	Accounting for Managers	3
BF-612	Corporate Finance	3
BM-613	Managing and Leading in Organizations	3
BM-660	Corporate Governance and Organizational Ethics	3
BM-670	Strategic Management	3
Concentration Requirements (21 credits)		
BA-632	Business Income Tax	3
BA-634	Selected Topics in Financial Accounting	3
BA-636	Advanced Accounting Topics	3
BA-638	Auditing Practices and Cases	3
BL-631	Legal Environment of Business	3
Data Analysis		
Select one of the following:		3
BE/BF-620	Econometrics	
BM-620	Management Science and Business Analytics	
BM-622	Applied Information Systems Management	
Global		
Select one of the following:		3
BE-650	Globalization	
BK-650	International Marketing Management	
BR-650	International Real Estate	
BM-650	International Business	
Total Credits		57

Admission Requirements

1. Possession of a four-year baccalaureate degree and with a minimum GPA of 2.75 and either:
   a. GMAT[1,2,3] or
   b. CPA or CFA licensure.
2. Possession of a four-year baccalaureate degree with a minimum GPA of 3.5 [2].
3. Possession of a four-year baccalaureate degree with a minimum GPA of 3.0 [3] and three years full time work experience.
4. Possession of a Master's or Doctoral degree (MS, MD, JD, PhD, EdD, etc.).

Applicants must also provide:

1. Current résumé.
2. Essay explaining why the applicant wishes to pursue this graduate program (500 words or less).
3. Two letters of recommendation (optional)

[1] *The Graduate Record Exam (GRE) will be considered as a substitute for the GMAT on an equivalent basis. LSAT or Engineering certification exams (FE, PE, SE, PS, FS) may be considered in place of the GMAT.*

[2] *The GMAT will be waived for any applicant with a 3.5 or greater GPA*

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Economics, Finance, and Real Estate

Chair: Barrie Bailey, 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.

Economics, finance, and real estate provide a strong foundation for graduate work in economics, finance, and law, as well as careers in government, commercial and investment banking, corporate finance, insurance, commercial real estate, medical services, human resources, international trade, and labor relations.

Programs
Masters

- M.B.A. with a Concentration in Real Estate (p. 137)
- M.B.A. with a Concentration in Finance (p. 136)

Faculty

Nahid Aslanbeigui, Professor and Kvernland Endowed Chair in Philosophy and Corporate Social Policy (Graduate Faculty). B.A., University of Tehran; M.A., Ph.D., University of Michigan. Specializes in globalization, economic development, and the history of economic thought. Additional interests include economics education and the economic status of women.
naslanbe@monmouth.edu

Barrie Bailey, Associate Professor and Chair (Graduate Faculty). B.S., M.B.A., Ph.D., University of Central Florida. Research interests include international mutual fund performance and finance education.
bbailey@monmouth.edu

Jonathan Daigle, Assistant Professor (Graduate Faculty). B.S., M.B.A., The University of South Alabama; Ph.D., The University of Missisippi.
jdaigle@monmouth.edu

Donald Moliver, Professor and Steven and Elaine Pozycki Endowed Professor Chair in Real Estate (Graduate Faculty). Dean, Leon Hess Business School. B.A., Fairleigh Dickinson University, M.A., Ph.D., Virginia Polytechnic Institute. Research interests include real estate finance and valuation. CRE and MAI designations.
dmoliver@monmouth.edu

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.
pohallor@monmouth.edu

Benedicte Reyes, Associate Professor (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.
breyes@monmouth.edu

Robert H. Scott, III, Professor (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-511   Microeconomics   **Credits: 1.5**
Term Offered: All Terms
Course Type(s): None
Provides MBA students with principles-level knowledge of microeconomics. Students will learn economic theory to analyze markets, competitive and noncompetitive firm behavior, market structure, government regulation and global trade.

BE-512   Macroeconomics   **Credits: 1.5**
Term Offered: All Terms
Course Type(s): None
Provides MBA students with principles-level knowledge of macroeconomics. Students will learn to determine the components and level of national income, applications to the problems of inflation, unemployment and economic stabilization. Students are introduced to the macroeconomic operation of a mixed economy such as the United States within the global economy. Topics include national income accounting, business cycles, inflation, unemployment, monetary and fiscal policies, national deficit and debt, exchange rates, balance of payments, balance of trade, global financial crises, and policy debates.

BE-571   Economic Policy in Society   **Credits: 3**
Term Offered: Fall Term
Course Type(s): MBA.E
The factors that determine the level of national income, employment, and business activity; the relationship of government in the productive system in establishing economic goals and objectives and its role in making policy.

BE-575   Analysis and Forecasting   **Credits: 3**
Prerequisite(s): BM-518 or equivalent
Term Offered: All Terms
Course Type(s): MBA.E
Identification, analysis, and appraisal of forces influencing the course of economic activity; evaluation of theories and models of cycles and growth; and various forecasting and projecting techniques.

BE-598   Special Topics: Economics   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Subject matter varies according to the interest of the students and the professor. The exact nature of the topic covered is indicated in the student's permanent record.

BE-599   Business Research   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Independent research in business administration in an area not substantially treated in a regular course offering, under the supervision of a Business Administration faculty member; written evaluation of the research required. Student must be within nine credits of graduation. Prior permission of the directing professor and department chair is required to take this course.

BE-611   Managerial Economics   **Credits: 3**
Prerequisite(s): BE-511 and BM-518
Term Offered: All Terms
Course Type(s): MBA.E
The application of the theory of production and the theory of the firm to problems of managerial decision making in a global environment. Application of contemporary microeconomic theory to managerial decision making and to public policy affecting such decisions.

BE-620   Econometrics   **Credits: 3**
Prerequisite(s): BE-511, BE-512, and BM-518
Term Offered: Spring Term
Course Type(s): None
Provides a graduate-level introduction to the methodology and tools of econometrics required by finance professionals. Topics include: linear regression, time series modeling, volatility and correlation modeling. Markov switching, limited dependent variable models and Monte Carlo simulation. EViews is used extensively in class. Instructor assumes students have no previous knowledge of EViews.

BE-650   Globalization   **Credits: 3**
Prerequisite(s): BE-512 and BF-515
Term Offered: Spring Term
Course Type(s): MBA.E, MBA.I
Students are introduced to debates on the meaning, causes, and consequences of globalization. The role of trade, finance, labor, multinational corporations, nation-states, international institutions, and civil society will be examined. Benefits of globalization - the potential to create goods and services, employment, income and wealth - will be contrasted with its costs - volatility, contagion, environmental degradation, inequality and poverty. The course will end with a discussion of the management of globalization through global coordination and governance.

BE-698   Special Topics in Economics   **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
Subject matter varies according to the interest of the students and the professor. The exact nature of the topic covered is indicated in the student's permanent record. If a prerequisite is required it will be announced in the course schedule.

BF-515   Financial Markets   **Credits: 1.5**
Term Offered: All Terms
Course Type(s): None
Covers the roles and functioning of the financial markets, financial institutions and regulatory bodies, the principles of valuation of financial assets and the determinants of market interest rates.

BF-516   Business Finance   **Credits: 1.5**
Prerequisite(s): BA-513
Term Offered: All Terms
Course Type(s): None
Principles and techniques of financial analysis: financial planning and control, profit planning and management, valuation theory, capital budgeting, financial structure and the cost of capital.

BF-525   Real Estate Analysis   **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
Real estate financing and appraising. Examination of personal and corporate real estate portfolio strategies. The analysis of specific types of real properties are reviewed. This includes: single- family homes, apartment houses, condominiums, shopping centers, and office and industrial buildings. Also listed as BR-525.

BF-599   Business Research   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Independent research in business administration in an area not substantially treated in a regular course offering, under the supervision of a Business Administration faculty member; written evaluation of the research required. Student must be within nine credits of graduation. Prior permission of the directing professor and department chair is required to take this course.

BF-612   Corporate Finance   **Credits: 3**
Prerequisite(s): BE-511, BE-512, BF-515, and BF-516
Term Offered: All Terms
Course Type(s): None
Analysis of corporate finance concepts: Financial ratio analysis and forecasts, estimation of cash flows for corporate valuation, cost of capital and optimal capital structure, distributions to shareholders, and financial restructuring. This course will rely on corporate cases and Excel applications.

BF-620   Econometrics   **Credits: 3**
Prerequisite(s): BE-511, BE-512, and BM-518
Term Offered: Spring Term
Course Type(s): None
Provides a graduate-level introduction to the methodology and tools of econometrics required by finance professionals. Topics include: linear regression, time series modeling, volatility and correlation modeling. Markov switching, limited dependent variable models, and Monte Carlo simulation. EViews is used extensively in class. Instructor assumes students have no previous knowledge of EViews.

BF-630   Investments   **Credits: 3**
Prerequisite(s): BE-511, BE-512, BF-515, BF-516, and BM-518
Term Offered: Spring Term
Course Type(s): None
The course studies the characteristics of securities of the debt and equity markets with major emphasis on risk and return. It delves into the valuation of these securities based on traditional and modern approaches, security evaluation and selection for portfolio construction and evaluation. The course acquaints students with the valuation and hedging characteristics of options and discusses lessons from the past financial crises and bubbles. The course applies Bloomberg technology.

BF-631   Derivatives   **Credits: 3**
Prerequisite(s): BE-511, BE-512, BF-515, BF-516, and BM-518
Term Offered: Spring Term
Course Type(s): None
Covers the primary instruments (forwards, futures and options) of the derivative securities market and their use in investment and corporate financial management. The course applies Bloomberg technology.

BF-632   Financial Markets and Risk Management   **Credits: 3**
Prerequisite(s): BE-511, BE-512, BF-515, and BF-516
Term Offered: Fall Term
Course Type(s): MBA.E
You will learn about the theories, nature and environment of financial institutions and markets of the United States, especially as it relates to activities of the Federal Reserve System. It includes financial intermediaries, the central and commercial banking systems, the determination of the money supply and interest rates, and an introduction to international financial activities.

BF-650   International Finance   **Credits: 3**
Prerequisite(s): BE-511, BE-512, BF-515, and BF-516
Term Offered: All Terms
Course Type(s): MBA.E, MBA.I
Study of international monetary systems and capital markets. Analysis of foreign exchange, international equity markets, bond pricing, and currency derivatives. Emphasis on international diversification and the role of emerging markets.

BF-698   Special Topics in Finance   **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Subject matter varies according to the interest of the students and the professor. The exact nature of the topic covered is indicated in the student's permanent record. If a prerequisite is required it will be announced in the course schedule.

BF-699   Independent Study in Finance   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Independent research in business administration in an area not substantially treated in a regular course offering, under the supervision of a Business Administration faculty member; written evaluation of the research required. Student must be within nine credits of graduation. Prior permission of the directing professor and department chair is required to take this course.

BR-510   Real Estate Law   **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Students will be introduced to the legal issues in the ownership, transfer, and development of real property.

BR-525   Real Estate Analysis   **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
Students gain insight into basic real-estate finance and valuation theory. Traditional approaches to value are reviewed. Examination of personal and corporate real estate portfolio strategies. The analysis of specific types of real properties are reviewed. This includes: single-family homes, condominiums, shopping centers, and office and industrial buildings. Also listed as BF-525.

BR-527   Real Estate Finance, Investment and Tax   **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Designed to introduce students to the world of real-estate finance, including debt and equity issues and securitization.

BR-530   Real Estate Lease and Negotiations   **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
Students will look at the commercial leasing of real estate, including statutory law, public policy, and landlord-tenant relations, along with the role of the real estate broker.

BR-580   Regulation and Real Estate Development Process   **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
Real Estate Development analyzes the distinctive roles and perspectives of government and business in the land development process. A step-by-step examination of the phases of a real estate development project from conceptualization to either disposition or lease-up that emphasizes both the management and approval aspects of those phases.

BR-598   Special Topics in Real Estate   **Credits: 1-3**
Term Offered: Spring Term
Course Type(s): None
Subject matter varies according to the interest of the students and the professor. The exact nature of the topic covered is indicated in the student's permanent record. If a prerequisite is required it will be announced in the course schedule.

BR-599   Independent Study in Real Estate   **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
Independent research in real estate in an area not substantially treated in a regular course offering, under the supervision of a Business Administration faculty member and with the permission of the program director. Prior permission of the directing professor and department chair is required to take this course.

BR-630   Environmental Land Use and Planning Law and Regulation
                                                   Credits: 3
Term Offered: Spring Term
Course Type(s): None
This expands upon the basics of real estate law and development law to examine closely the detailed federal, state and local statutes, regulations and case law that impact the design, planning, and approval of proposed real estate developments and the redevelopment of areas. Case studies of existing developments as well as current developments already in progress will be analyzed.

BR-631   Capital Markets and Real Estate   **Credits: 3**
Prerequisite(s): BF-515 and BF-516
Term Offered: Fall Term
Course Type(s): None
This course will build upon the foundations laid in the basic Real Estate Finance course. The focus will be upon the "capital stack" including the forms of equity and debt available to finance real estate. The various forms of ownership of real estate will be examined from the perspective of the investors, owners, and lenders. The tax implications of the various forms of investment will be closely examined to demonstrate the effects of alternative legal structures. Case studies of successful and unsuccessful real estate projects will be used to understand how certain legal structures contributed to the success or failure. The discussion of "bankruptcy remote" entities will be included.

BR-632   Real Estate Valuation and Analysis   **Credits: 3**
Prerequisite(s): BF-516
Term Offered: Summer Term
Course Type(s): None
Provides students with a basic understanding of the three traditional methods of real property appraisal including the Sales, Cost, and Income Approaches to value. These approaches will be applied to various property types including residential, commercial (retail and office), and industrial properties. Most emphasis will be applied to the Income Approach as it best typifies the expectations of buyers and sellers of commercial properties in the marketplace. Direct and Yield capitalization techniques and applications will be thoroughly reviewed and discussed within the context of litigation valuation assignments.

BR-633   Real Estate Accounting, Taxation and Insurance   **Credits: 3**
Prerequisite(s): BA-513 and BF-516
Term Offered: All Terms
Course Type(s): None
This course will provide students with a general understanding of the accounting, taxation and insurance/risk management aspects of real estate and develop a basic understanding of the principles of real estate accounting, taxation, and risk management and their interrelationship in the financial reporting and management of real estate companies to enable a non-accountant to understand generally their implications upon investment, leasing, and development decisions in real estate and to engage in informed discussions with accountants and other financial professionals.

BR-634   Real Estate Lease Negotiations and Analysis   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Designed to introduce the basic terminology of real estate leases and to gain an understanding of the business and legal interests of landlords and tenants and how these interests impact the negotiations of leases. The course will include a discussion of office, retail, shopping center, warehouse, ground and residential leases. Guest speakers will be utilized to demonstrate the practical aspects of lease negotiations. One or more field trips to lease locations will be part of the curriculum.

BR-635   Real Estate Property Management   **Credits: 1.5**
Prerequisite(s): BR-630
Term Offered: All Terms
Course Type(s): None
Provides students with a general understanding of the property management of real estate, including commercial, residential and condominium and cooperative properties. The essentials of budgeting, maintenance, tenant and owner relations as well as the business of owning a property management firm are included.

BR-636   Real Estate Sales and Marketing   **Credits: 1.5**
Prerequisite(s): BK-520
Term Offered: All Terms
Course Type(s): None
Includes a study of the traditional methods of market analysis of buyers and tenants as well as a focus on the use of social media. The evaluation of the costs and benefits of various types of sales and marketing techniques including case studies will be utilized. A review of the laws regarding marketing including federal truth in lending, discrimination, and interstate sales is included.

BR-637   Real Estate Construction   **Credits: 3**
Prerequisite(s): BR-630
Term Offered: All Terms
Course Type(s): None
This course will provide students a basic understanding of the terminology used in construction of real estate projects; the critical path processes required for successful completion of construction; an understanding of different materials used in construction; the evaluation and selection of general contractors, construction managers, and subcontractors; the laws concerning construction and lien laws.

BR-638   Real Estate Planning and Design   **Credits: 1.5**
Prerequisite(s): BR-630
Term Offered: All Terms
Course Type(s): None
An understanding of how the planning of a site and the design of the infrastructure and structures on the real estate impacts the feasibility and performance of the project as well as the impact of the project on the surrounding areas.

BR-640   Strategic Case Studies in Real Estate   **Credits: 3**
Prerequisite(s): BR-631 and BR-632
Term Offered: Spring Term
Course Type(s): None
This "capstone course" will apply the lessons learned in the other real estate courses to actual real estate development projects. Students will dissect actual real estate projects from the perspective of the developer and owner as well as others involved in the financing of the projects. The analysis of critical decision points in planning, marketing, pricing, construction will be examined with the benefit of hindsight. Students will then apply those lessons to current real estate projects.

BR-650   International Real Estate   **Credits: 3**
Prerequisite(s): BR-630 and BR-631
Term Offered: All Terms
Course Type(s): None
Examines the legal, financial, regulatory, and social aspects of real estate ownership and development in selected international markets. The markets will include Europe, UK, Pacific Rim, Canada, Mexico, China, and other areas. Investment by U.S. companies in these international markets as well as investments in U.S. real estate by foreign investors will be included.

BR-698   Special Topics in Real Estate   **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Subject matter varies according to the interest of the students and the professor. The exact nature of the topic covered is indicated in the student's permanent record. If a prerequisite is required it will be announced in the course schedule.

BR-699   Independent Study in Real Estate   **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
Independent research in Real Estate is for areas of Real Estate not substantially treated in a regular course offering. It is done under the supervision of a Leon Hess Business School faculty member, and written evaluation of the research is required. Prior permission of the directing professor and department chair is required to take this course.

M.B.A. with a Concentration in Finance

Code	Title	Credits
Foundation Requirements (21 credits)		
BM-510	Business Analysis, Research and Communication	3
BE-511	Microeconomics	1.5
BE-512	Macroeconomics	1.5
BA-513	Financial Accounting	1.5
BA-514	Managerial Accounting	1.5
BF-515	Financial Markets	1.5
BF-516	Business Finance	1.5
BK-520	Foundations of Marketing Management	1.5
BM-517	Introduction to Management	1.5
BM-518	Introduction to Statistics	3
BM-519	Production and Operations Management	3
Core Requirements (21 credits)		
BA-610	Accounting for Managers	3
BE-611	Managerial Economics	3

BF-612	Corporate Finance	3
BM-613	Managing and Leading in Organizations	3
BK-614	Marketing Management	3
BM-660	Corporate Governance and Organizational Ethics	3
BM-670	Strategic Management	3
Concentration Requirements (15 credits)		
Data Analysis		
BE/BF-620	Econometrics	3
Global		
BE-650	Globalization	3
or BF-650	International Finance	
Select three of the following:		9
BF-630	Investments	
BF-631	Derivatives	
Business Economics (BE) 600-Level Special Topics Class		
Business Finance (BF) 600-Level Special Topics Class		
BF-632	Financial Markets and Risk Management	
Total Credits		57

Admission Requirements

1. Possession of a four-year baccalaureate degree and with a minimum GPA of 2.75 and either:
   a. GMAT[1,2,3] or
   b. CPA or CFA licensure.
2. Possession of a four-year baccalaureate degree with a minimum GPA of 3.5 [2].
3. Possession of a four-year baccalaureate degree with a minimum GPA of 3.0 [3] and three years full time work experience.
4. Possession of a Master's or Doctoral degree (MS, MD, JD, PhD, EdD, etc.).

Applicants must also provide:

1. Current résumé.
2. Essay explaining why the applicant wishes to pursue this graduate program (500 words or less).
3. Two letters of recommendation (optional)

[1] *The Graduate Record Exam (GRE) will be considered as a substitute for the GMAT on an equivalent basis. LSAT or Engineering certification exams (FE, PE, SE, PS, FS) may be considered in place of the GMAT.*

[2] *The GMAT will be waived for any applicant with a 3.5 or greater GPA*

[3] *The GMAT will be waived for any applicant with a GPA of 3.0 or greater and 3 years of full time work experience.*

M.B.A. with a Concentration in Real Estate

Code	Title	Credits
Foundation Requirements (21 credits)		
BM-510	Business Analysis, Research and Communication	3
BE-511	Microeconomics	1.5

BE-512	Macroeconomics	1.5
BA-513	Financial Accounting	1.5
BA-514	Managerial Accounting	1.5
BF-515	Financial Markets	1.5
BF-516	Business Finance	1.5
BK-520	Foundations of Marketing Management	1.5
BM-517	Introduction to Management	1.5
BM-518	Introduction to Statistics	3
BM-519	Production and Operations Management	3
Core Requirements (15 credits)		
BE-611	Managerial Economics	3
BM-613	Managing and Leading in Organizations	3
BK-614	Marketing Management	3
BM-660	Corporate Governance and Organizational Ethics	3
BM-670	Strategic Management	3
Concentration Requirements (21 credits)		
Data Analysis		
BE/BF-620	Econometrics	3
Global		
Select one of the following:		3
BR-650	International Real Estate	
BF-650	International Finance	
BE-650	Globalization	
BR-630	Environmental Land Use and Planning Law and Regulation	3
BR-631	Capital Markets and Real Estate	3
BR-633	Real Estate Accounting, Taxation and Insurance	3
BR-640	Strategic Case Studies in Real Estate	3
Select one of the following:		3
BR-632	Real Estate Valuation and Analysis	
BR-634	Real Estate Lease Negotiations and Analysis	
BR-635	Real Estate Property Management	
BR-636	Real Estate Sales and Marketing	
BR-637	Real Estate Construction	
Business Real Estate (BR) 600-Level Special Topics Class		
Business Real Estate (BR) 600-Level Independent Study		
BR-638	Real Estate Planning and Design	
Total Credits		57

Admission Requirements

1. Possession of a four-year baccalaureate degree and with a minimum GPA of 2.75 and either:
   a. GMAT[1,2,3] or
   b. CPA or CFA licensure.
2. Possession of a four-year baccalaureate degree with a minimum GPA of 3.5 [2].
3. Possession of a four-year baccalaureate degree with a minimum GPA of 3.0 [3] and three years full time work experience.

4. Possession of a Master's or Doctoral degree (MS, MD, JD, PhD, EdD, etc.).

Applicants must also provide:

1. Current résumé.
2. Essay explaining why the applicant wishes to pursue this graduate program (500 words or less).
3. Two letters of recommendation (optional)

[1] *The Graduate Record Exam (GRE) will be considered as a substitute for the GMAT on an equivalent basis. LSAT or Engineering certification exams (FE, PE, SE, PS, FS) may be considered in place of the GMAT.*

[2] *The GMAT will be waived for any applicant with a 3.5 or greater GPA*

[3] *The GMAT will be waived for any applicant with a GPA of 3.0 or greater and 3 years of full time work experience.*

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, 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
Masters

- M.B.A. with a Concentration in Marketing (p. 141)

Faculty

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

Susan Forquer Gupta, Associate Professor (Graduate Faculty). Director, MBA Program. 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
sgupta@monmouth.edu

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.
mlu@monmouth.edu

Nguyen Pham, Assistant 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.
npham@monmouth.edu

Joseph F. Rocereto, Associate 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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Courses

BK-520   Foundations of Marketing Management   **Credits: 1.5**
Term Offered: All Terms
Course Type(s): None
As a foundation course, this course provides MBA students with fundamental concepts in marketing management involving companies to satisfy their consumers' objectives through right goods and services based on understanding consumer characteristics and marketing system environments; introducing the marketing mix strategies based on thorough analysis of consumer and market environment, promote, distribute and price products and services to satisfy and organize buyers.

BK-599   Business Research   **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
Independent research in Business Administration in an area not substantially treated in a regular course offering, under the supervision of a business administration faculty member; written evaluation of the research required. Student must be within nine credits of graduation. Prior permission of the directing professor and department chair is required to take this course.

BK-614   Marketing Management   **Credits: 3**
Prerequisite(s): BK-520
Term Offered: All Terms
Course Type(s): None
An integrated approach to managing the business function of marketing: planning, organizing, controlling, and measuring the total marketing effort; managerial principles and practices applied to the marketing process.

BK-620   Marketing Research   **Credits: 3**
Prerequisite(s): BK-520
Term Offered: Spring Term
Course Type(s): MBA.K
Tools and techniques for conducting, evaluating, and utilizing marketing research; decisions concerning pricing, promotion, personal selling, consumer behavior, and distribution policies evolving from the research data.

BK-639   Promotional Strategy   **Credits: 3**
Prerequisite(s): BK-520
Term Offered: Fall Term
Course Type(s): MBA.K
Integrated marketing communications including advertising, sales promotion, direct response, personal selling, public relations, and Internet/e-marketing. Focus is on the understanding and developing of promotional strategies from a theory and real-world (case- analysis) approach.

BK-640   Consumer Behavior   **Credits: 3**
Prerequisite(s): BK-614
Term Offered: All Terms
Course Type(s): MBA.K
An in-depth study of the various perspectives, theories, and contributors
to behavior displayed by consumers in the search, purchase, use,
evaluation, and disposal of economic goods and services including the
decision processes that precede and determine these acts.

BK-641   Advertising and Media Management   **Credits: 3**
Prerequisite(s): BK-520
Term Offered: Spring Term
Course Type(s): MBA.K
An integrated approach to analyzing and managing advertising as an
effective element in the promotional mix.

BK-650   International Marketing Management   **Credits: 3**
Prerequisite(s): BK-520
Term Offered: All Terms
Course Type(s): MBA.K, MBA.I
Strategic marketing decisions for sustainable international and global
markets including overall market analysis, market entry decisions,
branding decisions, consumer differences, and the external environment
factors (culture, climate, political, legal, environment, economic,
technological, and competitive) that inform product, pricing, distribution
and promotional strategies.

BK-698   Special Topics in Marketing   **Credits: 3**
Prerequisite(s): BK-520
Term Offered: All Terms
Course Type(s): None
Subject matter varies according to the interest of the students and
the professor. The exact nature of the topic covered is indicated in the
student's permanent record.

BK-699   Independent Research in Marketing   **Credits: 3**
Prerequisite(s): BK-520
Term Offered: All Terms
Course Type(s): None
Independent research in Business Administration in an area not
substantially treated in a regular course offering, under the supervision
of a business administration faculty member; written evaluation of
the research is required. The student must be within nine credits of
graduation. Prior permission of the directing professor and department
chair is required to take this course.

M.B.A. with a Concentration in Marketing

Code	Title	Credits
Foundation Requirements (21 credits)		
BM-510	Business Analysis, Research and Communication	3
BE-511	Microeconomics	1.5
BE-512	Macroeconomics	1.5
BA-513	Financial Accounting	1.5
BA-514	Managerial Accounting	1.5
BF-515	Financial Markets	1.5
BF-516	Business Finance	1.5
BK-520	Foundations of Marketing Management	1.5
BM-517	Introduction to Management	1.5
BM-518	Introduction to Statistics	3
BM-519	Production and Operations Management	3
Core Requirements (21 credits)		
BA-610	Accounting for Managers	3
BE-611	Managerial Economics	3
BF-612	Corporate Finance	3
BM-613	Managing and Leading in Organizations	3
BK-614	Marketing Management	3
BM-660	Corporate Governance and Organizational Ethics	3
BM-670	Strategic Management	3
Concentration Requirements (15 credits)		
Data Analysis		
BM-620	Management Science and Business Analytics	3
Global		
BK-650	International Marketing Management	3
Select three of the following:		9
BK-639	Promotional Strategy	
BK-640	Consumer Behavior	
Business Marketing (BK) 600-Level Special Topics Class		
Business Marketing (BK) 600-Level Independent Study		
BK-641	Advertising and Media Management	
Total Credits		57

Admission Requirements

1. Possession of a four-year baccalaureate degree and with a minimum GPA of 2.75 and either:
   a. GMAT[1,2,3] or
   b. CPA or CFA licensure.
2. Possession of a four-year baccalaureate degree with a minimum GPA of 3.5 [2].
3. Possession of a four-year baccalaureate degree with a minimum GPA of 3.0 [3] and three years full time work experience.
4. Possession of a Master's or Doctoral degree (MS, MD, JD, PhD, EdD, etc.).

Applicants must also provide:

1. Current résumé.
2. Essay explaining why the applicant wishes to pursue this graduate program (500 words or less).
3. Two letters of recommendation (optional)

[1] *The Graduate Record Exam (GRE) will be considered as a substitute for the GMAT on an equivalent basis. LSAT or Engineering certification exams (FE, PE, SE, PS, FS) may be considered in place of the GMAT.*

[2] *The GMAT will be waived for any applicant with a 3.5 or greater GPA*

[3] *The GMAT will be waived for any applicant with a GPA of 3.0 or greater and 3 years of full time work experience.*

SCHOOL OF EDUCATION

Dean: John E. Henning, Ph.D.

Associate Dean: Wendy Harriott, Ph.D.

Assistant Dean: Tracy Mulvaney, Ed.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 and 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 all students from diverse identities in terms of abilities, age, culture, race, ethnicity, family, lifestyle, and socioeconomic status.

The School of Education consists of four departments:

Department of Curriculum and Instruction
Master of Arts in Teaching (M.A.T.)
The Department of Curriculum and Instruction offers a Master of Arts in Teaching (M.A.T.) degree that leads to an initial certification in:

- Elementary Track (p. 156),
- Secondary Track (p. 159),
- K-12 Track for Art or Music (p. 155),
- K-12 Track for Health and Physical Education (p. 155)
- K-12 Track for Chinese and Spanish (p. 158)

The M.A.T. tracks have options for combining various endorsements:
- English as a Second Language (ESL), (p. 145)
- Teachers of Students with Disabilities (TSD), (p. 145)
- Subject Endorsement in Chinese – Certificate of Eligibility with Advanced Standing (CEAS), (p. 145)
- Bilingual/Bicultural (p. 164)

M.S.Ed. in Literacy
- Literacy (p. 163)

Master of Education (M.Ed.)
- Master of Education (M.Ed.) (p. 163)

Certificate
- Teaching English to Speakers of Other Languages (TESOL) (p. 164)

Graduate Endorsement
- Early Childhood (P-3) (p. 164)

Department of Special Education
M.S.Ed. in Special Education
- Autism (p. 185)
- Autism and Applied Behavior Analysis (p. 185),
- Teacher of Students with Disabilities (p. 186),
- Learning Disabilities Teacher – Consultant Track or (p. 186)
- with Supervisor Endorsement (p. 187)

Graduate Endorsement
- Teacher of Students with Disabilities (p. 189)
- Learning Disabilities Teacher Consultant (post-master's endorsement) (p. 188)

Certificate Programs
- Autism (p. 188), taught completely online
- Applied Behavior Analysis (ABA) (p. 188), taught completely online

Department of Educational Counseling and Leadership
Master of Science in Education (M.S.Ed.)
- Principal (p. 178) (with an option for Principal/School Administrator/Supervisor (p. 178)),
- School Counseling (p. 178),
- Student Affairs and College Counseling (p. 179),

Graduate Endorsements
- Student Assistance Coordinator (p. 180)

Post-master's Endorsements
- Supervisor (p. 180)
- Director of School Counseling Services (p. 180)

Doctorate (Ed.D.)
- Educational Leadership (p. 181)
- Educational Leadership - Higher Education Track (http://catalog.monmouth.edu/graduate-catalog/education/educational-counseling-leadership/educational-leadership-higher-education-track-edd/)

Department of Speech Pathology
Master of Science in Education (M.S.Ed.)
- Speech-Language Pathology (p. 192)

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 these apply to 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.

The School's graduate faculty members are experienced practitioner-scholars whose teaching reflects the most recent theoretical approaches and research that candidates can apply as best practice in diverse classroom and school settings. These governing principles are utilized to develop effective schools and improve student learning. All programs incorporate integrated, clinical field experiences to enable candidates to work with students in school settings and encourage interaction with teachers, administrators, and community stakeholders.

Curriculum and Instruction

Chair: Ruth Morris, Department of Curriculum and Instruction

Master of Arts in Teaching (M.A.T.)

M.A.T. students are expected to have completed the content discipline prior to beginning the graduate program. Some Monmouth University students are admitted to graduate study before a coherent sequence of at least thirty credits in a recognized liberal arts discipline (e.g., art, English, mathematics) has been completed. These students are expected to complete all remaining undergraduate course work at Monmouth University. In cases where the students are unable to take the appropriate classes at Monmouth due to time conflicts, the student may be given permission to take one or all of these discipline-specific courses at a two-year institution. In these limited cases, the Monmouth University M.A.T. students who obtain permission to enroll at two-year institutions while in the M.A.T. program may transfer the credits to Monmouth during their last semester in the M.A.T. program. These credits will be posted to a Monmouth University undergraduate transcript after completion of their M.A.T. program.

Curriculum and Instruction also offers certificate programs. The post-baccalaureate Teaching English to Speakers of other Languages (TESOL) Certificate program provides training to those who are not certified K-12 classroom teachers but are interested in receiving formal TESOL training. This training enables them to teach English as a Second Language in adult communities or abroad.

The subject endorsement in Chinese - Certificate of Eligibility with Advanced Standing (CEAS) is a twenty-four-credit non-degree program (fifteen credits of course work and nine credits of student teaching) that prepares teachers for K-12 Chinese classrooms. Students may apply directly to the program after earning a bachelor's degree in the Chinese language and culture or equivalent. Students with a strong Chinese language and culture background who are seeking a career change to become a first-time teacher may also apply.

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, History, Mathematics, and Spanish) or equivalent to be recommended for the Early Childhood, Elementary, or Content Teaching Credential in New Jersey.

Programs
Masters

- MAT Initial Certification, Elementary Track (K-6 Elementary Certification) (p. 156)
- MAT Initial Certification, Elementary Track (K-6 Elementary Certification) with Endorsement in English as a Second Language (ESL) (p. 157)
- MAT Initial Certification, Elementary Track (K-6 Elementary Certification) with Endorsement in Teacher of Students with Disabilities (p. 158)
- MAT Initial Certification in Art or Music (K-12 Certification and Subject Endorsement) (p. 155)

- MAT Initial Certification with Endorsements in K-12 Education in Health and Physical Education (p. 155)
- MAT Initial Certification, K-12 (Certification K-12 Track and Subject Endorsement); K-12 Certification in: Spanish or Chinese (p. 158)
- MAT Initial Certification, Secondary Track (9-12 Certification and Subject Endorsement) (p. 159)
- MAT Initial Certification, Secondary Track (9-12 Certification and Subject Endorsement) with Endorsement in English as a Second Language (p. 160)
- MAT Initial Certification, Secondary Track (9-12 Certification and Subject Endorsement) with Endorsement in Teacher of Students with Disabilities) (p. 161)
- MAT Initial Certification, Spanish or Chinese (K-12 Certification and Subject Endorsement) with Endorsement in English as a Second Language (p. 162)
- MSEd Literacy (p. 163)
- Master of Education (MEd) (p. 163)

Certificate

- Certificate in TESOL (p. 164)

Endorsements

- Bilingual/Bicultural Graduate Endorsement (p. 164)
- Early Childhood Graduate Endorsement (p. 164)
- English as a Second Language (ESL) Graduate Endorsement (p. 164)
- Subject Endorsement in Chinese - Certificate of Eligibility with Advanced Standing (CEAS) Graduate Endorsement (p. 165)

Faculty

Judith Bazler, Professor (Graduate Faculty). B.S., Northern Illinois University; M.Ed., Ed.D., University of Montana. Specialty is curriculum design and science education and informal science (e.g., museums). Founder of the Smart Discovery Center, Bethlehem, Pennsylvania.
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Antonio Estudillo, Associate Professor (Graduate Faculty). B.S., Washington State University; M.A., Gonzaga University; M.S., Ph.D., Indiana University. Professional interests include educational foundations and diversity.
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John Henning, Professor (Graduate Faculty).
Dean of the School of Education. B.S., Pennsylvania State University; M.Ed., Kent State University; A.D., Stark State College; Ph.D., Educational Psychology , Kent State University, Ohio. Dr. Henning has more than 50 publications; including three books, over thirty refereed journal articles, and seven book chapters. His primary research interests include practice-based teacher education, teacher development, instructional decision-making, and classroom discourse. These interests developed from more than twenty years of experience as a high school teacher.
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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.
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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). 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.
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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.
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Chiu-Yin Wong, Associate 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.
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Vecihi S. Zambak, Assistant 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.
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Courses

ED-EDTPAGR   Education Preparation Voucher Fee for Graduate Students
Credits: None

Term Offered: All Terms
Course Type(s): None
Education Preparation Voucher Fee for Graduate Students.

ED-507   Issues and Problems in Education   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Major issues and problems affecting education are presented with historical perspectives for understanding the context in which these concerns arose.

ED-510   Psychological and Philosophical Foundations of Teaching
Credits: 3

Term Offered: All Terms
Course Type(s): EDFOU
An introduction to education in the United States. Principles and practice for instructional delivery, including curriculum planning, assessment, procedures, instructional technology, culturally and linguistically diverse students, diverse learning needs, classroom management, core curriculum standards, and school organization, are presented. The history of education and philosophical, political, psychological, and social perspectives related to educational practice are explored. Contemporary issues and controversies in American education are highlighted. Clinical experience hours required.

ED-524   Research in Teaching Practice   **Credits: 3**
Term Offered: All Terms
Course Type(s): MAT
Research in education related to contemporary teaching practice will be emphasized. Introduction to qualitative and quantitative approaches from different theoretical perspectives is presented. Content will include: literature reviews, analysis and implication of existing research, classroom observation skills, and the role of the teacher as reflective practitioner. For Education majors only.

ED-528   Middle Level Learning and Teaching   **Credits: 3**
Prerequisite(s): ED-510 and ED-550
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 that are structured for the diverse students that we encounter in our public schools and to create and implement learning experiences that effectively promote academic achievement and personal growth for all middle grade students. Clinical hours required.

ED-529   Content Literacy   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Designed to focus on the development of literacy through the integration of literature and literate thinking across the curriculum for academic-content learning at the secondary level. It emphasizes the implementation of both teaching and learning strategies to develop independent learners. The course includes research-based pedagogical strategies for teaching linguistically diverse students, students with diverse learning needs, and incorporating instructional technology into the classroom. Clinical Practice is required. Limited to Education majors.

ED-533   Contemporary Issues in Science Education   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Examines current topics of special interest in science content and curriculum to a variety of students. Can be designed individually, based on strengths of students and their interest in personal professional development in an area of concentration in science curriculum. Valuable for practicing teachers at the elementary, middle, or high school level and/or those who wish to learn more about science teaching and content.

ED-536   Applied Linguistics for Language Teaching   **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.

ED-537   Science and Society in the Twenty-First Century   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Examines the developments in science knowledge and their impact on society over the last century and predicts changes that might occur in the twenty-first century. We are the only species on earth that has the power to change our environment and the ability to comprehend the universe. Students will explore major scientific advances over the past 100 years and the resulting problems that these advances have wrought. Valuable for practicing teachers at the elementary, middle, or high school level and/or those who wish to learn more about the history and sociology of science.

ED-550   Teaching English Language Learners in Mainstream Classroom   **Credits: 3**
Prerequisite(s): ED-510
Term Offered: All Terms
Course Type(s): MAT, SJEDU
Offered to address issues and research-based pedagogical strategies of teaching English language learners in today's mainstream classrooms. Teacher candidates will explore a variety of instructional strategies and develop cultural knowledge and its application in teaching English language learners. The course also includes incorporating instructional technology into the classroom, and utilizing data to inform instruction.

ED-552   Child and Adolescent Development   **Credits: 3**
Term Offered: All Terms
Course Type(s): EDFOU
Provides an introduction to the field of human development. The content covers the major concepts and theories of child and adolescent growth and developmental from the prenatal period through the teenage years. The purpose of the course is to discuss the historical, cultural, and philosophical groundings of the concepts and practices of children's learning and development and to promote the student's critical thinking skills with respect to those concepts. Through research, educational activities, and observations the course is designed to provide students a framework for promoting a holistic view of development and learning in infants, children, and adolescence, while considering how to nurture diversity and equity. This course includes utilizing data to inform instruction. For Education majors only.

ED-554   Supplemental Instruction in Reading and Mathematics   **Credits: 3**
Prerequisite(s): ED-556 and EDL-575
Term Offered: All Terms
Course Type(s): MAT
Focuses on supplemental instruction for reading and mathematics in educational settings from grades 6-8 but draws heavily on assessment and analysis of student errors from Pre-K to grade five as well. Extensive opportunities for diagnosis and planning for remedial intervention in reading and mathematics will be provided.

ED-556   Teaching Elementary Mathematics   **Credits: 3**
Prerequisite(s): ED-510, ED-550, and ED-552
Term Offered: All Terms
Course Type(s): None
ED 556 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-562   Methods of Teaching Science at the Elementary Level   Credits: 3
Prerequisite(s): ED-510, ED-550, and ED-552
Term Offered: All Terms
Course Type(s): None
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. Education majors only.

ED-563   Assessment and Treatment of Literacy Problems   **Credits: 3**
Prerequisite(s): EDL-503
Term Offered: All Terms
Course Type(s): None
Focus is on authentic assessment and corrective teaching strategies to address literacy problems from a developmental perspective. Techniques and methods for at-risk learners will be emphasized. Strategies that guide students to self-monitor their literacy acquisition will be addressed.

ED-564   Secondary Mathematics Methods, Part I   **Credits: 3**
Prerequisite(s): ED-510, ED-550, and ED-552 and a minimum G.P.A. of 3.00
Term Offered: Fall Term
Course Type(s): None
Focus is 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. The fieldwork component of the course requires clinical practice hours in a secondary public school mathematics classroom and provides candidates with opportunities to translate theory into practice. "Clinical practice hours required."

ED-565   Secondary Mathematics Methods Part II   **Credits: 3**
Prerequisite(s): ED-564 and a minimum G.P.A. of 3.00
Term Offered: Fall Term
Course Type(s): None
The second course in a sequence 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 instruction. 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. The fieldwork component of the course requires clinical practice hours in a secondary public school mathematics classroom and provides candidates with opportunities to translate theory into practice. Clinical practice hours required.

ED-566   Methods of Teaching Science at the Secondary Level I Credits: 3
Prerequisite(s): ED-510, ED-550, and ED-552
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 Core Curriculum Content Standards for science, this course will utilize projects, cases, and problems in real work 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.

ED-567   Methods of Teaching Science at the Secondary Level II
                                                        Credits: 3
Prerequisite(s): ED-566
Term Offered: Fall Term
Course Type(s): None
Science methods for initial M.A.T. students at the secondary level is designed for those with a strong background in science. The intent of this course is to 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. This 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-576   Teaching Social Studies at the Elementary Level   **Credits: 3**
Prerequisite(s): ED-510, ED-550, and ED-552
Term Offered: All Terms
Course Type(s): None
Introduces the P-8 teacher certification candidates to the social studies curriculum and methods. Emphasizes national and state standards for social studies education, cross-cultural integration, particularly world languages and culture, personal and social problem solving, situated cognition in social studies education learning. The essential elements of planning, instruction using technology, and assessment are explored to address the needs of culturally and linguistically diverse learners in social studies education. Clinical Practice is required. Education majors only.

ED-578   Methods of Teaching English at the Secondary Level   Credits: 3
Prerequisite(s): ED-510, ED-550, and ED-552
Term Offered: Fall Term
Course Type(s): None
As a component of the teach-education program, the intention is to introduce to future secondary English/Language Arts teachers the fundamental concepts of curriculum design and instructional planning. To also introduce a variety of approaches to curriculum design with an emphasis on the two distinct but important goals of language arts education: developing general literacy skills and discovering the inner joy of reading literature and using language as a tool for communication. Topics related to decision-making, classroom management, and instructional planning are treated in depth to help prospective teachers master the base competencies at the level of planning to fulfill the requirement for state and national certification. The course includes research-based pedagogical strategies for utilizing data to inform instruction. Education majors only.

ED-579   Teaching Social Studies and Cultural Education at the Secondary Level   **Credits: 3**
Prerequisite(s): ED-510, ED-550, and ED-552
Term Offered: Fall Term
Course Type(s): None
Introduces the middle-and secondary-level teacher certification candidate to social studies curriculum and methods. Emphasizes national and state standards for social studies education curriculum across the traditional social science disciplines. The course will also explore the philosophical and theoretical foundations of social studies education. It provides the candidates with practical strategies necessary for success in teaching culturally and linguistically diverse students and students with diverse learning needs, utilizing instructional technology, and using research and data to assess and inform instruction in the context of social studies. Education majors only.

ED-580   Secondary Social Studies Education Part II   **Credits: 3**
Prerequisite(s): ED-579
Term Offered: Fall Term
Course Type(s): None
Expands and further develops competencies covered in Part I. Instructional methodologies focusing on a constructivist and student-centered approach, using instructional technology, will be explored. Targets strategies for future secondary teachers to teach culturally and linguistically diverse students and students with diverse learning needs and to meet the New Jersey Core Curriculum Content Standards for Social Studies to include: infusing Economics and Geography into the curriculum, developing greater technology coalescence, extending cross-curriculum lesson plans, embracing a pluralistic approach, and expanding multicultural themes. Course design will foster the development of effective inquiry-based curriculum activities making active use of community-based resources and using research and assessment data to inform instruction in the context of social studies. Clinical Practice hours required.

ED-582   World Language Education   **Credits: 3**
Prerequisite(s): ED-529, ED-550, and FO-599
Term Offered: Fall Term
Course Type(s): None
Issues and practices in world language education. Fieldwork is required.

ED-583   Theories and Practice of ESL Instruction Part I   **Credits: 3**
Prerequisite(s): ED-529, ED-550, and EN-563
Term Offered: All Terms
Course Type(s): MAT
With an emphasis on teaching English as a Second Language through content, Part I of this two-semester course will introduce the history of ESL teaching and critically explores 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.

ED-584   Theories and Practice of ESL Instruction Part II   **Credits: 3**
Prerequisite(s): ED-583
Term Offered: All Terms
Course Type(s): None
A continuation of ED-583, this course 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 standards-based content and ESL teaching program. Reflective practice is an integral part of this course. Limited to Education majors only. Clinical hours required.

ED-585   Methods of Teaching English at the Secondary Level Part II
Credits: 3
Prerequisite(s): ED-578
Term Offered: Fall Term
Course Type(s): None
A continuation of ED-578: Methods of Teaching English at the Secondary Level Part I. Part II 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 practice in the use of print and non-print texts and in the integration of the English Language Arts through clinical practice. The NCTE/ILA and the New Jersey Core Content Curriculum Standards will be an integral part of the course. The course includes research-based pedagogical strategies for teaching students with diverse needs, incorporating instructional technology into the classroom, and utilizing data to inform instruction. Clinical practice is required.

ED-586   Bilingual Education: Theories and Practices   **Credits: 3**
Prerequisite(s): ED-583
Term Offered: All Terms
Course Type(s): None
Emphasis on teaching content in bilingual/bicultural education, an understanding of bilingual development and available dual- language program models for language and literacy development. How bilingual/bicultural programs based on community needs can be developed, implemented, and assessed will be explored with the embedded theories and research studies in bilingual/bicultural education carefully examined. Clinical experience hours required.

ED-587   Integrated Methods in K-12 Education   **Credits: 3**
Prerequisite(s): ED-510, ED-550, and ED-552 and a minimum G.P.A. of 3.00
Term Offered: Fall Term
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 utilization data to inform instruction. Education majors only. Clinical Practice hours required.

ED-593   Clinical Practice   **Credits: 9**
Co-requisite(s): ED-EDTPAGR
Term Offered: All Terms
Course Type(s): None
This full-time, full-semester clinical practice in a school setting required 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. Permission of the MAT director is required to register.

ED-594   Supervised Clinical Practice   **Credits: 9**
Co-requisite(s): ED-EDTPA
Term Offered: All Terms
Course Type(s): None
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. Permission of the MAT director is required to register.

ED-596   Methods of Teaching Elementary Physical Education and Health
Credits: 3
Prerequisite(s): ED-510, ED-550, and EDS-500 and a minimum G.P.A. of 3.00
Term Offered: All Terms
Course Type(s): None
Focuses 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-597   Methods of Teaching Secondary Physical Education and Health
Credits: 3
Prerequisite(s): ED-510, ED-550, and EDS-550 and a minimum G.P.A. of 3.00
Term Offered: All Terms
Course Type(s): None
Focuses 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 6th-12th 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.

ED-598   Special Topics in Education   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
The subject matter varies with the interest of the students and the professor teaching the course. The exact nature of the topic covered in any given semester is indicated in the student's transcript. Permission of the program director is required. If a prerequisite is required it will be announced in the course schedule.

ED-599   Independent Study in Education   **Credits: 1-3**
Term Offered: All Terms
Course Type(s): MAT
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-606   Diversity in Education   **Credits: 3**
Term Offered: All Terms
Course Type(s): MAT, SJEDU
In this course, students will explore the field of multicultural education. The nature of the school as a social system will be analyzed and the diversities of various cultures, communities, and ways of thinking will be examined. 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 research-based pedagogical strategies for teaching culturally and linguistically diverse students, incorporating instructional technology into the classroom and utilizing data to inform instruction. Education majors only.

ED-608   Curriculum in the Classroom   **Credits: 3**
Term Offered: All Terms
Course Type(s): EDCUR
Today's practitioners must strike a balance between state and national curriculum standards and the needs and expectations of their own classroom. Candidates will examine various facets of curriculum specific to their professional environment.

ED-610   Education in a Democratic Society   Credits: 3
Term Offered: All Terms
Course Type(s): None
Critical examination of ideas, purposes, and aims of schooling in historical and cultural contexts; explores ethical and research issues related to teaching and learning in ways that enhance democratic practices.

ED-612   Teacher Leadership   Credits: 3
Term Offered: All Terms
Course Type(s): EDCUR
This course is designed to provide an examination of teacher leadership as an opportunity for distributed, school- and district-wide leadership. The course will allow teachers opportunities to develop their own practice and the practices of their colleagues through an understanding of how to use the various leadership lenses of organizational design, strategic decision-making, interpersonal relationships, instructional leadership, and both adaptive and motivational approaches to guiding educators as a teacher to inform the school-improvement work of professional learning communities and job-embedded professional development.

ED-616   Fundamentals of Curriculum Studies   Credits: 3
Term Offered: Fall Term
Course Type(s): None
The emergence of the field from the early twentieth century. Surveys the foundations of the field of curriculum studies at large, examines the standardization movement of the institutional curriculum and culminates in a critical examination of No Child Left Behind (NCLB). Candidates will consider the importance of study tied to socially responsive curricular design.

ED-618   Survey of Curricular Paradigms   Credits: 3
Term Offered: Spring Term
Course Type(s): None
Provides an examination of the field of Curriculum Studies through the lens of key paradigms and perspectives.

ED-620   Philosophy and Curriculum   Credits: 3
Term Offered: Summer Term
Course Type(s): None
Serves to extend the examination of the evolution and current conditions of the field of curriculum studies initiated in fundamentals of curriculum studies. Introduces the work of core philosophies that inform contemporary curriculum work and encourage participants' analysis of various influential voices in the field. Primary goals are to engage in critical discussions about the work of various philosophers who have influenced the field of curriculum studies and conceptualize connections between those works and our daily practice in the field.

ED-624   Research in Teaching Practice   Credits: 3
Term Offered: All Terms
Course Type(s): EDRES
Research in education related to contemporary teaching practice will be emphasized. Introduction to qualitative and quantitative approaches from different theoretical perspectives is presented. Content will include literature reviews, analysis and implication of existing research, classroom observation skills and the role of the teacher as reflective practitioner.

ED-626   Assessment Practice Now and When   Credits: 3
Term Offered: All Terms
Course Type(s): EDAST
Theory and practice of educational testing, development of and use of tests and alternative forms of assessment, analysis and interpretation of assessment results to monitor student progress, inform instruction, evaluate student achievement, and evaluate programs. Emphasis is placed on alternative and authentic forms of assessment that complement and support the standardized testing system. Through examination of techniques and strategies that characterize quality assessment, students will develop a philosophy of assessment supportive of classroom evaluation and understanding that fosters student growth and learning.

ED-630   Research in Curriculum Studies   Credits: 3
Prerequisite(s): ED-624
Term Offered: Spring Term
Course Type(s): None
The possession of effective research skills is an integral and necessary proficiency for success in the field of Curriculum Studies. Candidates will engage in the exploration of both qualitative and quantitative research methodologies. They will then design an investigation, apply for Institutional Research Board approval, and conduct a study relevant to their professional milieu and the field.

ED-632   Classroom Technologies and Educational Media   Credits: 3
Term Offered: Spring Term
Course Type(s): None
Emphasis on commercially available computer software; analysis and evaluation of software design and documentation. Continuation of children's programming languages and word processing. Access to a microcomputer provided.

ED-645   Theories and Practice of ESL Instruction   Credits: 6
Term Offered: All Terms
Course Type(s): None
With an emphasis on teaching English through content, 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 strategies and assessment measures will be introduced and practiced. Both instructional design and implementation will be the focus for practice with the embedded language acquisition/learning theories and research studies carefully examined.

ED-658   Advanced Curriculum Studies   Credits: 3
Term Offered: All Terms
Course Type(s): EDCUR
A comprehensive study of the theory and practice of designing, evaluating, and implementing valid and effective P-12 curricula.

ED-670   Qualitative Research: Principles and Practices   Credits: 3
Term Offered: Fall Term
Course Type(s): None
An introduction to the methods of qualitative research. A reading-based discussion/seminar focusing on methodological issues and an exploration of the variety of methods used in executing qualitative studies. Offers students a theoretical foundation for this form of inquiry and an opportunity to engage in research. Applicable to a variety of social inquiry disciplines.

ED-680   Advanced Professional Development Seminar for Teachers

Credits: 3

Term Offered: Spring Term
Course Type(s): None
This capstone seminar will support candidates for the degree in producing electronic portfolios, teacher research plans for teaching improvement, presentation of research, and self-reflection for future professional growth.

ED-698   Special Topics in Curriculum and Instruction   **Credits: 3**
Term Offered: All Terms
Course Type(s): EDCUR
The subject matter varies with the interest of the candidates and the professor teaching the course. The exact nature of the topic covered in any given semester is indicated on the candidate's transcript. The course curriculum will include a variety of readings, as well as a research-based summative course assessment. Permission of the program director is required to take this course.

ED-699   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. Prior permission of the directing professor and department chair is required to take this course. Application must be filed before registration.

ED-821   Teaching and Learning Theory Practice   **Credits: 3**
Prerequisite(s): OTDP-705
Term Offered: All Terms
Course Type(s): OL
A study of human learning and cognitive organization and process. The content will provide an overview of the development of learning theory and cognitive models since the beginning of the scientific study of human learning and mental processes. It is designed to introduce both the new instructors and the experienced instructor to the learner and the learning process as negotiated within a classroom. The roles of educators and students in the learning process and the impact of the interactive classroom environment on learning are examined. Major theories concerning the learning process and their implications for the instructional process are investigated.

ED-822   Instructional Design, Strategies and Delivery Methods   Credits: 3
Prerequisite(s): ED-821
Term Offered: All Terms
Course Type(s): OL
Designed to create a framework for your understanding of instructional strategies and their effective application in a classroom. The course is based and links to previously acquired knowledge in learning theories and evidence-based teaching. Students will learn about various instructional strategies to enhance interdisciplinary learning experiences in health professions education. Instructional methods will include such collaborative educational models as small and large group teaching, team-based, interactive and experiential case-based learning. Techniques will include the use of simulations as well as teaching at the bedside with a focus on educator behaviors that stimulate achievement of learners. With an appreciated of the diversity of the student body, participants will effectively integrate and apply technology into instruction to develop and deliver health professions curricula including web-based teaching environments, content management systems, collaborative project development, and interactive media with an emphasis on instructional design advancements which affect the learning environment. Evidence of participants' knowledge and application of course topics will be captured in a professional portfolio.

ED-823   Online Learning: Culture and Theory   **Credits: 3**
Prerequisite(s): ED-822
Term Offered: All Terms
Course Type(s): OL
Designed to give adult educators a robust overview of theory-based techniques for teaching online or technology-enhanced courses. The course covers all aspects of online for teaching and reviews the latest research in cognitive processing and related learning outcomes while retaining a focus on the practical. A simple framework of instructional strategies mapped across a four-phase timeline provides a concrete starting point for both new online teachers and experienced teachers designing or revamping an online course. Essential technologies are explored in their basic and expanded forms, and traditional pedagogy serves as the foundation for tips and practices customized for online learning. The tips cover course management, social presence, community building, integration of new technologies, discussion and questioning techniques, assessment, and debriefing, along with new coverage of intensive or accelerated courses, customizing learning strategies, developing expertise, advanced course design, and assessment techniques.

EDL-502   Development and Learning in Early Childhood   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Studies designed to foster understanding of the dynamic continuum of development and learning in children from birth through age eight. Typical and atypical development of young children is addressed through a multicultural perspective. Developmental factors that impact learning in preschool and the primary grades are emphasized. Approaches to learning grounded in developmental theory are presented with an emphasis on developmentally appropriate practice.

EDL-503   Literacy Instruction   **Credits: 3**
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 hours required.

EDL-515   Advanced Literacy Instruction   **Credits: 3**
Term Offered: All Terms
Course Type(s): EDFOU, MAT
Focuses on pedagogy and theories that are applicable to teaching literacy to beginning, struggling, and skilled readers. Topics include approaches for teaching literacy to a diverse population of P-12 Learners in a literate environment and assisting and supporting colleagues and paraprofessionals. Word identification, vocabulary, comprehension, and content strategies will be presented. Education majors only.

EDL-516   Literacy Strategies for All Learners I   **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
Explores word identification and vocabulary research and instructional strategies for all learners including those from culturally diverse backgrounds. Individual and group instructional techniques in the area of phonemic awareness, phonics, word recognition, vocabulary, and fluency are explored in environments that promote collaboration and self-regulation. Instructional teaching strategies and techniques for coaching colleagues and paraprofessionals are practiced in real settings.

EDL-517   Literacy Strategies for All Learners II   **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Addresses comprehension research and instructional strategies for all learners including those from culturally diverse backgrounds. Individual and group comprehension strategies, metacognition, and student self-evaluation are explored and practiced in collaborative education settings. Instructional teaching strategies and techniques for coaching colleagues and paraprofessionals are practiced in real settings.

EDL-521   Early Childhood Family, School and Community Collaboration in a Diverse Society   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Focuses on the process of family assessment and intervention, issues of family and professional collaboration and diversity, and methods of promoting adult communication and management strategies. It applies the knowledge of cultural and linguistic diversity and the significance of socio-cultural and political contexts as they relate to the family, culture and society. It identifies the members of teams designed to support and optimize children's health, growth, and development and the network of community services to individuals, families and groups handicapped by social, environmental, health and related problems.

EDL-522   Early Literacy and Language Development   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Focuses on the early literacy and language development of regular and special education children, ages three through eight. The content includes the study of the theories and acquisition of language, the interrelated nature of reading and writing, the appropriate development and assessment of early literacy, methods for engaging and motivating young learners, and the importance of family involvement.

EDL-525   Multicultural Literature and Literacy   **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Focuses on multicultural literature and how it is integrated into a classroom and/or school-wide literacy program. A wide array of multicultural literature and other genres for children and young adults will be presented, studied and integrated into a Teacher Work Sample. Coaching colleagues and paraprofessionals is emphasized.

EDL-526   Strategies for Teaching Writing, K-12   **Credits: 3**
Term Offered: Summer Term
Course Type(s): None
Provides an in-depth study of strategies for teaching various types of writing to elementary and secondary students. It involves assessing and instructing students who require assistance with the development of written expressive language under the direction of a University supervisor.

EDL-527   Literacy Trends and Issues   **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
Focuses on issues, problems, and trends in the field of literacy. The content includes the study of divergent viewpoints and research regarding theories, instructional strategies, assessment, classroom environment and professional development.

EDL-551   The In's and Out's and Do's and Don'ts of Embracing Technology Tools in the Classroom   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Focuses on the use of educational technology in classroom settings and the strategies, resources, planning, and assessment of an effective program. Addresses collaboration with colleagues regarding the ethical boundaries of excursions, ways to fit in technology that saves time and provides meaningful experiences to learners at all levels and curricular areas. Students will become familiar with relevant text materials and participate in an exploration of resource options for utilizing technology for various purposes during instructional planning and execution of plans. Materials, methods and strategies will be prepared and ready-to-utilize for authentic purposes, upon completion of this course.

EDL-552   Creative Technology: Utilizing Technology to Ignite a Passion for Learning   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Through graphic design and the integration of digital photography, Flip Video, software such as PowerPoint, the Print Shop, and multi-media projection devices, the opportunity to use technology for stimulating, engaging and motivating students will be explored. Enables students to explore and develop exciting learning experiences. Includes ways to utilize resources in routine lesson planning and to make technology an exciting aspect of all lesson plans.

EDL-553   Technology Integration: Methods for Successfully Meeting Diverse Learning Needs Within a Classroom   **Credits: 3**
Prerequisite(s): EDL-551 and EDL-552
Term Offered: Spring Term
Course Type(s): None
Expands further upon the various forms of technology available for classroom use. Students will develop engaging learning activities designed to meet the diverse learning needs within a classroom. Opportunities will be provided to explore the various possibilities for modifications and adaptations made possible via specific technology tools. Helps students maximize learning opportunities through the use of Podcasts, instant messaging, text-to-speech capabilities, WebQuests, and more.

EDL-554   A Proactive Approach to Technology Implementation Across the Curriculum   **Credits: 3**
Prerequisite(s): EDL-551 and EDL-552
Term Offered: Spring Term
Course Type(s): None
Focus is on helping students infuse teaching with meaningful technology across the curriculum. Students will have the opportunity to create, share, demonstrate and showcase a portfolio of resources, strategies, methods and varied options for technology integration through the creation of an authentic classroom technology plan. Through collaboration, guidance practice then independent work, students will embrace all aspects of technology integration and work step-by-step to create a ready-to-use plan.

EDL-560   Early Childhood Curriculum Assessment for Inclusive Environments   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Curriculum and assessment for early childhood programs serving children in preschool through age eight. Multidimensional, ongoing, and performance-based assessment strategies are addressed. Characteristics of developmentally appropriate curricula are explored. Development of learning environments that respect diversity and create opportunities for active participation of all children are emphasized.

EDL-564   Assessment and Instruction in Literacy I   **Credits: 3**
Term Offered: Fall Term
Course Type(s): EDAST
Focuses on the principles of ongoing assessment and instruction of K-12 students' reading and writing development. Strategies to select, use, and interpret appropriate standardized, criterion-referenced, and informal assessment measures will be provided. Techniques for analysis of students' literacy strengths and weaknesses and techniques for coaching colleagues and paraprofessionals will be addressed. Individual and group literacy strategies are explored and practiced in public school classrooms and a clinical setting.

EDL-565   Assessment and Instruction in Literacy II   **Credits: 3**
Prerequisite(s): EDL-564
Term Offered: Spring Term
Course Type(s): None
Focuses on assessment and instructional literacy strategies for assisting all learners, including those with diverse backgrounds. The content includes the theory and practice of portfolio assessment and varied instructional strategies as well as the integration of technology. Individual and group literacy and coaching strategies are explored and practiced in public school classrooms and a clinical setting.

EDL-566   Diagnosis and Remediation of Literacy Problems I, Secondary   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Involves a field-based component, which focuses on assessing and evaluating secondary students' reading and writing. Strategies to select appropriate standardized, criterion-referenced and informal assessment measures will be provided. Techniques for the analysis of literacy difficulties and the formulation of remediation plans will be addressed.

EDL-572   Current Topics in Educational Psychology   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Several important contemporary theoretical, applied, and methodological issues in various areas of educational psychology are selected by the instructor for inclusion in the course. Seminar discussions focus on the critical evaluation of the recent literature in the areas selected.

EDL-575   Methods of Teaching Language Arts and Content Literacy at the Elementary Level   **Credits: 3**
Prerequisite(s): ED-510, ED-550, ED-552 and EDL-503
Term Offered: All Terms
Course Type(s): None
Focuses on the literacy instruction of regular and special education children, including those from linguistically diverse backgrounds in grades P-6, across various content areas. Ongoing assessment and instructional strategies will be explored in various engaging, literate, educational settings. Education majors only. Clinical practice hours required.

EDL-585   Practicum in Literacy   **Credits: 3**
Prerequisite(s): EDL-515, EDL-564 and EDL-565
Term Offered: All Terms
Course Type(s): None
Concentrates on the clinical assessment and instruction of students who have difficulty with reading and writing. The practicum involves instructional sessions, observing colleagues tutoring, and being observed during a seamless assessment and instruction cycle. In addition, self-assessment is encouraged via the use of videotaped teaching sessions and in-depth, collaborative case discussions.

EDL-593   Administration and Supervision of Literacy Practices and Professional Development for School Leaders   **Credits: 3**
Prerequisite(s): EDL-569
Term Offered: All Terms
Course Type(s): None
Focuses on the principles, methods, and materials applicable to the administration, organization, and supervision of literacy programs as well as the coaching of staff and colleagues. Students are involved in observation, supervision, and a long-term staff development program in schools.

MAT Initial Certification in Art or Music (K-12 Certification and Subject Endorsement)

Code	Title	Credits
Requirements (21 credits)		
ED-510	Psychological and Philosophical Foundations of Teaching	3
ED-550	Teaching English Language Learners in Mainstream Classroom	3
ED-529	Content Literacy	3
EDS-500	Foundations of Special Education: Development Across the Lifespan	3
EDS-534	Classroom Management in Inclusive Settings	3
ED-587	Integrated Methods in K-12 Education	3
Select one of the following:		3
	Education (ED), Art (AR) or Music (MU) 500-Level Independent Study	
Electives (15 credits)		
Select two of the following:		6
ED-524	Research in Teaching Practice	
ED-583	Theories and Practice of ESL Instruction Part I	
	Education (ED) 500-Level Independent Study	
ED-606	Diversity in Education	
EDS-535	Technology and Students with Disabilities	
ED-593	Clinical Practice [1]	9
or ED-594	Supervised Clinical Practice	
Total Credits		36

[1] *Students must complete the appropriate test requirement(s) with a passing score prior to student/supervised teaching.*

Sequence Chart

First Year

Fall	Credits	Spring	Credits
ED-510 Psychological and Philosophical Foundations of Teaching	3	ED-529 Content Literacy	3
ED-550 Teaching English Language Learners in Mainstream Classroom	3	EDS-534 Classroom Management in Inclusive Settings	3
EDS-500 Foundations of Special Education: Development Across the Lifespan	3	ED-500 + Elective (please refer to curriculum chart)	3
Semester Credits	9	Semester Credits	9

Second Year

Fall	Credits	Spring	Credits
ED-587 Integrated Methods in K-12 Education	3	ED-593 Clinical Practice or 594	9
AR-599 or ED-599 or MU-599 (please choose according to Subject Endorsement)	3		

ED-500 + Elective (please refer to curriculum chart)		3	
Semester Credits	9 Semester Credits		9

Total Credits 36

Admission Requirements

1. Possession of a baccalaureate degree with a satisfactory overall GPA per state requirements and a 3.0 GPA in the undergraduate major.
2. Two letters of recommendation for graduate study.
3. Résumé.
4. Personal statement of not more than two pages that describes your preparation for study in the program and personal objectives for graduate study.
5. Provide evidence of successfully achieving a minimum score on one of the following tests as a condition of admission to the MAT:
   a. Provide a passing score on the Praxis Core Academic Skills for Educators #5751
   b. Provide an official qualifying score on the SAT, ACT or GRE required for the year in which the exam was taken (see New Jersey Department of Education for details).
6. Students interested in the MAT Initial Certification K-12 in Chinese must have a degree or thirty approved credits in the Chinese language and culture.

Note: Prior to student teaching, the appropriate Praxis Test must be successfully completed, and all content course work and/or conditions of acceptance must be satisfied.

MAT Initial Certification with Endorsements in K-12 Education in Health and Physical Education

Code	Title	Credits
Requirements (21 credits)		
ED-510	Psychological and Philosophical Foundations of Teaching	3
ED-529	Content Literacy	3
ED-550	Teaching English Language Learners in Mainstream Classroom	3
EDS-500	Foundations of Special Education: Development Across the Lifespan	3
EDS-534	Classroom Management in Inclusive Settings	3
ED-596	Methods of Teaching Elementary Physical Education and Health	3
ED-597	Methods of Teaching Secondary Physical Education and Health	3
Electives (6 credits)		
Select two of the following:		6
ED-524	Research in Teaching Practice	
ED-583	Theories and Practice of ESL Instruction Part I	
ED-606	Diversity in Education	
EDS-535	Technology and Students with Disabilities	
Clinical Practice (9 credits)		
Select one of the following Clinical Practice courses:		

ED-593	Clinical Practice [1]	9
or ED-594	Supervised Clinical Practice	
Total Credits		**36**

[1]   *Students must complete the appropriate test requirement(s) with a passing score prior to student/supervised teaching.*

Sequence Chart

First Year

Fall	Credits	Spring	Credits
ED-510 Psychological and Philosophical Foundations of Teaching	3	ED-529 Content Literacy	3
ED-550 Teaching English Language Learners in Mainstream Classroom	3	ED-596 Methods of Teaching Elementary Physical Education and Health	3
EDS-500 Foundations of Special Education: Development Across the Lifespan	3	EDS-534 Classroom Management in Inclusive Settings	3
Semester Credits	9	Semester Credits	9

Second Year

Fall	Credits	Spring	Credits
ED-597 Methods of Teaching Secondary Physical Education and Health	3	ED-593 Clinical Practice or 594	9
ED-500 or EDS-500 + Elective (please see curriculum chart for choices)	6		
Semester Credits	9	Semester Credits	9

Total Credits 36

Admission Requirements

1. Possession of a baccalaureate degree with a satisfactory overall GPA per state requirements and a 3.0 GPA in the undergraduate major.
2. Two letters of recommendation for graduate study.
3. Résumé.
4. Personal statement of not more than two pages that describes your preparation for study in the program and personal objectives for graduate study.
5. Provide evidence of successfully achieving a minimum score on one of the following tests as a condition of admission to the MAT:
   a. Provide a passing score on the Praxis Core Academic Skills for Educators #5751
   b. Provide an official qualifying score on the SAT, ACT or GRE required for the year in which the exam was taken (see New Jersey Department of Education for details).
6. Students interested in the MAT Initial Certification K-12 in Chinese must have a degree or thirty approved credits in the Chinese language and culture.

Note: Prior to student teaching, the appropriate Praxis Test must be successfully completed, and all content course work and/or conditions of acceptance must be satisfied.

MAT Initial Certification, Elementary Track (K-6 Elementary Certification)

Code	Title	Credits
Requirements (36 credits)		
ED-510	Psychological and Philosophical Foundations of Teaching	3
ED-550	Teaching English Language Learners in Mainstream Classroom	3
EDS-500	Foundations of Special Education: Development Across the Lifespan	3
EDS-534	Classroom Management in Inclusive Settings	3
EDL-503	Literacy Instruction	3
ED-556	Teaching Elementary Mathematics	3
ED-562	Methods of Teaching Science at the Elementary Level	3
EDL-575	Methods of Teaching Language Arts and Content Literacy at the Elementary Level	3
ED-576	Teaching Social Studies at the Elementary Level	3
ED-593	Clinical Practice [1]	9
or ED-594	Supervised Clinical Practice	
Total Credits		**36**

[1]   *Students must complete the appropriate test requirement(s) with a passing score prior to student/supervised teaching.*

Note

- The elementary school certification requires completion of Liberal Arts, Science, dual content, or interdisciplinary academic major or a minimum of 60 semester hours/credits in Liberal Arts or Science.

Sequence Chart

First Year

Fall	Credits	Spring	Credits
ED-510 Psychological and Philosophical Foundations of Teaching	3	ED-562 Methods of Teaching Science at the Elementary Level	3
ED-550 Teaching English Language Learners in Mainstream Classroom	3	ED-576 Teaching Social Studies at the Elementary Level	3
EDS-500 Foundations of Special Education: Development Across the Lifespan	3	EDL-503 Literacy Instruction	3
Semester Credits	9	Semester Credits	9

Second Year

Fall	Credits	Spring	Credits
ED-556 Teaching Elementary Mathematics	3	ED-593 Clinical Practice or 594	9
EDL-575 Methods of Teaching Language Arts and Content Literacy at the Elementary Level	3		
EDS-534 Classroom Management in Inclusive Settings	3		
Semester Credits	9	Semester Credits	9

Total Credits 36

Admission Requirements

1. Possession of a baccalaureate degree with a satisfactory overall GPA per state requirements and a 3.0 GPA in the undergraduate major.
2. Two letters of recommendation for graduate study.
3. Résumé.
4. Personal statement of not more than two pages that describes your preparation for study in the program and personal objectives for graduate study.
5. Provide evidence of successfully achieving a minimum score on one of the following tests as a condition of admission to the MAT:
   a. Provide a passing score on the Praxis Core Academic Skills for Educators #5751
   b. Provide an official qualifying score on the SAT, ACT or GRE required for the year in which the exam was taken (see New Jersey Department of Education for details).
6. Students interested in the MAT Initial Certification K-12 in Chinese must have a degree or thirty approved credits in the Chinese language and culture.

Note: Prior to student teaching, the appropriate Praxis Test must be successfully completed, and all content course work and/or conditions of acceptance must be satisfied.

MAT Initial Certification, Elementary Track (K-6 Elementary Certification) with Endorsement in English as a Second Language (ESL)

Code	Title	Credits
Requirements (45 credits)		
ED-510	Psychological and Philosophical Foundations of Teaching	3
ED-550	Teaching English Language Learners in Mainstream Classroom	3
EDS-500	Foundations of Special Education: Development Across the Lifespan	3
EDS-534	Classroom Management in Inclusive Settings	3
EDL-503	Literacy Instruction	3
ED-556	Teaching Elementary Mathematics	3
ED-562	Methods of Teaching Science at the Elementary Level	3
EDL-575	Methods of Teaching Language Arts and Content Literacy at the Elementary Level	3
ED-576	Teaching Social Studies at the Elementary Level	3
EN-563	Linguistics and the English Language	3
or ED-536	Applied Linguistics for Language Teaching	
ED-583	Theories and Practice of ESL Instruction Part I	3
ED-584	Theories and Practice of ESL Instruction Part II	3
ED-593	Clinical Practice [1]	9

or ED-594	Supervised Clinical Practice	
Total Credits		45

[1] *Students must complete the appropriate test requirement(s) with a passing score prior to student/supervised teaching.*

Note

- The elementary school certification requires completion of Liberal Arts, Science, dual content, or interdisciplinary academic major or a minimum of 60 semester hours/credits in Liberal Arts or Science.

Sequence Chart

First Year

Fall	Credits	Spring	Credits
ED-510 Psychological and Philosophical Foundations of Teaching	3	ED-562 Methods of Teaching Science at the Elementary Level	3
ED-550 Teaching English Language Learners in Mainstream Classroom	3	ED-576 Teaching Social Studies at the Elementary Level	3
EDS-500 Foundations of Special Education: Development Across the Lifespan	3	EDS-534 Classroom Management in Inclusive Settings	3
Semester Credits	9	Semester Credits	9
Second Year			
Fall	Credits	Spring	Credits
ED-536 Applied Linguistics for Language Teaching	3	ED-556 Teaching Elementary Mathematics	3
ED-583 Theories and Practice of ESL Instruction Part I	3	ED-584 Theories and Practice of ESL Instruction Part II	3
EDL-503 Literacy Instruction	3	EDL-575 Methods of Teaching Language Arts and Content Literacy at the Elementary Level	3
Semester Credits	9	Semester Credits	9
Third Year			
Fall	Credits		
ED-593 Clinical Practice or 594	9		
Semester Credits	9		

Total Credits 45

Admission Requirements

1. Possession of a baccalaureate degree with a satisfactory overall GPA per state requirements and a 3.0 GPA in the undergraduate major.
2. Two letters of recommendation for graduate study.
3. Résumé.
4. Personal statement of not more than two pages that describes your preparation for study in the program and personal objectives for graduate study.
5. Provide evidence of successfully achieving a minimum score on one of the following tests as a condition of admission to the MAT:
   a. Provide a passing score on the Praxis Core Academic Skills for Educators #5751
   b. Provide an official qualifying score on the SAT, ACT or GRE required for the year in which the exam was taken (see New Jersey Department of Education for details).
6. Students interested in the MAT Initial Certification K-12 in Chinese must have a degree or thirty approved credits in the Chinese language and culture.

Note: Prior to student teaching, the appropriate Praxis Test must be successfully completed, and all content course work and/or conditions of acceptance must be satisfied.

MAT Initial Certification, Elementary Track (K-6 Elementary Certification) with Endorsement in Teacher of Students with Disabilities

Code	Title	Credits
Requirements (48 credits)		
ED-510	Psychological and Philosophical Foundations of Teaching	3
ED-550	Teaching English Language Learners in Mainstream Classroom	3
EDS-500	Foundations of Special Education: Development Across the Lifespan	3
EDL-503	Literacy Instruction	3
ED-556	Teaching Elementary Mathematics	3
ED-562	Methods of Teaching Science at the Elementary Level	3
EDL-575	Methods of Teaching Language Arts and Content Literacy at the Elementary Level	3
ED-576	Teaching Social Studies at the Elementary Level	3
EDS-535	Technology and Students with Disabilities	3
EDS-537	Collaborating with Families, Students, and Professionals in Community and Educational Settings	3
EDS-534	Classroom Management in Inclusive Settings	3
EDS-572	Assessment Strategies and Applications in the Classroom	3
EDS-552	Methods of Teaching Students with Disabilities	3
ED-593 or ED-594	Clinical Practice [1] Supervised Clinical Practice	9
Total Credits		**48**

[1] *Students must complete the appropriate test requirement(s) with a passing score prior to student/supervised teaching.*

Note

- The elementary school certification requires completion of Liberal Arts, Science, dual content, or interdisciplinary academic major or a minimum of 60 semester hours/credits in Liberal Arts or Science.

Sequence Chart

First Year

Fall	Credits	Spring	Credits
ED-510 Psychological and Philosophical Foundations of Teaching	3	EDL-503 Literacy Instruction	3
ED-550 Teaching English Language Learners in Mainstream Classroom	3	ED-562 Methods of Teaching Science at the Elementary Level	3
EDS-500 Foundations of Special Education: Development Across the Lifespan	3	ED-576 Teaching Social Studies at the Elementary Level	3
Semester Credits	9	Semester Credits	9

Second Year

Fall	Credits	Spring	Credits
EDS-534 Classroom Management in Inclusive Settings	3	ED-556 Teaching Elementary Mathematics	3
EDS-535 Technology and Students with Disabilities	3	EDL-575 Methods of Teaching Language Arts and Content Literacy at the Elementary Level	3
EDS-537 Collaborating with Families, Students, and Professionals in Community and Educational Settings	3	EDS-572 Assessment Strategies and Applications in the Classroom	3
Semester Credits	9	Semester Credits	9

Third Year

Fall	Credits
EDS-552 Methods of Teaching Students with Disabilities	3
ED-593 Clinical Practice or 594	9
Semester Credits	12

Total Credits 48

Admission Requirements

1. Possession of a baccalaureate degree with a satisfactory overall GPA per state requirements and a 3.0 GPA in the undergraduate major.
2. Two letters of recommendation for graduate study.
3. Résumé.
4. Personal statement of not more than two pages that describes your preparation for study in the program and personal objectives for graduate study.
5. Provide evidence of successfully achieving a minimum score on one of the following tests as a condition of admission to the MAT:
   a. Provide a passing score on the Praxis Core Academic Skills for Educators #5751
   b. Provide an official qualifying score on the SAT, ACT or GRE required for the year in which the exam was taken (see New Jersey Department of Education for details).
6. Students interested in the MAT Initial Certification K-12 in Chinese must have a degree or thirty approved credits in the Chinese language and culture.

Note: Prior to student teaching, the appropriate Praxis Test must be successfully completed, and all content course work and/or conditions of acceptance must be satisfied.

MAT Initial Certification, K-12 (Certification K-12 Track and Subject Endorsement); K-12 Certification in: Spanish or Chinese

Code	Title	Credits
Requirements (24 credits)		
ED-510	Psychological and Philosophical Foundations of Teaching	3
ED-550	Teaching English Language Learners in Mainstream Classroom	3
ED-529	Content Literacy	3

EDS-500	Foundations of Special Education: Development Across the Lifespan	3
EDS-534	Classroom Management in Inclusive Settings	3
Foreign Language (FO) 500-Level Independent Study		3
Education (ED) or Spanish (FS) 500-Level Independent Study		3
ED-582	World Language Education	3
Oral Proficiency Interview (0 credits)		
FO-LTIOPI	Oral Proficiency Interview [1]	0
	Spanish (Advanced Low)	
	Chinese (Interm. High)	
Electives (12 credits)		
Select one of the following:		3
ED-524	Research in Teaching Practice	
ED-583	Theories and Practice of ESL Instruction Part I	
	Education (ED) 500-Level Independent Study	
ED-606	Diversity in Education	
EDS-535	Technology and Students with Disabilities	
ED-593	Clinical Practice [2]	9
or ED-594	Supervised Clinical Practice	
Total Credits		36

[1] *LTI-OPI taken with* Language Testing International. *(https://www.languagetesting.com/)*

[2] *Students must complete the appropriate test requirement(s) with a passing score prior to student/supervised teaching.*

Sequence Chart

First Year

Fall	Credits	Spring	Credits
ED-510 Psychological and Philosophical Foundations of Teaching	3	ED-529 Content Literacy	3
ED-550 Teaching English Language Learners in Mainstream Classroom	3	EDS-534 Classroom Management in Inclusive Settings	3
EDS-500 Foundations of Special Education: Development Across the Lifespan	3	Education 500-Level Independent Study	3
Semester Credits	9	Semester Credits	9

Second Year

Fall	Credits	Spring	Credits
ED-582 World Language Education	3	ED-593 Clinical Practice or 594	9
ED-500 Elective	3		
Foreign Language 500-Level Independent Study	3		
Semester Credits	9	Semester Credits	9

Total Credits 36

[1] *ED-599: NCATE for Chinese; FS-599: Introduction to Linguistics for Spanish*

Admission Requirements

1. Possession of a baccalaureate degree with a satisfactory overall GPA per state requirements and a 3.0 GPA in the undergraduate major.
2. Two letters of recommendation for graduate study.
3. Résumé.
4. Personal statement of not more than two pages that describes your preparation for study in the program and personal objectives for graduate study.
5. Provide evidence of successfully achieving a minimum score on one of the following tests as a condition of admission to the MAT:
   a. Provide a passing score on the Praxis Core Academic Skills for Educators #5751
   b. Provide an official qualifying score on the SAT, ACT or GRE required for the year in which the exam was taken (see New Jersey Department of Education for details).
6. Students interested in the MAT Initial Certification K-12 in Chinese must have a degree or thirty approved credits in the Chinese language and culture.

Note: Prior to student teaching, the appropriate Praxis Test must be successfully completed, and all content course work and/or conditions of acceptance must be satisfied.

MAT Initial Certification, Secondary Track (9-12 Certification and Subject Endorsement)

Subject Endorsements in: English, Mathematics, Science, and Social Studies

Code	Title	Credits
Requirements (36 credits)		
ED-510	Psychological and Philosophical Foundations of Teaching	3
ED-550	Teaching English Language Learners in Mainstream Classroom	3
ED-529	Content Literacy	3
EDS-500	Foundations of Special Education: Development Across the Lifespan	3
EDS-534	Classroom Management in Inclusive Settings	3
Content Methods		
Select two of the following Content Methods courses:		6
Content Method I		
ED-566	Methods of Teaching Science at the Secondary Level I	
ED-578	Methods of Teaching English at the Secondary Level	
ED-564	Secondary Mathematics Methods, Part I	
ED-579	Teaching Social Studies and Cultural Education at the Secondary Level	
Content Method II		
ED-567	Methods of Teaching Science at the Secondary Level II	
ED-585	Methods of Teaching English at the Secondary Level Part II	
ED-565	Secondary Mathematics Methods Part II	
ED-580	Secondary Social Studies Education Part II	
Select two of the following:		6

ED-606	Diversity in Education	
ED-583	Theories and Practice of ESL Instruction Part I	
EDS-535	Technology and Students with Disabilities	
Education (ED) 500-Level Independent Study		
ED-524	Research in Teaching Practice	
ED-593	Clinical Practice [1]	9
or ED-594	Supervised Clinical Practice	
Total Credits		36

[1] *Students must complete the appropriate test requirement(s) with a passing score prior to student/supervised teaching.*

Sequence Chart

First Year

Fall	Credits	Spring	Credits
ED-510 Psychological and Philosophical Foundations of Teaching	3	ED-529 Content Literacy	3
ED-550 Teaching English Language Learners in Mainstream Classroom	3	EDS-534 Classroom Management in Inclusive Settings	3
EDS-500 Foundations of Special Education: Development Across the Lifespan	3	ED-500 Elective or EDS-500 Elective (please refer to curriculum chart for choices)	3
Semester Credits		9 Semester Credits	9

Second Year

Fall	Credits	Spring	Credits
Content Methods I (please refer to curriculum chart)	3	ED-593 Clinical Practice or 594	9
Content Methods II (please refer to curriculum chart)	3		
ED-500 or EDS-500 + Elective (please refer to curriculum chart for choices)	3		
Semester Credits		9 Semester Credits	9

Total Credits 36

Admission Requirements

1. Possession of a baccalaureate degree with a satisfactory overall GPA per state requirements and a 3.0 GPA in the undergraduate major.
2. Two letters of recommendation for graduate study.
3. Résumé.
4. Personal statement of not more than two pages that describes your preparation for study in the program and personal objectives for graduate study.
5. Provide evidence of successfully achieving a minimum score on one of the following tests as a condition of admission to the MAT:
   a. Provide a passing score on the Praxis Core Academic Skills for Educators #5751
   b. Provide an official qualifying score on the SAT, ACT or GRE required for the year in which the exam was taken (see New Jersey Department of Education for details).
6. Students interested in the MAT Initial Certification K-12 in Chinese must have a degree or thirty approved credits in the Chinese language and culture.

Note: Prior to student teaching, the appropriate Praxis Test must be successfully completed, and all content course work and/or conditions of acceptance must be satisfied.

MAT Initial Certification, Secondary Track (9-12 Certification and Subject Endorsement) with Endorsement in English as a Second Language

Subject Endorsements in: English, Mathematics, Science, or Social Studies

Code	Title	Credits
Requirements (39 credits)		
ED-510	Psychological and Philosophical Foundations of Teaching	3
ED-550	Teaching English Language Learners in Mainstream Classroom	3
ED-529	Content Literacy	3
EDS-500	Foundations of Special Education: Development Across the Lifespan	3
EDS-534	Classroom Management in Inclusive Settings	3
Content Methods		
Select two of the following Content Method courses:		6
Content Method I		
ED-566	Methods of Teaching Science at the Secondary Level I	
ED-578	Methods of Teaching English at the Secondary Level	
ED-564	Secondary Mathematics Methods, Part I	
ED-579	Teaching Social Studies and Cultural Education at the Secondary Level	
Content Methods II		
ED-567	Methods of Teaching Science at the Secondary Level II	
ED-585	Methods of Teaching English at the Secondary Level Part II	
ED-565	Secondary Mathematics Methods Part II	
ED-580	Secondary Social Studies Education Part II	
EN-563	Linguistics and the English Language	3
or ED-536	Applied Linguistics for Language Teaching	
ED-583	Theories and Practice of ESL Instruction Part I	3
ED-584	Theories and Practice of ESL Instruction Part II	3
ED-593	Clinical Practice [1]	9
or ED-594	Supervised Clinical Practice	
Total Credits		39

[1] *Students must complete the appropriate test requirement(s) with a passing score prior to student/supervised teaching.*

Sequence Chart

First Year

Fall	Credits	Spring	Credits
ED-510 Psychological and Philosophical Foundations of Teaching	3	ED-529 Content Literacy	3
ED-550 Teaching English Language Learners in Mainstream Classroom	3	EDS-534 Classroom Management in Inclusive Settings	3
EDS-500 Foundations of Special Education: Development Across the Lifespan	3		
Semester Credits	9	Semester Credits	6

Second Year

Fall	Credits	Spring	Credits
ED-536 Applied Linguistics for Language Teaching	3	ED-584 Theories and Practice of ESL Instruction Part II	3
ED-583 Theories and Practice of ESL Instruction Part I	3	Content Methods I (please refer to curriculum chart for course)	3
		Content Methods II (please refer to curriculum chart for course)	3
Semester Credits	6	Semester Credits	9

Third Year

Fall	Credits
ED-593 Clinical Practice or 594	9
Semester Credits	9

Total Credits 39

Admission Requirements

1. Possession of a baccalaureate degree with a satisfactory overall GPA per state requirements and a 3.0 GPA in the undergraduate major.
2. Two letters of recommendation for graduate study.
3. Résumé.
4. Personal statement of not more than two pages that describes your preparation for study in the program and personal objectives for graduate study.
5. Provide evidence of successfully achieving a minimum score on one of the following tests as a condition of admission to the MAT:
   a. Provide a passing score on the Praxis Core Academic Skills for Educators #5751
   b. Provide an official qualifying score on the SAT, ACT or GRE required for the year in which the exam was taken (see New Jersey Department of Education for details).
6. Students interested in the MAT Initial Certification K-12 in Chinese must have a degree or thirty approved credits in the Chinese language and culture.

Note: Prior to student teaching, the appropriate Praxis Test must be successfully completed, and all content course work and/or conditions of acceptance must be satisfied.

MAT Initial Certification, Secondary Track (9-12 Certification and Subject Endorsement) with Endorsement in Teacher of Students with Disabilities

Subject Endorsements in: English, Mathematics, Science, or Social Studies

Code	Title	Credits
Requirements (15 credits)		
ED-510	Psychological and Philosophical Foundations of Teaching	3
ED-550	Teaching English Language Learners in Mainstream Classroom	3
ED-529	Content Literacy	3
EDS-500	Foundations of Special Education: Development Across the Lifespan	3
EDS-534	Classroom Management in Inclusive Settings	3
Content Methods (6 credits)		
Select two of the following Content Methods courses:		6
Content Methods I		
ED-566	Methods of Teaching Science at the Secondary Level I	
ED-578	Methods of Teaching English at the Secondary Level	
ED-564	Secondary Mathematics Methods, Part I	
ED-579	Teaching Social Studies and Cultural Education at the Secondary Level	
Content Methods II		
ED-567	Methods of Teaching Science at the Secondary Level II	
ED-585	Methods of Teaching English at the Secondary Level Part II	
ED-565	Secondary Mathematics Methods Part II	
ED-580	Secondary Social Studies Education Part II	
Electives (12 credits)		
EDS-535	Technology and Students with Disabilities	3
EDS-537	Collaborating with Families, Students, and Professionals in Community and Educational Settings	3
EDS-552	Methods of Teaching Students with Disabilities	3
EDS-572	Assessment Strategies and Applications in the Classroom	3
Clinical Practice (9 credits)		
Select one of the following Clinical Practice courses:		
ED-593	Clinical Practice [1]	9
or ED-594	Supervised Clinical Practice	
Total Credits		42

[1]   Students must complete the appropriate test requirement(s) with a passing score prior to student/supervised teaching.

Sequence Chart

First Year

Fall	Credits	Spring	Credits
ED-510 Psychological and Philosophical Foundations of Teaching	3	ED-529 Content Literacy	3
ED-550 Teaching English Language Learners in Mainstream Classroom	3	EDS-534 Classroom Management in Inclusive Settings	3
EDS-500 Foundations of Special Education: Development Across the Lifespan	3	EDS-537 Collaborating with Families, Students, and Professionals in Community and Educational Settings	3
Semester Credits	9	Semester Credits	9

Second Year

Fall	Credits	Spring	Credits
EDS-535 Technology and Students with Disabilities	3	EDS-552 Methods of Teaching Students with Disabilities	3
EDS-572 Assessment Strategies and Applications in the Classroom	3	Content Methods I (select course by content area from the curriculum chart)	3
		Content Methods II (select course by content area from the curriculum chart)	3
Semester Credits	6	Semester Credits	9

Third Year

Fall	Credits		
ED-593 Clinical Practice or 594	9		
Semester Credits	9		

Total Credits 42

Admission Requirements

1. Possession of a baccalaureate degree with a satisfactory overall GPA per state requirements and a 3.0 GPA in the undergraduate major.
2. Two letters of recommendation for graduate study.
3. Résumé.
4. Personal statement of not more than two pages that describes your preparation for study in the program and personal objectives for graduate study.
5. Provide evidence of successfully achieving a minimum score on one of the following tests as a condition of admission to the MAT:
   a. Provide a passing score on the Praxis Core Academic Skills for Educators #5751
   b. Provide an official qualifying score on the SAT, ACT or GRE required for the year in which the exam was taken (see New Jersey Department of Education for details).
6. Students interested in the MAT Initial Certification K-12 in Chinese must have a degree or thirty approved credits in the Chinese language and culture.

Note: Prior to student teaching, the appropriate Praxis Test must be successfully completed, and all content course work and/or conditions of acceptance must be satisfied.

MAT Initial Certificaton, Spanish or Chinese (K-12 Certification and Subject Endorsement) with Endorsement in English as a Second Language

Code	Title	Credits
Requirements (39 credits)		
ED-510	Psychological and Philosophical Foundations of Teaching	3
ED-550	Teaching English Language Learners in Mainstream Classroom	3
ED-529	Content Literacy	3
EDS-500	Foundations of Special Education: Development Across the Lifespan	3
EDS-534	Classroom Management in Inclusive Settings	3
Foreign Language (FO) 500-Level Independent Study		3
Education (ED) or Spanish (FS) 500-Level Independent Study		3
ED-582	World Language Education	3
FO-LTIOPI	Oral Proficiency Interview [1]	0
	Spanish (Advanced Low)	
	Chinese (Interm. High)	
ED-563	Assessment and Treatment of Literacy Problems	3
or ED-536	Applied Linguistics for Language Teaching	
ED-584	Theories and Practice of ESL Instruction Part II	3
ED-593	Clinical Practice [2]	9
or ED-594	Supervised Clinical Practice	
Total Credits		39

[1] *LTI-OPI taken with* Language Testing International (https://www.languagetesting.com).

[2] *Students must complete the appropriate test requirement(s) with a passing score prior to student/supervised teaching.*

Sequence Chart

First Year

Fall	Credits	Spring	Credits
ED-510 Psychological and Philosophical Foundations of Teaching	3	ED-529 Content Literacy	3
ED-550 Teaching English Language Learners in Mainstream Classroom	3	EDS-534 Classroom Management in Inclusive Settings	3
EDS-500 Foundations of Special Education: Development Across the Lifespan	3	Education (ED) or Spanish (FS) 500-Level Independent Study[1]	3
Semester Credits	9	Semester Credits	9

Second Year

Fall	Credits	Spring	Credits
ED-536 Applied Linguistics for Language Teaching	3	ED-584 Theories and Practice of ESL Instruction Part II	3

ED-582 World Language Education	3	Foreign Language (FO) 500-Level Independent Study	3
Semester Credits	6	Semester Credits	6
Third Year			
Fall	**Credits**		
ED-593 Clinical Practice or 594	9		
Semester Credits	9		

Total Credits 39

[1] *ED-599, NCATE for Chinese or FS-599, Introduction to Linguistics for Spanish*

Admission Requirements

1. Possession of a baccalaureate degree with a satisfactory overall GPA per state requirements and a 3.0 GPA in the undergraduate major.
2. Two letters of recommendation for graduate study.
3. Résumé.
4. Personal statement of not more than two pages that describes your preparation for study in the program and personal objectives for graduate study.
5. Provide evidence of successfully achieving a minimum score on one of the following tests as a condition of admission to the MAT:
   a. Provide a passing score on the Praxis Core Academic Skills for Educators #5751
   b. Provide an official qualifying score on the SAT, ACT or GRE required for the year in which the exam was taken (see New Jersey Department of Education for details).
6. Students interested in the MAT Initial Certification K-12 in Chinese must have a degree or thirty approved credits in the Chinese language and culture.

Note: Prior to student teaching, the appropriate Praxis Test must be successfully completed, and all content course work and/or conditions of acceptance must be satisfied.

MSEd Literacy

Code	Title	Credits
EDL-515	Advanced Literacy Instruction	3
EDL-516	Literacy Strategies for All Learners I	3
EDL-517	Literacy Strategies for All Learners II	3
EDL-525	Multicultural Literature and Literacy	3
EDL-526	Strategies for Teaching Writing, K-12	3
EDL-527	Literacy Trends and Issues	3
EDL-564	Assessment and Instruction in Literacy I	3
EDL-565	Assessment and Instruction in Literacy II	3
EDL-585	Practicum in Literacy	3
EDL-593	Administration and Supervision of Literacy Practices and Professional Development for School Leaders	3
Total Credits		30

Admission Requirements

1. Applicant must be a certified teacher. (Does not apply to MSEd School Counseling and Student Affairs College Counseling, Autism/ABA or Autism.)

2. Possession of a baccalaureate degree with a satisfactory overall GPA per state requirements (see New Jersey Department of Education for details) and a 3.0 in the undergraduate major.
3. Two letters of recommendation related to the applicant's competence for this graduate program and professional work.
4. Essay (500 words or more). For School Counseling and Student Affairs and College Counseling, the essay must discuss why social justice is important to the applicant and how the applicant forsees utilizing this training in his/her future career as a school counselor or student affairs professional. For all other MSED programs the essay must explain why the applicant wishes to pursue the graduate program of their choice.
5. Students applying to the MSEd School Counseling and MSEd Student Affairs and College Counseling programs must participate in a group interview.

Note: Upon completion of the Principal/School Administrator/Supervisor Program, you must provide documentation evidencing completion of five years of successful educational experience under a valid provisional or standard New Jersey or equivalent out-of-state certificate to be eligible for the endorsement.

Master of Education (MEd)

Code	Title	Credits
	Social Justice in Education: Select one course designated with the course type SJEDU	3
	Education Foundations: Select one course designed with the course type: EDFOU	3
	Education Research: Select one course designated with the course type: EDRES	3
	Education Curriculum: Select one course designated with the course tyhpe: EDCUR	3
	Education Assessment: Select one course designated with the course type: EDAST	3
	Electives: Select 15 credits of advisor-approved courses from an area of interest	15
Total Credits		30

Admission Requirements

1. Possession of a baccalaureate degree with an overall GPA per state requirement (see website for details).
2. Two letters of recommendation related to the applicant's competence for graduate study.
3. Essay (500 words or more) explaining why the applicant wishes to pursue this graduate program.
4. Resume.
5. Teaching certification may be required based on program of study.

Certificate in TESOL

Code	Title	Credits
Requirements (18 credits)		
EN-563	Linguistics and the English Language	3
or ED-536	Applied Linguistics for Language Teaching	
ED-606	Diversity in Education	3
ED-529	Content Literacy	3
or EN-558	Teaching Composition	
ED-550	Teaching English Language Learners in Mainstream Classroom	3
ED-583	Theories and Practice of ESL Instruction Part I	3
ED-584	Theories and Practice of ESL Instruction Part II	3
Total Credits		18

Note

- Non-native speakers of English are required to take and pass the English Oral Proficiency Interview (OPI) and the Writing Proficiency Test (WPT). Contact the Language Testing International Center (https://www.languagetesting.com). Monmouth University's School of Education requires a copy of the proficiency certificates for both the OPI and WPT.
- This Certificate **does not lead** to the NJDOE ESL Endorsement.

Admission Requirements

1. Possession of a baccalaureate degree with a minimum 3.0 overall in the undergraduate major.
2. A passing score for the Oral Proficiency Interview (OPI) in the English Language for non-native speakers of English.

Bilingual/Bicultural Graduate Endorsement

Code	Title	Credits
Requirements (12 credits)		
EN-563	Linguistics and the English Language	3
or ED-536	Applied Linguistics for Language Teaching	
ED-583	Theories and Practice of ESL Instruction Part I	3
ED-584	Theories and Practice of ESL Instruction Part II	3
ED-586	Bilingual Education: Theories and Practices	3
Total Credits		12

Admission Requirements

1. A degree in a K-12 school curriculum content area other than foreign language or English as a Second Language.
2. Certificate of eligibility with advanced standing, or a standard New Jersey instructional certificate of eligibility with a teaching position in an ESL/Bilingual setting.
3. A passing score for nationally recognized test of oral and written proficiency in both English and the target language.

Early Childhood Graduate Endorsement

Code	Title	Credits
Requirements (24 credits)		
EDL-502	Development and Learning in Early Childhood	3
EDL-521	Early Childhood Family, School and Community Collaboration in a Diverse Society	3
EDL-522	Early Literacy and Language Development	3
EDL-560	Early Childhood Curriculum Assessment for Inclusive Environments	3
EDL-515	Advanced Literacy Instruction	3
EDS-500	Foundations of Special Education: Development Across the Lifespan	3
EDS-530	Research Issues and Trends in Special Education	3
ED-606	Diversity in Education	3
Total Credits		24

Admission Requirements

1. Applicant must be a certified teacher. (Does not apply to MSEd School Counseling and Student Affairs College Counseling, Autism/ABA or Autism.)
2. Possession of a baccalaureate degree with a satisfactory overall GPA per state requirements (see New Jersey Department of Education for details) and a 3.0 in the undergraduate major.
3. Two letters of recommendation related to the applicant's competence for this graduate program and professional work.
4. Essay (500 words or more).

(If the applicant is not a certified teacher, the applicant must be enrolled in a specialized alternate route program and be employed in a P-3 position requiring certification.)

English as a Second Language (ESL) Graduate Endorsement

Code	Title	Credits
Requirements (18 credits)		
EN-563	Linguistics and the English Language	3
or ED-536	Applied Linguistics for Language Teaching	
ED-606	Diversity in Education	3
EDL-575	Methods of Teaching Language Arts and Content Literacy at the Elementary Level	3
or ED-529	Content Literacy	
ED-550	Teaching English Language Learners in Mainstream Classroom	3
ED-583	Theories and Practice of ESL Instruction Part I	3
ED-584	Theories and Practice of ESL Instruction Part II	3
Total Credits		18

Admission Requirements

1. A bachelor's degree (BA or BS) with a satisfactory overall GPA per state requirements (see New Jersey Department of Education for details).
2. A standard New Jersey Instructional Certificate or a CEAS. If the applicant is not a certified teacher, the applicant must hold a New Jersey Certificate of Eligibility and be employed in an ESL position requiring certification.

As an added part of an initial certificate program:

1. Admission into any of the Monmouth University Initial Teaching Certification Programs (MAT).

Subject Endorsement in Chinese - Certificate of Eligibility with Advanced Standing (CEAS) Graduate Endorsement

Code	Title	Credits
Requirements (24 credits)		
ED-510	Psychological and Philosophical Foundations of Teaching	3
ED-550	Teaching English Language Learners in Mainstream Classroom	3
ED-582	World Language Education	3
	Foreign Language (FO) 500-Level Independent Study	3
	Education (ED) 500-Level Independent Study	3
FO-LTIOPI	Oral Proficiency Interview (Interm. High) [1]	0
ED-593	Clinical Practice [2]	9
or ED-594	Supervised Clinical Practice	
Total Credits		24

[1] *LTIOPI taken with* Language Testing International *(https://www.languagetesting.com).*

[2] *Passing score required prior to student/supervised teaching*

Note

- Subject certification in Chinese requires a minimum of thirty credits in a coherent sequence in the language and cultures of China.

Admission Requirements

1. A minimum of 30 credits in Chinese, which may include the art, culture, economics, history, and/or literature of China.
2. Possession of a baccalaureate degree with a satisfactory overall GPA per state requirements and a 3.0 GPA in the undergraduate major.
3. Two letters of recommendation for graduate study.
4. Résumé.
5. Personal statement of not more than two pages that describes your preparation for study in the program and personal objectives for graduate study.
6. Provide evidence of successfully achieving a minimum score on one of the following tests as a condition of admission to the MAT:
   a. Provide a passing score on the Praxis Core Academic Skills for Educators #5751
   b. Provide an official qualifying score on the SAT, ACT or GRE required for the year in which the exam was taken (see New Jersey Department of Education for details).
7. Students interested in the MAT Initial Certification K-12 in Chinese must have a degree or thirty approved credits in the Chinese language and culture.

Note: Prior to student teaching, the appropriate Praxis Test must be successfully completed, and all content course work and/or conditions of acceptance must be satisfied.

Educational Counseling and Leadership

Chair: Walter Greason, Department of Educational Counseling and Leadership

Doctor of Education (Ed.D.) Educational Leadership

The Doctor of Education (Ed.D.) in Educational Leadership program at Monmouth University will provide a rigorous experience in leading transformational change in schools. To foster transformative leadership, this program will use a practice-based approach to professional learning and development. By practice-based approach, it is meant that learning will occur through experience and reflection, a process that involves both doing and thinking. In an experiential model of learning, thought is generated through actions that occur as part of lived experiences.

The purpose of the Monmouth University Ed.D. is to develop leaders who are skilled in both practice and theory of leadership during the change process. The curriculum is designed around a transformational leadership project that involves designing, piloting, and implementing an initiative that will have a transformational impact on student learning, faculty development, and leadership at the school district level. This project will enable doctoral candidates to create significant positive change in their schools while completing coursework under the guidance of faculty in educational leadership.

It is anticipated that most doctoral candidates will select and design a project that supports his or her professional setting. The project will be accomplished using an iterative, design-based approach to design and research that begins with a small pilot that will grow into a larger project across a two-year period. During that time, doctoral candidates will be researching, developing new ideas, and redesigning their projects based on the professional literature and data analysis.

The Ed.D. in Educational Leadership is a two-year, 54-credit hour program that is intended to provide doctoral candidates with new ways of thinking and reflecting about school change so they can become leaders in educational innovation.

Graduates of the Ed.D. in Educational Leadership program will be prepared to:

- create processes that foster continuous human learning and development
- use transformational leadership to promote progressive change
- implement and institutionalize transformational change
- use design-based research to reshape educational practice and theory
- develop the analytical thinking skills necessary to review and improve change processes

Courses will be offered in a hybrid format, offering the advantages of face-to-face instruction with the convenience of online access.

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

This program intends to address the wide spread need for leaders in higher education, who are prepared to lead initiatives across the vastly diverse departments on a higher education campus . A doctoral degree in higher education leadership would give students some much-needed preparation to "do" education in profoundly innovative ways. This degree will provide students seeking leadership positions across all higher education settings the ability to achieve a terminal degree, which will open opportunities for advancement in their perspective higher education departments.

Graduate Endorsements

Graduate endorsements are programs designed for teachers and counselors who wish to change specialties or enhance their skills in dealing effectively with diverse populations in the schools. Students may earn graduate endorsements without matriculating into a master's degree program. Post-master's endorsements require a master's degree as a prerequisite. All programs are approved by the New Jersey State Department of Education.

Programs
Masters

Endorsements

Doctorate

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

Kathleen Grant, Assistant Professor (Graduate Faculty). B.S., Wagner College; M.A., The College of New Jersey; Ph.D., Montclair State University.
kgrant@monmouth.edu

Walter Greason, Associate Professor and Chair (Graduate Faculty). B.A., Villanova University; Ph.D., Temple University. Writes about world, economic, and intellectual history. Serves as the Treasurer for the Society for American City and Regional Planning History. Most recent book, Suburban Erasure: How the Suburbs Ended the Civil Rights Movement in New Jersey, documents forgotten chapters in the northern Civil Rights Movement, while explaining the failure of racial integration to address economic inequality. In 2011, Dr. Greason won a grant from the Mellon Foundation for his innovative pedagogy, earning him recognition as an International Master Teacher.
wgreason@monmouth.edu

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.

tpaone@monmouth.edu

Alyson Pompeo-Fargnoli, Assistant 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. apompeof@monmouth.edu

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, Assistant Professor 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

EDC-CPE   Counseling Preparatory Comprehensive Examination
Credits: None

Term Offered: All Terms
Course Type(s): None
A comprehensive examination to demonstrate the knowledge of counseling in terms of CACREP professional standards of 1) Human Growth and Development, 2) Social and Cultural Foundations, 3) Helping Relationship, 4) Group Work, 5) Career and Lifestyle Development, 6) Appraisal, 7) Research and Program Evaluation, and 8) Professional Orientation and Ethics. Must be taken during Internship 1 and 2. This is a pass/fail course.

EDC-500   Introduction to Professional Counseling   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Designed as an introduction to the counseling profession with an emphasis on school counseling and student affairs. Traces the history of the school counseling profession, exposes the student to theoretical positions and approaches of counselors, orients the student to an initial understanding of legal and ethical obligations, prepares the student for school counseling, student affairs and the culture of schools and university, differentiates school counseling and student affairs from other counseling specialties and other school professionals, and provides the basis for continued studies in the counseling program.

EDC-501   Introduction to College Student Development and Student Affairs   **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
A foundational overview of the theory and practice of student affairs administration and college counseling with an emphasis on educating emerging professionals to facilitate development in postsecondary students and environments within higher education. This course will focus on college student development theory and developing supportive frameworks necessary to promote student success.

EDC-505   Counseling and Ethical Practice   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
An intensive introduction to counseling skills and ethical principles within the school/university environment. Skills in counseling responses, feedback, goal setting, termination and follow-up are practiced in a clinical setting. Integration of ethical and legal procedures into school counseling/student affairs practice with children, families, and young adults is emphasized. A combination of theory and practice through role-play, videotape practice, and supervisory feedback.

EDC-510   Human Growth and Development   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
A study of principles and concepts of cognitive, personality, and social development from conception through death. An overview of empirical research and theoretical frameworks used in the study of life-span human development with a special emphasis on school-age and young adult populations. Uses both lecture and seminar formats. Students should be able to discuss the major theoretical questions involved in the study of life span development, as well as be able to discuss current findings in the areas of social, cognitive, personality, and moral development and the implications for student success in school and throughout the life span.

EDC-515   Risk and Resiliency in Children and Adolescents   **Credits: 3**
Term Offered: Summer Term
Course Type(s): None
Examines the developmental trajectory for at-risk children and adolescents and factors that promote resilience. Thoroughly examines the etiology of alcohol and drug abuse. Factors that contribute to school failure and success will also be addressed. Candidates will be able to identify risk (e.g. poverty, disabilities, child maltreatment, etc.) and protective factors and identify interventions that promote positive developmental outcomes.

EDC-517   Community Mental Health   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
An overview of mental health counseling within community and health/human services settings. Reviews prevention, intervention, and needs assessment, as well as program implementation and evaluation, in a comprehensive way. Client advocacy, governmental policies, obtaining funding, and other aspects of the delivery of human services are explored, with particular focus on the management and ethical standards of all administrative and clinical counseling services related to mental health programs.

EDC-520   Advanced Topics in Race and Racism   **Credits: 3**
Prerequisite(s): EDC-535
Term Offered: All Terms
Course Type(s): None
Targets advanced topics in race and racism. More specifically, the course will progress through discussions and education about the history of race and related racism in the United States; current systemic racial inequities; personal and societal racism and its impacts on People of Color and Whites; White cultural norms and related power and privilege; White ethnicity and its relation to race and racism, and; skill building in antiracist advocacy for counselors. This is a pass/fail course.

EDC-525   Assessment for Counseling   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Covers the theories and practice of selection, administration, and interpretation of various instruments used in school and university settings to measure achievement, intelligence, aptitude, and ability with an overview of the ethical and legal use of these instruments. Statistics necessary to understand test data will be examined as well as strategies necessary to communicate test results to clients, parents, adults, and school personnel. Part theory and part skill laboratory where students will practice the administration of various educational instruments.

EDC-530   Counseling Theory and Practice   **Credits: 3**
Prerequisite(s): EDC-500
Term Offered: All Terms
Course Type(s): None
Explores the major counseling theories and related techniques with emphasis on translating counseling theory into effective practice with children, adolescents, adults, and families in schools and universities. Special attention is given to experiential analysis and the demonstration of effective school counseling skills using the various theoretical modalities. Part theory and part counseling skills laboratory with intensive role-play, discussion and feedback.

EDC-535   Diversity and Social Justice   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Experiential and clinical opportunities to become multiculturally competent school/university counselors as well as to understand students and their families within their unique cultural, historical, and ethnic contexts. Emphasis is placed on individual, group and systemic counseling models and interventions to promote multicultural sensitivity, diversity, equity, and access for all students. Extensive personal development experiences, role-play, and Triad Model practice are provided.

EDC-540   Group Counseling   **Credits: 3**
Prerequisite(s): EDC-500, EDC-505, and EDC-530
Term Offered: All Terms
Course Type(s): None
Designed to provide an overview of the basic process, dynamics, theoretical components, and developmental aspects of group counseling. It encompasses an increase in counselor skills, group leadership and facilitation. Emphasis is placed on understanding the diversity of students and their families. Combines the use of lectures, discussion, experiential exercises, readings, and journaling to advance students' knowledge and skills in group counseling. Emphasis on working with diverse groups is also integrated into the course. Students will explore group leader and member roles through participation in various group situations.

EDC-541   Leadership and Administration of Campus Environments
                                                   Credits: 3
Term Offered: All Terms
Course Type(s): None
A complete overview of administration, organization and governance models of American higher education institutions. Through gaining a conceptual understanding of the college and university campus as an environment, this course will focus on leadership and social justice systems approaches necessary to facilitate a culture to promote the retention and persistence of postsecondary students within campus environments.

EDC-545   Career Development and Counseling   **Credits: 3**
Prerequisite(s): EDC-500, EDC-505 and EDC-530
Term Offered: All Terms
Course Type(s): None
Designed to explore career counseling, development theory, and practices with consideration for life roles, diversity issues, and nontraditional careers within the context of school and university settings. Theories, models, techniques, and resources including consultation relevant to decision making, assessment, career planning, and placement are addressed with attention to computer-based applications and Internet resources. Education majors only.

EDC-550   Counseling At-Risk Children and Families   **Credits: 3**
Prerequisite(s): EDC-500, EDC-505, and EDC-530
Term Offered: All Terms
Course Type(s): None
Counseling, intervention, and referral techniques for at-risk children, adolescents and their families with intensive practice in family counseling and crisis intervention skills. Family theory and applications for practical skills in the school environment are emphasized through various experiential learning activities. The school counselor's role as an advocate and direct service provider for students and their families with multiple risk factors is emphasized.

EDC-555   School Counseling Program Planning and Consultation
                                                   Credits: 3
Prerequisite(s): EDC-500, EDC-505, and EDC-530
Term Offered: All Terms
Course Type(s): None
A comprehensive data-driven overview of the theory and practice for designing, implementing, and evaluating a comprehensive school counseling program P-12. Consultation within a school setting will be emphasized in this course. Multidimensional approaches will be studied, including school-based consultation, case consultation, systems consultation, and consultation with a school counseling program. Empirical research will be utilized in conjunction with school counseling programs based on national standards.

EDC-560   Consultation Procedures for Counseling   **Credits: 3**
Prerequisite(s): EDC-500, EDC-505, and EDC-530
Term Offered: All Terms
Course Type(s): None
Explores foundational concepts, theories, and models fundamental to school-based practices. Multidimensional approaches will be studied, including school-based consultation, case consultation, systems consultation, and consultation with a school counseling program. Consultation procedures are emphasized as a central part of the school counselor competencies in a multicultural environment. Includes consultation case conceptualization, role play, clinical demonstrations, reflections, and course projects.

EDC-565   Supervision of Counselors   **Credits: 3**
Term Offered: Summer Term
Course Type(s): None
Explore current foundational concepts, theories, and models fundamental to the administration of supervision of school counselors, and student service professionals within an educational environment. Multidimensional approaches to clinical supervision will be addressed using supervision models, including practical experience for counseling professionals who have responsibility directing the personal and professional development of school counselors. Critical analysis of theories of counselor supervision, techniques associated with theories, and assessment of supervision models will be examined. Also explores the benefits and shortcomings of individual versus group supervision, with particular focus on characteristics that make for a competent supervisor and effective supervisory relationships. Further explores the role of both supervisor and supervisee, ethical and legal considerations, evaluative criteria, cultural and gender issues, research and social justice.

EDC-570   Alcohol and Drug Abuse Programs and Services   Credits: 3
Term Offered: All Terms
Course Type(s): None
A comprehensive study of alcohol and drug programs and services in the school and community including research-based prevention and intervention programs, chemical health curricula, policy, and staff development. Emphasis on the role of the substance awareness coordinator in organizing and coordinating intervention and referral services and multidisciplinary intervention teams.

EDC-575   Alcohol and Drug Assessment and Counseling   Credits: 3
Term Offered: Spring Term
Course Type(s): None
A comprehensive approach to assessment and treatment planning with alcohol and drug-affected students, including the intake interview, clinical assessment, and administration and interpretation of formal and informal instruments. Attention is given to the roles of the substance awareness coordinator and the counselor in assessment, referral, and intervention.

EDC-580   Behavioral Issues in Counseling   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Designed to explore the contemporary behavioral issues that affect preschool through university level students and their families. Emphasis will be placed on a comprehensive understanding of commonly encountered behavioral issues such as ADD/ADHD, Persuasive Development Disorders, and Mood Disorders. Students will learn the process of identification, assessment, intervention, and follow-up of working with students with such issues.

EDC-598   Special Topics in Educational Counseling   **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
The subject matter varies with the interest of the students and the professor. The exact nature of the topic covered in any given semester is indicated on the student's transcript. If a prerequisite is required it will be announced in the course schedule.

EDC-599   Independent Study in Educational Counseling   **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 a counseling 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 class. Application must be filed before registration.

EDC-600   Practicum in Counseling   **Credits: 3**
Prerequisite(s): EDC-500, EDC-505, EDC-530, and EDC-535
Term Offered: All Terms
Course Type(s): None
An intensive supervised 100-hour, field-based experience in the school or university, which provides an orientation to the school counselor's role within a school counseling program or student affairs program. Provides supervised opportunities to practice individual and group counseling skills along with day-to-day tasks of the school counselor/student affairs professional. Additionally, intensive individual and group supervision is provided through videotaped and/or audio taped sessions.

EDC-601A   Internship in Counseling I: School Counseling   Credits: 3
Prerequisite(s): EDC-500, EDC-505, EDC-520, EDC-530, EDC-535, EDC-540, EDC-600 and completion of twenty-four credits
Term Offered: All Terms
Course Type(s): None
An intensive supervised 300-hour field-based experience, which allows students who have completed the practicum to participate in a range of professional experiences expected of a school counselor or student affairs professional. Includes a requirement of documented supervised work as a student school counselor under the supervision of a practicing school counselor/student affairs professional and intensive individual and group supervision in the university seminar through videotaped and/or audio taped sessions. Students in the school counseling track should register for EDC-601A and students in the student affairs/college counseling track should register for EDC-601B.

EDC-601B   Internship in Counseling I: Student Affairs/College Counseling   **Credits: 3**
Prerequisite(s): EDC-500, EDC-505, EDC-520, EDC-530, EDC-535, EDC-540, EDC-600 and completion of twenty-four credits
Term Offered: All Terms
Course Type(s): None
An intensive supervised 300-hour field-based experience, which allows students who have completed the practicum to participate in a range of professional experiences expected of a school counselor or student affairs professional. Includes a requirement of documented supervised work as a student school counselor under the supervision of a practicing school counselor/student affairs professional and intensive individual and group supervision in the university seminar through videotaped and/or audio taped sessions. Students in the school counseling track should register for EDC-601A and students in the student affairs/college counseling track should register for EDC-601B.

EDC-602A   Internship in Counseling II: School Counseling   Credits: 3
Prerequisite(s): EDC-601A or EDC-601B
Term Offered: All Terms
Course Type(s): None
An intensive supervised 300-hour field-based experience, which allows students who have completed the practicum to participate in a range of professional experiences expected of a school counselor or student affairs professional. Includes a requirement of documented supervised work as a student school counselor under the supervision of a practicing school counselor/student affairs professional and intensive individual and group supervision in the university seminar through videotaped and/or audio taped sessions. Students in the school counseling track should register for EDC-602A and students in the student affairs/college counseling track should register for EDC-602B.

EDC-602B   Internship in Counseling II: Student Affairs/College Counseling   **Credits: 3**
Prerequisite(s): EDC-601A or EDC-601B
Term Offered: All Terms
Course Type(s): None
An intensive supervised 300-hour field-based experience, which allows students who have completed the practicum to participate in a range of professional experiences expected of a school counselor or student affairs professional. Includes a requirement of documented supervised work as a student school counselor under the supervision of a practicing school counselor/student affairs professional and intensive individual and group supervision in the university seminar through videotaped and/or audio taped sessions. Students in the school counseling track should register for EDC-602A and students in the student affairs/college counseling track should register for EDC-602B.

EDC-606   Research Methodology and Applications   **Credits: 3**
Term Offered: All Terms
Course Type(s): EDRES
Designed to provide the students with a basic understanding of the practical and theoretical applications of educational research methodology. Beginning with an examination of the role of research in education, students will be guided through the process of reviewing and analyzing information and data from a variety of sources, comparing and contrasting the different types of research designs, understanding the role of descriptive and inferential statistics, and the development of a research project.

EDC-610   SAC Internship   **Credits: 3**
Prerequisite(s): PC-540, PC-515 or EDC-510 or SW-509; PC-542 or EDC-604 or SW-604; PC-510 or SW-518; EDC-555 and permission of the instructor
Term Offered: All Terms
Course Type(s): None
A supervised three-credit, 300-hour field-based supervised experience in the school, which allows students to intern as a student assistance coordinator. This is the culminating activity of the student assistance coordinator program in which students will apply what they have learned in a school setting.

EDC-699   Independent Study: Ed Counsel   **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 a counseling 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.

EDD-THD   Thesis Defense   **Credits: None**
Term Offered: All Terms
Course Type(s): None
=Education Doctorate Thesis Defense

EDD-702   Adult Development and Transformative Learning   **Credits: 3**
Term Offered: Summer Term
Course Type(s): None
Analyzes the foundational learning theories, adult development, and transformative learning for school administrators. It examines the techniques of motivation, methodology, and evaluation in adult learning. An emphasis on social justice and advocacy for transformative learning will also be incorporated in the pedagogical structure of the course. The course further examines the transformative learning process for adults considering the socio-political, cultural, school and other factors. These influential paradigm shifts in adult learning include barriers to and motivation for transformative learning. Designed to contribute to the professional development of those individuals who work with adults and young adults in a variety of educational contexts, in either instructional or leadership capacities.

EDD-706   Learning Through Experience: Individuals and Organizations   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
The purpose of this course is to explore the nature of experiential learning processes in promoting change and growth in both professionals and the professions. The research literature associated with experiential learning will be used to explore the nature of experiential learning, where it occurs, how we experience it, how we think about it, and how we can use the environment to enhance it. Course content includes 1) readings related to action in the professionals, such as improvement science, network improvement communities, action research, and participatory action research; 2) a survey of topics associated with the thinking processes associated with active approaches to learning, such as reflection, design thinking, creativity, innovation, and semiotics. Activities and assignments will include group discussions, individual and group presentations, action research, and classroom observation and analysis.

EDD-710   Leadership, Diversity and Equity   **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
American and international institutions of education continue to face the challenge of promoting access and equity for a diverse educational community of stakeholders. The increase in diversity throughout the world requires educational leaders to explore and understand the issues and learn how to advance diversity and equity. Race and ethnicity, social class, and gender will serve as initial topics for the course. Students will learn how their local, national and international colleagues have struggled (and succeeded or not succeeded) in advancing equity and inclusion. Students also will be given an opportunity to explore other dimensions of diversity. Class discussions will center on current and world situations regarding educating a diverse population, and the efforts aimed at improving equity throughout the world.

EDD-712   International Leadership Models   **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Compares leadership practices in different parts of the world by comparing the performance of different countries. Doctoral candidates will compare and contrast the characteristics of successful leadership models and if those concepts are transferable to areas of leadership.

EDD-714   Leadership and Change   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Addresses leadership during the change process with a focus on building a climate for innovation and change while developing critical skills related to leading and managing a learning organization through change. Practical approaches to decision-making, authority, power and influence, school culture, communication, problem solving and dilemma management will be addressed. Management of personnel and facilities will also be covered. This course addresses the 2015 Professional Standards for Educational Leaders (6-8; 10) and the 2011 ELCC Standards (1.3, 1.4, 2.1, 2.4, 3.4, and 4.1). This course will engage students in applying fundamental leadership and management knowledge and skills which will support and enhance their Transformative Leadership Project. Students will discuss and analyze a broad range of "real world" problems and dilemmas using current case studies, in basket challenges, and information from the students' individual schools/districts.

EDD-716   Practicum in Executive Leadership   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Issues, principles, and responsibilities of the executive leader at the district level are the focus of this course. Using the 2011 ELCC Standards, ISLLC Standards and the Professional Standards for Educational Leaders as a guide, this course will explore the practical applications of contemporary principles of educational leadership and further development of the candidates Transformative Leadership Project through a 150 hour internship course.

EDD-717   Internship for School Leadership P-12   **Credits: 1**
Term Offered: All Terms
Course Type(s): OL
This course is designed to occur over one semester and culminate in the accruing of 150 internship hours out of the required 300 internship hours required for certification. These hours must be done under the guidance of a building principal and involve the day-to-day responsibilities and activities of building principal. The first 150 hours may be done in the candidates own building. The second 150 hours must be done in a diverse school setting different from the candidates previous setting (different grade configuration). Candidates will provide weekly logs and reflections. This class is only for those candidates seeking a principal endorsement.

EDD-720   Contemporary Issues in Education   **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
Designed to extend the doctoral learner's' understanding of contemporary issues in education. Learners will examine current and emerging issues in education as well as trending topics impacting teaching, leadership and learning. Learners will analyze the following topics: a) inclusion of diverse learners in American schools; b) demographic shifts; c) poverty and affluence; d) globalization; e) technology and social media; f) data-based decision making; and g) recent research on student achievement with specific emphasis on subgroup performance.

EDD-721   Education Law and Policy P-12   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Provides legal foundations of U.S. public schools (Federal and State) examines general principles of statutory and case law and applies judicial decisions to educational environments. This course will examine many current legal policy issues in local and national elementary and secondary education, including school finance litigation; school discipline and the rise of "Zero Tolerance" policies (Casella 2003); bullying prevention and intervention; cyber-bulling; LGBT bias; educator evaluation systems; and special education; in addition to other topics that may arise during the course. Students will be able to use current education law and legal precedents to make effective educational leadership decisions in the areas of student's rights, academic freedom, religion and education, discipline, discrimination, negotiations and special education. This course is designed to provide current and future school leaders with the knowledge and skills they will need to make sound decisions, advance important educational objectives, and minimize legal problems.

EDD-722   Leading Digital Learning and Innovation in Education: Empowered Learners and Organizations   **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
Investigates and analyzes the theories of disruptive innovation in leading continuous school transformation. Additionally, this course will enable students to practice systemic solution, evaluation, design and development associated with integrating emerging innovations in education. The research literature associated with digital learning will be used to explore the nature of digital learning, where it occurs, how we experience it, how we think about it, and how we can use digital tools to enhance learning. Course content includes 1) readings related to action in the profession, such as disruptive innovation, leading change in self-organized networks, action research, and participatory action research; and 2) a survey of topics associated with the thinking process associated with active approaches to learning, such as reflection, design thinking, creativity, and school innovation. Activities and assignments will include group discussions, individual and group presentations, action research, and classroom observation and analysis.

EDD-724   Organizational Leadership Theory and Research   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Organizational Leadership Theory and Research in education will examine the study, practice, and theory of educational leadership by exploring organizational change theories and analyzing tools necessary for leading system wide change. Students will explore systems within organizations that promote or hinder the change process. With this course, students will enhance their understanding of educational organizations and construct an organizational change project within his/her own school or district.

EDD-750   Advanced Program Analysis   **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
This course examines the key concepts, methods, and approaches in the field of evaluation research, and program development. It is designed to be taken in conjunction with Transformative Leadership Dissertation for doctoral students and will support the candidate's plan development. Students will be exposed to the basic principles and best practices in educational program evaluation as well as the process of using evaluations and data driven assessment, that is unique to their district, to make decisions on the implementation of new programs or on the continuation of existing programs. Some statistical analysis, combined with a comprehensive range of activities involved in designing and implementing educational programs will be the primary focus of the course. This course will also present students with the larger political, administrative, and financial issues that occur in program evaluation.

EDD-752   Quantitative Research   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Introduces educational leaders to concepts in quantitative research in preparation for conducting independent research. There is a focus on critically understanding quantitative research methodology and the ability to apply it appropriately to various education issues. In addition, students will become familiar with the statistical program SPSS, as well as, how statistics can be utilized to address relevant educational issues.

EDD-754   Leadership and Assessment   **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
Designed to focus on student achievement and service to diverse student populations, implementation of the Standards, research-based pedagogical innovations, and successful use of summative and formative assessment measures. Current models used to assess students' learning will be examined, including the use of performance criteria. Students will develop instruction and development plans to be implemented in their own organizational settings. These plans must show the alignment of instruction and assessment to student learning outcomes.

EDD-756   Qualitative Research   **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Designed to provide a general understanding of qualitative research methods and issues related to the design and conduct of qualitative studies. The course emphasizes experiential learning. You will have opportunities, both in class/lab and outside class, to learn by doing. Throughout the course you will be asked to reflect on what you are learning; this reflection on the practice of research will enhance your capacity to read, evaluate, design, and conduct qualitative studies. If you wish to pursue qualitative research projects, this course will provide you with the basic knowledge and skills you will need, but it is not a substitute for extensive reading and thinking about specific methods and their use, and additional learning through courses and supervised research experiences. The general aim of the course is to facilitate understandings of the following questions: 1. What is qualitative research? 2. What constitutes quality qualitative research? 3. What are the various tools/methods of a qualitative researcher? 4. What are the critical components of a qualitative research proposal?

EDD-760   Dynamic Leadership in Higher Education   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
This course is intended to give you an understanding of the various theories that inform leadership education and practice in colleges and universities. In this course, you are invited to see leadership as discipline that transcends functional area, serving as a framework to lead and guide within higher education and beyond. As a participant in this class, you are asked to not only look at the leadership theories presented in class to formulate your approach as an educator, but also how you see these theories inform the ways in which you move and engage with the world around you.

EDD-762   Governance in Community Colleges   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
This course is planned for current and prospective community college faculty, staff and administrators who seek to learn more about America's comprehensive community colleges and their role in the post-secondary knowledge industry. The course topics this semester will deal with the several major issues/topics that are critically important to community colleges. Community colleges offer vast new opportunities in higher education leadership. By engaging in intensive research, interactive discussions, continuous reading and writing, and creating new digital platforms for students and faculty, the participants in this course will develop the skills necessary to redefine the first steps of tertiary education in the twenty-first century.

EDD-764   Higher Education Law and Policy   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
This course examines legal issues relevant to American colleges and universities to provide students with the fundamental knowledge of higher education law for administrators. The law provides for a supporting role to the overall mission of a college or university, and without its adherence, the mission may be negatively affected, if not unaccomplished. EDD 764 Higher Education Law and Policy provides students with an overview of the major aspects of the legal environment that specifically impact institutions of higher education. Institutions of higher education are affected by laws that range from privacy and reporting to admissions and financial aid practices. This course offers students an opportunity to use legal resources, to learn strategies for addressing these legal requirements and for staying abreast of emerging legal concerns in higher education. Topics include the legal governance of higher education, academic freedom, affirmative action, and legal issues pertinent to faculty and students.

EDD-766   Higher Education in the United States   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
This course is designed to help you think about colleges and universities and the historical and social forces that have affected their development in the United States. Since education is an issue we often think about in personal terms, especially higher education, the course is intended to use our own knowledge and insights as a starting point, and to expand upon our reasoning skills as we study these issues historically. We will do this by reading, discussing and thinking about colleges and universities and the students that attended them in the past. Through this, the aim of this course is to provide everyone with a sound framework for using historical analysis to interpret problems in higher education, and in the development of American society. In the course of doing this you will be asked to offer evidence of your learning, particularly with regard to your historical reasoning abilities. You will do this through discussion of readings, in class presentations and exploration of key issues, and through your written work. It is critical, in that case, that you attend every class, complete assigned readings on schedule, and submit written work when expected.

EDD-768   Higher Education Finance   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
The purpose of this course is to understand the concepts related to Higher Education Finance and it's impact upon the Higher Education system in the United States. The course will provide an introductory examination of financial, economic, and budgetary issues within higher education. Focusing on not-for-profit postsecondary schools, students will review the primary political, economic, and social issues influencing higher education finance, examine revenue streams and expenditure patterns, survey tuition and financial aid policies, develop the ability to examine and analyze financial information, and assess the budget as an instrument of strategic planning, resource allocation, and control. The course is grounded in literature, theories, and examples specific to higher education. The goal is to provide students with the knowledge and abilities that empower them to make appropriate decisions as higher education leaders. Course Goals: This course aims at a working understanding of the economics of higher education finance. Thus, students at the end of the course should be able to: 1) Understand key economic concepts bearing on higher education finance in the United States and abroad; 2) Understand the logic of financial decisions in higher education; and 3) Apply such concepts and logic to various finance projects of their choosing.

EDD-799   Independent Study Education (DOC)   **Credits: 3**
Term Offered: Summer Term
Course Type(s): None
Independent Study in Education Doctorate Level. Prior permission of the directing professor and department chair is required to take this course.

EDD-801   Research Design   **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
Focus will be on the development of a theme for the student's transformative leadership project. The Transformative Leadership Project provides opportunities for doctoral candidates to engage in leadership-related, authentic, action-research experiences in approved settings. Balancing theory with practice, working under the mentorship of an Ed Leadership Professor in collaboration with a superintendent or assistant superintendent, candidates will be immersed in the realities of practice and hone their research skills while solving relevant, school-based challenges. After a detailed needs assessment, the students will be required to decide on one program in their school district that needs to be improved. Doctoral candidates will utilize the design process in order to identify an organizational challenge, create a solution, implement, measure, and redesign as appropriate. Sessions will encompass a blended learning model where candidates will have the opportunity for face to face experiences with peers as well as virtual sessions and ongoing support. Learning activities are experiential and research driven, reflect the School of Education's Conceptual Framework, and are linked to the leadership paradigm advocated by the 2015 Professional Standards for Educational Leaders (Standards 1-10) and 2011 ELCC Standards (1-7). In addition to guiding students through an action research project, this course will address theoretical, philosophical, and epistemological questions around action research. We will discuss the tradeoff's that come with action research compared to more traditional research- how can insider status better inform research, and what might we lose compared to traditional research methods? How can the actions research framework better solve organizational problems, and on the other hand what insights may be lost by focusing on a single organization's questions or problems? This seminar will meet once a month for the fall and spring semesters. In addition to being a research design class, the class will also guide students through the actions research process that they can employ in other research, as well.

EDD-802   Writing for Professional Publication in Education   Credits: 1-3
Term Offered: Summer Term
Course Type(s): None
The Transformative Leadership project classes provide opportunities for doctoral candidates to engage in leadership-related, authentic, action-research experiences in approved settings. Balancing theory with practice, working under the mentorship of an Ed Leadership Professor and in collaboration with a superintendent or assistant superintendent, candidates will be immersed in the realities of practice and hone their research skills while solving relevant, school-based challenges. Doctoral candidates will utilize the design process in order to identify an organizational challenge, create a solution, implement, measure, and redesign as appropriate. Sessions will encompass a blended learning model where candidates will have the opportunity for face to face experiences with peers as well as virtual sessions and ongoing support. Learning activities are experiential and research driven, reflect the School of Education's Conceptual Framework, and are linked to the leadership paradigm advocated by the Professional Standards for Educational Leaders (formerly ISLLC). This course is designed to introduce doctoral students to the professional publication process. Students will engage in two major activities during the course: 1) learning how to organize a dissertation to fulfill the program requirements for the transformative learning project and 2) to write an article for professional publication. To meet the first requirement, you will revise your three-chapter project proposal created during EDD-801 Research Design, make a formal project proposal for the second year of the program to your dissertation committee, and learn how to write chapters 4 and 5 of the dissertation. To meet the second requirement, you will become familiar with editorial policies of relevant periodicals, identify various professional publication outlets, and review manuscripts using professional editorial criteria. The course will culminate in a finished manuscript submitted for publication.

EDD-803   Design-Based Research   Credits: 1.5-3
Term Offered: Fall Term
Course Type(s): None
The Transformative Leadership project classes provide opportunities for doctoral candidates to engage in leadership-related, authentic, action-research experiences in approved settings. Balancing theory with practice, working under the mentorship of an Ed Leadership Professor and in collaboration with a superintendent or assistant superintendent, candidates will be immersed in the realities of practice and hone their research skills while solving relevant, school-based challenges. Doctoral candidates will utilize the design process in order to identify an organizational challenge, create a solution, implement, measure, and redesign as appropriate. This course has two main purposes. First, it introduces students to different design-based research methods in educational research. Second, it provides students with an intensive experience in carrying out their own design-based research studies. Through a combination of readings, lectures, demonstrations, discussions, site visits and class exercises, students will be introduced to the issues and practices associated with design-based research and how different researchers engage in this kind of work. By learning about the work of different researchers, students will also be introduced to distinct forms of design-based research in education. In their transformative learning project, students will apply what they have learned to the design and conduct of their own design-based research studies. Design-bases research is a research approach that systematically investigates teaching, learning and/or training phenomena through multiple cycles of design, development, evaluation and implementation of educational interventions (which may consist of curriculum/training interventions, systemic school programs, informal or formal teaching-learning strategies and materials, technology-based products and systems, etc.). This course will examine the history of this research approach along with related current literature, commentary and research. This form of inquiry necessarily involves foundational features of design practice as well as quantitative and qualitative research as appropriate. This course is not a substitute for coursework on quantitative or qualitative methods. It is actually intended to complement such courses. The purposes a scholar intends to achieve determine the appropriate form of inquiry.

EDD-804   Analyzing and Interpreting Data   **Credits: 1-3**
Prerequisite(s): EDD-801, EDD-802, and EDD-803
Term Offered: All Terms
Course Type(s): None
The Transformative Leadership project classes provide opportunities for doctoral candidates to engage in leadership-related, authentic, action-research experiences in approved settings. Balancing theory with practice, working under the mentorship of an Ed Leadership Professor and in collaboration with a superintendent or assistant superintendent, candidates will be immersed in the realities of practice and hone their research skills while solving relevant, school-based challenges. Doctoral candidates will utilize the design process in order to identify an organizational challenge, create a solution, implement, measure, and redesign as appropriate. Sessions will encompass a blended learning model where candidates will have the opportunity for face-to-face experiences with peers as well as virtual sessions and ongoing support. Learning activities are experiential and research driven, reflect the School of Education's Conceptual Framework, and are linked to the leadership paradigm advocated by the Professional Standards for Educational Leaders (formerly ISLLC). This course is designed to immerse doctoral students in the analysis of interpretation of data. You will engage in the examination of data reflected to your transformative learning project. During the course, you will present and explain your research findings, outline chapters 4 and 5 of your dissertation, and write a preliminary and then final draft for chapters 4 and 5 of your dissertation. You will also give a PowerPoint presentation of your defense in preparation for your oral dissertation defense. The primary outcome of the course will be the completion of chapters 4 and 5 of your dissertation.

EDD-899   Independent Study in Education 800 Level Doctorate   Credits: 3
Term Offered: All Terms
Course Type(s): None
Independent Study in Education (800 level) Doctorate. Prior permission of the directing professor and department chair is required to take this course.

EDL-504   Introduction to Educational Leadership and Supervision for Student Learning P-12   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
An introduction to the conceptual, theoretical, and practical foundations of educational administration and supervision. Examines the knowledge and research base of learning theory and the role of administrators and supervisors as instructional leaders in transferring theory into best practices to enhance student learning and sustain professional learning communities.

EDL-530   School Law and Policy   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
A study of court decisions addressing the legal principles affecting education, schools, and school professionals. Constitutional, statute, and administrative laws related to education are examined and analyzed through case studies and Socratic methods.

EDL-531   Economics and School Business Leadership   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Should be thought of as an applied economics course. It will focus on the topics that are of the greatest interest and importance to school business administrators. Applies topics in economic theory to administrative decision making. This course is concerned with the relationships between schools, consumers, and the economic environment in which they operate.

EDL-532   Human Resource Management and School Finance   Credits: 3
Term Offered: All Terms
Course Type(s): None
Provides combined theory and practice of human resource management and public school finance in relation to expenditures and resources, and state and federal support of education in local school districts.

EDL-533   Community Relations   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Examines the theoretical and practical approaches for establishing effective school/community relations and the role of the educational leader in promoting the success of all students by collaborating with families and other community members.

EDL-534   Principles of Accounting for School Business Administrators
Credits: 3
Term Offered: All Terms
Course Type(s): None
Provides the candidate with a basic understanding of the Generally Accepted Accounting Principles (GAAP) used in the School Business Administrator's office. The topics of tax levies, budgeting, purchasing, bidding, and referenda will also be discussed.

EDL-535   School Facilities Planning and Management   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Provides school district administrators the fundamental concepts of planning, designing and constructing new educational facilities and/or the rehabilitation, remodeling or modernization of existing facilities. Additionally, the course includes operation and maintenance programs.

EDL-536   Curriculum Development and Design   **Credits: 3**
Term Offered: All Terms
Course Type(s): EDCUR
Examining models of curriculum development, candidates evaluate, design and develop effective curricula to support the instructional process and enhance student learning experiences.

EDL-537   Technology for School Leaders   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Focuses on the practical applications and the authentic use of technology to provide instructional and administrative support of the learning community.

EDL-539   Instructional Theory and Leadership for Student Learning
Credits: 3
Term Offered: Spring Term
Course Type(s): None
Examines the knowledge and research base of learning theory and the role of the instructional leader in transferring theory into best practices to enhance student learning and sustain professional learning communities.

EDL-569   Public School Supervision and Communication   **Credits: 3**
Prerequisite(s): EDL-536 or EDL-565
Term Offered: All Terms
Course Type(s): None
Aspiring supervisors and principals will develop a greater understanding of the knowledge, interpersonal skills, and technical processes necessary to provide developmental supervision and professional growth experiences for staff members.

EDL-582   Practicum in Supervision and Curriculum P-12   **Credits: 3**
Prerequisite(s): EDL-569 or EDL-565
Term Offered: All Terms
Course Type(s): None
Application of duties and responsibilities of the supervisor and/or curriculum specialist to an in-school supervised practicum project.

EDL-588   Topics in School Leadership, Supervision, and Curriculum P-12
Credits: 3
Prerequisite(s): EDL-569
Co-requisite(s): EDL-590A
Term Offered: Fall Term
Course Type(s): None
Principles, problems, and techniques relative to the duties and responsibilities of the elementary and secondary school administrator and/or supervisor will be discussed in conjunction with the ELCC Standards including curriculum review and revisions. Practical application of these concepts will be the primary focus of the course and the course assessments.

EDL-589   Advanced Topics in School Leadership, Supervision, and Curriculum P-12   **Credits: 3**
Prerequisite(s): EDL-588
Co-requisite(s): EDL-590B
Term Offered: Spring Term
Course Type(s): None
Principles, problems, and techniques relative to the duties and responsibilities of the elementary and secondary school administrator and/or supervisor will be discussed in conjunction with the ELCC Standards. Further extending the practical application of the concepts in EDL-588 will be the primary focus of the course and the course assessments.

EDL-590A   Internship for School Leadership (P-12) I   **Credits: 1**
Co-requisite(s): EDL-588
Term Offered: Fall Term
Course Type(s): None
Designed to occur over one semester and culminate in the accruing of 150 internship hours out of the required 300 internship hours required for certification. These hours must be done under the guidance of a building principal and involve the day-to-day responsibilities and activities of the building principal. The first 150 hours may be done in the candidates own building. The second 150 hours must be done in a diverse school setting different from the candidates previous setting (different grade configuration). Candidates will provide weekly logs and reflections.

EDL-590B   Internship for School Leadership (P-12) II   **Credits: 1**
Co-requisite(s): EDL-589
Term Offered: Spring Term
Course Type(s): None
Designed to occur over one semester and culminate in the accruing of 150 internship hours out of the required 300 internship hours required for certification. These hours must be done under the guidance of a building principal and involve the day-to-day responsibilities and activities of the building principal. The first 150 hours may be done in the candidates own building. The second 150 hours must be done in a diverse school setting different from the candidates previous setting (different grade configuration). Candidates will provide weekly logs and reflections.

EDL-598   Special Topics in Educational Leadership   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
The subject matter varies with the interest of the students and the professor teaching the course. The exact nature of the topic covered in any given semester is indicated in the student's transcript. Permission of the program director is required. If a prerequisite is required it will be announced in the course schedule.

EDL-599   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. Prior permission of the directing professor and department chair is required to take this course. Application must be filed before registration.

EDL-602   Research Methodology and Applications II   **Credits: 3**
Prerequisite(s): EDC-606
Term Offered: All Terms
Course Type(s): None
This course is designed to extend students' understanding of research methodological knowledge and techniques presented in EDC-606 Research Methodology and Applications I. Beginning with an in-depth examination of the various types of quantitative and qualitative research designs in education, the course will present students with inferential statistical procedures, experimental vs. non-experimental studies, and an analysis of results and their implications. Students will use the information garnered through this course, along with their completed research proposal, to gather, analyze, and present their data and findings in the form of a research thesis.

EDL-603   Individual Research Study   **Credits: 3**
Term Offered: Summer Term
Course Type(s): None
Techniques of educational research including: types of research, problem definition, variables and controls, data collection, data analysis and communication of results.

EDL-606   Research Based Program Evaluation and Decision Making
Credits: 3
Prerequisite(s): EDL-569
Term Offered: All Terms
Course Type(s): None
Examines key concepts, methods, and approaches in the field of evaluation research. Students will be exposed to the basic principles and practices in educational program evaluation as well as the process of using evaluations to make decisions on the implementation of new programs or on the continuation of existing programs. Research of best practices, data-driven assessment that is unique to each student's particular school, statistical analysis, combined with a comprehensive range of activities involved in designing and implementing educational programs will be the primary focus of the course. Presents students with the larger political, administrative, and financial issues that occur in program evaluation.

EDL-620   Practicum in Executive Leadership   **Credits: 3**
Prerequisite(s): EDL-589
Term Offered: Fall Term
Course Type(s): None
Issues, principles, and responsibilities of the executive leader at the district level are focused on. Using the ELCC Standards as a guide, the practical applications of contemporary principles of educational leadership through a 150-hour internship experience are explored.

EDL-672   Advanced Theory in Play Therapy   **Credits: 3**
Term Offered: Spring Term
Course Type(s): OL
Provides an in-depth understanding of the history and theories of play therapy. Emphasis is placed on the understanding of the roles of therapists and parents through the play process. Diversity and multicultural considerations for theoretical perspectives are highlighted. Also listed as PC-672 and SW-672.

EDL-673   Advanced Techniques in Play Therapy   **Credits: 3**
Term Offered: All Terms
Course Type(s): HY
Provides students with the opportunity to develop techniques and methods of play therapy. Emphasis is placed on working with children, adolescents, and adults through individual, group, and family play therapy. Major topics include group play therapy, family play therapy, short-term play therapy, and sand tray/sand play therapy. Additionally, diversity and multicultural considerations are highlighted. Also listed as PC-673 and SW-673.

EDL-674   Play Therapy for Children at Risk   **Credits: 3**
Term Offered: Spring Term
Course Type(s): OL
Focus is on play therapy with vulnerable and high-risk children. Emphasis on working with children, adolescents, and adults using play therapy in trauma and crisis situations is highlighted. Special attention is given to social issues that can lead to or exacerbate trauma or crisis. Also listed as PC-674 and SW-674.

EDL-699   Independent Study in Educational Leadership   **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 is required to take this course. Application must be filed before registration.

M.S.Ed. Principal/School Administrator/Supervisor

Code	Title	Credits
EDL-504	Introduction to Educational Leadership and Supervision for Student Learning P-12	3
EDL-536	Curriculum Development and Design	3
EDL-569	Public School Supervision and Communication	3
EDL-593	Administration and Supervision of Literacy Practices and Professional Development for School Leaders	3
EDL-530	School Law and Policy	3
EDL-532	Human Resource Management and School Finance	3
EDL-533	Community Relations	3
EDL-606	Research Based Program Evaluation and Decision Making	3
EDL-588	Topics in School Leadership, Supervision, and Curriculum P-12	3
EDL-589	Advanced Topics in School Leadership, Supervision, and Curriculum P-12	3
EDL-590A	Internship for School Leadership (P-12) I	1
EDL-590B	Internship for School Leadership (P-12) II	1
EDL-620	Practicum in Executive Leadership	3
Total Credits		35

Admission Requirements

1. Applicant must be a certified teacher. (Does not apply to MSEd School Counseling and Student Affairs College Counseling, Autism/ABA or Autism.)

2. Possession of a baccalaureate degree with a satisfactory overall GPA per state requirements (see New Jersey Department of Education for details) and a 3.0 in the undergraduate major.

3. Two letters of recommendation related to the applicant's competence for this graduate program and professional work.

4. Essay (500 words or more). For School Counseling and Student Affairs and College Counseling, the essay must discuss why social justice is important to the applicant and how the applicant forsees utilizing this training in his/her future career as a school counselor or student affairs professional. For all other MSED programs the essay must explain why the applicant wishes to pursue the graduate program of their choice.

5. Students applying to the MSEd School Counseling and MSEd Student Affairs and College Counseling programs must participate in a group interview.

Note: Upon completion of the Principal/School Administrator/Supervisor Program, you must provide documentation evidencing completion of five years of successful educational experience under a valid provisional or standard New Jersey or equivalent out-of-state certificate to be eligible for the endorsement.

MSEd Principal/Supervisor

Code	Title	Credits
Requirements (32 credits)		
EDL-504	Introduction to Educational Leadership and Supervision for Student Learning P-12	3
EDL-536	Curriculum Development and Design	3
EDL-569	Public School Supervision and Communication	3
EDL-593	Administration and Supervision of Literacy Practices and Professional Development for School Leaders	3
EDL-530	School Law and Policy	3
EDL-532	Human Resource Management and School Finance	3
EDL-533	Community Relations	3
EDL-606	Research Based Program Evaluation and Decision Making	3
EDL-588	Topics in School Leadership, Supervision, and Curriculum P-12	3
EDL-589	Advanced Topics in School Leadership, Supervision, and Curriculum P-12	3
EDL-590A	Internship for School Leadership (P-12) I	1
EDL-590B	Internship for School Leadership (P-12) II	1
Total Credits		32

Admission Requirements

1. Applicant must be a certified teacher. (Does not apply to MSEd School Counseling and Student Affairs College Counseling, Autism/ABA or Autism.)

2. Possession of a baccalaureate degree with a satisfactory overall GPA per state requirements (see New Jersey Department of Education for details) and a 3.0 in the undergraduate major.

3. Two letters of recommendation related to the applicant's competence for this graduate program and professional work.

4. Essay (500 words or more). For School Counseling and Student Affairs and College Counseling, the essay must discuss why social justice is important to the applicant and how the applicant forsees utilizing this training in his/her future career as a school counselor or student affairs professional. For all other MSED programs the essay must explain why the applicant wishes to pursue the graduate program of their choice.

5. Students applying to the MSEd School Counseling and MSEd Student Affairs and College Counseling programs must participate in a group interview.

Note: Upon completion of the Principal/School Administrator/Supervisor Program, you must provide documentation evidencing completion of five years of successful educational experience under a valid provisional or standard New Jersey or equivalent out-of-state certificate to be eligible for the endorsement.

MSEd School Counseling

Code	Title	Credits
Requirements (48 credits)		
EDC-500	Introduction to Professional Counseling	3

EDC-505	Counseling and Ethical Practice	3
EDC-510	Human Growth and Development	3
EDC-540	Group Counseling	3
EDC-530	Counseling Theory and Practice	3
EDC-520	Advanced Topics in Race and Racism	3
EDC-545	Career Development and Counseling	3
EDC-535	Diversity and Social Justice	3
EDC-550	Counseling At-Risk Children and Families	3
EDC-525	Assessment for Counseling	3
EDC-600	Practicum in Counseling	3
EDC-555	School Counseling Program Planning and Consultation	3
EDC-601A	Internship in Counseling I: School Counseling	3
EDC-602A	Internship in Counseling II: School Counseling	3
EDC-CPE	Counseling Preparatory Comprehensive Examination	0
EDC-580	Behavioral Issues in Counseling	3
EDC-606	Research Methodology and Applications	3
Total Credits		48

Note

- Completion of this program does not qualify student for LPC Certification.

Admission Requirements

1. Applicant must be a certified teacher. (Does not apply to MSEd School Counseling and Student Affairs College Counseling, Autism/ABA or Autism.)

2. Possession of a baccalaureate degree with a satisfactory overall GPA per state requirements (see New Jersey Department of Education for details) and a 3.0 in the undergraduate major.

3. Two letters of recommendation related to the applicant's competence for this graduate program and professional work.

4. Essay (500 words or more). For School Counseling and Student Affairs and College Counseling, the essay must discuss why social justice is important to the applicant and how the applicant forsees utilizing this training in his/her future career as a school counselor or student affairs professional. For all other MSED programs the essay must explain why the applicant wishes to pursue the graduate program of their choice.

5. Students applying to the MSEd School Counseling and MSEd Student Affairs and College Counseling programs must participate in a group interview.

Note: Upon completion of the Principal/School Administrator/Supervisor Program, you must provide documentation evidencing completion of five years of successful educational experience under a valid provisional or standard New Jersey or equivalent out-of-state certificate to be eligible for the endorsement.

MSEd Student Affairs and College Counseling

Code	Title	Credits
Requirements (48 credits)		
EDC-505	Counseling and Ethical Practice	3
EDC-510	Human Growth and Development	3
EDC-540	Group Counseling	3
EDC-530	Counseling Theory and Practice	3
EDC-520	Advanced Topics in Race and Racism	3
EDC-545	Career Development and Counseling	3
EDC-535	Diversity and Social Justice	3
EDC-525	Assessment for Counseling	3
EDC-600	Practicum in Counseling	3
EDC-601B	Internship in Counseling I: Student Affairs/College Counseling	3
EDC-602B	Internship in Counseling II: Student Affairs/College Counseling	3
EDC-CPE	Counseling Preparatory Comprehensive Examination	0
EDC-580	Behavioral Issues in Counseling	3
EDC-606	Research Methodology and Applications	3
EDC-501	Introduction to College Student Development and Student Affairs	3
EDC-500	Introduction to Professional Counseling	3
EDC-541	Leadership and Administration of Campus Environments	3
Total Credits		48

Note

- Completion of this program does not qualify student for LPC Certification or K-12 School Counselor Certification.

Admission Requirements

1. Applicant must be a certified teacher. (Does not apply to MSEd School Counseling and Student Affairs College Counseling, Autism/ABA or Autism.)

2. Possession of a baccalaureate degree with a satisfactory overall GPA per state requirements (see New Jersey Department of Education for details) and a 3.0 in the undergraduate major.

3. Two letters of recommendation related to the applicant's competence for this graduate program and professional work.

4. Essay (500 words or more). For School Counseling and Student Affairs and College Counseling, the essay must discuss why social justice is important to the applicant and how the applicant forsees utilizing this training in his/her future career as a school counselor or student affairs professional. For all other MSED programs the essay must explain why the applicant wishes to pursue the graduate program of their choice.

5. Students applying to the MSEd School Counseling and MSEd Student Affairs and College Counseling programs must participate in a group interview.

Note: Upon completion of the Principal/School Administrator/Supervisor Program, you must provide documentation evidencing completion of five years of successful educational experience under a valid provisional or

standard New Jersey or equivalent out-of-state certificate to be eligible for the endorsement.

Director of School Counseling Services Post-Master's Endorsement

Code	Title	Credits
Requirements (9 credits)		
EDL-530	School Law and Policy	3
EDC-565	Supervision of Counselors	3
EDL-536	Curriculum Development and Design	3
Total Credits		9

Admission Requirements

1. Possession of a baccalaureate degree with a satisfactory overall GPA per state requirements (see New Jersey Department of Education for details) and a minimum 3.0 GPA in the undergraduate major.
2. Possession of a master's degree.
3. Two letters of recommendation related to the applicant's competence for this graduate program and professional work.
4. Essay (500 words or more) explaining why the applicant wishes to pursue this graduate program.

Note: Must hold a New Jersey school counselor or student personnel services certificate or an equivalent out-of-state certificate. Upon completion, provide documentation evidencing completion of three years of successful experience as a school counselor in grades P-12 to be eligible for the endorsement.

Student Assistance Coordinator Graduate Endorsement

Code	Title	Credits
Requirements (21 credits)		
PC-540	Introduction to Alcohol and Drug Abuse	3
Select one of the following:		3
PC-515	Human Development Through the Life Span	
EDC-510	Human Growth and Development	
SW-509	Human Behavior in the Social Environment I	
PC-546	Substance Awareness in the Schools	3
or SW-628	School Social Work	
Select one of the following:		3
PC-542	Treatment of Alcohol and Drug Abuse	
EDC/ SW-604	Course EDC-604 Not Found	
EDC-517/ PC-510	Community Mental Health	3
or SW-518	Global Community Practice	
Select one of the following:		3
PC-680	Clinical Internship in Professional Counseling	
EDC-610	SAC Internship	
SW-630	Field Practicum III FC	

Code	Title	Credits
EDC-555	School Counseling Program Planning and Consultation	3
Total Credits		21

Admission Requirements

1. Hold a standard instructional certificate, or a school psychologist, school social worker, school counselor, director of school counseling services, or school nurse endorsement, or a valid Licensed Clinical Alcohol and Drug Counselor credential issued by the New Jersey Alcohol and Drug Counselor committee of the Marriage and Family Board, or a valid Certified Prevention Specialist credential issued by the Addiction Professionals Certification Board of New Jersey, or hold a master's or higher degree from a regionally accredited college or university.
2. Applicant must submit an essay of 500 words or more explaining why applicant wishes to pursue a Student Assistance Coordinator (SAC) endorsement.
3. Official undergraduate and graduate transcripts.

Supervisor Post-Master's Endorsement

Code	Title	Credits
Requirements (12 credits)		
EDL-536	Curriculum Development and Design	3
EDL-569	Public School Supervision and Communication	3
EDL-582	Practicum in Supervision and Curriculum P-12	3
EDL-593	Administration and Supervision of Literacy Practices and Professional Development for School Leaders	3
Total Credits		12

Admission Requirements

1. Possession of a Master's degree.
2. Applicant must be a certified teacher. (Does not apply to MSEd School Counseling and Student Affairs College Counseling, Autism/ABA or Autism.)
3. Possession of a baccalaureate degree with a satisfactory overall GPA per state requirements (see New Jersey Department of Education for details) and a 3.0 in the undergraduate major.
4. Two letters of recommendation related to the applicant's competence for this graduate program and professional work.
5. Essay (500 words or more). For School Counseling and Student Affairs and College Counseling, the essay must discuss why social justice is important to the applicant and how the applicant forsees utilizing this training in his/her future career as a school counselor or student affairs professional. For all other MSED programs the essay must explain why the applicant wishes to pursue the graduate program of their choice.
6. Students applying to the MSEd School Counseling and MSEd Student Affairs and College Counseling programs must participate in a group interview.

Notes:

- *Upon completion of the Principal/School Administrator/Supervisor Program, you must provide documentation evidencing completion of five years of successful educational experience under a valid provisional or standard New Jersey or equivalent out-of-state certificate to be eligible for the endorsement.*

- *The state code requires that an applicant for the Supervisor certification must hold a standard New Jersey instructional or educational services certificate or its out-of-state equivalent, and complete three years of successful, full-time teaching and/or educational services experience.*

- *Teaching and/or educational services experience completed in a New Jersey public school must have been under an appropriate New Jersey certificate.*

EdD Educational Leadership

Code	Title	Credits
EDD-702	Adult Development and Transformative Learning [1]	3
EDD-706	Learning Through Experience: Individuals and Organizations [1]	3
EDD-710	Leadership, Diversity and Equity [1]	3
EDD-712	International Leadership Models [1]	3
EDD-714	Leadership and Change [1]	3
EDD-716	Practicum in Executive Leadership [1]	3
EDD-720	Contemporary Issues in Education [1]	3
EDD-721	Education Law and Policy P-12 [1]	3
EDD-722	Leading Digital Learning and Innovation in Education: Empowered Learners and Organizations [1]	3
EDD-724	Organizational Leadership Theory and Research [1]	3
EDD-750	Advanced Program Analysis [1]	3
EDD-752	Quantitative Research [1]	3
EDD-754	Leadership and Assessment [1]	3
EDD-756	Qualitative Research [1]	3
EDD-801	Research Design [1]	3
EDD-802	Writing for Professional Publication in Education [1]	3
EDD-803	Design-Based Research [1]	3
EDD-804	Analyzing and Interpreting Data [1]	3
EDD-THD	Thesis Defense	0
Total Credits		54

[1] *All courses must be completed with a 'B' or better.*

Admission Requirements

1. All applicants must have an earned master's degree in education, business, or related field. Official transcripts are required from each institution in which bachelor's and master's level credits were earned.

2. Applicants must have a minimum GPA of 3.25 out of 4, in a nationally accredited Master's Program.

3. Applicants must provide evidence of having taken the Verbal, Quantitative, and Analytical writing tests of the Graduate Record Examination (GRE) or the Graduate Management Admissions Test (GMAT), the Law School Admission Test (LSAT) or the Miller Analogies Test (MAT) within the last five years. Other exams may be considered.

4. A current resume/curriculum vitae should outline the applicant's educational background, employment history, professional activities, and other activities that provide support for admission.

5. Two letters of recommendation addressing the applicant's readiness for doctoral study.

6. A two-page personal statement describing the applicant's preparation for study in the program and personal objectives for graduate study.

7. Candidates may be selected for an interview by one or more members of the advisory board to determine the candidate's level of interest, aptitude, and career goals.

8. At or near the time of their interview, candidates may be asked to provide an onsite writing sample to be evaluated by the admission committee.

Special Education

Chair: Alex Romagnoli, Department of Special Education
Graduate Program Director: Carol McArthur-Amedeo

Certificates:

The Autism Certificate is a complete online certificate program recommended for teachers, related service providers, and Child Study Team members of other professionals to develop a clear understanding of the characteristics of students with autism spectrum disorders, as well as to learn effective, research-based teaching strategies; social, communicative, and behavioral interventions; and valuable supports for use within the educational environment. Applied Behavior Analysis (ABA) is a science that works to develop methods of changing behavior. Monmouth University's ABA online certificate program is appropriate for individuals who would like knowledge of working with students with autism in a multitude of settings or who wish to pursue Board Certification in behavior Analysis (BCBA).

Graduate Endorsements

Graduate endorsements are programs designed for teachers and counselors who wish to change specialties or enhance their skills in dealing effectively with diverse populations in the schools. Students may earn graduate endorsements without matriculating into a master's degree program. Post-master's endorsements require a master's degree as a prerequisite. All programs are approved by the New Jersey State Department of Education.

Programs
Masters

Certificates

Endorsements

Faculty

Wendy Harriott, Associate Professor (Graduate Faculty). Associate 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.
wharriot@monmouth.edu

Ai Kamei, Assistant Professor (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

Courses

EDS-500   Foundations of Special Education: Development Across the Lifespan   Credits: 3
Term Offered: All Terms
Course Type(s): EDFOU, MAT
Focuses on major concepts and theories of child and adolescent growth and development from prenatal period through adulthood for typical and atypical individuals. The content includes the study of legal, cultural, and educational issues related to diverse students across the life span; research-based approaches for assessment, intervention, and remediation for students with disabilities; and technology applications in the classroom guided by the Council for Exceptional Children Code of Ethics and the Professional Practice Standards for Teachers of Exceptional Learners, and the New Jersey Professional Teaching Standards. Clinical hours required.

EDS-502   Autism: Characteristics, Etiology, and Current Issues Credits: 3
Term Offered: All Terms
Course Type(s): None
Content includes an overview of various characteristics and learning traits of students who are served within the category of autism spectrum disorders. Candidates will examine definitions, eligibility criteria, incidence rates, etiology and historical perspectives on autism. Perspectives on the roles and responsibilities of students, families, educational professionals, community personnel, and employers in relation to individuals with autism are also explored.

EDS-522   Accommodating Learners with Special Needs in Inclusive Settings   Credits: 3
Term Offered: All Terms
Course Type(s): None
Designed to explore the concept of inclusion, discuss it from a theoretical and practical perspective, and present strategies necessary for inclusion to be successful. Included will be an emphasis on instructional strategies, differentiated instruction, accommodations and modifications, and communication and consultation techniques for co-teaching and professional collaboration.

EDS-530   Research Issues and Trends in Special Education   Credits: 3
Term Offered: All Terms
Course Type(s): EDRES
An appraisal of current practices and issues in the field of special education is conducted through discussion and review of the research literature. P-12 educators explore the code of ethics and standards of practice in the field and are encouraged to become critical consumers of research as a foundation for practice. The ability to critically analyze, synthesize, and evaluate the research base in special education is emphasized.

EDS-532   Physiological Aspects of Learning   **Credits: 3**
Term Offered: Summer Term
Course Type(s): None
Extends candidates' knowledge of various applications of the physiological model of learning and learning disorders to various aspects of assessment and training of students with various learning, medical, and behavioral problems. Emphasis is placed on Learning Disorders (both right and left brain), ADHD (both inattentive and hyperactive), Social and Emotional Disorders, Autism Spectrum Disorder and other disorders under the category of Other Health Impaired (Tourette Syndrome and other chronic disorders).

EDS-534   Classroom Management in Inclusive Settings   **Credits: 3**
Prerequisite(s): EDS-572
Term Offered: All Terms
Course Type(s): MAT
Includes the study of the principles of behavior and a focus on the practical application strategies for teachers in inclusive settings. Factors that influence the behavior of students with disabilities and research-based techniques to facilitate positive teacher-student and peer relationships in a classroom environment are discussed. Clinical hours required.

EDS-535   Technology and Students with Disabilities   **Credits: 3**
Term Offered: All Terms
Course Type(s): MAT
Focus is on instructor-centered and learner-centered integration of technology to provide a technological supportive environment to meet the special needs of students. Clinical hours required.

EDS-537   Collaborating with Families, Students, and Professionals in Community and Educational Settings   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
A study of social, legal, and educational issues related to diverse students across the life span, research-based approaches for assessment, intervention, and remediation for students with disabilities, and technology applications in the classroom; the impact of disability on the family system; communication skills needed for collaborating with diverse families; identifying and researching community resources for persons with disabilities and their families; and strategies for involving the families in the referral and evaluation and development process of transition and career planning as well as the selection of transition resources and services.

EDS-538   Special Education Law   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
A historical overview of special education laws and the impact on special education services and professional practices in the United States. Includes a review of major court decisions and analysis of state laws, codes, and statutes. Application of legal principles in local processes and policies are examined.

EDS-542   Communication and Social Competence Skills   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Focuses on the development and improvement of speech, language and social competence skills for individuals with autism. Also included are research-based approaches to assessment, intervention and remediation of communication disorders for individuals with autism. The functional relationship between communication skills and behavior is also examined. (Field experience is required).

EDS-550   Learning Theories and Applications in Educational Settings   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Covers various classical and contemporary philosophies, aspects and models of learning. Emphasis will be placed upon such topics as multiple intelligences, learning styles, teaching styles, information processing critical thinking skills, brain-based learning and other learning theories. Students will review and critique general learning theories, as well as investigate how people organize, encode, process, transform, utilize and articulate information presented in an instructional environment.

EDS-552   Methods of Teaching Students with Disabilities   **Credits: 3**
Prerequisite(s): EDS-500, EDS-535, EDS-537 and EDS-572
Term Offered: All Terms
Course Type(s): None
Implementation of evidence-based practices in lessons and unit plans for students with disabilities in separate and inclusive settings. Methods in the field of special education are emphasized. Identifying and creating accommodations and modifications to meet the needs of all students in special education and inclusive settings. Pedagogy that is applicable to teaching literacy to struggling readers and students with disabilities, including literacy in the content areas. Clinical hours required.

EDS-566   Assessment and Interventions for Individuals with Autism I   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Assessment processes such as screening, diagnosis, and identification of developmental skills for individuals with autism are included. Focus is on assessment of specific skills in developmental domains, such as sensory, oral, motor, play, and communication and practical strategies detailing what to teach based on assessment data. Research-based interventions that promote progress in the areas of communication, social, academic, behavior, and sensory motor skills for students with autism are examined. An overview of numerous curricula approaches and materials for individuals with autism are also included. Methods for monitoring the impact of interventions are explored in a variety of service delivery models. (Field experience is required.)

EDS-567   Assessment and Interventions for Individuals with Autism II   **Credits: 3**
Prerequisite(s): EDS-566
Term Offered: Spring Term
Course Type(s): None
Various assessment processes such as screening, diagnosis, and identification of specific skills for individuals with autism are included. Focus is on using assessment data from various developmental domains to plan, choose, and implement appropriate intervention strategies based on specific needs of an individual with autism. An overview of numerous curricula approaches and materials for individuals with autism is included in this course. (Field experience is required.)

EDS-568   Advanced Instructional Methods in Special Education

Credits: 3

Prerequisite(s): EDS-500
Term Offered: All Terms
Course Type(s): None

A focus on the physical and instructional dimensions of teaching to include research-based strategies and techniques for learners with special needs; effective instruction for students with disabilities especially in literacy and math area; accommodations and adaptations; technology across the curriculum; as well as the learning implications of classroom organization and planning. This course requires demonstration that enrollees are able to evaluate, design, structure and implement instructional techniques and curriculum adaptations for students with learning problems. (Field experience is required.)

EDS-570   Assessment and Curricula Interventions and Strategies

Credits: 3

Term Offered: All Terms
Course Type(s): None

A supervised clinical course where candidates develop assessment plans and conduct assessments of students (P-12) who are at risk or who have learning problems. Content includes: evaluation of sound assessment; reliability and validity; formal and informal assessment techniques; administration of norm-referenced and informal tests; analysis of data; and the interpretation of assessment for educational intervention and instructional planning. The knowledge and skills of the educational diagnostician are also emphasized.

EDS-571   Management of Challenging Behaviors   Credits: 3
Term Offered: All Terms
Course Type(s): None

An overview of the use of applied behavior analysis (ABA) for individuals with autism is the main focus of the course. Included are methods to increase behaviors, decrease behaviors, maintain behaviors, and generalize behaviors. Observation skills, data collection, and monitoring effectiveness of interventions are practiced. (Field experience is required.)

EDS-572   Assessment Strategies and Applications in the Classroom

Credits: 3

Term Offered: All Terms
Course Type(s): None

Focuses on the educational assessment of students P-12 who may be at risk or who have been identified as having learning problems. Course content includes a discussion of assessment processes and concerns, importance of early intervention and procedural considerations. The course also includes an emphasis on educational interventions and strategies necessary to create an environment that leads to success for all learners with special needs. Further topics that are presented include accommodations and adaptations; technology across the curriculum; and learning implications of classroom assessments, classroom organization and planning. Candidates must demonstrate that they are able to create informal assessments, analyze data and structure and collaborate about instructional techniques and curriculum adaptations for students with learning problems. Clinical hours required.

EDS-580   Experimental Design   Credits: 3
Prerequisite(s): EDS-530
Term Offered: All Terms
Course Type(s): OL

This course will prepare students to utilize single subject experimental designs. Topics will include dependent and independent variables, internal and external validity, and identification of features and advantages of single subject designs. Candidates will prepare and implement a comprehensive research project utilizing a single subject design as a culminating project. Fieldwork is required. Education majors only.

EDS-590   Diagnosis and Correction of Learning Disabilities   Credits: 3
Prerequisite(s): EDS-568, EDS-570 and completion of eighteen graduate credits
Term Offered: All Terms
Course Type(s): None

Focuses on the legal and ethical foundations for assessment of school-age students. Strategies for the selection, administration, and scoring of formal and classroom-based educational and social assessments are addressed. Assessing students' levels of performance, interpreting results to enhance learner functioning and identifying service and programming options are explored. Collaboration with families and other professionals to assist in writing Individual Education Plans (IEP) is addressed.

EDS-598   Special Topics in Special Education   Credits: 3
Term Offered: All Terms
Course Type(s): None

The subject matter varies with the interest of the students and the professor teaching the course. The exact nature of the topic covered in any given semester is indicated in the student's transcript. Permission of the program director is required. If a prerequisite is required it will be announced in the course schedule.

EDS-599   Independent Study in Special 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. Prior permission of the directing professor and department chair is required to take this course.

EDS-601   Applied Behavior Analysis: Introduction   Credits: 3
Term Offered: All Terms
Course Type(s): OL

This course includes an overview of basic concepts associated with applied behavior analysis (ABA). Candidates will explore the science of behavior analysis including goals, philosophical assumptions, and dimensions of ABA. Basic concepts and principles (including definitions and examples) will also be introduced. Education majors only.

EDS-602   Applied Behavior Analysis: Concepts and Principles   Credits: 3
Prerequisite(s): EDS-601
Term Offered: All Terms
Course Type(s): OL

This course teaches foundational concepts and principles of applied behavior analysis (ABA). There will be a specific focus on the learning principles, basic characteristics, processes, concepts and terminology in ABA. Education majors only.

EDS-603   Applied Behavior Analysis: Behavior Assessment   Credits: 3
Prerequisite(s): EDS-601, EDS-602
Term Offered: All Terms
Course Type(s): None
This course will focus on functional behavior assessment. Topics include reviewing records, determining the need for services, identifying socially significant behavior change goals, conducting assessments, describing functions of behavior, and interpretation of functional assessment data. Education majors only.

EDS-604   Applied Behavior Analysis: Behavior Change Procedures   Credits: 3
Prerequisite(s): EDS-601, EDS-602, and EDS-603
Term Offered: All Terms
Course Type(s): OL
This course will focus on the use and evaluation of conducting functional behavior change procedures for behavior analysts working in the field. Topics include using reinforcement, punishment, shaping, chaining, extinction, token economies, group contingencies, self-management, prompting, and evidence-based teaching strategies. Using procedures to promote generalization and maintenance will also be discussed. Education majors only.

EDS-605   Research and Advanced Topics: in Autism and ABA   Credits: 3
Prerequisite(s): EDS-601, EDS-602, EDS-603 and EDS-604
Term Offered: All Terms
Course Type(s): None
Includes detailed information on evidence-based practices associated with autism spectrum disorders. Emphasis is also placed on interpretation/analysis of peer-reviewed journal articles associated with autism interventions. (Field experience is required.)

EDS-606   Ethics and Professionalism for Behavioral Analysis   Credits: 3
Prerequisite(s): EDS-601, EDS-602, EDS-603, EDS-604 and EDS-605
Term Offered: All Terms
Course Type(s): None
Content focuses on ethical considerations and professionalism within the field of behavior analysis. Emphasis is placed on interpretation/analysis of case studies in order to identify ethical and best practices within the field. Skills in collaboration, feedback, goal setting, termination and follow-up are discussed and integration of ethical and legal procedures into behavioral analytic practice with individuals and families is emphasized.

EDS-610   Internship in Learning Disabilities Teacher-Consultant   Credits: 3
Prerequisite(s): EDS-570, EDS-590 and approval of the program director
Term Offered: All Terms
Course Type(s): None
Teacher consultation in a public or private agency as part of a Child Study Team under the supervision of a certified Learning Disabilities Teacher-Consultant and a faculty member.

MSEd Special Education - Autism Track

Code	Title	Credits
Requirements (12 credits)		
EDL-515	Advanced Literacy Instruction	3
EDS-530	Research Issues and Trends in Special Education	3
EDS-535	Technology and Students with Disabilities	3

Code	Title	Credits
EDS-537	Collaborating with Families, Students, and Professionals in Community and Educational Settings	3
Autism Requirements (18 credits)		
EDS-502	Autism: Characteristics, Etiology, and Current Issues	3
EDS-542	Communication and Social Competence Skills	3
EDS-566	Assessment and Interventions for Individuals with Autism I	3
EDS-567	Assessment and Interventions for Individuals with Autism II	3
EDS-571	Management of Challenging Behaviors	3
EDS-580	Experimental Design	3
Total Credits		30

Admission Requirements

1. Applicant must be a certified teacher. (Does not apply to MSEd School Counseling and Student Affairs College Counseling, Autism/ABA or Autism.)
2. Possession of a baccalaureate degree with a satisfactory overall GPA per state requirements (see New Jersey Department of Education for details) and a 3.0 in the undergraduate major.
3. Two letters of recommendation related to the applicant's competence for this graduate program and professional work.
4. Essay (500 words or more). For School Counseling and Student Affairs and College Counseling, the essay must discuss why social justice is important to the applicant and how the applicant forsees utilizing this training in his/her future career as a school counselor or student affairs professional. For all other MSED programs the essay must explain why the applicant wishes to pursue the graduate program of their choice.
5. Students applying to the MSEd School Counseling and MSEd Student Affairs and College Counseling programs must participate in a group interview.

Note: Upon completion of the Principal/School Administrator/Supervisor Program, you must provide documentation evidencing completion of five years of successful educational experience under a valid provisional or standard New Jersey or equivalent out-of-state certificate to be eligible for the endorsement.

MSEd Special Education - Special Education - Autism and Applied Behavior Analysis Track

Code	Title	Credits
Core Requirements (6 credits)		
EDS-530	Research Issues and Trends in Special Education	3
EDS-535	Technology and Students with Disabilities	3
Applied Behavior Analysis Requirements (18 credits)		
EDS-601	Applied Behavior Analysis: Introduction	3
EDS-602	Applied Behavior Analysis: Concepts and Principles	3

EDS-603	Applied Behavior Analysis: Behavior Assessment	3
EDS-604	Applied Behavior Analysis: Behavior Change Procedures	3
EDS-605	Research and Advanced Topics: in Autism and ABA	3
EDS-606	Ethics and Professionalism for Behavioral Analysis	3
Autism Requirements (15 credits)		
EDS-502	Autism: Characteristics, Etiology, and Current Issues	3
EDS-542	Communication and Social Competence Skills	3
EDS-566	Assessment and Interventions for Individuals with Autism I	3
EDS-567	Assessment and Interventions for Individuals with Autism II	3
EDS-580	Experimental Design	3
Total Credits		39

Admission Requirements

1. Applicant must be a certified teacher. (Does not apply to MSEd School Counseling and Student Affairs College Counseling, Autism/ABA or Autism.)

2. Possession of a baccalaureate degree with a satisfactory overall GPA per state requirements (see New Jersey Department of Education for details) and a 3.0 in the undergraduate major.

3. Two letters of recommendation related to the applicant's competence for this graduate program and professional work.

4. Essay (500 words or more). For School Counseling and Student Affairs and College Counseling, the essay must discuss why social justice is important to the applicant and how the applicant forsees utilizing this training in his/her future career as a school counselor or student affairs professional. For all other MSED programs the essay must explain why the applicant wishes to pursue the graduate program of their choice.

5. Students applying to the MSEd School Counseling and MSEd Student Affairs and College Counseling programs must participate in a group interview.

Note: Upon completion of the Principal/School Administrator/Supervisor Program, you must provide documentation evidencing completion of five years of successful educational experience under a valid provisional or standard New Jersey or equivalent out-of-state certificate to be eligible for the endorsement.

MSEd Special Education - Learning Disabilities Teacher-Consultant Track

Code	Title	Credits
Requirements (12 credits)		
EDS-530	Research Issues and Trends in Special Education	3
EDS-535	Technology and Students with Disabilities	3
or EDS-500	Foundations of Special Education: Development Across the Lifespan	

EDS-537	Collaborating with Families, Students, and Professionals in Community and Educational Settings	3
EDS-538	Special Education Law	3
LDTC Requirements (18 credits)		
EDS-532	Physiological Aspects of Learning	3
EDS-550	Learning Theories and Applications in Educational Settings	3
EDS-568	Advanced Instructional Methods in Special Education	3
EDS-570	Assessment and Curricula Interventions and Strategies	3
EDS-590	Diagnosis and Correction of Learning Disabilities	3
EDS-610	Internship in Learning Disabilities Teacher-Consultant	3
Total Credits		30

Admission Requirements

1. Applicant must be a certified teacher. (Does not apply to MSEd School Counseling and Student Affairs College Counseling, Autism/ABA or Autism.)

2. Possession of a baccalaureate degree with a satisfactory overall GPA per state requirements (see New Jersey Department of Education for details) and a 3.0 in the undergraduate major.

3. Two letters of recommendation related to the applicant's competence for this graduate program and professional work.

4. Essay (500 words or more). For School Counseling and Student Affairs and College Counseling, the essay must discuss why social justice is important to the applicant and how the applicant forsees utilizing this training in his/her future career as a school counselor or student affairs professional. For all other MSED programs the essay must explain why the applicant wishes to pursue the graduate program of their choice.

5. Students applying to the MSEd School Counseling and MSEd Student Affairs and College Counseling programs must participate in a group interview.

Note: Upon completion of the Principal/School Administrator/Supervisor Program, you must provide documentation evidencing completion of five years of successful educational experience under a valid provisional or standard New Jersey or equivalent out-of-state certificate to be eligible for the endorsement.

MSEd Special Education - Teacher of Students with Disabilities Track

Code	Title	Credits
Requirements (12 credits)		
EDS-502	Autism: Characteristics, Etiology, and Current Issues	3
EDS-530	Research Issues and Trends in Special Education	3
EDS-535	Technology and Students with Disabilities	3
EDS-537	Collaborating with Families, Students, and Professionals in Community and Educational Settings	3

Teacher of Students with Disabilities Requirements (18 credits)		
EDS-534	Classroom Management in Inclusive Settings	3
EDS-572	Assessment Strategies and Applications in the Classroom	3
EDS-500	Foundations of Special Education: Development Across the Lifespan	3
EDS-522	Accommodating Learners with Special Needs in Inclusive Settings	3
EDS-552	Methods of Teaching Students with Disabilities	3
EDS-580	Experimental Design	3
Total Credits		30

Sequence Chart

First Year

Fall	Credits	Spring	Credits	Summer	Credits
EDS-500 Foundations of Special Education: Development Across the Lifespan	3	EDS-572 Assessment Strategies and Applications in the Classroom	3	EDS-502 Autism: Characteristics, Etiology, and Current Issues	3
EDS-537 Collaborating with Families, Students, and Professionals in Community and Educational Settings	3	EDS-522 Accommodating Learners with Special Needs in Inclusive Settings	3	EDS-535 Technology and Students with Disabilities	3
15 Field Hours		25 Field Hours		25 Field Hours	
Semester Credits	6	Semester Credits	6	Semester Credits	6

Second Year

Fall	Credits	Spring	Credits
EDS-530 Research Issues and Trends in Special Education	3	EDS-552 Methods of Teaching Students with Disabilities	3
EDS-534 Classroom Management in Inclusive Settings	3	EDS-580 Experimental Design	3
30 Field Hours		40 Field Hours	
Semester Credits	6	Semester Credits	6

Total Credits 30

Admission Requirements

1. Applicant must be a certified teacher. (Does not apply to MSEd School Counseling and Student Affairs College Counseling, Autism/ABA or Autism.)
2. Possession of a baccalaureate degree with a satisfactory overall GPA per state requirements (see New Jersey Department of Education for details) and a 3.0 in the undergraduate major.
3. Two letters of recommendation related to the applicant's competence for this graduate program and professional work.
4. Essay (500 words or more). For School Counseling and Student Affairs and College Counseling, the essay must discuss why social justice is important to the applicant and how the applicant forsees utilizing this training in his/her future career as a school counselor or student affairs professional. For all other MSED programs the essay must explain why the applicant wishes to pursue the graduate program of their choice.
5. Students applying to the MSEd School Counseling and MSEd Student Affairs and College Counseling programs must participate in a group interview.

Note: Upon completion of the Principal/School Administrator/Supervisor Program, you must provide documentation evidencing completion of five years of successful educational experience under a valid provisional or standard New Jersey or equivalent out-of-state certificate to be eligible for the endorsement.

M.S. in Special Education with Supervisor Endorsement

Code	Title	Credits
Supervisor Requirements (12 credits)		
EDL-536	Curriculum Development and Design	3
EDL-569	Public School Supervision and Communication	3
EDL-582	Practicum in Supervision and Curriculum P-12	3
EDL-593	Administration and Supervision of Literacy Practices and Professional Development for School Leaders	3
Special Education Requirements (18 credits)		
EDS-530	Research Issues and Trends in Special Education	3
EDS-535	Technology and Students with Disabilities	3
EDS-538	Special Education Law	3
EDS-568	Advanced Instructional Methods in Special Education	3
EDS-572	Assessment Strategies and Applications in the Classroom	3
EDS-580	Experimental Design	3
Total Credits		30

Admission Requirements

1. Applicant must be a certified teacher. (Does not apply to MSEd School Counseling and Student Affairs College Counseling, Autism/ABA or Autism.)
2. Possession of a baccalaureate degree with a satisfactory overall GPA per state requirements (see New Jersey Department of Education for details) and a 3.0 in the undergraduate major.
3. Two letters of recommendation related to the applicant's competence for this graduate program and professional work.
4. Essay (500 words or more). For School Counseling and Student Affairs and College Counseling, the essay must discuss why social justice is important to the applicant and how the applicant forsees utilizing this training in his/her future career as a school counselor

or student affairs professional. For all other MSED programs the essay must explain why the applicant wishes to pursue the graduate program of their choice.

5. Students applying to the MSEd School Counseling and MSEd Student Affairs and College Counseling programs must participate in a group interview.

6. Students applying to the MSEd Supervisor Track must submit, at the time of application, a letter from their administrator stating that the student has completed at least three (3) years of full time teaching in a public school or New Jersey Department of Education approved private school for students with disabilities. .

7. MSEd Supervisor Track candidates must hold a Certificate of Eligibility with Advanced Standing (CEAS), Provisional or Standard New Jersey Teacher of Students with Disabilities Endorsement.

Note: Upon completion of the Principal/School Administrator/Supervisor Program, you must provide documentation evidencing completion of five years of successful educational experience under a valid provisional or standard New Jersey or equivalent out-of-state certificate to be eligible for the endorsement.

Certificate in Applied Behavior Analysis (ABA)

Code	Title	Credits
Requirements (18 credits)		
EDS-601	Applied Behavior Analysis: Introduction	3
EDS-602	Applied Behavior Analysis: Concepts and Principles	3
EDS-603	Applied Behavior Analysis: Behavior Assessment	3
EDS-604	Applied Behavior Analysis: Behavior Change Procedures	3
EDS-605	Research and Advanced Topics: in Autism and ABA	3
EDS-606	Ethics and Professionalism for Behavioral Analysis	3
Total Credits		18

Admission Requirements

Bachelor's degree from an accredited institution with a minimum 3.0 overall and in the undergraduate major.

Certificate in Autism

Code	Title	Credits
Requirements (18 credits)		
EDS-502	Autism: Characteristics, Etiology, and Current Issues	3
EDS-530	Research Issues and Trends in Special Education	3
EDS-542	Communication and Social Competence Skills	3
EDS-566	Assessment and Interventions for Individuals with Autism I	3
EDS-567	Assessment and Interventions for Individuals with Autism II	3

EDS-571	Management of Challenging Behaviors	3
Total Credits		18

Admission Requirements

1. Possession of a baccalaureate degree with a minimum 3.0 overall and in the undergraduate major.

2. Two letters of recommendation related to the applicant's competence for this graduate program and professional work.

3. Essay (500 words or more) explaining why the applicant wishes to pursue this graduate program.

Learning Disabilities Teacher-Consultant Post-Master's Endorsement

Code	Title	Credits
Requirements (24 credits)		
EDS-532	Physiological Aspects of Learning	3
EDS-538	Special Education Law	3
EDS-550	Learning Theories and Applications in Educational Settings	3
EDS-537	Collaborating with Families, Students, and Professionals in Community and Educational Settings	3
EDS-568	Advanced Instructional Methods in Special Education	3
EDS-570	Assessment and Curricula Interventions and Strategies	3
EDS-590	Diagnosis and Correction of Learning Disabilities	3
EDS-610	Internship in Learning Disabilities Teacher-Consultant	3
Total Credits		24

Admission Requirements

1. Applicant must possess a master's degree.

2. Applicant must hold a standard New Jersey or out-of-state instructional certificate.

3. Students applying for the LDTC endorsement must submit a letter from their administrator stating that they have three (3) years of full-time teaching experience in a public or a NJ-approved private school for students with disabilities.

4. Applicant must submit two letters of recommendation related to the applicant's competence for this graduate program and professional work.

5. Applicant must submit an essay of 500 words or more explaining why applicant wishes to pursue a Learning Disabilities Teacher-Consultant endorsement.

6. Applicant must have a satisfactory overall GPA per state requirements (see New Jersey Department of Education for details).

7. Official undergraduate and graduate transcripts.

Teacher of Students with Disabilities Graduate Endorsement

Code	Title	Credits
Requirements (21 credits)		
EDS-502	Autism: Characteristics, Etiology, and Current Issues	3
EDS-535	Technology and Students with Disabilities	3
EDS-537	Collaborating with Families, Students, and Professionals in Community and Educational Settings	3
EDS-500	Foundations of Special Education: Development Across the Lifespan	3
EDS-534	Classroom Management in Inclusive Settings	3
EDS-552	Methods of Teaching Students with Disabilities	3
EDS-572	Assessment Strategies and Applications in the Classroom	3
Total Credits		21

Admission Requirements

1. Possess or be eligible for a standard or provisional New Jersey instructional certificate with an endorsement appropriate to the subject or grade level to be taught.

2. Possession of a bachelor's degree in a field leading to teacher licensure, health services, psychology, or social work from an accredited institution and have achieved a satisfactory overall GPA per state requirements (see New Jersey Department of Education for details) and a minimum 3.0 in the undergraduate major.

3. Applicant must submit two letters of recommendation related to the applicant's competence for this graduate program and professional work.

4. Applicant must submit an essay of 500 words or more explaining why applicant wishes to pursue a Teacher of Students with Disabilities endorsement.

5. Official undergraduate and graduate transcripts.

Speech-Language Pathology

Interim Chair: Cathleen Givney, Department of Speech Language Pathology

Master of Science in Education (M.S.Ed.)

Monmouth University's 60-credit Masters in Speech-Language Pathology (SLP) offers you a comprehensive curriculum with specific, specialized courses in hybrid formats, and delivers a strong focus on evidence-based practice. Students participate in over four hundred hours of clinical practicum experience.

Our 26-person cohort model ensures small class sizes, and Monmouth's Center for Speech and Language Disorders gives you critical hands-on experience diagnosing and treating communication disorders in children and adults under close professional supervision.

The triad approach in our speech pathology graduate program also includes research opportunities, allowing you to immerse yourself in an area of study and make a true impact on the SLP field. Working closely with faculty, clinical supervisors, professional speech-language pathologists, and allied health professionals, you will emerge from this program with the multifaceted educational and experiential foundation you need for a fulfilling, in-demand career.

This is a summer-start program with continuous enrollment over a two-year period. Courses are taught at the Monmouth University Graduate Center, located two miles from the main campus.

Programs
Masters

- MSEd Speech-Language Pathology (p. 192)

Faculty

Erik Raj, Assistant 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

Courses

SLP-CPE   Comprehensive Portfolio Examination   **Credits: None**
Prerequisite(s): SLP-680
Term Offered: Spring Term
Course Type(s): None
Students will complete a comprehensive project demonstrating their clinical and research skills. This is a pass/fail course.

SLP-600   Professional Issues in Speech-Language Pathology   Credits: 3
Term Offered: Spring Term
Course Type(s): None
Presents professional practice issues in speech-language pathology including scope of practice, certification and licensure as well as healthcare legislation and regulation. Code of ethics and ethical decision-making will also be addressed. Students will have the opportunity to explore contemporary service delivery topics using case studies focusing on ethical dilemmas and controversial practices that may arise in professional settings. Students will also be exposed to multicultural perspectives to contemporary issues as well as evidence-based practice.

SLP-604   Clinical Methods in Speech-Language Pathology   Credits: 3
Term Offered: Summer Term
Course Type(s): None
Introduction to therapeutic methodologies in preparation for participation in clinical practicum. Provides advanced instruction in evidence-based therapeutic methods and documentation in speech-language pathology. Students will be prepared to engage in informative clinical decision making and intervention. Includes instruction of therapy techniques and procedures, as well as the development of professional goal and report writing skills.

SLP-610   Neurological Language Disorders and Aphasia   Credits: 3
Term Offered: Fall Term
Course Type(s): None
Addresses the nature, etiology, and clinical management of adults with acquired language disorders, with primary emphasis on aphasia and related cognitive disorders. Students will study the structures and functions of the central and peripheral nervous system as they relate to human speech, language and cognition.

SLP-614   Assessment and Treatment of Dysphagia   Credits: 3
Term Offered: Spring Term
Course Type(s): None
Examines assessment and intervention for feeding and swallowing disorders in children and adults. Addresses the implementation of clinical examination procedures and interpretation of instrumental diagnostic procedures. Instructional strategies for rehabilitation and compensatory feeding strategies will be provided.

SLP-625   Assessment Procedures in Speech-Language Pathology
                                                           Credits: 3
Term Offered: Summer Term
Course Type(s): None
Presents an overview of diagnostic tests and procedures used in assessment of speech and language disorders across the lifespan. Students will learn the principles of measurement including reliability and validity, the calculation and interpretation of standardized test results and standard deviation.

SLP-630   Pediatric Language Disorders   Credits: 3
Term Offered: Summer Term
Course Type(s): None
Examines the communicative behaviors of infants, toddlers, and preschoolers and school-age children at risk or diagnosed as having a communication disorder. Students will learn etiologies, characteristics, assessment, and intervention strategies that are appropriate for treating children with language disorders. Particular emphasis will be placed on academic, cognitive and augmentative aspects of language use with populations who are culturally and linguistically diverse.

SLP-636   Communication in Autism Spectrum Disorders   Credits: 3
Term Offered: Fall Term
Course Type(s): None
Provides students with information regarding the types of Autism Spectrum Disorders and the unique communication skills of individuals with Pervasive Development Disorder and Autism Spectrum Disorders. Students learn therapy techniques and alternative communication methods. This course will use a lifespan perspective.

SLP-645   Speech Sound Disorders   **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
Examines both typical and disordered phonetic and phonological development in children, the nature of nonorganic articulation and phonological disorders, the evaluation process and appropriate intervention strategies for linguistically diverse populations.

SLP-650   Fluency Disorders   **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Reviews stuttering and dysfluency behaviors; historical and etiological description and treatment; current theories of stuttering; contemporary research in the field; and treatment of stuttering.

SLP-655   Disorders of Voice and Resonance   **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
Examines normal and abnormal laryngeal function. The nature and etiology of a variety of vocal pathologies will be explored. Identification, assessment as well as evidence-based treatment strategies for functional, neurogenic and organic voice disorders will be presented. Case studies and guided observations will be used. Designed to extend the foundation knowledge of the speech-language pathology student relevant to the nature of resonance disorders including cleft palate.

SLP-660   Motor Speech Disorders   **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
Examines the neurological basis of acquired and congenital motor speech disorders including dysarthria and apraxia as well as the accompanying communication disorders that result from damage to the central nervous and peripheral nervous systems. Students learn the principles and procedures for the assessment and remediation of motor speech disorders.

SLP-664   Audiology and Aural Rehabilitation   **Credits: 3**
Term Offered: Summer Term
Course Type(s): None
Examines techniques employed in assessing hearing function in adults and children and studies the pathologies of the auditory and related systems. Provides an introduction to the impact of hearing loss on speech and language development, communication, education, and psycho-social development. Students gain practical experience developing aural rehabilitation programs using technological aids for the hearing impaired.

SLP-665   Augmentative and Alternative Communication   **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Provides information about augmentative and alternative communication (AAC) assessment and intervention practices related to providing services for clients with AAC needs. Students will learn concepts, strategies, techniques and issues in the field of AAC. Focus will include research that has been conducted in the field of AAC, assessment and clinical procedures, meeting the AAC needs of clients with developmental and acquired disabilities across the lifespan, and hands-on training with devices and methods of AAC.

SLP-675   Traumatic Brain Injury   **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
Examines neurophysiological, cognitive, neuropsychological, and social/emotional issues associated with traumatic brain injury. Assessment and treatment for cognitive disorders associated with traumatic brain injury will be addressed.

SLP-679   Diagnostic Practicum in Speech-Language Pathology
                    Credits: 3
Term Offered: Summer Term
Course Type(s): None
Provides clinical practicum hours in the assessment of speech and language in children and adults. Students will plan, carry out and report diagnostic assessments.

SLP-680   Research Methods   **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Teaches students the history of research and role of the IRB, ethical practices in research, APA style, development of a research question based on clinical needs, how to conduct a literature search on a topic, and develop a literature review. Students will also learn the difference between quantitative and qualitative research, research strategies and designs for communication sciences and disorders, data analysis, commonly used statistical tests, and methods for reporting results. Finally, students will learn to compare and contrast findings from various studies and to apply research findings to clinical practice.

SLP-681   Clinical Practicum I   **Credits: 3**
Prerequisite(s): SLP-604
Term Offered: Fall Term
Course Type(s): None
Provides supervised clinical practicum hours in therapeutic management of speech and language disorders.

SLP-682   Clinical Practicum II   **Credits: 3**
Prerequisite(s): SLP-681
Term Offered: Spring Term
Course Type(s): None
Provides supervised clinical practicum hours in therapeutic management of speech and language disorders.

SLP-683   External Clinical Practicum I   **Credits: 3**
Prerequisite(s): SLP-682
Term Offered: Fall Term
Course Type(s): None
Provides supervised clinical practicum at an off-campus facility serving a variety of populations. Examples of placement sites include acute-care hospitals, rehabilitation centers, long-term care facilities and private practices.

SLP-684   External Clinical Practicum II   **Credits: 3**
Prerequisite(s): SLP-683
Term Offered: Spring Term
Course Type(s): None
Provides supervised clinical practicum at an off-campus facility serving a variety of populations. Examples of placement sites include acute care hospitals, rehabilitation centers, long-term care facilities and private practices.

MSEd Speech-Language Pathology

Code	Title	Credits
Requirements (60 credits)		
SLP-600	Professional Issues in Speech-Language Pathology	3
SLP-604	Clinical Methods in Speech-Language Pathology	3
SLP-610	Neurological Language Disorders and Aphasia	3
SLP-614	Assessment and Treatment of Dysphagia	3
SLP-625	Assessment Procedures in Speech-Language Pathology	3
SLP-630	Pediatric Language Disorders	3
SLP-636	Communication in Autisum Spectrum Disorders	3
SLP-645	Speech Sound Disorders	3
SLP-650	Fluency Disorders	3
SLP-655	Disorders of Voice and Resonance	3
SLP-660	Motor Speech Disorders	3
SLP-664	Audiology and Aural Rehabiliation	3
SLP-665	Augmentative and Alternative Communication	3
SLP-675	Traumatic Brain Injury	3
SLP-679	Diagnostic Practicum in Speech-Language Pathology	3
SLP-680	Research Methods	3
SLP-681	Clinical Practicum I	3
SLP-682	Clinical Practicum II	3
SLP-683	External Clinical Practicum I	3
SLP-684	External Clinical Practicum II	3
SLP-CPE	Comprehensive Portfolio Examination	0
Total Credits		60

Admission Requirements

1. Submit a completed application through the Communication Science and Disorders Centralized Application Service (CSDCAS (http://www.capcsd.org/csdcas-student-page/)) along with the signed SLP Communication Standards form and $50 application fee submitted to Monmouth University.

2. Possession of a baccalaureate degree with a satisfactory overall GPA per state requirements (see Web site for details) and a minimum 3.0 GPA in the undergraduate major.

3. GRE scores (taken within the last five years). Students who hold a master's degree or higher from an accredited institution are not required to submit GRE scores.

4. Essay (500 words or more) explaining why the student wishes to pursue a career in Speech-Language Pathology.

5. Two professional letters of recommendation.

6. Résumés are recommended but not required.

7. Candidates must be able to communicate effectively in order to meet ASHA's standards of clinical competence. Specifically, successful candidates "must have demonstrated communication skills sufficient to achieve effective clinical and professional interaction with clients/patients and relevant others." Source: (http://www.asha.org/Certification/2014-Speech-Language-Pathology-Certification-Standards/)*2014 Standards for the Certificate of Clinical Competence in Speech-Language Pathology*.

8. Completion of eighteen (18) credits of speech-language pathology prerequisite courses. Applicants must also fulfill ASHA requirements listed at https://www.asha.org/Certification/Course-Content-Areas-for-SLP-Standards/.

THE MARJORIE K. UNTERBERG SCHOOL OF NURSING AND HEALTH STUDIES

Dean: Ann Marie P. Mauro, Ph.D., R.N., CNL, CNE, FAHA, FAAN

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.

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 used to enhance the development of cognitive, affective, and psychomotor abilities within the student. Students are educated in the advanced practice roles of educator, researcher, advocate, clinician, consultant, collaborator, entrepreneur, and manager of systems through assessment, diagnosis, treatment, referral, and evaluation of individuals, families, groups, communities, and various healthcare systems and practice settings.

Programs
Masters

- MSN: Adult-Gerontological Primary Care Nurse Practitioner (p. 214)
- MSN: Family Nurse Practitioner (p. 214)
- MSN: Nursing Administration (p. 216)
- MSN: School Nursing for Certified School Nurses (p. 219)
- MSN: School Nursing - Non-Certified School Nurses (p. 218)
- MSN: Nursing Education (p. 216)
- MSN: Forensic Nursing (p. 215)
- MSN: Psychiatric and Mental Health Nurse Practitioner (p. 217)
- MS in Physician Assistant (p. 228)

Doctorate

- Doctor of Nursing Practice (p. 219)
- Occupational Therapy Doctorate (Fall, 2021) (http://catalog.monmouth.edu/graduate-catalog/marjorie-k-unterberg-nursing-health-studies/occupational-therapy-doctorate/)

Graduate Certificates

- Forensic Nursing (p. 220)

Post-Master's Certificates

- Adult-Gerontological Primary Care Nurse Practitioner (p. 220)
- Family Nurse Practitioner (p. 221)
- Psychiatric and Mental Health Nurse Practitioner (p. 221)

Graduate Endorsements

- School Nursing (p. 222)
- School Nursing - Non-Instructional (p. 222)

Nursing

Chair: Rose Knapp, Department of Nursing

Master of Science in Nursing (M.S.N.)

The Master of Science in Nursing (M.S.N.) programs prepare graduates for advanced nursing practice roles and build upon the foundational values of autonomy, leadership, and professionalism. The role of the M.S.N. graduate is to promote, restore, and maintain health and facilitate quality end-of-life care. Advanced nursing practice requires master's preparation, specialty certification by a recognized nursing certification program for specific tracks, and a unique body of knowledge derived from scientific research and best practices. This knowledge base enhances the graduate's ability to synthesize interrelating factors that influence the health of individuals and populations in their environment. The M.S.N. graduate is proficient in a defined body of knowledge in a selected area of advanced nursing practice and may work independently or in an interprofessional collaborative practice setting.

The M.S.N. program is composed of three major areas:

1. A graduate nursing core that provides the theoretical and research foundation necessary for advanced nursing practice;
2. An advanced nursing practice concentration that provides the student with the skills necessary to have a positive impact on healthcare;
3. Detailed study and practice in the selected area of specialization.

Education for the nurse in advanced practice is a realistic, idealistic, future-oriented, teaching-learning process that promotes the development of the cognitive, affective, and psychomotor abilities contributing to professional growth and ultimate personal responsibility for continued learning. This education helps the graduate to develop justifiable confidence in the intellectual and clinical proficiency necessary for advanced practice through the development of critical thinking and ethical decision-making skills and a strengthened commitment to the attitudes and values of the nursing profession. Graduate level education is essential to provide students with an expanded and enhanced knowledge of nursing science. Students further develop their personal philosophy for advanced nursing practice, gain a deeper understanding of the emerging roles of the professional nurse, and modify their roles and responsibilities to function effectively in a complex, dynamic healthcare environment. Students may transfer a maximum of nine (9) credits to be applied toward the master's degree, provided the courses were completed with a grade of "B" or better and are appropriate for the graduate track.

M.S.N. Forensic Nursing

As an emerging field, forensic nursing encompasses a body of specialized knowledge that serves a unique and critical role for health care and judicial systems. The registered nurse collaborates with the field of law to apply nursing science to public and legal proceedings. The registered nurse specializing in forensics protects, promotes, and optimizes health by providing services to individuals while consulting with health care providers, the insurance sector, attorneys, and law-related agencies. Monmouth is proud to be one of a few schools in the nation to offer an M.S.N. program as well as a graduate certificate in Forensic Nursing. This dynamic field allows for specialization in Interpersonal Violence. The program prepares graduates to work in a variety of areas including child/elder abuse, domestic violence intervention, sexual assault examiner, mass disaster response, correctional facilities, and death investigation.

M.S.N. School Nursing for Non-Certified Nurses

School nurses who are emergency-certified through the New Jersey State Department of Education or who work full-time as a school nurse for a minimum of six months may have NU-587P Practicum: School Nurse I (2 cr.) waived if they provide a letter of verification from a school official. M.S.N in School Nursing students who show evidence of teaching health in a school system may have NU-588P Practicum: School Nurse II (2 cr.) waived if they provide a letter of verification from a school official. At the discretion of their advisor, students with a baccalaureate degree in a field other than nursing may be required to take NU-312 Individual Health Assessment (3 cr.) or equivalent continuing education units in adult or pediatric physical assessment. At the discretion of their advisor, non- certified school nurse students with a baccalaureate degree in a field other than nursing may be required to take three upper division undergraduate nursing bridge courses prior to starting M.S.N. courses.

M.S.N. School Nursing for Certified School Nurses

Students with a baccalaureate degree in a field other than nursing may be required to take NU-312 Individual Health Assessment (3 cr.) or equivalent continuing education units in adult or pediatric physical assessment at the discretion of their advisors. Certified school nurse students with a baccalaureate degree in a field other than nursing may be required to take three upper division undergraduate nursing bridge courses prior to starting M.S.N. courses.

R.N. to M.S.N. Direct Program

The R.N. to M.S.N. Direct Program is designed to allow nurses to advance their professional careers and more quickly attain a Master of Science in Nursing degree. Registered nurses who presently hold an associate degree or diploma in nursing will be able to earn an M.S.N. degree without earning a baccalaureate degree upon successful completion of courses totaling 150 credits. Students are accepted into the R.N. to M.S.N. Direct Program if they satisfy all admission requirements, (s) including the successful completion of the 30-credit Undergraduate Nursing Certificate. The requirements for this certificate are located in the undergraduate catalog (http://catalog.monmouth.edu/undergraduate-catalog/marjorie-k-unterberg-nursing-health-studies/nursing/undergraduate-certificate-nursing/) and can also be found on the Monmouth University Web site (https://www.monmouth.edu/registrar/documents/).

Depending on the selected M.S.N. track, students are required to complete 36 to 48 graduate nursing credits. In order to earn a Master of Science in Nursing degree, as stipulated by the State of New Jersey, students must document completion of at least 150 credits. **Please note that graduate tuition and fees will apply once a student begins an M.S.N. program.**

Bridge Program for Registered Nurses

Registered nurses with a bachelor's degree in a field other than nursing can bridge into the M.S.N. program by taking three upper-division undergraduate nursing courses (nine (9) credits) at Monmouth University prior to taking courses in the M.S.N. track of their choice. At the program director's discretion, one of the three courses may be waived if the student has already completed a college-level health assessment or an appropriate continuing education course.

Graduate Endorsements in School Nursing, School Nursing Non-Instructional

The Monmouth University Graduate Endorsements in School Nursing are intended for registered nurses interested in completing the requirements for the New Jersey School Nurse Certificate and/or the New Jersey School Nurse Certificate Non-Instructional. At the discretion of their advisor, school nurse students with a baccalaureate degree in a field other than nursing may be required to take NU-312 Individual Health Assessment (3 cr.) or the equivalent continuing education units in adult or pediatric physical assessment. At the discretion of their advisor, non-certified school nurse students with a baccalaureate degree in a field other than nursing may be required to take three upper division undergraduate nursing bridge courses prior to starting M.S.N. courses.
  Students with a baccalaureate degree in nursing may receive transfer credits for the preparatory courses.

Graduate Certificate in Forensic Nursing

The Monmouth University Graduate Certificate in Forensic Nursing is intended for registered nurses with a baccalaureate degree in nursing interested in providing direct services to individuals and consultation to healthcare and law-related agencies. The program will prepare graduates to work in a variety of areas, including child/elder abuse assessment and evaluation, domestic violence intervention, sexual assault examination, mass disaster response, correctional facilities, and death investigation.

Post-Master's Certificates

Monmouth's post-master's certificates are designed for nurses who have already completed a master's degree in nursing. The Nurse Practitioner certificate program prepares advanced practice nurses in primary care or other relevant settings to work with persons in their environment through independent nursing assessment, diagnosis, and treatment or referral to another practitioner when necessary.
Students may transfer a maximum of six (6) credits (30% or less of the total credit requirements) toward the certificate, provided the courses were completed with a grade of "B" or better and the courses are appropriate for the certificate program. This restriction also applies to those credits that have been waived or were earned with Credit by Exam.

Please refer to the Admission *(p. 20) section of this catalog for additional admission requirements.*

Doctor of Nursing Practice (D.N.P.)

The D.N.P. program is designed to address the complexity of healthcare systems by producing clinical leaders who can excel in highly complex and rapidly evolving healthcare environments. The D.N.P. is designed for M.S.N. graduate nurses, including nurse practitioners, nurse educators, nurse managers, and school nurses. The mission of the D.N.P. program at Monmouth University is to prepare nursing leaders with a doctoral degree that provides skills and competencies enabling graduates to contribute advanced nursing practice at its highest level and improve delivery of nursing care in complex healthcare environments through scholarly inquiry and scientific evidence translation.

The D.N.P. program is a 36-credit post-master's degree program that prepares the M.S.N. graduate nurse with the skills necessary to influence and implement quality healthcare improvements.

The D.N.P. curriculum focuses on evidence-based practice, organizational and systems leadership, information technology, interprofessional collaboration, emerging practice challenges, and implementing translational research and science into practice.
The use of advanced clinical skills and research is consistent with Monmouth University's commitment to personalized education. A D.N.P. change project designed to integrate theoretical concepts and practical experiences is required for all students. Immersion into the leadership role is facilitated through several practicum courses.

Throughout the program, students gain knowledge and leadership skills necessary to influence access to healthcare, promote safety standards, and advocate for policy changes on a local, regional, and national level to improve delivery systems and outcomes. To enter the D.N.P. program, students must be graduates of an accredited master's level nursing program and have a current RN license; certification in a specialty practice is preferred. Please refer to the Admission (p. 20) section of this catalog for additional admission requirements .

The baccalaureate degree in nursing, master's degree in nursing, doctor of nursing practice degree, and post-graduate APRN certificates at Monmouth University are accredited by the Commission on Collegiate Nursing Education (CCNE) (http://www.ccneaccreditation.org)

Programs
Masters
- MSN: Adult-Gerontological Primary Care Nurse Practitioner (p. 214)
- MSN: Family Nurse Practitioner (p. 214)
- MSN: Nursing Administration (p. 216)
- MSN: School Nursing for Certified School Nurses (p. 219)
- MSN: School Nursing - Non-Certified School Nurses (p. 218)
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Doctorate
- Doctor of Nursing Practice (p. 219)

Graduate Certificate
- Forensic Nursing (p. 220)

Graduate Endorsements
- School Nursing (p. 222)
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Post-Master's Certificates
- Adult-Gerontological Primary Care Nurse Practitioner (p. 220)
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Faculty

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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Laura T Jannone, Associate Professor (Graduate Faculty). B.S.N., M.S., New Jersey City State College; Ed.D., Teachers College, Columbia University. NJ-CSN, FNASN. Specialty areas and interests are tobacco prevention and cessation, school nursing, and health policy.
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Rose Knapp, Associate Professor, Chair and Graduate Program Director (Graduate Faculty). 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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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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Colleen Manzetti, Associate Professor (Graduate Faculty). B.S., Rutgers University; M.S.N., Monmouth University; D.N.P., Samford, Alabama CNE, CNLCP. Specialty interests include life care planning, rehabilitation nursing, nursing education, collaboration, and leadership.
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Ann Marie Mauro, Professor (Graduate Faculty).
Dean, School of Nursing. B.S.N., M.S.N., Seton Hall University; Ph.D., New York University, R.N., CNL, CNE, FAHA, FAAN. Specialty interestes include cardiovascular nursing, nursing education, leadership policy, quantitative and qualitative research methods.
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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-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-509 and 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. Emphasizes the laboratory identification of vertebrate tissue. 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
Historical perspective, legal regulations and standards, the Controlled Substances Act; 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. 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-535   Advanced Health Assessment   **Credits: 3**
Prerequisite(s): NU-521
Term Offered: All Terms
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. 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 diagnosis 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 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: All Terms
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-542
Term Offered: All Terms
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. Performing assessments and screenings related to common alterations in health are also included in a weekly, faculty-supervised clinical 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-542   Primary Care Laboratory   **Credits: 1**
Prerequisite(s): NU-521, NU-524, and NU-535
Co-requisite(s): NU-541
Term Offered: All Terms
Course Type(s): None
This clinical course is designed to be taken with the lecture component of NU-541. 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, and 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. Performing assessments and screenings related to common alterations in health are also included in a weekly, faculty-supervised clinical practice. This is a pass/fail course.

NU-543   Diagnosis and Treatment of Psychopathology   **Credits: 3**
Co-requisite(s): NU-544
Term Offered: Fall Term
Course Type(s): None
Provides the basic foundations of clinical management of common psychiatric/mental health problems in adults. For students in the Adult Psychiatric Mental Health APN Track. 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-544   Diagnosis and Treatment of Psychopathology Clinical Laboratory   **Credits: 1**
Prerequisite(s): NU-521, NU-524, and NU-535
Co-requisite(s): NU-543
Term Offered: Fall Term
Course Type(s): None
Provides 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 DSMIV-TR 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.

NU-562   Tests and Measures   **Credits: 3**
Term Offered: All Terms
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. Also listed as NU-762. 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 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. Also listed as NU-764. 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
Provides an opportunity for the students to practice in the role of the novice academic nurse educator in diverse settings. Students apply teaching and learning principles in both academic and clinical settings under the guidance of a preceptor. Through 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 required. Also listed as NU-766P. 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 refine their educational 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-766S. Students who have taken NU-566S are not eligible to take NU-766S.

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. Also listed as NU-767P. 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. Students who have taken NU-567S are not eligible to take 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: Spring Term
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: Spring Term
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: All Terms
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: Fall Term
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: Fall 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-621   Advanced Practice Nursing I: Adult Gerontology   Credits: 3
Prerequisite(s): NU-521, NU-524, NU-535, NU-541, NU-542, and NU-622S
Co-requisite(s): NU-622P
Term Offered: Fall Term
Course Type(s): None
Detailed case study analysis of common health problems of adult and older adults including pathophysiology, epidemiology, strengths and weaknesses of assessment of data collection, diagnostic process, planning, intervention, and evaluation. Interview and perform physical examination techniques for collecting subjective and objective data in primary-care and long-term care settings; deriving 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-622P   Advanced Practice Nursing Practicum I: Adult-Gerontology

Credits: 3

Co-requisite(s): NU-621 and NU-622S
Term Offered: Fall Term
Course Type(s): None
Delivery of primary healthcare to adults and geriatric clients 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 interdisciplinary practice with other healthcare providers. This is a pass/fail course.

NU-622S   Advanced Practice Nursing Seminar I: Adult Gerontology

Credits: 1

Co-requisite(s): NU-621 and NU-622P
Term Offered: Fall Term
Course Type(s): None
Delivery of primary health care to adults and older adults 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 interdisciplinary practice 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.

NU-623   Advanced Practice Nursing II: Adult Gerontology   Credits: 3
Prerequisite(s): NU-621
Co-requisite(s): NU-624P and NU-624S
Term Offered: Spring Term
Course Type(s): None
A continuation of NU-621. Detailed case study analysis of health problems including pathophysiology, epidemiology, strengths and weaknesses of assessment 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 for health teaching and counseling and to motivate clients for positive health maintenance. Expansion of the traditional nursing role to the advanced practice nurse (APN) role through the incorporation of evidence-based practice, personal knowledge, and ethics. A process-driven course that 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-624P   Advanced Practice Nursing Practicum: Adult Gerontology

Credits: 3

Prerequisite(s): NU-621, NU-622S, and NU-622P
Co-requisite(s): NU-624S
Term Offered: Spring Term
Course Type(s): None
Delivery of primary healthcare to adult/gerontological and adolescent clients with common health problems including, collection of subjective and objective data using the techniques of interview and physical examination; deriving diagnoses; planning care for acute and chronic illness using community resources; communication for health teaching, counseling, and motivating clients for positive health maintenance. Establishment of interdisciplinary practice with other healthcare providers. This is a pass/fail course.

NU-624S   Advanced Practice Nursing Seminar II: Adult Gerontology

Credits: 1

Prerequisite(s): NU-621, NU-622S, and NU-622P
Co-requisite(s): NU-623 and NU-624P
Term Offered: Spring Term
Course Type(s): None
Delivery of primary healthcare to adult/gerontological and adolescent clients with common health problems including collection of subjective and objective data using the techniques of interview and physical examination; deriving diagnoses; planning care for acute and chronic illness using community resources; use of communication for age-appropriate 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.

NU-631   Advanced Practice Nursing I: Family   Credits: 3
Prerequisite(s): NU-521, NU-524, NU-535, NU-541, and NU-542
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 the primary-care and long-term care settings; deriving 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 with 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. A process-driven course that 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: Family   Credits: 3
Co-requisite(s): NU-631 and NU-632S
Term Offered: Fall 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 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. This is a pass/fail course.

NU-632S   Advanced Practice Nursing Seminar I: Family   Credits: 1
Co-requisite(s): NU-631 and NU-632P
Term Offered: Fall Term
Course Type(s): None
Delivery of primary healthcare to adults and older adults with common health problems include 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 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.

NU-633   Advanced Practice Nursing II: Family   Credits: 3
Prerequisite(s): NU-631
Co-requisite(s): NU-634S and NU-634P
Term Offered: Spring 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 primary, acute 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. Expansion of traditional nursing role to the advanced practice nurse (APN) role through the incorporation of evidence-based practice, personal knowledge, and ethics. A process-driven course that 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-634P   Advanced Practice Nursing Practicum II: Family   Credits: 3
Prerequisite(s): NU-631, NU-632S, and NU-632P
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. 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. This is a pass/fail course.

NU-634S   Advanced Practice Nursing Seminar II: Family   Credits: 1
Prerequisite(s): NU-631, NU-632S, and NU-632P
Co-requisite(s): NU-634P and NU-633
Term Offered: Spring Term
Course Type(s): None
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.

NU-635   Advanced Practice Nursing Pediatrics   Credits: 2
Co-requisite(s): NU-635P
Term Offered: All Terms
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-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.

NU-661   Nursing Administration I   **Credits: 3**
Co-requisite(s): NU-622P and NU-622S
Term Offered: Fall Term
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
Term Offered: Fall Term
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, and NU-544
Co-requisite(s): NU-670P and NU-670S
Term Offered: All Terms
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. In view of the reliance on direct practice experiences with children and adolescents, students will be placed in clinical sites concurrently with these courses (NU-670P and NU-670S). 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-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, and NU-544
Co-requisite(s): NU-669 and NU-670S
Term Offered: All Terms
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.

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, and NU-544
Co-requisite(s): NU-669 and NU-670P
Term Offered: All Terms
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.

NU-671   Advanced Practice Psychiatric/Mental Health Nursing II: Psychopharmacology and Introduction to Therapy   **Credits: 3**
Prerequisite(s): NU-521, NU-535, NU-543, and NU-544
Co-requisite(s): NU-672P and NU-672S
Term Offered: Spring Term
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. In view of the reliance on direct practice experiences with individuals, families and groups, students will be placed in clinical sites concurrently with the courses NU-672P and NU-672S. 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-672P   Advanced Practice Psychiatric/ Mental Health Nursing Practicum II   **Credits: 3**
Co-requisite(s): NU-671 and NU-672S
Term Offered: Spring Term
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.

NU-672S   Advanced Practice Psychiatric/Mental Health Nursing Seminar II   **Credits: 1**
Co-requisite(s): NU-671 and NU-672P
Term Offered: Spring Term
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-671, NU-672P, and NU-672S
Co-requisite(s): NU-674P and NU-674S
Term Offered: All Terms
Course Type(s): None
Builds upon the foundation course NU-671. As clinicians there is an ever-pressing need to interpret theory and engage in practice inclusively. Examines how clients' 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. In view of the reliance on direct-practice experiences with individuals, families and groups, students will be placed in clinical sites concurrently with this course (NU-674P and NU-674S). 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-674P   Advanced Practice Psychiatric/Mental Health Nursing Practicum III

Credits: 3

Prerequisite(s): NU-671, NU-672S, and NU-672P
Co-requisite(s): NU-673 and NU-674S
Term Offered: Fall Term
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.

NU-674S   Advanced Practice Psychiatric/Mental Health Nursing Seminar III

Credits: 1

Prerequisite(s): NU-671, NU-672P, and NU-672S
Co-requisite(s): NU-673 and NU-674P
Term Offered: Fall Term
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.

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: 2
Co-requisite(s): NU-706
Term Offered: Fall Term
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. Leadership and communication strategies that help move professionals multidisciplinary groups toward common goals and objectives will be examined. DNP students only.

NU-706   Leadership Immersion I   Credits: 1
Co-requisite(s): NU-705
Term Offered: Fall Term
Course Type(s): OL
The practice immersion experience facilitates advanced nursing practice by allowing the student to demonstrate and integrate their knowledge of upper level management processes in a health care organization by considering advanced communication skills and other behaviors that provide the knowledge and skills needed for exemplary leadership, with an emphasis on relationship development, effective meeting management, team building, and resolution of complex situations. This is a pass/fail course.

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: Spring Term
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: Spring Term
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-701, NU-702, NU-703, NU-715, NU-716, and NU-720 all 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 II   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, and NU-706 passed with a grade of P
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 III   **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: All Terms
Course Type(s): OL
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. Also listed as NU-562. 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
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 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. Also listed as NU-564. Students who have taken NU-764 are not eligible to take NU-564.

NU-766P   Nurse Educator Practicum I   **Credits: 2**
Co-requisite(s): NU-766S
Term Offered: Fall Term
Course Type(s): OL
Provides an opportunity for the student to practice in the role of the novice academic nurse educator in diverse settings. Students apply teaching and learning principles in both academic and clinical settings under the guidance of a preceptor. Through 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. Requires 90 practicum hours. Also listed as NU-566P. 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 refine their educational 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-566S. Students who have taken NU-766S are not eligible to take NU-566S.

NU-767P   Nurse Educator Practicum II   **Credits: 2**
Co-requisite(s): 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 required. Also listed as NU-567P. 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-767P
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-567S. Students who have take NU-767S are not eligible to take NU-567S.

NU-799   Independent Study in Nursing (doctorate Level)   Credits: 1-3
Term Offered: Spring Term
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.

PHA-601   Human Anatomy   Credits: 5
Term Offered: Fall Term
Course Type(s): None
Anatomy is a central focus of basic science education. During this course the student is introduced to gross anatomy presented by the regional approach. The student becomes familiar with the back, chest, upper extremity, abdomen, pelvis, lower extremity, neck, head, the central nervous system, and internal viscera. Instruction is primarily in lecture and lab format. However, atlases, computer programs, and other visual aids are available. Student performance is evaluated in both written and practical examinations.

PHA-602   Human Physiology   Credits: 3
Term Offered: Fall Term
Course Type(s): None
Provides a basic understanding of human physiology while covering the processes of how the body functions. This lecture-based class will lead to an understanding of how the body responds to stimuli and how it maintains homeostasis while exposed to a varying environment.

PHA-603   Introduction to Patient Assessment   Credits: 5
Term Offered: Fall Term
Course Type(s): None
Students will be introduced to basic history taking and physical examination techniques, psychosocial development and behavior, and the effective relationship between the physician assistant, other health professionals, and the patient. Techniques of physical examination and use of examining equipment are introduced. Students are assigned to preceptors for the purpose of taking complete histories and performing a complete physical examination on patients.

PHA-604   Behavioral Medicine   Credits: 2
Term Offered: Fall Term
Course Type(s): None
Provides an overview of psychiatric concepts and an introductory approach to the evaluation of patients with behavioral issues. Includes a discussion of various psychiatric syndromes, with a review of causal factors and clinical presentation. Provides an overview of normal human behavior development over the life span. The impact that psychological problems have on the total health care of the patient will be emphasized.

PHA-605   Health Promotion   Credits: 3
Term Offered: Fall Term
Course Type(s): None
Designed to prepare students to provide healthcare and patient education using a patient-centered approach. Students will receive in-depth instruction in the principles of the patient-provider relationship, disease and the illness experience, health promotion and disease prevention. Includes an overview of basic nutrition standards and guidelines, fundamentals of nutrition assessment, and nutrition throughout the life cycle.

PHA-606   Physical Diagnosis   Credits: 4
Term Offered: Spring Term
Course Type(s): None
Continuation on the focus of Introduction to Patient Assessment on developing physical examination skills and the process of clinical data collection. Introduces the process of clinical reasoning and decision making. Attention will be provided to the recognition and appropriate description of common abnormal physical findings. Emphasis will be placed on the analysis and interpretation of clinical data that occurs during the process of formulating a differential diagnosis.

PHA-607   Diagnostic and Clinical Procedures   Credits: 5
Term Offered: Spring Term
Course Type(s): None
Instruction in interpretation of and indications for clinical laboratory tests, electrocardiography, and diagnostic radiography. Identification and understanding of normal and abnormal results, and correlation with medical cases will be emphasized. The final exam emphasizes critical thinking with case-based analysis.

PHA-608   Pharmacology for Physician Assistants   Credits: 2
Co-requisite(s): PHA-609
Term Offered: Spring Term
Course Type(s): None
Covers the most common classes of medications and their use in a variety of medical conditions. The primary focus of this course is the mechanism of actions of these drug classes and a description of different types of drug-receptor interactions. This basic pharmacology course allows the physician assistant student to better understand the clinical use of drugs covered in Clinical Therapeutics (PHA-609).

PHA-609   Clinical Therapeutics   Credits: 2
Co-requisite(s): PHA-608
Term Offered: Spring Term
Course Type(s): None
Designed to demonstrate the practical application of pharmaceutical science as utilized for the formulation of drug therapy decisions.

PHA-610   Pathophysiology   Credits: 3
Term Offered: Spring Term
Course Type(s): None
Focuses on the fundamentals of the pathologic changes that occur in different organs of the body. Gross and microscopic specimens are used to provide a clear understanding of the disease processes that affect the human body. Conducted as a lecture series that is supplemented by readings, lecture notes that will be emailed to the student, and a review of pathologic slides and specimens when appropriate. Provides an understanding of the pathologic process that leads to clinical signs and symptoms of diseases.

PHA-611   Neuroscience   **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Covers the basic structure, organization, and function of the central nervous system (CNS). Lectures and laboratories focus on understanding localization of function within specific structures and pathways of the brain and spinal cord, and typical syndromes associated with vascular accidents, trauma or diseases of the various parts of the CNS. Neuroscience is a foundational course addressing basic anatomy and physiology of the nervous system. Neuroscience incorporates the view that individuals actively use their bodies in typical and adaptive strategies to achieve mastery in life roles. Behaviors are learned and generated through normal functioning of the nervous system. With damage to the central nervous system, behavior-and therefore function- is altered. The central nervous system has the capacity to adapt or compensate behaviorally. Prepares students in programs of occupational therapy, physical therapy and physician assistant with knowledge about normal function, the effects of damage, and neural plasticity in preparation for clinical intervention.

PHA-612   Introduction to the Physician Assistant Profession   Credits: 1
Term Offered: Fall Term
Course Type(s): None
Introduces the student to the physician assistant profession and professional practice issues. Includes the history of the Physician Assistant profession, significance of the PA-physician team, professional organizations, professionalism, and professional development.

PHA-615   Topics in Medicine and Surgery III   **Credits: 6**
Prerequisite(s): PHA-637 and PHA-638
Term Offered: All Terms
Course Type(s): None
Topics in Medicine and Surgery III is the third in a series of three courses instructing students in clinical medicine presented in an organ systems format. The course builds upon the knowledge acquired in Topics in Medicine & Surgery II. Students will develop their knowledge base in the genetics, epidemiology, clinical presentation, work-up, non-surgical and surgical treatment and management of the covered conditions/diseases. The courses provide students instruction in health promotion and disease prevention, generating differential diagnoses, ordering and interpreting diagnostic studies, patient management including acute and chronic care plans, patient education, and specialty referral specific for the conditions/diseases covered in each course. Combined, the Topics in Medicine and Surgery courses instruct students on the provision of medical care across the life span including prenatal, infant, children, adolescents, adults, and elderly patients. The courses emphasize the development of clinical reasoning and problem-solving abilities needed for the practice of clinical medicine. Additionally, the courses are designed to prepare students to work collaboratively in interprofessional patient centered teams.

PHA-616   Physiology & Pathophysiology I   **Credits: 3**
Course Type(s): None
This is the first of two courses providing students with in-depth study of medical physiology & pathophysiology. Physiology and Pathophysiology I is designed to offer foundational training in the principles of medical physiology and pathophysiology, in addition to more specific training pertaining to the organ systems covered in the course that, when possible, are aligned with the topics delivered in concomitant Topics in Clinical Medicine coursework. Together, the two courses provide a foundation in human physiology coupled with the in-depth study of pathophysiological processes that lead to clinical signs and symptoms of illness and diseases.

PHA-617   Physiology and Pathophysiology II   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
This is the second of two courses providing students with in-depth study of medical physiology & pathophysiology. Physiology and Pathophysiology II builds on knowledge acquired in Physiology & Pathophysiology I to offer further training in the medical physiology, in addition to more specific training pertaining to the organ systems covered in the course that, when possible, are aligned with the topics delivered in concomitant Topics in Clinical Medicine coursework. Together, the two courses provide a foundation in human physiology coupled with the in-depth study of pathophysiological processes that lead to clinical signs and symptoms of illness and diseases.

PHA-618   Pharmacology and Pharmacotherapy I   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
The Pharmacology & Pharmacotherapy I course is the first of two courses providing students with in-depth study in the science and applications of pharmacology. This course covers an introduction to the principles of pharmacology, pharamacogenetics, and pharmacotherapy in addition to the indications, contraindications, interactions, and adverse effects of specific drug classes and the drugs within each class.

PHA-619   Pharmacology and Pharmacotherapy II   **Credits: 3**
Prerequisite(s): PHA-618
Term Offered: All Terms
Course Type(s): None
The Pharmacology & Pharmacotherapy II course is the second of two courses providing students with in-depth study in the science and applications of pharmacology. This course builds upon the knowledge gained in the first semester course and provides an in-depth study of the indications, contraindications, interactions, and adverse effects of specific drug classes and the drugs within each class.

PHA-620   PA Professional Practice   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
PA Professional Practice is designed as a comprehensive introductory course to the PA profession and professional practice issues. Topics include the history of the PA profession, professionalism, team-based interprofessional care, patient-centered care practices, the medical coding, billing and documentation, healthcare systems and policies, concepts of public health, patient safety, quality improvement and risk management.

PHA-621   Topics in Medicine and Surgery   **Credits: 5**
Co-requisite(s): PHA-622
Term Offered: Fall Term
Course Type(s): None
Instructs students in the various disease entities in preparation for clinical internships. Students will develop their knowledge base in the etiology, clinical presentation, differential diagnoses, and therapeutic approach to disease processes. This course is composed of a series of lectures provided by primary care practitioners and specialists. Topics covered include a full-range of adult and pediatric health problems. An introduction to the fields of Obstetrics/Gynecology, Ophthalmology, and Surgery is included. Attention is focused on data collection, problem solving, clinical decision making, and the importance of incorporating patient education and preventive counseling in the clinical encounter.

PHA-622   Clinical Management   Credits: 2
Co-requisite(s): PHA-621
Term Offered: Fall Term
Course Type(s): None
Using literature searches, critical analysis, and newly acquired medical information students study various clinical patient scenarios and apply basic medical knowledge in an effort to evaluate and recommend appropriate treatment. Students will employ all the tools acquired in previous courses to analyze these scenarios to develop realistic diagnoses, problem lists, and plans incorporating the proper ancillary clinical and diagnostic methods appropriate for supporting the diagnosis. The student will also be required to recommend therapeutic measures as deemed necessary. This is the first student effort to organize all of the knowledge gained to date and to exercise this knowledge in true patient management.

PHA-623   Clinical Skills I   Credits: 3
Prerequisite(s): PHA-603
Term Offered: All Terms
Course Type(s): None
Clinical Skills I builds upon the previous semester's Introduction to Patient Assessment course to further advance interpersonal and communication skills resulting in the effective exchange of information and collaboration with patients, their families, and other health professions, development of clinical reasoning and problem-solving abilities, patient evaluation, work-up, diagnosis, intervention, and management. The course will be modularized to accompany the topics covered in the Topics in Medicine & Surgery II courses occurring in the same semester.

PHA-624   Behavioral Medicine and Psychiatry   Credits: 4
Term Offered: All Terms
Course Type(s): None
Provides an overview of psychiatric concepts and an introductory approach to the evaluation of patients with behavioral issues. Includes a discussion of various psychiatric syndromes, with a review of causal factors and clinical presentation. Provides an overview of normal human behavior development over the life span. The impact that psychological problems have on the total health care of the patient will be emphasized.

PHA-625   Research Methods I   Credits: 2
Term Offered: Spring Term
Course Type(s): None
An exploration in the fundamental concepts of research in the health sciences. Problem finding, formulation of a research question, research methodology, design, and data collection and interpretation will be addressed. Ethical considerations in research will be discussed. Published research articles will be critically analyzed. At the conclusion of the course, the students will have developed the framework of an original study, which will be further developed in PHA-626.

PHA-626   Biostatistics for Physician Assistant's Research   Credits: 2
Term Offered: Spring Term
Course Type(s): None
The goal of this course is to enhance each student's understanding and effective use of the techniques used to describe and analyze data in health sciences. The intention is not to produce the sophistication in statistics, computer programming, or psychomotor application needed to develop and carry out major research projects. Rather, it is an introductory-level course with the objective of developing students' competence in the application of the basic statistical techniques used to explore, describe, and analyze information for research or evaluation purposes.

PHA-627   Research Methods I   Credits: 3
Term Offered: All Terms
Course Type(s): None
Research Methods I is the first of 2 courses specifically designed as the PA student's graduate-level research training with emphasis on practice-based learning and improvement (PBLI). The course includes specific training in principles of practice-based learning & improvement, basic biomedical statistics, research methods & design, and the analysis and application of medical research geared towards improving patient outcomes in clinical practice. As the first of two courses, this course will serve as a foundational course enabling the PA student to develop a practice-based improvement project that will be finalized in Research Methods II delivered during the clinical phase of training.

PHA-628   Clinical Skills II   Credits: 3
Prerequisite(s): PHA-623
Term Offered: All Terms
Course Type(s): None
Clinical Skills II builds upon the previous semester's Clinical Skills I course to further advance interpersonal and communication skills resulting in the effective exchange of information and collaboration with patients, their families, and other health professions, development of clinical reasoning and problem-solving abilities, patient evaluation, work-up, diagnosis, intervention, and management. The course will be modularized to accompany the topics covered in the Topics in Medicine & Surgery III courses occurring in the same semester. Prerequisite; PHA-623.

PHA-629   Pathology   Credits: 3
Prerequisite(s): PHA-601 and PHA-602
Term Offered: All Terms
Course Type(s): None
The course provides a comprehensive overview of human pathology with emphasis on molecular and gross mechanisms of disease. The course provides an introduction to the organization, structure and function of normal cells and tissues; the pathophysiology principles of cellular injury, inflammation, circulatory disorders and atherosclerosis, immune injury, infection, degenerative disease, genetic disorders, neoplastic and environmental injury; and pathology of major organ systems.

PHA-632   Biomedical Ethics   Credits: 2
Term Offered: Fall Term
Course Type(s): None
The application of human and professional values, judgments, and choices to selective ethical dilemmas that arise in clinical practice. Traditional and contemporary approaches to resolving professional dilemmas will be discussed as well as ethics related to the delivery of healthcare.

PHA-633   Epidemiology for Physician Assistants   Credits: 2
Term Offered: Fall Term
Course Type(s): None
Provides a basic understanding of the epidemiologic method of identifying disease-causing agents. Emphasizes the generation of hypotheses based on descriptive epidemiologic data, the testing of hypotheses by analytical epidemiologic research, the determination of causality, and the value of epidemiologic research in developing disease-prevention programs.

PHA-635   Research Methods II   **Credits: 1**
Prerequisite(s): PHA-625
Term Offered: Spring Term
Course Type(s): None
Many of the tasks of this course are related to the completion of the research study which was begun in Research Methods I (PHA-625). Much of the work of this single-credit course is accomplished through small group activities outside of formal class sessions. Class sessions for the course are infrequent. These will be lecture-discussion sessions in which we will meet to discuss topics designed to facilitate the completion of the research study and to enhance knowledge of medical research in general. Reading assignments should be completed prior to these meetings so that class discussions can be meaningful. Lecture notes, assignments and announcements will be posted on the e-Campus course site. Students should check both class and Web-based discussions.

PHA-636   Healthcare Policy   **Credits: 2**
Term Offered: Spring Term
Course Type(s): None
The overall goal of this course is to provide the student with information regarding the various topics related to the U.S. healthcare delivery system. The student will also be made aware of the impact that healthcare policy and managed care has on the total health of a patient. The course is given during the final semester of the third professional year so the student can incorporate clinical skills with an analytical perspective on those issues that drive the current health care system. Classes will be conducted as a series of group discussions supported by the required textbook readings, e-Campus posted articles, and small group-led discussions on those articles with analysis focused on how each affects cost, quality, and access to medical care. Attention will be given to the current events surrounding the issue of healthcare reform. Additionally, the course will be augmented by occasional guest lecturers.

PHA-637   Topics in Medicine and Surgery I   **Credits: 5**
Term Offered: All Terms
Course Type(s): None
Topics in Medicine and Surgery I is one of three courses instructing students in clinical medicine presented in an organ systems format. Students will develop their knowledge base in the genetics, epidemiology, clinical presentation, work-up, non-surgical and surgical treatment and management of the covered conditions/diseases. The courses provide students instruction in health promotion and disease prevention, generating differential diagnoses, ordering and interpreting diagnostic studies, patient management including acute and chronic care plans, patient education, and specialty referral specific for the conditions/diseases covered in each course. Combined, the Topics in Medicine and Surgery courses instruct students on the provision of medical care across the life span including prenatal, infant, children, adolescents, adults, and elderly patients. The courses emphasize the development of clinical reasoning and problem-solving abilities needed for the practice of clinical medicine. Additionally, the courses are designed to prepare students to work collaboratively in interprofessional patient centered teams.

PHA-638   Topics in Medicine and Surgery II   **Credits: 6**
Prerequisite(s): PHA-637 and successful completion of all previous coursework
Term Offered: All Terms
Course Type(s): None
Topics in Medicine and Surgery II is the second of three courses instructing students in clinical medicine presented in an organ systems format. The course builds upon the knowledge acquired in Topics in Medicine & Surgery I. Students will develop their knowledge base in the genetics, epidemiology, clinical presentation, work-up, non-surgical and surgical treatment and management of the covered conditions/diseases. The courses provide students instruction in health promotion and disease prevention, generating differential diagnoses, ordering and interpreting diagnostic studies, patient management including acute and chronic care plans, patient education, and specialty referral specific for the conditions/diseases covered in each course. Combined, the Topics in Medicine and Surgery courses instruct students on the provision of medical care across the life span including prenatal, infant, children, adolescents, adults, and elderly patients. The courses emphasize the development of clinical reasoning and problem-solving abilities needed for the practice of clinical medicine. Additionally, the courses are designed to prepare students to work collaboratively in interprofessional patient centered teams.

PHA-640   Supervised Clinical Practice Experiences I   **Credits: 8**
Term Offered: All Terms
Course Type(s): None
The Supervised Clinical Practice Experiences (SCPE) courses include various clinical clerkships providing the student with the direct patient care exposures across required core and elective clinical experiences. In all experiences the student will participate in patient-care experiences under the supervision of a licensed clinician. It is in these clerkships that students apply the knowledge and skills gained in the didactic phase of the program to actual patient encounters. Combined, the four SCPE courses provide the opportunity for students to train in hospitals, emergency rooms, long-term care facilities, outpatient practices, and surgical environments.

PHA-641   Supervised Clinical Practice Experiences II   **Credits: 8**
Term Offered: All Terms
Course Type(s): None
Supervised Clinical Practice Experiences II (SCPEs II) I is the second of four courses that include various clinical clerkships arranged as modules to provide the student with direct patient care exposures across required core and elective clinical experiences over the span of four semesters. In all experiences the student will participate in the provision of medical care for patients across the lifespan under the supervision of a licensed clinician, primarily a board-certified and licensed physician or a nationally certified and licensed PA. It is in these clerkships that students apply the knowledge and skills gained in the didactic phase of the program to actual patient encounters. Combined, the four SCPE courses provide the opportunity for students to train in hospitals, emergency rooms, long-term care facilities, outpatient practices, and operative environments. At the conclusion of the four SCPEs courses, students will have had in-depth training and patient-care experiences in core areas, including Behavioral Medicine/Psychiatry, Emergency Medicine, Family Medicine, General Surgery, Internal Medicine, Pediatric Medicine, and Women's Health Care, including prenatal and gynecologic care. Additionally, students have selective clerkships that can be in one of the core areas or a specialty practice area.

PHA-642   Supervised Clinical Practice Experiences III   Credits: 8
Term Offered: All Terms
Course Type(s): None
Supervised Clinical Practice Experiences II (SCPEs II) I is the third of four courses that include various clinical clerkships arranged as modules to provide the student with direct patient care exposures across required core and elective clinical experiences over the span of four semesters. In all experiences the student will participate in the provision of medical care for patients across the lifespan under the supervision of a licensed clinician, primarily a board-certified and licensed physician or a nationally certified and licensed PA. It is in these clerkships that students apply the knowledge and skills gained in the didactic phase of the program to actual patient encounters. Combined, the four SCPE courses provide the opportunity for students to train in hospitals, emergency rooms, long-term care facilities, outpatient practices, and operative environments. At the conclusion of the four SCPEs courses, students will have had in-depth training and patient-care experiences in core areas, including Behavioral Medicine/Psychiatry, Emergency Medicine, Family Medicine, General Surgery, Internal Medicine, Pediatric Medicine, and Women's Health Care, including prenatal and gynecologic care. Additionally, students have selective clerkships that can be in one of the core areas or a specialty practice area.

PHA-643   Supervised Clinical Practice Experiences IV   Credits: 8
Term Offered: All Terms
Course Type(s): None
Supervised Clinical Practice Experiences II (SCPEs II) I is the last of four courses that include various clinical clerkships arranged as modules to provide the student with direct patient care exposures across required core and elective clinical experiences over the span of four semesters. In all experiences the student will participate in the provision of medical care for patients across the lifespan under the supervision of a licensed clinician, primarily a board-certified and licensed physician or a nationally certified and licensed PA. It is in these clerkships that students apply the knowledge and skills gained in the didactic phase of the program to actual patient encounters. Combined, the four SCPE courses provide the opportunity for students to train in hospitals, emergency rooms, long-term care facilities, outpatient practices, and operative environments. At the conclusion of the four SCPEs courses, students will have had in-depth training and patient-care experiences in core areas, including Behavioral Medicine/Psychiatry, Emergency Medicine, Family Medicine, General Surgery, Internal Medicine, Pediatric Medicine, and Women's Health Care, including prenatal and gynecologic care. Additionally, students have selective clerkships that can be in one of the core areas or a specialty practice area.

PHA-651   Clinical Clerkships I   Credits: 5
Term Offered: Fall Term
Course Type(s): None
Clinical Clerkship year 1 is the first of two years of clinical clerkships providing the physician assistant student with the real-time patient/clinician exposures across required core and elective clinical experiences. In all experiences the student will be a member of either a health care delivery team and/or paired with a licensed practitioner in each medical discipline or service. Students are at all times held to the highest standards of professionalism and personal integrity.

PHA-652   Clinical Clerkships II   Credits: 12
Term Offered: Spring Term
Course Type(s): None
Clinical Clerkship year 2 is the second clinical clerkship providing the physician assistant student with the real-time patient/clinician exposures across required core and elective clinical experiences. In all experiences the student will be a member of either a healthcare delivery team and/or paired with a licensed practitioner in each medical discipline or service. Students are at all times held to the highest standards of professionalism and personal integrity.

PHA-653   Clinical Clerkships III   Credits: 10
Term Offered: Fall Term
Course Type(s): None
Clinical Clerkship year 3 is the third clinical clerkship providing the physician assistant student with the real-time patient/clinician exposures across required core and elective clinical experiences. In all experiences the student will be a member of either a healthcare delivery team and/or paired with a licensed practitioner in each medical discipline or service. Students are at all times held to the highest standards of professionalism and personal integrity.

PHA-654   Clinical Clerkships IV   Credits: 12
Term Offered: Spring Term
Course Type(s): None
Clinical Clerkship year 4 is the fourth clinical clerkship providing the physician assistant student with the real-time patient/clinician exposures across required core and elective clinical experiences. In all experiences the student will be a member of either a healthcare delivery team and/or paired with a licensed practitioner in each medical discipline or service. Students are at all times held to the highest standards of professionalism and personal integrity.

MSN: Adult-Gerontological Primary Care Nurse Practitioner

Code	Title	Credits
Graduate Nursing Core (12 credits)		
NU-508	Factors Affecting Healthcare [1]	3
NU-512	Nursing Research for Advanced Nursing Practice [1]	3
NU-514	Data Management for Advanced Nursing Practice [1]	3
NU-518	Education and Motivation of Nursing Clients [1]	3
APN Concentration (13 credits)		
NU-521	Pathophysiology and Histology [1]	3
NU-524	Pharmacology for Advanced Nursing Practice [1]	3
NU-535	Advanced Health Assessment [1]	3
NU-541	Primary Care [1]	3
NU-542	Primary Care Laboratory	1
Clinical Specialty Adult (14 credits)		
NU-621	Advanced Practice Nursing I: Adult Gerontology [1]	3
NU-622P	Advanced Practice Nursing Practicum I: Adult-Gerontology	3
NU-622S	Advanced Practice Nursing Seminar I: Adult Gerontology	1
NU-623	Advanced Practice Nursing II: Adult Gerontology [1]	3
NU-624P	Advanced Practice Nursing Practicum: Adult Gerontology	3
NU-624S	Advanced Practice Nursing Seminar II: Adult Gerontology [1]	1
Total Credits		39

[1]   *Must be passed with a grade of "B" or better*

Bridge Program for Registered Nurses

Registered nurses with a bachelor's degree in a field other than nursing can bridge into the MSN program by taking three upper-division undergraduate nursing courses (9 credits) at Monmouth University prior to taking courses in the MSN track of his or her choice. One of the three courses may be waived, at the program director's discretion if the student has already completed a college-level health assessment or an appropriate continuing education course.

RN to MSN Direct Program

The RN to MSN Direct Program is designed to allow nurses to quickly attain an MSN degree. Registered nurses who presently hold an associate degree or diploma in nursing will be able to earn an MSN degree without earning a baccalaureate degree on upon successful completion of courses totaling 150 credits. Students are accepted into the RN to MSN Direct Program as graduate students. Successful completion of the Undergraduate Nursing Certificate is a prerequisite for taking graduate nursing (NU) courses. See the School of Nursing (p. 194) section of the current graduate catalog for additional acceptance criteria. Depending on the selected MSN track, students are required to complete 30 undergraduate preparatory credits, and 36 to 48 graduate nursing credits, in order to earn a Master of Science in Nursing degree, as stipulated by the State of New Jersey, students must document completion of at least 150 credits.

Admission Requirements

1. Possession of a BSN from an accredited program, with a minimum 3.0 GPA. RN students with a baccalaureate degree other than nursing may be admitted into the "bridge" program.
2. A current New Jersey RN license and one year of work experience as a registered professional nurse. For APN tracks one year of experience in the enrolled specialty track is required before beginning the clinical specialty practicum.
3. A personal statement (one to two pages) outlining professional goals.
4. Two letters of recommendation.
5. A college-level course in health assessment. (An appropriate continuing education course may be substituted at the program director's discretion.) This requirement does not apply to the Nursing Administration concentration.
6. Proof of a current $1,000,000 to $3,000,000 liability and malpractice policy.
7. Résumé.

MSN: Family Nurse Practitioner

Code	Title	Credits
Graduate Nursing Core (12 credits)		
NU-508	Factors Affecting Healthcare [1]	3
NU-512	Nursing Research for Advanced Nursing Practice [1]	3
NU-514	Data Management for Advanced Nursing Practice [1]	3
NU-518	Education and Motivation of Nursing Clients [1]	3
APN Concentration (16 credits)		
NU-521	Pathophysiology and Histology [1]	3
NU-524	Pharmacology for Advanced Nursing Practice [1]	3
NU-535	Advanced Health Assessment [1]	3
NU-541	Primary Care [1]	3
NU-542	Primary Care Laboratory [1]	1
NU-635	Advanced Practice Nursing Pediatrics [1]	2
NU-635P	Advanced Practice Nursing Pediatrics Practicum	1
Clinical Specialty Family (14 credits)		
NU-631	Advanced Practice Nursing I: Family [1]	3
NU-632P	Advanced Practice Nursing Practicum I: Family [1]	3
NU-632S	Advanced Practice Nursing Seminar I: Family [1]	1
NU-633	Advanced Practice Nursing II: Family [1]	3
NU-634P	Advanced Practice Nursing Practicum II: Family [1]	3
NU-634S	Advanced Practice Nursing Seminar II: Family [1]	1
Total Credits		42

[1]   *Must be passed with a grade of "B" or better*

Bridge Program for Registered Nurses

Registered nurses with a bachelor's degree in a field other than nursing can bridge into the MSN program by taking three upper-division undergraduate nursing courses (9 credits) at Monmouth University prior to taking courses in the MSN track of his or her choice. One of the three courses may be waived, at the program director's discretion if the student has already completed a college-level health assessment or an appropriate continuing education course.

RN to MSN Direct Program

The RN to MSN Direct Program is designed to allow nurses to quickly attain an MSN degree. Registered nurses who presently hold an associate degree or diploma in nursing will be able to earn an MSN degree without earning a baccalaureate degree on upon successful completion of courses totaling 150 credits. Students are accepted into the RN to MSN Direct Program as graduate students. Successful completion of the Undergraduate Nursing Certificate is a prerequisite for taking graduate nursing (NU) courses. See the School of Nursing (p. 194) section of the current graduate catalog for additional acceptance criteria. Depending on the selected MSN track, students are required to complete 30 undergraduate preparatory credits, and 36 to 48 graduate nursing credits, in order to earn a Master of Science in Nursing degree, as stipulated by the State of New Jersey, students must document completion of at least 150 credits.

Admission Requirements

1. Possession of a BSN from an accredited program, with a minimum 3.0 GPA. RN students with a baccalaureate degree other than nursing may be admitted into the "bridge" program.

2. A current New Jersey RN license and one year of work experience as a registered professional nurse. For APN tracks one year of experience in the enrolled specialty track is required before beginning the clinical specialty practicum.

3. A personal statement (one to two pages) outlining professional goals.

4. Two letters of recommendation.

5. A college-level course in health assessment. (An appropriate continuing education course may be substituted at the program director's discretion.) This requirement does not apply to the Nursing Administration concentration.

6. Proof of a current $1,000,000 to $3,000,000 liability and malpractice policy.

7. Résumé.

RN to MSN Direct Program

Students who are interested in pursuing this program must apply to a Master of Science in Nursing program and fulfill all admission requirements after the completion of the Undergraduate Certificate in Nursing.

MSN: Forensic Nursing

Code	Title	Credits
Graduate Nursing Core (12 credits)		
NU-508	Factors Affecting Healthcare [1]	3
NU-512	Nursing Research for Advanced Nursing Practice [1]	3
NU-514	Data Management for Advanced Nursing Practice [1]	3
NU-518	Education and Motivation of Nursing Clients [1]	3
Advanced Practice Concentration (15 credits)		
NU-521	Pathophysiology and Histology [1]	3
NU-524	Pharmacology for Advanced Nursing Practice [1]	3
NU-543	Diagnosis and Treatment of Psychopathology [1]	3
NU-536	Advanced Health Assessment for Forensic Nurses	3
NU-577	Forensic Pathology [1]	3
Forensic Nursing Specialty (9 credits)		
NU-575	Issues in Forensic Nursing [1]	3
NU-576	Interpersonal Violence [1]	3
NU-578P	Forensic Nursing Practicum	2
NU-578S	Forensic Nursing Seminar [1]	1
Select one of the following:		0
NU-SANE	Sexual Assault Nurse Examiner	
	Mediocolegal Death Investigation college level course	
	Continuing Education course of at least 40 hours	
Total Credits		36

[1]   *Must be passed with a grade of "B" or better.*

experience in the enrolled specialty track is required before beginning the clinical specialty practicum.

3. A personal statement (one to two pages) outlining professional goals.
4. Two letters of recommendation.
5. A college-level course in health assessment. (An appropriate continuing education course may be substituted at the program director's discretion.) This requirement does not apply to the Nursing Administration concentration.
6. Proof of a current $1,000,000 to $3,000,000 liability and malpractice policy.
7. Résumé.

RN to MSN Direct Program

Students who are interested in pursuing this program must apply to a Master of Science in Nursing program and fulfill all admission requirements after the completion of the Undergraduate Certificate in Nursing.

MSN: Nursing Administration

Code	Title	Credits
Graduate Nursing Core (12 credits)		
NU-508	Factors Affecting Healthcare [1]	3
NU-512	Nursing Research for Advanced Nursing Practice [1]	3
NU-514	Data Management for Advanced Nursing Practice [1]	3
NU-518	Education and Motivation of Nursing Clients [1]	3
Nursing Administration Concentration (9 credits)		
BA-513	Financial Accounting	1.5
BA-514	Managerial Accounting	1.5
BE-511	Microeconomics	1.5
BE-512	Macroeconomics	1.5
BK-520	Foundations of Marketing Management	1.5
BM-517	Introduction to Management	1.5
Nursing Administration Specialty (12 credits)		
NU-661	Nursing Administration I [1]	3
NU-662P	Nursing Administration I Practicum [1]	2
NU-662S	Nursing Administration I Seminar [1]	1
NU-663	Nursing Administration II [1]	3
NU-664P	Nursing Administration II Practicum [1]	2
NU-664S	Nursing Administration II Seminar [1]	1
Total Credits		33

[1] *Must be passed with a grade of "B" or better.*

Bridge Program for Registered Nurses

Registered nurses with a bachelor's degree in a field other than nursing can bridge into the MSN program by taking three upper-division undergraduate nursing courses (9 credits) at Monmouth University prior to taking courses in the MSN track of his or her choice. One of the three courses may be waived, at the program director's discretion if the student has already completed a college-level health assessment or an appropriate continuing education course.

RN to MSN Direct Program

The RN to MSN Direct Program is designed to allow nurses to quickly attain an MSN degree. Registered nurses who presently hold an associate degree or diploma in nursing will be able to earn an MSN degree without earning a baccalaureate degree on upon successful completion of courses totaling 150 credits. Students are accepted into the RN to MSN Direct Program as graduate students. Successful completion of the Undergraduate Nursing Certificate is a prerequisite for taking graduate nursing (NU) courses. See the School of Nursing *(*p. 194*)* section of the current graduate catalog for additional acceptance criteria. Depending on the selected MSN track, students are required to complete 30 undergraduate preparatory credits, and 36 to 48 graduate nursing credits, in order to earn a Master of Science in Nursing degree, as stipulated by the State of New Jersey, students must document completion of at least 150 credits.

Admission Requirements

1. Possession of a BSN from an accredited program, with a minimum 3.0 GPA. RN students with a baccalaureate degree other than nursing may be admitted into the "bridge" program.
2. A current New Jersey RN license and one year of work experience as a registered professional nurse. For APN tracks one year of experience in the enrolled specialty track is required before beginning the clinical specialty practicum.
3. A personal statement (one to two pages) outlining professional goals.
4. Two letters of recommendation.
5. A college-level course in health assessment. (An appropriate continuing education course may be substituted at the program director's discretion.) This requirement does not apply to the Nursing Administration concentration.
6. Proof of a current $1,000,000 to $3,000,000 liability and malpractice policy.
7. Résumé.

RN to MSN Direct Program

Students who are interested in pursuing this program must apply to a Master of Science in Nursing program and fulfill all admission requirements after the completion of the Undergraduate Certificate in Nursing.

MSN: Nursing Education

Code	Title	Credits
Graduate Nursing Core (12 credits)		
NU-508	Factors Affecting Healthcare [1]	3
NU-512	Nursing Research for Advanced Nursing Practice [1]	3
NU-514	Data Management for Advanced Nursing Practice [1]	3
NU-518	Education and Motivation of Nursing Clients [1]	3
Advanced Practice Concentration (9 credits)		
NU-521	Pathophysiology and Histology [1]	3
NU-524	Pharmacology for Advanced Nursing Practice [1]	3
NU-535	Advanced Health Assessment [1]	3
Nursing Education Specialty (12 credits)		

NU-562	Tests and Measures [1]	3
NU-564	Curriculum Development and Instruction in Nursing [1]	3
NU-566P	Nurse Educator Practicum I	2
NU-566S	Nurse Educator Seminar I	1
NU-567P	Nurse Educator Practicum II	2
NU-567S	Nurse Educator Seminar II	1
Total Credits		33

[1]   *Must be passed with a grade of "B" or better.*

Bridge Program for Registered Nurses

Registered nurses with a bachelor's degree in a field other than nursing can bridge into the MSN program by taking three upper-division undergraduate nursing courses (9 credits) at Monmouth University prior to taking courses in the MSN track of his or her choice. One of the three courses may be waived, at the program director's discretion if the student has already completed a college-level health assessment or an appropriate continuing education course.

RN to MSN Direct Program

The RN to MSN Direct Program is designed to allow nurses to quickly attain an MSN degree. Registered nurses who presently hold an associate degree or diploma in nursing will be able to earn an MSN degree without earning a baccalaureate degree on upon successful completion of courses totaling 150 credits. Students are accepted into the RN to MSN Direct Program as graduate students. Successful completion of the Undergraduate Nursing Certificate is a prerequisite for taking graduate nursing (NU) courses. See the School of Nursing *(p. 194)* section of the current graduate catalog for additional acceptance criteria. Depending on the selected MSN track, students are required to complete 30 undergraduate preparatory credits, and 36 to 48 graduate nursing credits, in order to earn a Master of Science in Nursing degree, as stipulated by the State of New Jersey, students must document completion of at least 150 credits.

Admission Requirements

1. Possession of a BSN from an accredited program, with a minimum 3.0 GPA. RN students with a baccalaureate degree other than nursing may be admitted into the "bridge" program.

2. A current New Jersey RN license and one year of work experience as a registered professional nurse. For APN tracks one year of experience in the enrolled specialty track is required before beginning the clinical specialty practicum.

3. A personal statement (one to two pages) outlining professional goals.

4. Two letters of recommendation.

5. A college-level course in health assessment. (An appropriate continuing education course may be substituted at the program director's discretion.) This requirement does not apply to the Nursing Administration concentration.

6. Proof of a current $1,000,000 to $3,000,000 liability and malpractice policy.

7. Résumé.

RN to MSN Direct Program

Students who are interested in pursuing this program must apply to a Master of Science in Nursing program and fulfill all admission requirements after the completion of the Undergraduate Certificate in Nursing.

MSN: Psychiatric and Mental Health Nurse Practitioner

Code	Title	Credits
Graduate Nursing Core (12 credits)		
NU-508	Factors Affecting Healthcare [1]	3
NU-512	Nursing Research for Advanced Nursing Practice [1]	3
NU-514	Data Management for Advanced Nursing Practice [1]	3
NU-518	Education and Motivation of Nursing Clients [1]	3
APN Concentration (13 credits)		
NU-521	Pathophysiology and Histology [1]	3
NU-524	Pharmacology for Advanced Nursing Practice [1]	3
NU-535	Advanced Health Assessment [1]	3
NU-543	Diagnosis and Treatment of Psychopathology [1]	3
NU-544	Diagnosis and Treatment of Psychopathology Clinical Laboratory [1]	1
Clinical Specialty (20 credits)		
NU-669	Psychiatric Mental Health Nursing I: Practice with Children and Adolescents [1]	3
NU-670P	Psychiatric Mental Health Nurse Practitioner Nursing I: Practice with Children and Adolescents Practicum	2
NU-670S	Psychiatric Mental Health Nursing I: Practice with Children and Adolescents Seminar [1]	1
NU-671	Advanced Practice Psychiatric/Mental Health Nursing II: Psychopharmacology and Introduction to Therapy [1]	3
NU-672P	Advanced Practice Psychiatric/ Mental Health Nursing Practicum II	3
NU-672S	Advanced Practice Psychiatric/Mental Health Nursing Seminar II [1]	1
NU-673	Advanced Practice Psychiatric/ Mental Health Nursing III [1]	3
NU-674P	Advanced Practice Psychiatric/Mental Health Nursing Practicum III	3
NU-674S	Advanced Practice Psychiatric/Mental Health Nursing Seminar III [1]	1
Total Credits		45

[1]   *Must be passed with a grade of "B" or better.*

Bridge Program for Registered Nurses

Registered nurses with a bachelor's degree in a field other than nursing can bridge into the MSN program by taking three upper-division undergraduate nursing courses (9 credits) at Monmouth University prior to taking courses in the MSN track of his or her choice. One of the three courses may be waived, at the program director's discretion if the

student has already completed a college-level health assessment or an appropriate continuing education course.

RN to MSN Direct Program

The RN to MSN Direct Program is designed to allow nurses to quickly attain an MSN degree. Registered nurses who presently hold an associate degree or diploma in nursing will be able to earn an MSN degree without earning a baccalaureate degree on upon successful completion of courses totaling 150 credits. Students are accepted into the RN to MSN Direct Program as graduate students. Successful completion of the Undergraduate Nursing Certificate is a prerequisite for taking graduate nursing (NU) courses. See the School of Nursing (p. 194) section of the current graduate catalog for additional acceptance criteria. Depending on the selected MSN track, students are required to complete 30 undergraduate preparatory credits, and 36 to 48 graduate nursing credits, in order to earn a Master of Science in Nursing degree, as stipulated by the State of New Jersey, students must document completion of at least 150 credits.

Admission Requirements

1. Possession of a BSN from an accredited program, with a minimum 3.0 GPA. RN students with a baccalaureate degree other than nursing may be admitted into the "bridge" program.
2. A current New Jersey RN license and one year of work experience as a registered professional nurse. For APN tracks one year of experience in the enrolled specialty track is required before beginning the clinical specialty practicum.
3. A personal statement (one to two pages) outlining professional goals.
4. Two letters of recommendation.
5. A college-level course in health assessment. (An appropriate continuing education course may be substituted at the program director's discretion.) This requirement does not apply to the Nursing Administration concentration.
6. Proof of a current $1,000,000 to $3,000,000 liability and malpractice policy.
7. Résumé.

RN to MSN Direct Program

Students who are interested in pursuing this program must apply to a Master of Science in Nursing program and fulfill all admission requirements after the completion of the Undergraduate Certificate in Nursing.

MSN: School Nursing - Non-Certified School Nurses

Code	Title	Credits
Graduate Nursing Core (9 credits)		
NU-508	Factors Affecting Healthcare [1]	3
NU-512	Nursing Research for Advanced Nursing Practice [1]	3
NU-514	Data Management for Advanced Nursing Practice [1]	3
School Nursing Concentration (9 credits)		
NU-521	Pathophysiology and Histology [1]	3
NU-524	Pharmacology for Advanced Nursing Practice [1]	3
NU-535	Advanced Health Assessment [1]	3
School Nursing Specialty (20 credits)		
NU-585	School Nursing I [1]	4
NU-586	School Nursing II [1]	4
NU-587P	Practicum: School Nurse I	2
NU-587S	Seminar: School Nurse I [1]	2
NU-588P	Practicum: School Nurse II	2
NU-588S	Seminar: School Nurse II [1]	2
NU-584	Curriculum and Instruction in Health Education [1]	4
Total Credits		38

[1]   *Must be passed with a grade of "B" or better.*

Bridge Program for Registered Nurses

Registered nurses with a bachelor's degree in a field other than nursing can bridge into the MSN program by taking three upper-division undergraduate nursing courses (9 credits) at Monmouth University prior to taking courses in the MSN track of his or her choice. One of the three courses may be waived, at the program director's discretion if the student has already completed a college-level health assessment or an appropriate continuing education course.

Note

- **Students without a BSN may need to complete undergraduate credits in foundation courses.**

Admission Requirements

1. Possession of a BSN from an accredited program, with a minimum 3.0 GPA. RN students with a baccalaureate degree other than nursing may be admitted into the "bridge" program.
2. A current New Jersey RN license and one year of work experience as a registered professional nurse. For APN tracks one year of experience in the enrolled specialty track is required before beginning the clinical specialty practicum.
3. A personal statement (one to two pages) outlining professional goals.
4. Two letters of recommendation.
5. A college-level course in health assessment. (An appropriate continuing education course may be substituted at the program director's discretion.) This requirement does not apply to the Nursing Administration concentration.
6. Proof of a current $1,000,000 to $3,000,000 liability and malpractice policy.
7. Résumé.

RN to MSN Direct Program

Students who are interested in pursuing this program must apply to a Master of Science in Nursing program and fulfill all admission requirements after the completion of the Undergraduate Certificate in Nursing.

MSN: School Nursing for Certified School Nurses

Code	Title	Credits
Graduate Nursing Core (9 credits)		
NU-508	Factors Affecting Healthcare [1]	3
NU-512	Nursing Research for Advanced Nursing Practice [1]	3
NU-514	Data Management for Advanced Nursing Practice [1]	3
School Nursing Concentration (9 credits)		
NU-521	Pathophysiology and Histology [1]	3
NU-524	Pharmacology for Advanced Nursing Practice [1]	3
NU-535	Advanced Health Assessment [1]	3
School Nursing Specialty (12 credits)		
NU-585	School Nursing I [1]	4
NU-586	School Nursing II [1]	4
NU-584	Curriculum and Instruction in Health Education	4
Total Credits		30

[1] *Must be passed with a grade of "B" or better.*

Bridge Program for Registered Nurses

Registered nurses with a bachelor's degree in a field other than nursing can bridge into the MSN program by taking three upper-division undergraduate nursing courses (9 credits) at Monmouth University prior to taking courses in the MSN track of his or her choice. One of the three courses may be waived, at the program director's discretion if the student has already completed a college-level health assessment or an appropriate continuing education course.

Admission Requirements

1. Possession of a BSN from an accredited program, with a minimum 3.0 GPA. RN students with a baccalaureate degree other than nursing may be admitted into the "bridge" program.
2. A current New Jersey RN license and one year of work experience as a registered professional nurse. For APN tracks one year of experience in the enrolled specialty track is required before beginning the clinical specialty practicum.
3. A personal statement (one to two pages) outlining professional goals.
4. Two letters of recommendation.
5. A college-level course in health assessment. (An appropriate continuing education course may be substituted at the program director's discretion.) This requirement does not apply to the Nursing Administration concentration.
6. Proof of a current $1,000,000 to $3,000,000 liability and malpractice policy.
7. Résumé.

RN to MSN Direct Program

Students who are interested in pursuing this program must apply to a Master of Science in Nursing program and fulfill all admission requirements after the completion of the Undergraduate Certificate in Nursing.

Doctor of Nursing Practice

Code	Title	Credits
DNP Requirements (36 credits)		
NU-701	Translating Evidence to Clinical Practice	3
NU-702	Health Promotion in Diverse Populations	3
NU-703	Epidemiology and Genetics/Genomics	3
NU-705	Interprofessional Collaboration and Team Facilitation	2
NU-706	Leadership Immersion I	1
NU-715	Organizational Leadership in Healthcare	3
NU-716	Health Care Policy for Advocacy in Health Care	3
NU-718	Health Care Economics and Financial Management	3
NU-720	Research Methods in Healthcare Leadership	3
NU-730	Doctor Nursing Practice Project I	3
NU-731	Leadership Immersion II	3
NU-732	Doctor Nursing Practice Project II	3
NU-733	Leadership Immersion III	3
Total Credits		36

Note

- All courses must be passed with a grade of "B" or better.

Sequence Chart

First Year

Fall	Credits	Spring	Credits
NU-701 Translating Evidence to Clinical Practice	3	NU-703 Epidemiology and Genetics/Genomics	3
NU-715 Organizational Leadership in Healthcare	3	NU-716 Health Care Policy for Advocacy in Health Care	3
Semester Credits	6	Semester Credits	6

Second Year

Fall	Credits	Spring	Credits
NU-702 Health Promotion in Diverse Populations	3	NU-705 Interprofessional Collaboration and Team Facilitation	2
NU-720 Research Methods in Healthcare Leadership	3	NU-706 Leadership Immersion I	1
		NU-730 Doctor Nursing Practice Project I	3
Semester Credits	6	Semester Credits	6

Third Year

Fall	Credits	Spring	Credits
NU-718 Health Care Economics and Financial Management	3	NU-732 Doctor Nursing Practice Project II	3
NU-731 Leadership Immersion II	3	NU-733 Leadership Immersion III	3
Semester Credits	6	Semester Credits	6

Total Credits 36

Note:

- Students who start in the spring should follow the same sequence by starting with the same courses for fall in the spring.

Admission Requirements

1. Applicant must be a graduate of an accredited Master's in Nursing program or a related field (i.e., MBA, MPH, MHA).
2. Possession of an active RN license.
3. Certification in a specialization is preferred.
4. Must have a minimum of GPA of 3.2 or higher on a 4.0 scale.
5. Currently employed.
6. Statement of vision of her/his leadership role to improve healthcare outcomes.
7. Résumé that includes details of current practice.
8. Two professional and/or academic letters of recommendation.
9. Official transcripts from all previous college work.
10. Telephone or in person interview may be a part of the admission process.
11. Current liability and malpractice insurance of $1,000,000 to $3,000,000.
12. After admission, prior to starting classes, students must submit to the School of Nursing and Health Studies a certificate of good health from a primary care practitioner, including a health history and physical examination with associated laboratory studies, immunizations, and criminal background checks in accordance with the special requirements of affiliation contracts with clinical agencies.

Forensic Nursing Graduate Certificate

Code	Title	Credits
Forensic Concentration (15 credits)		
NU-521	Pathophysiology and Histology [1]	3
NU-524	Pharmacology for Advanced Nursing Practice [1]	3
NU-536	Advanced Health Assessment for Forensic Nurses	3
NU-543	Diagnosis and Treatment of Psychopathology [1]	3
NU-577	Forensic Pathology [1]	3
Forensic Nursing Specialty (9 credits)		
NU-575	Issues in Forensic Nursing [1]	3
NU-576	Interpersonal Violence [1]	3
NU-578P	Forensic Nursing Practicum	2
NU-578S	Forensic Nursing Seminar [1]	1
Select one of the following:		0
NU-SANE	Sexual Assault Nurse Examiner	
	Mediocolegal Death Investigation college level course	
	Continuing Education course of at least 40 hours	
Total Credits		24

[1] *Must be passed with a grade of "B" or better*

Admission Requirements

1. Possession of a baccalaureate degree with a minimum 2.75 GPA.
2. A current New Jersey RN license, a year of experience as a registered nurse, and proof of a current $1,000,000 to $3,000,000 liability and malpractice policy.

Adult-Gerontological Primary Care Nurse Practitioner Post-Master's Certificate

Code	Title	Credits
APN Core (9 credits) [1]		
NU-521	Pathophysiology and Histology [2]	3
NU-524	Pharmacology for Advanced Nursing Practice [2]	3
NU-535	Advanced Health Assessment [2]	3
APN Concentration (4 credits)		
NU-541	Primary Care [1]	3
NU-542	Primary Care Laboratory	1
Clinical Specialty - Adult (14 credits)		
NU-621	Advanced Practice Nursing I: Adult Gerontology [1]	3
NU-622P	Advanced Practice Nursing Practicum I: Adult-Gerontology	3
NU-622S	Advanced Practice Nursing Seminar I: Adult Gerontology [1]	1
NU-623	Advanced Practice Nursing II: Adult Gerontology [1]	3
NU-624P	Advanced Practice Nursing Practicum: Adult Gerontology	3
NU-624S	Advanced Practice Nursing Seminar II: Adult Gerontology [1]	1
Total Credits		27

[1] *Must be passed with a grade of "B" or better*

[2] *may be waived if the student has completed equivalent courses at the graduate level with a grade of "B" (3.0) or better*

Admission Requirements

1. Possession of a baccalaureate degree with a 3.0 GPA and a master's degree in nursing.
2. A current New Jersey RN license, a year of experience as a registered nurse and proof of a current $1,000,000 to $3,000,000 liability and malpractice policy. A year of experience in the enrolled specialty track is required to begin the clinical specialty practicum.
3. A personal statement (one or two pages) outlining professional goals.
4. Two letters of recommendation.
5. A college-level course in health assessment. (An appropriate continuing education course may be substituted at the program director's discretion for the nursing practitioner tracks.) This requirement does not apply to the Nursing Administration concentration.
6. Résumé.

Family Nurse Practitioner Post-Master's Certificate

Code	Title	Credits
APN Core (9 credits) [1]		
NU-521	Pathophysiology and Histology [2]	3
NU-524	Pharmacology for Advanced Nursing Practice [2]	3
NU-535	Advanced Health Assessment [2]	3
APN Concentration (7 credits)		
NU-541	Primary Care [1]	3
NU-542	Primary Care Laboratory [1]	1
NU-635	Advanced Practice Nursing Pediatrics [1]	2
NU-635P	Advanced Practice Nursing Pediatrics Practicum	1
Clinical Specialty - Family (14 credits)		
NU-631	Advanced Practice Nursing I: Family [1]	3
NU-632P	Advanced Practice Nursing Practicum I: Family	3
NU-632S	Advanced Practice Nursing Seminar I: Family [1]	1
NU-633	Advanced Practice Nursing II: Family [1]	3
NU-634P	Advanced Practice Nursing Practicum II: Family	3
NU-634S	Advanced Practice Nursing Seminar II: Family [1]	1
Total Credits		30

[1] *Must be passed with a grade of "B" or better*

[2] *May be waived if the student has completed equivalent courses at the graduate level with a grade of "B" (3.0) or better*

Admission Requirements

1. Possession of a baccalaureate degree with a 3.0 GPA and a master's degree in nursing.
2. A current New Jersey RN license, a year of experience as a registered nurse and proof of a current $1,000,000 to $3,000,000 liability and malpractice policy. A year of experience in the enrolled specialty track is required to begin the clinical specialty practicum.
3. A personal statement (one or two pages) outlining professional goals.
4. Two letters of recommendation.
5. A college-level course in health assessment. (An appropriate continuing education course may be substituted at the program director's discretion for the nursing practitioner tracks.) This requirement does not apply to the Nursing Administration concentration.
6. Résumé.

Psychiatric and Mental Health Nurse Practitioner Post-Master's Certificate

Code	Title	Credits
APN Core (9 credits) [1]		
NU-521	Pathophysiology and Histology [2]	3
NU-524	Pharmacology for Advanced Nursing Practice [2]	3
NU-535	Advanced Health Assessment [2]	3
APN Concentration (4 credits)		
NU-543	Diagnosis and Treatment of Psychopathology [1]	3
NU-544	Diagnosis and Treatment of Psychopathology Clinical Laboratory [1]	1
Clinical Specialty (20 credits)		
NU-669	Psychiatric Mental Health Nursing I: Practice with Children and Adolescents [1]	3
NU-670P	Psychiatric Mental Health Nurse Practitioner Nursing I: Practice with Children and Adolescents Practicum	2
NU-670S	Psychiatric Mental Health Nursing I: Practice with Children and Adolescents Seminar [1]	1
NU-671	Advanced Practice Psychiatric/Mental Health Nursing II: Psychopharmacology and Introduction to Therapy [1]	3
NU-672P	Advanced Practice Psychiatric/ Mental Health Nursing Practicum II	3
NU-672S	Advanced Practice Psychiatric/Mental Health Nursing Seminar II [1]	1
NU-673	Advanced Practice Psychiatric/ Mental Health Nursing III [1]	3
NU-674P	Advanced Practice Psychiatric/Mental Health Nursing Practicum III	3
NU-674S	Advanced Practice Psychiatric/Mental Health Nursing Seminar III [1]	1
Total Credits		33

[1] *Must be passed with a grade of "B" or better*

[2] *May be waived if the student has completed equivalent courses at the graduate level with a grade of "B" (3.0) or better*

Admission Requirements

1. Possession of a baccalaureate degree with a 3.0 GPA and a master's degree in nursing.
2. A current New Jersey RN license, a year of experience as a registered nurse and proof of a current $1,000,000 to $3,000,000 liability and malpractice policy. A year of experience in the enrolled specialty track is required to begin the clinical specialty practicum.
3. A personal statement (one or two pages) outlining professional goals.
4. Two letters of recommendation.
5. A college-level course in health assessment. (An appropriate continuing education course may be substituted at the program director's discretion for the nursing practitioner tracks.) This requirement does not apply to the Nursing Administration concentration.
6. Résumé.

School Nursing Graduate Endorsement

Code	Title	Credits
Requirements (23 credits)		
NU-535	Advanced Health Assessment	3
NU-584	Curriculum and Instruction in Health Education [1]	4
NU-585	School Nursing I [1]	4
NU-586	School Nursing II [1]	4
NU-587P	Practicum: School Nurse I [1]	2
NU-587S	Seminar: School Nurse I [1]	2
NU-588P	Practicum: School Nurse II	2
NU-588S	Seminar: School Nurse II [1]	2
Total Credits		**23**

[1] *Must be passed with a grade of "B" or better.*

Note:

Students without a BSN may need to complete undergraduate credits in foundation nursing courses.

Admission Requirements

1. Possession of a baccalaureate degree with a minimum 2.75 GPA.
2. A current New Jersey RN license, a year of experience as a registered nurse, and proof of a current $1,000,000 to $3,000,000 liability and malpractice policy.

School Nursing Non-Instructional Graduate Endorsement

Code	Title	Credits
Requirements (13 credits)		
NU-535	Advanced Health Assessment	3
NU-536	Advanced Health Assessment for Forensic Nurses [1]	3
NU-541	Primary Care [1]	3
NU-587P	Practicum: School Nurse I [1]	2
NU-587S	Seminar: School Nurse I [1]	2
Total Credits		**13**

[1] *Must be passed with a grade of "B" or better.*

Note:

Students without a BSN may need to complete undergraduate credits in foundation nursing courses.

Admission Requirements

1. Possession of a baccalaureate degree with a minimum 2.75 GPA.
2. A current New Jersey RN license, a year of experience as a registered nurse, and proof of a current $1,000,000 to $3,000,000 liability and malpractice policy.

PHYSICIAN ASSISTANT PROGRAM

Director: Scott Richards, Ph.D.

Master of Science-Physician Assistant

The M.S. in Physician Assistant is a three-year, full-time, ninety-five-credit program that begins each fall. One class is admitted per year. The program is cohort-based, meaning that students have a predetermined course schedule each semester and move along in the program with the same group of peers. As a result, students are able to support each other and work and study in a community-like atmosphere. Classes are held at the Monmouth University Graduate Center in Monmouth Park Corporate Center.

At its **March 2019** meeting, the Accreditation Review Commission on Education for the Physician Assistant, Inc. (ARC-PA) extended **Accreditation-Probation** status for the **Monmouth University Physician Assistant Program** sponsored by Monmouth University until its next review in March 2021.

Probation is a temporary status of accreditation conferred when a program does not meet the Standards and when the capability of the program to provide an acceptable educational experience for its students is threatened.

Once placed on probation, programs that still fail to comply with accreditation requirements in a timely manner, as specified by the ARC-PA, may be scheduled for a focused site visit and/or risk having their 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 mission of the Monmouth University physician assistant program is to educate physician assistants to provide compassionate, patient-centered, quality healthcare in a variety of settings. Program graduates will possess clinical skills to serve a diverse patient population and have the ability to advance the profession through leadership and research.

Our goals are to prepare physician assistants who:

- Function as high-quality physician assistants providing primary care in a variety of medical or surgical specialties.
- Learn how to integrate critical thinking and clinical reasoning into an evidence-based approach to patient management.
- Understand the importance of delivering high-value, cost-conscious care while adding quality improvement to a practice setting.
- Develop professional skills in order to work as collaborative members of the healthcare team.
- Understand and respect diversity with interpersonal skills that allow effective communication with patients, their families, physicians, and other healthcare professionals.
- Develop an intellectual curiosity by engaging in critical evaluation of the practice of medicine through research and publishing.

The program consists of two phases: the didactic phase and the clinical phase. The didactic phase is forty-two weeks consisting of classroom and clinical skills laboratory instruction, with hospital and clinic experiences. The clinical phase consists of sixty weeks of clinical clerkships, in which students are assigned to preceptors at various hospitals and physician offices. Course descriptions are located in *the course description section* of this catalog. Please refer to the *Admission* section of this catalog for the admission requirements. Students must successfully complete all courses and clinical clerkships in order to be eligible to graduate from the program.

Upon acceptance to this program, students will be required to meet health and immunization requirements and complete a background check. More information can be found in the Physician Assistant Student Handbook, posted on our Web site. (http://www.monmouth.edu/pa/)

Programs
Masters

M.S. in Physician Assistant (p. 228)

Faculty

Frank Daminai, Specialist Professor. B.A., University of West Virginia; Doctorate of Medicine and Science, University of Rome.
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Gina Lamandre, Specialist Professor.
Interim Program Director of the Physician Assistant Program. B.S., The College of New Jersey; PA-C, M.S., University of Massachusetts; M.S., University of Medicine and Dentistry. Emergency and family medicine.
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Stephanie Lynch, Specialist Professor. B.S., Arizona University; PA-C, M.S., George Washington University. Experience in occupational medicine, OBGYN, urgent care, and internal medicine. Professor Lynch is natinally certified as a physician assistant and is licensed in New Jersey.
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Erin O'Donoghue, Specialist Professor. B.S., Montclair State University; M.S., Seton Hall University. Spine pathologies, care of patients with pain related to neurologic, rheumatologic, orthopedic, and infectious conditions.
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Scott Richards, Associate Professor.
Physician Assistant Program Director. B.A., University of Massachusetts; B.S., Hahnemann University; M.S., Ph.D., Walden University.
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Courses

PHA-601   Human Anatomy   **Credits: 5**
Term Offered: Fall Term
Course Type(s): None
Anatomy is a central focus of basic science education. During this course the student is introduced to gross anatomy presented by the regional approach. The student becomes familiar with the back, chest, upper extremity, abdomen, pelvis, lower extremity, neck, head, the central nervous system, and internal viscera. Instruction is primarily in lecture and lab format. However, atlases, computer programs, and other visual aids are available. Student performance is evaluated in both written and practical examinations.

PHA-602   Human Physiology   **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
Provides a basic understanding of human physiology while covering the processes of how the body functions. This lecture-based class will lead to an understanding of how the body responds to stimuli and how it maintains homeostasis while exposed to a varying environment.

PHA-603   Introduction to Patient Assessment   **Credits: 5**
Term Offered: Fall Term
Course Type(s): None
Students will be introduced to basic history taking and physical examination techniques, psychosocial development and behavior, and the effective relationship between the physician assistant, other health professionals, and the patient. Techniques of physical examination and use of examining equipment are introduced. Students are assigned to preceptors for the purpose of taking complete histories and performing a complete physical examination on patients.

PHA-604   Behavioral Medicine   **Credits: 2**
Term Offered: Fall Term
Course Type(s): None
Provides an overview of psychiatric concepts and an introductory approach to the evaluation of patients with behavioral issues. Includes a discussion of various psychiatric syndromes, with a review of causal factors and clinical presentation. Provides an overview of normal human behavior development over the life span. The impact that psychological problems have on the total health care of the patient will be emphasized.

PHA-605   Health Promotion   **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
Designed to prepare students to provide healthcare and patient education using a patient-centered approach. Students will receive in-depth instruction in the principles of the patient-provider relationship, disease and the illness experience, health promotion and disease prevention. Includes an overview of basic nutrition standards and guidelines, fundamentals of nutrition assessment, and nutrition throughout the life cycle.

PHA-606   Physical Diagnosis   **Credits: 4**
Term Offered: Spring Term
Course Type(s): None
Continuation on the focus of Introduction to Patient Assessment on developing physical examination skills and the process of clinical data collection. Introduces the process of clinical reasoning and decision making. Attention will be provided to the recognition and appropriate description of common abnormal physical findings. Emphasis will be placed on the analysis and interpretation of clinical data that occurs during the process of formulating a differential diagnosis.

PHA-607   Diagnostic and Clinical Procedures   **Credits: 5**
Term Offered: Spring Term
Course Type(s): None
Instruction in interpretation of and indications for clinical laboratory tests, electrocardiography, and diagnostic radiography. Identification and understanding of normal and abnormal results, and correlation with medical cases will be emphasized. The final exam emphasizes critical thinking with case-based analysis.

PHA-608   Pharmacology for Physician Assistants   **Credits: 2**
Co-requisite(s): PHA-609
Term Offered: Spring Term
Course Type(s): None
Covers the most common classes of medications and their use in a variety of medical conditions. The primary focus of this course is the mechanism of actions of these drug classes and a description of different types of drug-receptor interactions. This basic pharmacology course allows the physician assistant student to better understand the clinical use of drugs covered in Clinical Therapeutics (PHA-609).

PHA-609   Clinical Therapeutics   **Credits: 2**
Co-requisite(s): PHA-608
Term Offered: Spring Term
Course Type(s): None
Designed to demonstrate the practical application of pharmaceutical science as utilized for the formulation of drug therapy decisions.

PHA-610   Pathophysiology   **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Focuses on the fundamentals of the pathologic changes that occur in different organs of the body. Gross and microscopic specimens are used to provide a clear understanding of the disease processes that affect the human body. Conducted as a lecture series that is supplemented by readings, lecture notes that will be emailed to the student, and a review of pathologic slides and specimens when appropriate. Provides an understanding of the pathologic process that leads to clinical signs and symptoms of diseases.

PHA-611   Neuroscience   **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Covers the basic structure, organization, and function of the central nervous system (CNS). Lectures and laboratories focus on understanding localization of function within specific structures and pathways of the brain and spinal cord, and typical syndromes associated with vascular accidents, trauma or diseases of the various parts of the CNS. Neuroscience is a foundational course addressing basic anatomy and physiology of the nervous system. Neuroscience incorporates the view that individuals actively use their bodies in typical and adaptive strategies to achieve mastery in life roles. Behaviors are learned and generated through normal functioning of the nervous system. With damage to the central nervous system, behavior-and therefore function-is altered. The central nervous system has the capacity to adapt or compensate behaviorally. Prepares students in programs of occupational therapy, physical therapy and physician assistant with knowledge about normal function, the effects of damage, and neural plasticity in preparation for clinical intervention.

PHA-612   Introduction to the Physician Assistant Profession   Credits: 1
Term Offered: Fall Term
Course Type(s): None
Introduces the student to the physician assistant profession and professional practice issues. Includes the history of the Physician Assistant profession, significance of the PA-physician team, professional organizations, professionalism, and professional development.

PHA-615   Topics in Medicine and Surgery III   **Credits: 6**
Prerequisite(s): PHA-637 and PHA-638
Term Offered: All Terms
Course Type(s): None
Topics in Medicine and Surgery III is the third in a series of three courses instructing students in clinical medicine presented in an organ systems format. The course builds upon the knowledge acquired in Topics in Medicine & Surgery II. Students will develop their knowledge base in the genetics, epidemiology, clinical presentation, work-up, non-surgical and surgical treatment and management of the covered conditions/diseases. The courses provide students instruction in health promotion and disease prevention, generating differential diagnoses, ordering and interpreting diagnostic studies, patient management including acute and chronic care plans, patient education, and specialty referral specific for the conditions/diseases covered in each course. Combined, the Topics in Medicine and Surgery courses instruct students on the provision of medical care across the life span including prenatal, infant, children, adolescents, adults, and elderly patients. The courses emphasize the development of clinical reasoning and problem-solving abilities needed for the practice of clinical medicine. Additionally, the courses are designed to prepare students to work collaboratively in interprofessional patient centered teams.

PHA-616   Physiology & Pathophysiology I   **Credits: 3**
Course Type(s): None
This is the first of two courses providing students with in-depth study of medical physiology & pathophysiology. Physiology and Pathophysiology I is designed to offer foundational training in the principles of medical physiology and pathophysiology, in addition to more specific training pertaining to the organ systems covered in the course that, when possible, are aligned with the topics delivered in concomitant Topics in Clinical Medicine coursework. Together, the two courses provide a foundation in human physiology coupled with the in-depth study of pathophysiological processes that lead to clinical signs and symptoms of illness and diseases.

PHA-617   Physiology and Pathophysiology II   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
This is the second of two courses providing students with in-depth study of medical physiology & pathophysiology. Physiology and Pathophysiology II builds on knowledge acquired in Physiology & Pathophysiology I to offer further training in the medical physiology, in addition to more specific training pertaining to the organ systems covered in the course that, when possible, are aligned with the topics delivered in concomitant Topics in Clinical Medicine coursework. Together, the two courses provide a foundation in human physiology coupled with the in-depth study of pathophysiological processes that lead to clinical signs and symptoms of illness and diseases.

PHA-618   Pharmacology and Pharmacotherapy I   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
The Pharmacology & Pharmacotherapy I course is the first of two courses providing students with in-depth study in the science and applications of pharmacology. This course covers an introduction to the principles of pharmacology, pharamacogenetics, and pharmacotherapy in addition to the indications, contraindications, interactions, and adverse effects of specific drug classes and the drugs within each class.

PHA-619   Pharmacology and Pharmacotherapy II   **Credits: 3**
Prerequisite(s): PHA-618
Term Offered: All Terms
Course Type(s): None
The Pharmacology & Pharmacotherapy II course is the second of two courses providing students with in-depth study in the science and applications of pharmacology. This course builds upon the knowledge gained in the first semester course and provides an in-depth study of the indications, contraindications, interactions, and adverse effects of specific drug classes and the drugs within each class.

PHA-620   PA Professional Practice   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
PA Professional Practice is designed as a comprehensive introductory course to the PA profession and professional practice issues. Topics include the history of the PA profession, professionalism, team-based interprofessional care, patient-centered care practices, the medical coding, billing and documentation, healthcare systems and policies, concepts of public health, patient safety, quality improvement and risk management.

PHA-621   Topics in Medicine and Surgery   **Credits: 5**
Co-requisite(s): PHA-622
Term Offered: Fall Term
Course Type(s): None
Instructs students in the various disease entities in preparation for clinical internships. Students will develop their knowledge base in the etiology, clinical presentation, differential diagnoses, and therapeutic approach to disease processes. This course is composed of a series of lectures provided by primary care practitioners and specialists. Topics covered include a full-range of adult and pediatric health problems. An introduction to the fields of Obstetrics/Gynecology, Ophthalmology, and Surgery is included. Attention is focused on data collection, problem solving, clinical decision making, and the importance of incorporating patient education and preventive counseling in the clinical encounter.

PHA-622   Clinical Management   **Credits: 2**
Co-requisite(s): PHA-621
Term Offered: Fall Term
Course Type(s): None
Using literature searches, critical analysis, and newly acquired medical information students study various clinical patient scenarios and apply basic medical knowledge in an effort to evaluate and recommend appropriate treatment. Students will employ all the tools acquired in previous courses to analyze these scenarios to develop realistic diagnoses, problem lists, and plans incorporating the proper ancillary clinical and diagnostic methods appropriate for supporting the diagnosis. The student will also be required to recommend therapeutic measures as deemed necessary. This is the first student effort to organize all of the knowledge gained to date and to exercise this knowledge in true patient management.

PHA-623   Clinical Skills I   Credits: 3
Prerequisite(s): PHA-603
Term Offered: All Terms
Course Type(s): None
Clinical Skills I builds upon the previous semester's Introduction to Patient Assessment course to further advance interpersonal and communication skills resulting in the effective exchange of information and collaboration with patients, their families, and other health professions, development of clinical reasoning and problem-solving abilities, patient evaluation, work-up, diagnosis, intervention, and management. The course will be modularized to accompany the topics covered in the Topics in Medicine & Surgery II courses occurring in the same semester.

PHA-624   Behavioral Medicine and Psychiatry   Credits: 4
Term Offered: All Terms
Course Type(s): None
Provides an overview of psychiatric concepts and an introductory approach to the evaluation of patients with behavioral issues. Includes a discussion of various psychiatric syndromes, with a review of causal factors and clinical presentation. Provides an overview of normal human behavior development over the life span. The impact that psychological problems have on the total health care of the patient will be emphasized.

PHA-625   Research Methods I   Credits: 2
Term Offered: Spring Term
Course Type(s): None
An exploration in the fundamental concepts of research in the health sciences. Problem finding, formulation of a research question, research methodology, design, and data collection and interpretation will be addressed. Ethical considerations in research will be discussed. Published research articles will be critically analyzed. At the conclusion of the course, the students will have developed the framework of an original study, which will be further developed in PHA-626.

PHA-626   Biostatistics for Physician Assistant's Research   Credits: 2
Term Offered: Spring Term
Course Type(s): None
The goal of this course is to enhance each student's understanding and effective use of the techniques used to describe and analyze data in health sciences. The intention is not to produce the sophistication in statistics, computer programming, or psychomotor application needed to develop and carry out major research projects. Rather, it is an introductory-level course with the objective of developing students' competence in the application of the basic statistical techniques used to explore, describe, and analyze information for research or evaluation purposes.

PHA-627   Research Methods I   Credits: 3
Term Offered: All Terms
Course Type(s): None
Research Methods I is the first of 2 courses specifically designed as the PA student's graduate-level research training with emphasis on practice-based learning and improvement (PBLI). The course includes specific training in principles of practice-based learning & improvement, basic biomedical statistics, research methods & design, and the analysis and application of medical research geared towards improving patient outcomes in clinical practice. As the first of two courses, this course will serve as a foundational course enabling the PA student to develop a practice-based improvement project that will be finalized in Research Methods II delivered during the clinical phase of training.

PHA-628   Clinical Skills II   Credits: 3
Prerequisite(s): PHA-623
Term Offered: All Terms
Course Type(s): None
Clinical Skills II builds upon the previous semester's Clinical Skills I course to further advance interpersonal and communication skills resulting in the effective exchange of information and collaboration with patients, their families, and other health professions, development of clinical reasoning and problem-solving abilities, patient evaluation, work-up, diagnosis, intervention, and management. The course will be modularized to accompany the topics covered in the Topics in Medicine & Surgery III courses occurring in the same semester. Prerequisite; PHA-623.

PHA-629   Pathology   Credits: 3
Prerequisite(s): PHA-601 and PHA-602
Term Offered: All Terms
Course Type(s): None
The course provides a comprehensive overview of human pathology with emphasis on molecular and gross mechanisms of disease. The course provides an introduction to the organization, structure and function of normal cells and tissues; the pathophysiology principles of cellular injury, inflammation, circulatory disorders and atherosclerosis, immune injury, infection, degenerative disease, genetic disorders, neoplastic and environmental injury; and pathology of major organ systems.

PHA-632   Biomedical Ethics   Credits: 2
Term Offered: Fall Term
Course Type(s): None
The application of human and professional values, judgments, and choices to selective ethical dilemmas that arise in clinical practice. Traditional and contemporary approaches to resolving professional dilemmas will be discussed as well as ethics related to the delivery of healthcare.

PHA-633   Epidemiology for Physician Assistants   Credits: 2
Term Offered: Fall Term
Course Type(s): None
Provides a basic understanding of the epidemiologic method of identifying disease-causing agents. Emphasizes the generation of hypotheses based on descriptive epidemiologic data, the testing of hypotheses by analytical epidemiologic research, the determination of causality, and the value of epidemiologic research in developing disease-prevention programs.

PHA-635   Research Methods II   Credits: 1
Prerequisite(s): PHA-625
Term Offered: Spring Term
Course Type(s): None
Many of the tasks of this course are related to the completion of the research study which was begun in Research Methods I (PHA-625). Much of the work of this single-credit course is accomplished through small group activities outside of formal class sessions. Class sessions for the course are infrequent. These will be lecture-discussion sessions in which we will meet to discuss topics designed to facilitate the completion of the research study and to enhance knowledge of medical research in general. Reading assignments should be completed prior to these meetings so that class discussions can be meaningful. Lecture notes, assignments and announcements will be posted on the e-Campus course site. Students should check both class and Web-based discussions.

PHA-636   Healthcare Policy   **Credits: 2**
Term Offered: Spring Term
Course Type(s): None
The overall goal of this course is to provide the student with information regarding the various topics related to the U.S. healthcare delivery system. The student will also be made aware of the impact that healthcare policy and managed care has on the total health of a patient. The course is given during the final semester of the third professional year so the student can incorporate clinical skills with an analytical perspective on those issues that drive the current health care system. Classes will be conducted as a series of group discussions supported by the required textbook readings, e-Campus posted articles, and small group-led discussions on those articles with analysis focused on how each affects cost, quality, and access to medical care. Attention will be given to the current events surrounding the issue of healthcare reform. Additionally, the course will be augmented by occasional guest lecturers.

PHA-637   Topics in Medicine and Surgery I   **Credits: 5**
Term Offered: All Terms
Course Type(s): None
Topics in Medicine and Surgery I is one of three courses instructing students in clinical medicine presented in an organ systems format. Students will develop their knowledge base in the genetics, epidemiology, clinical presentation, work-up, non-surgical and surgical treatment and management of the covered conditions/diseases. The courses provide students instruction in health promotion and disease prevention, generating differential diagnoses, ordering and interpreting diagnostic studies, patient management including acute and chronic care plans, patient education, and specialty referral specific for the conditions/diseases covered in each course. Combined, the Topics in Medicine and Surgery courses instruct students on the provision of medical care across the life span including prenatal, infant, children, adolescents, adults, and elderly patients. The courses emphasize the development of clinical reasoning and problem-solving abilities needed for the practice of clinical medicine. Additionally, the courses are designed to prepare students to work collaboratively in interprofessional patient centered teams.

PHA-638   Topics in Medicine and Surgery II   **Credits: 6**
Prerequisite(s): PHA-637 and successful completion of all previous coursework
Term Offered: All Terms
Course Type(s): None
Topics in Medicine and Surgery II is the second of three courses instructing students in clinical medicine presented in an organ systems format. The course builds upon the knowledge acquired in Topics in Medicine & Surgery I. Students will develop their knowledge base in the genetics, epidemiology, clinical presentation, work-up, non-surgical and surgical treatment and management of the covered conditions/diseases. The courses provide students instruction in health promotion and disease prevention, generating differential diagnoses, ordering and interpreting diagnostic studies, patient management including acute and chronic care plans, patient education, and specialty referral specific for the conditions/diseases covered in each course. Combined, the Topics in Medicine and Surgery courses instruct students on the provision of medical care across the life span including prenatal, infant, children, adolescents, adults, and elderly patients. The courses emphasize the development of clinical reasoning and problem-solving abilities needed for the practice of clinical medicine. Additionally, the courses are designed to prepare students to work collaboratively in interprofessional patient centered teams.

PHA-640   Supervised Clinical Practice Experiences I   **Credits: 8**
Term Offered: All Terms
Course Type(s): None
The Supervised Clinical Practice Experiences (SCPE) courses include various clinical clerkships providing the student with the direct patient care exposures across required core and elective clinical experiences. In all experiences the student will participate in patient-care experiences under the supervision of a licensed clinician. It is in these clerkships that students apply the knowledge and skills gained in the didactic phase of the program to actual patient encounters. Combined, the four SCPE courses provide the opportunity for students to train in hospitals, emergency rooms, long-term care facilities, outpatient practices, and surgical environments.

PHA-641   Supervised Clinical Practice Experiences II   **Credits: 8**
Term Offered: All Terms
Course Type(s): None
Supervised Clinical Practice Experiences II (SCPEs II) I is the second of four courses that include various clinical clerkships arranged as modules to provide the student with direct patient care exposures across required core and elective clinical experiences over the span of four semesters. In all experiences the student will participate in the provision of medical care for patients across the lifespan under the supervision of a licensed clinician, primarily a board-certified and licensed physician or a nationally certified and licensed PA. It is in these clerkships that students apply the knowledge and skills gained in the didactic phase of the program to actual patient encounters. Combined, the four SCPE courses provide the opportunity for students to train in hospitals, emergency rooms, long-term care facilities, outpatient practices, and operative environments. At the conclusion of the four SCPEs courses, students will have had in-depth training and patient-care experiences in core areas, including Behavioral Medicine/Psychiatry, Emergency Medicine, Family Medicine, General Surgery, Internal Medicine, Pediatric Medicine, and Women's Health Care, including prenatal and gynecologic care. Additionally, students have selective clerkships that can be in one of the core areas or a specialty practice area.

PHA-642   Supervised Clinical Practice Experiences III   **Credits: 8**
Term Offered: All Terms
Course Type(s): None
Supervised Clinical Practice Experiences II (SCPEs II) I is the third of four courses that include various clinical clerkships arranged as modules to provide the student with direct patient care exposures across required core and elective clinical experiences over the span of four semesters. In all experiences the student will participate in the provision of medical care for patients across the lifespan under the supervision of a licensed clinician, primarily a board-certified and licensed physician or a nationally certified and licensed PA. It is in these clerkships that students apply the knowledge and skills gained in the didactic phase of the program to actual patient encounters. Combined, the four SCPE courses provide the opportunity for students to train in hospitals, emergency rooms, long-term care facilities, outpatient practices, and operative environments. At the conclusion of the four SCPEs courses, students will have had in-depth training and patient-care experiences in core areas, including Behavioral Medicine/Psychiatry, Emergency Medicine, Family Medicine, General Surgery, Internal Medicine, Pediatric Medicine, and Women's Health Care, including prenatal and gynecologic care. Additionally, students have selective clerkships that can be in one of the core areas or a specialty practice area.

PHA-643   Supervised Clinical Practice Experiences IV   **Credits: 8**
Term Offered: All Terms
Course Type(s): None
Supervised Clinical Practice Experiences II (SCPEs II) I is the last of four courses that include various clinical clerkships arranged as modules to provide the student with direct patient care exposures across required core and elective clinical experiences over the span of four semesters. In all experiences the student will participate in the provision of medical care for patients across the lifespan under the supervision of a licensed clinician, primarily a board-certified and licensed physician or a nationally certified and licensed PA. It is in these clerkships that students apply the knowledge and skills gained in the didactic phase of the program to actual patient encounters. Combined, the four SCPE courses provide the opportunity for students to train in hospitals, emergency rooms, long-term care facilities, outpatient practices, and operative environments. At the conclusion of the four SCPEs courses, students will have had in-depth training and patient-care experiences in core areas, including Behavioral Medicine/Psychiatry, Emergency Medicine, Family Medicine, General Surgery, Internal Medicine, Pediatric Medicine, and Women's Health Care, including prenatal and gynecologic care. Additionally, students have selective clerkships that can be in one of the core areas or a specialty practice area.

PHA-651   Clinical Clerkships I   **Credits: 5**
Term Offered: Fall Term
Course Type(s): None
Clinical Clerkship year 1 is the first of two years of clinical clerkships providing the physician assistant student with the real-time patient/clinician exposures across required core and elective clinical experiences. In all experiences the student will be a member of either a health care delivery team and/or paired with a licensed practitioner in each medical discipline or service. Students are at all times held to the highest standards of professionalism and personal integrity.

PHA-652   Clinical Clerkships II   **Credits: 12**
Term Offered: Spring Term
Course Type(s): None
Clinical Clerkship year 2 is the second clinical clerkship providing the physician assistant student with the real-time patient/clinician exposures across required core and elective clinical experiences. In all experiences the student will be a member of either a healthcare delivery team and/or paired with a licensed practitioner in each medical discipline or service. Students are at all times held to the highest standards of professionalism and personal integrity.

PHA-653   Clinical Clerkships III   **Credits: 10**
Term Offered: Fall Term
Course Type(s): None
Clinical Clerkship year 3 is the third clinical clerkship providing the physician assistant student with the real-time patient/clinician exposures across required core and elective clinical experiences. In all experiences the student will be a member of either a healthcare delivery team and/or paired with a licensed practitioner in each medical discipline or service. Students are at all times held to the highest standards of professionalism and personal integrity.

PHA-654   Clinical Clerkships IV   **Credits: 12**
Term Offered: Spring Term
Course Type(s): None
Clinical Clerkship year 4 is the fourth clinical clerkship providing the physician assistant student with the real-time patient/clinician exposures across required core and elective clinical experiences. In all experiences the student will be a member of either a healthcare delivery team and/or paired with a licensed practitioner in each medical discipline or service. Students are at all times held to the highest standards of professionalism and personal integrity.

MS in Physician Assistant

Code	Title	Credits
PHA Requirements (95 credits)		
PHA-601	Human Anatomy	5
PHA-603	Introduction to Patient Assessment	5
PHA-615	Topics in Medicine and Surgery III	6
PHA-616	Physiology & Pathophysiology I	3
PHA-617	Physiology and Pathophysiology II	3
PHA-618	Pharmacology and Pharmacotherapy I	3
PHA-619	Pharmacology and Pharmacotherapy II	3
PHA-620	PA Professional Practice	3
PHA-622	Clinical Management	2
PHA-623	Clinical Skills I	3
PHA-624	Behavioral Medicine and Psychiatry	4
PHA-627	Research Methods I	3
PHA-628	Clinical Skills II	3
PHA-629	Pathology	3
PHA-632	Biomedical Ethics	2
PHA-635	Research Methods II	1
PHA-637	Topics in Medicine and Surgery I	5
PHA-638	Topics in Medicine and Surgery II	6
PHA-640	Supervised Clinical Practice Experiences I	8
PHA-641	Supervised Clinical Practice Experiences II	8
PHA-642	Supervised Clinical Practice Experiences III	8
PHA-643	Supervised Clinical Practice Experiences IV	8
Total Credits		95

Sequence Chart:

(The sequence below is intended for the Class of 2021 for the third year course sequence. All other Physician Assistant students should speak with their advisor for course sequence planning)

Third Year

Fall	Credits	Spring	Credits	Summer	Credits
CLASS OF 2021, THIRD YEAR		PHA-635 Research Methods II	1	Will likely include make-up for Clinical Clerkships II if all rotations not able to be completed in Spring 2021 as planned due to COVID-19 Related Issues	

PHA-632 Biomedical Ethics	2	PHA-636 Healthcare Policy	2		
PHA-633 Epidemiology for Physician Assistants	2	PHA-654 Clinical Clerkships IV	12		
PHA-653 Clinical Clerkships III	10				
Semester Credits	14	Semester Credits	15	Semester Credits	0

Total Credits 29

Admission Requirements

1. Applicants must submit a completed Central Application Service for Physician Assistants (CASPA) application and the Monmouth University application fee.

2. Applicants must be able to meet the program's technical standards and sign and submit the Technical Standards Acknowledgement form via the CASPA system.

3. Possession of a baccalaureate degree from a regionally accredited college or university. Applicants not having a baccalaureate degree by time of interview, if accepted into the program, will automatically fall into an Accepted Conditional status pending completion of their degree but must have degree completed prior to matriculation.

4. A minimum cumulative GPA of 3.0 on a 4.0 scale from all institutions and a minimum cumulative GPA of 3.0 in prerequisite courses.

5. Successful completion, within 10 years before application, of the following prerequisite courses and associated semester credit hours (sch) with a grade of "C" or better (pass/fail grading not accepted): Human Anatomy with lab (4 sch) and Human Physiology with lab (4 sch) or, alternatively, Human Anatomy & Physiology I and II, each with lab and each 4 sch; Chemistry I and II with lab, each 4 sch; Biology I with lab (4 sch); Microbiology with lab (4 sch); General Psychology (3 sch); Medical Terminology (2 sch minimum): certificate courses and contact hour courses are not acceptable; course can be taken online; Statistics or Biostatistics (3 sch): statistics courses within social or natural science departments (e.g., psychology) are acceptable. AP or CLEP credit for any prerequisite courses is not accepted. Specific to COVID-19 related issues, in-person courses transitioned to online format will be considered for acceptance in fulfilling admission requirements. Outside of COVID-19 related issues, online courses, other than medical terminology, will not be considered for fulfilling admission requirements. All courses must be completed at a regionally accredited College or University. Applicants who completed coursework from a college or university outside of the U.S. must submit a transcript evaluation from a reputable transcript evaluation service.

6. English language proficiency. Students whose native language is not English must provide an English proficiency score meeting the University's requirements.

7. A minimum of 200 hours of paid or unpaid (i.e., volunteer) direct patient care experience by time of application (up to 20 shadowing hours with a PA can be included).

8. Graduate Record Examination (GRE), taken in the past five years, is required for all applicants There is no specific score needed for consideration; however, competitive applicants have scores above the 50th percentile in each of the test areas.

9. Three Letters of Reference submitted via the CASPA system.

THE SCHOOL OF SOCIAL WORK

Dean: Robin Mama, Ph.D.

Assistant Dean: Leah Lazzaro, D.S.W.

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 MSW Program at Monmouth University prepares graduates for advanced social work practice in one of two unique concentrations:

- Clinical Practice with Families and Children (p. 238)
- Global and Community Practice (p. 238)

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:

1. social and economic justice through the advancement of human rights,
2. strengths-based empowerment, and
3. 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

Master of Social Work Concentrations

There are two concentrations offered at Monmouth University at the graduate level:

- Clinical Practice with Families and Children (C.P.F.C.) (p. 238) and
- Global and Community Practice (G.C.P.). (p. 238)

Common to both concentrations is a commitment to the mission of the School of Social Work at Monmouth University: improving the quality of life of vulnerable individuals, families, groups, and communities on the local, national, and international levels.

The courses in the Clinical Practice with Families and Children (C.P.F.C.) concentration prepares students for advanced social work practice with individuals, couples, families, and groups. It builds on the foundation-year course work where the full complement of social work roles was explored. The advanced year, however, focuses primarily on clinical counseling skills and culturally competent use of self in complex working relationships with clients and client groups. While the emphasis is on clients' strengths, and working together toward their empowerment is continued, students learn about and apply clinical skills to family, children, and mental-health agency settings; child welfare, criminal justice, and host settings in which clinical social work most often takes place.

The Global and Community Practice (G.C.P.) concentration primarily uses community development theory and practice to address developing-world social and economic justice, inequality, oppression, and discrimination issues in developed and developing countries. Culturally competent community development respects the integrity and worth of individuals and communities with diverse backgrounds. G.C.P. focuses the practice of social work at mezzo and macro levels with agencies and client populations within the context of global interdependence of social problems. Courses stress the knowledge, values, skills, and ethics of practice at the mezzo and macro levels, with specific content on the ethics of the International Federation of Social Workers and the declarations of the United Nations.

Graduate Certificate: Play and Expressive Therapies

The Graduate Certificate in Play and Expressive Therapies is an eighteen-credit program and provides the 150-course-hour requirement. Additionally, students in this program work toward acquiring the necessary 500 hours of experiential practice in play therapy and fifty

hours of supervision, as required by the Association for Play Therapy (APT), Inc., for the Registered Play Therapist (RPT) certification.

Graduate Certificate: Clinical Social Work Licensure

The Graduate Certificate for Clinical Social Work Licensure is an 18-credit program designed for students that have completed a Master in Social Work (MSW) from a Council on Social Work Education (CSWE) accredited program, but need additional clinical course work to complete the educational requirements of the State of New Jersey to become a Licensed Clinical Social Worker (LCSW). Students must have a completed MSW degree and be a Licensed Social Worker (LSW) for admission to the certificate program.

Addiction Professionals Certification Board of New Jersey, Inc.

Since the fall of 2000, the School of Social Work at Monmouth University, in cooperation with the Addiction Professionals Certification Board of New Jersey, Inc., has offered the course work needed for the Certified Alcohol and Drug Counselor (CADC) certification. In the summer of 2004, the certification became a license. The Department of Social Work continues to work with the State of New Jersey, Department of Law and Public Safety, Division of Consumer Affairs, Board of Marriage and Family Therapists, Drug and Alcohol Committee to provide the course work needed for the state-issued Licensed Certified Alcohol and Drug Counselor (LCADC).

The School of Social Work recognizes the need for addictions training to serve the substance abuse-affected population and their families. In order to serve this special population, the State Board requires that proper certifications be in place or in process.

Any M.S.W. student (in the C.P.F.C. concentration) who takes the elective course SW-604 Clinical Practice in Addictions (3 cr.) and a one-credit course that are offered each year here at Monmouth University will have completed the necessary course work towards his or her LCADC. Students who are completing their internship hours in a drug and alcohol placement may count those hours toward the required field hours for the LCADC as well as their M.S.W. degree. The course work and field hours are good for five years after they have been taken, and students are required to keep their own records. All other requirements towards the LCADC will need to be met by the student on his or her own, according to the State of New Jersey, Department of Law and Public Safety, Division of Consumer Affairs, Board of Marriage and Family Therapists, Drug and Alcohol Committee. For additional information regarding the requirements for the LCADC, please contact:

State Board of Marriage and Family Therapy Examiners
Alcohol and Drug Counselor Committee
PO Box 45040
124 Halsey Street, 12th Floor
Newark, NJ 07101
973-504-6582

Programs
Masters

- MSW Clinical Practice with Families and Children Concentration (p. 238)
- MSW Global and Community Practice Concentration (p. 238)

Certificate

- Graduate Certificate: Play and Expressive Therapies (p. 239)
- Graduate Certificate: Clinical Social Work Licensure (http://catalog.monmouth.edu/graduate-catalog/social-work/graduate-certificate-clinical-social-work-licensure/)

Faculty

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. mcronin@monmouth.edu

Ralph Cuseglio, Assistant 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

Robin Mama, Professor (Graduate Faculty). Dean, School of Social Work. B.S.W., College of Misericordia; M.S.S., Ph.D., Bryn Mawr College. Areas of interest include occupational safety and health, field education, and culturally competent social work practice. Current research projects include international social work and human rights. rmama@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. gmathbor@monmouth.edu

Paul Urbanski, Assistant 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-503   Social Work Practice with Individuals and Families   Credits: 3
Term Offered: All Terms
Course Type(s): None
This beginning practice course introduces students to the basic processes of social work and the roles and skills needed for foundation practice. Relevant theories of social work practice with individuals and families are explored in relation to interviewing skills and assessment strategies. The course integrates ethical/value standards, multicultural and diverse contexts, and populations at risk. Effective practice methods, ethical issues, and the problem-solving process are incorporated. Students must earn a grade of B or higher in this course or it will have to be repeated.

SW-505   Social Welfare Policy and Services I   Credits: 3
Term Offered: Fall Term
Course Type(s): None
The first of two required courses in social policy defines social policy; examines the social, economic; and political circumstances that give rise to social problems and their policy solutions; explores frameworks for analyzing these solutions; and reviews a history of the profession of social work.

SW-507   Social Work Research   Credits: 3
Term Offered: All Terms
Course Type(s): None
Develops the student's ability to use and engage in both quantitative and qualitative research in order to inform and evaluate his or her own social practice. Addresses key research concepts and procedures, such as hypothesis formulation, measurement, sampling, research design, and data collection.

SW-509   Human Behavior in the Social Environment I   Credits: 3
Term Offered: Fall Term
Course Type(s): None
This is the first semester of a two-semester course sequence within which students use theory and empirical data to assess human behavior as it develops in a variety of sociopolitical environments. A strengths-based, empowerment-focused paradigm is introduced to help students conceptualize biological, psychological, cognitive, and social factors as they influence human growth and development within families.

SW-510   Field Practicum I   Credits: 3
Term Offered: Fall Term
Course Type(s): None
This is the first part of a yearlong seminar required of all first-year MSW students completing a field internship. The purpose of the seminar is to integrate experiences from the field with course work, discussion, and personal reflections. Students must earn a grade of B or higher in this course or it will have to be repeated.

SW-513   Social Work Practice in Groups   Credits: 3
Term Offered: All Terms
Course Type(s): None
Builds on social work practice, knowledge, skills and techniques. Describes social work practice with groups. It begins by delving into the history of group work in social work practice. Essentially, the course will explain the stages of group development, as well as concepts and theories related to group work treatment. In addition, different styles of group leadership will be presented, as well as group member roles. Students will be expected to role-play various stages of group development. Group process will also incorporate an ecosystems perspective, with overall emphasis on empowerment utilizing a strengths perspective. Special attention will be given to human rights, social and economic justice, diversity and cultural issues with respect to social work practice with groups. Students must earn a grade of "B or higher or it will have to be repeated.

SW-515   Social Welfare Policy and Services II   Credits: 3
Prerequisite(s): SW-505
Term Offered: Spring Term
Course Type(s): None
Theories and frameworks are used to analyze the development, operation, impact, and strategies for change in today's social welfare policies and services. Students apply analytic skills, scientific knowledge and research concepts to deepen their knowledge about different settings, populations and issues that are influenced and shaped by social needs, social policy, ethical questions, oppression and concerns for social justice.

SW-518   Global Community Practice   Credits: 3
Prerequisite(s): SW-509
Term Offered: All Terms
Course Type(s): None
Required of all graduate Social Work majors, this course focuses on the community as the unit of intervention. Students will be introduced to the spectrum of macro social work practice from a global perspective. Students will learn the skills necessary for conceptualizing and facilitating social change, whether at the agency, neighborhood, state, federal or international level. Direct action (grassroots) organizing will be the framework for learning about social change. Examines international organizing movements and how these compare to organizing efforts in the United States. Students must earn a grade of B or higher in this course or it will have to be repeated.

SW-519   Human Behavior in the Social Environment II   Credits: 3
Prerequisite(s): SW-509
Term Offered: All Terms
Course Type(s): None
This is the second semester of a two-semester course sequence within which students use theory and empirical data to assess human behavior as it develops within a variety of sociopolitical environments. A strengths-based, empowerment-focused paradigm is developed to help students conceptualize the interactions among social identities, such as race, class, ethnicity, sexual orientation and gender expression, as they influence human behavior in larger sociopolitical entities, such as groups, organizations, and communities.

SW-520   Field Practicum II   **Credits: 3**
Prerequisite(s): SW-510 passed with a grade of B or higher
Co-requisite(s): SW-503, SW-513 and SW-518
Term Offered: All Terms
Course Type(s): None
The second part of a yearlong seminar required of all first-year MSW students completing a field internship. The seminar is generalist in focus. Students must earn a grade of B or higher in this course or it will have to be repeated.

SW-598   Special Topics in Social Work   **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
The subject matter varies with the interest of the students and the professor teaching the course. The exact nature of the topic covered in any given semester is indicated in the student's transcript. Permission of the department chair required to take this course. If a prerequisite is required it will be announced in the course schedule.

SW-599   Independent Study in Social Work   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Reading and research under the direction of a member of the Social Work faculty. Prior permission of the directing professor and department chair is required to take this course.

SW-602   Domestic Violence   **Credits: 3**
Prerequisite(s): SW-503, SW-505, SW-507, SW-509, SW-513, SW-515, SW-518, SW-519; and SW-510 and SW-520 both passed with a grade of B or higher
Term Offered: All Terms
Course Type(s): None
Highlights the issues of power and control with respect to violence. The societal beliefs and mores of different cultures that condone violence will be examined. The patterns of domestic violence will be studied from the points-of-view of the victims as well as the abusers. Methods of social work practice with family violence as well as current treatment procedures with abusers and victims are included.

SW-603   Addictions Considerations   **Credits: 1**
Prerequisite(s): SW-503, SW-505, SW-507, SW-509, SW-513, SW-515, SW-518, SW-519; and SW-510 and SW-520 both passed with a grade of B or higher
Term Offered: Spring Term
Course Type(s): None
Deals with the practice of social work with substance abusing clients. It is meant to supplement material covered in SW -604 (Clinical Practice in Addictions) to fulfill the obligations of licensure from the state of New Jersey.

SW-604   Clinical Practice in Addictions   **Credits: 3**
Prerequisite(s): SW-503, SW-505, SW-507, SW-509, SW-513, SW-515, SW-518, SW-519; and SW-510 and SW-520 both passed with a grade of B or higher
Term Offered: All Terms
Course Type(s): None
Evaluates the clinical implications of substance use and abuse at three levels of social work practice. On the micro level, clinical implications including symptomatology, etiology, and physiology of substance use will be addressed. Assessment and treatment theory and techniques will be explored, implemented, and evaluated. On a mezzo level, the effects on, and needs of, the extended family and systemic community of those who use substances, will be addressed. Strategies for meeting those needs will be researched and evaluated. Lastly, on the macro level, existing resources available and active policy regarding substance abuse will be critically studied, and potential proposed changes will be discussed.

SW-605   Clinical Practice with Families and Children   **Credits: 3**
Prerequisite(s): SW-503, SW-505, SW-507, SW-509, SW-513, SW-515, SW-518, and SW-519; and SW-510 and SW-520 both passed with a grade of B or higher
Term Offered: All Terms
Course Type(s): None
Provides a historical perspective on family- centered practice. Introduces major theories and intervention types that are the foundation for clinical work with diverse families. Also listed as EDC-605. Students must earn a grade of B or higher in this course or it will have to be repeated.

SW-611   Social Work Practice with Parents   **Credits: 3**
Prerequisite(s): SW-503, SW-505, SW-507, SW-509, SW-513, SW-515, SW-518, SW-519; and SW-510 and SW-520, both passed with a grade of B or higher
Term Offered: All Terms
Course Type(s): None
Introduces students to assessment and intervention with individuals/ couples/groups who are in parenting roles. Parenting techniques from a strengths based perspective and introduced. This course is 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. Ethnic, culture and gender issues are included in the course information as they apply. Family violence, parenting styles, parenting roles, substance abuse and adolescence conflict are among the topics discussed in this course.

SW-613   Social Work Leadership and Management   **Credits: 3**
Prerequisite(s): SW-503, SW-505, SW-507, SW-509, SW-513, SW-515, SW-518, SW-519, and SW-510 and SW-520 both passed with a grade of B or higher.
Term Offered: Fall Term
Course Type(s): None
Students will learn the basic principles and applied practice of management and leadership in nonprofit human service and nongovernmental organizations from a social work perspective grounded in social justice and human rights. A wide range of human services management competencies are studied in this class while identifying internal and external environments for human service organizations and non-governmental organizations. Also, this course will review various organizational theories; human resource management skills; finance resource management skills and knowledge; and other current concerns in human service management.

SW-614   Grant Writing   **Credits: 3**
Term Offered: All Terms
Course Type(s): TPS
Provides students with the opportunity to develop grant writing skills, to apply for a grant for their field internship agency and to begin to learn about project management. Emphasis will be placed on writing skills, concept development, program development and budget preparation. This course is suitable for students in either concentration.

SW-615   Advanced Global and Community Practice   **Credits: 3**
Prerequisite(s): SW-503, SW-505, SW-507, SW-509, SW-513, SW-515, SW-518, SW-519; and SW-510 and SW-520 both passed with a grade of B or higher
Term Offered: Fall Term
Course Type(s): None
This is the first course in the concentration on Global and Community Practice. It is designed to introduce the student to local and global social work practice, with a special emphasis on community development and community organizing. The historical and current political context of development, the policies and practices of international aid, humanitarian agencies, governments and multilateral organizations and the role of social work in addressing human rights and needs are critically examined. Emphasis is given to the impact of social welfare policy decisions upon oppressed population groups and the implications of these decisions for human rights and social and economic justice. The importance of engaging organizations, community groups and institutions and allies to work together to address problems or conditions they have identified and wish to solve or change will also be highlighted. The macro context of the relationship and tensions between Global North and Global South development and practice are explored, as is the impact of this context on global community practice. Knowledge, skills and awareness for community practice work in multicultural local, transnational, and global settings are emphasized in this course. Engagement of communities and organizations via social media campaigns and collaborative in-person activities are also highlighted. Students must earn a grade of "B" or higher in this class or it will have to be repeated and this may delay a student's ability to move forward in the program. Prerequisites: SW-503, SW-505, SW-507, SW-509, SW-513, SW-515, SW-518, SW-519, and SW-510 and SW-520 both passed with a grade of B or higher

SW-616   Social Work Practice with the Aged   **Credits: 3**
Prerequisite(s): SW-503, SW-505, SW-507, SW-509, SW-513, SW-515, SW-518, SW-519; and SW-510 and SW-520 both passed with a grade of B or higher
Term Offered: All Terms
Course Type(s): None
Designed for students specializing in practice with the aged and their families. Examines normative and pathological aging personality. Emphasis is placed on the development of specialized knowledge and skills for assessment, intervention, and evaluation of a variety of issues and needs common in later life. Discussions on the applicability of certain interventions with the older adult and the family will be presented along with ethno-cultural and gender considerations.

SW-617   Environmental Justice and Sustainable Development in Social Work   **Credits: 3**
Prerequisite(s): SW-503, SW-505, SW-507, SW-509, SW-513, SW-515, SW-518, SW-519; and SW-510 and SW-520, both passed with a grade of B or higher
Term Offered: Fall Term
Course Type(s): None
Addresses environmental crises and sustainable development challenges facing social workers in local and global arenas. Special attention will be made to conceptualize these challenges, themes and issues using a social justice and human rights framework embodied in Green Social Work. Social work pathways to facilitating environmental justice through local and global policy, coalitions and programming. Students must earn a "B" or higher in this class or it will have to be repeated and this may delay a student's ability to move forward in the program.

SW-619   Social Work Supervision   **Credits: 3**
Prerequisite(s): SW-503, SW-505, SW-507, SW-509, SW-513, SW-515, SW-518, SW-519; and SW-510 and SW-520 both passed with a grade of B or higher
Term Offered: All Terms
Course Type(s): None
Familiarizes students with the basic concepts of supervision as a vital component of social work practice in three areas: practice skills, administrative needs and evaluation. Covers a historical and theoretical view of supervision, techniques, styles, supervise counter transference, authority, power and the supervision process. Emphasis is placed on the dynamics of supervision, ethical and value principles, professional boundaries and supervision as a leadership function.

SW-621   Social Work with Military Families   **Credits: 3**
Prerequisite(s): SW-503, SW-505, SW-507, SW-509, SW-513, SW-515, SW-518, SW-519; and SW-510 and SW-520 both passed with a grade of B or higher
Term Offered: All Terms
Course Type(s): None
This course is an MSW elective. It is designed to assist students in understanding military systems and cultures within the United States. Also, we will examine contemporary areas of practice for social workers within and outside of the military. Special attention will be given to the impacts of the current and historical conflicts on military personnel, their families, and veterans and also to the ethical issues of working with these populations.

SW-623   Social Innovations   Credits: 3
Term Offered: All Terms
Course Type(s): None
The problems facing today's world - global poverty, disease, climate change - are more complex than ever before, and solutions require interdisciplinary thinking and cross-sector collaboration. Social innovation represents a new paradigm that supports the development, implementation, and sustainability of transformational responses to social needs. Social innovation focuses attention on the ideas and solutions that create social value - as the processes through which they are generated, not just on individuals and organizations. This course introduces students to the strategies and processes of social innovation and social change. Students will gain knowledge of strategies of change that include the innovative activities of social and political entrepreneurs, activists, organizations, and social movements. Students will examine several individuals and groups who have catalyzed important positive social change through different organizational platforms - in the market, in government, within the nonprofit sector, and increasingly in the space between these three sectors. Throughout the course students will examine social innovation through case studies, best practice analyses, and relevant readings.

SW-625   Program Planning and Evaluation   Credits: 3
Prerequisite(s): SW-503, SW-505, SW-507, SW-509, SW-513, SW-515, SW-518, SW-519; and SW-510 and SW-520 both passed with a grade of B or higher
Term Offered: Spring Term
Course Type(s): None
Provides information about the techniques and procedures involved in the planning process and in the application of research methods to social work practice at the community level. Focus will be on the conceptualization of a social program and on process or planning and the outcome evaluation research. Different approaches to planning and evaluation from a strengths-based empowerment perspective will be surveyed. Students will deal with the theoretical and practical problems of planning and evaluating social welfare programs and services for individuals and families in a global context.

SW-626   Evaluation of Practice Effectiveness   Credits: 3
Prerequisite(s): SW-503, SW-505, SW-507, SW-509, SW-513, SW-515, SW-518 and SW-519; and SW-510 and SW-520 both passed with a grade of B or higher
Term Offered: All Terms
Course Type(s): None
Provides information about the values, techniques and procedures involved in the application of research methods to social services and programming. The focus will be on the conceptualization of a social program and on process and outcome evaluation research. Students will deal with the theoretical and practical problems of evaluating social work and social welfare programs and services.

SW-627   Implications of Social Justice and Human Rights for Social Work   Credits: 3
Prerequisite(s): SW-503, SW-505, SW-507, SW-509, SW-513, SW-515, SW-518, SW-519; and SW-510 and SW-520 both passed with a grade of B or higher
Term Offered: All Terms
Course Type(s): None
First of a two-course sequence examining the implications and applications of social justice and human rights within social work. Within this course, students develop their knowledge of social justice and human rights principles and theories. Students analyze the implications of those principles and theories for the profession of social work as they develop a proposal for the implementation of social justice and human rights in either an agency-based, creative, or research-focused project.

SW-628   School Social Work   Credits: 3
Prerequisite(s): SW-503, SW-505, SW-507, SW-509, SW-510, SW-513, SW-515, SW-518, and SW-519; and SW-510 and SW-520 both passed with a grade of B or higher
Term Offered: All Terms
Course Type(s): None
Designed for students in the MSW program who are either in a school social work field internship, who currently work in the school system, or who anticipate becoming a school social worker in the future. Provides a conceptual framework for understanding social work services in schools. It will also cover educational policy, pupil rights, and the current social issues that school personnel handle.

SW-629   Spirituality and Social Work   Credits: 3
Prerequisite(s): SW-503, SW-505, SW-507, SW-509, SW-513, SW-515, SW-518, SW-519; and SW-510 and SW-520 both passed with a grade of B or higher
Term Offered: Fall Term
Course Type(s): None
Provides a forum in which students will explore spirituality in social work practice. Through a critically reflective approach, this course prepares students to respond competently and ethically to diverse spiritual perspectives in relation to themselves, their clients and the helping relationships they create with them.

SW-630   Field Practicum III FC   Credits: 3
Prerequisite(s): SW-503, SW-505, SW-507, SW-509, SW-513, SW-515, SW-518, SW-519; and SW-510 and SW-520 both passed with a grade of B or higher
Term Offered: All Terms
Course Type(s): None
Required for advanced-standing students and those in the second year of the MSW program in the CPFC concentration. Focuses on advanced skills and particular techniques used with vulnerable and oppressed populations at each stage of the direct practice helping process and with difficult practice situations, such as resistant and involuntary clients, divorced families, child abuse and neglect, and other serious social problems affecting individuals, client groups, dyads, and family systems. Case examples representing complex client situations are drawn from the populations served by students in their fieldwork placements with a specific emphasis placed on working from a social justice and human rights perspective in the field. Students must earn a grade of B or higher in this course or it will have to be repeated.

SW-631   Field Practicum III CI   **Credits: 3**
Prerequisite(s): SW-503, SW-505, SW-507, SW-509, SW-513, SW-515,
SW-515, SW-518, and SW-519; and SW-510 and SW-520 both passed with
a grade of B or higher
Term Offered: Fall Term
Course Type(s): None
The semester is spent examining issues and methods in international and
community practice. Some time will be spent considering an internship
overseas in the spring semester. To this end, the course will expose
all students to issues in living and working overseas and on cross-
cultural understanding. Special attention is given to strategies that
specifically target human rights issues, both in the United States and
abroad. Designed to relate specifically to students completing their third
semester of field practicum in a macro setting. Students must earn a
grade of B or higher in this course or it will have to be repeated.

SW-632   Crisis Intervention   **Credits: 3**
Prerequisite(s): SW-503, SW-505, SW-507, SW-509, SW-513, SW-515,
SW-518, SW-519; and SW-510 and SW-520 both passed with a grade of B
or higher
Term Offered: All Terms
Course Type(s): None
Examines the multiple definitions, concepts, and models of crisis
intervention. Addresses the issue of scope and timing of services.
Additionally, the issue of categories of events (private vs. public) will be
discussed. The education and training of the crisis intervention specialist
will also be explored. The effect of a crisis on the individual, the family
and the community is considered. Sociocultural factors will also be
considered also.

SW-635   Suicide Prevention and Intervention   **Credits: 3**
Prerequisite(s): SW-503, SW-505, SW-507, SW-509, SW-513, SW-515,
SW-518, SW-519; and SW-510 and SW-520 both passed with a grade of B
or higher
Term Offered: All Terms
Course Type(s): None
Designed to provide the student with an introduction to the fundamental
knowledge and skills necessary for the understanding of and working in
clinical practice with individuals at risk for suicidal thoughts, attempts,
and completions. Myths and facts of suicide will be reviewed along with
providing information on the state of the evidence base for epidemiology,
risk factors, prevention, intervention and postvention with the school-
aged child and adolescent, elderly, and special high-risk populations such
as Native Americans. Open only to MSW students. Students from other
majors must get permission of the professor to enroll.

SW-640   Field Practicum IV FC   **Credits: 3**
Prerequisite(s): SW-630 passed with a grade of B or higher
Co-requisite(s): SW-605, SW-645, and SW-665
Term Offered: All Terms
Course Type(s): None
This second course in advanced fieldwork practice focuses on the
application of social justice and human rights in practice with individuals,
families and groups. It will focus on how culture and the global
environment influence assessment and intervention. Students must earn
a grade of B or higher in this course or it will have to be repeated.

SW-641   Field Practicum IV CI   **Credits: 3**
Prerequisite(s): SW-631 passed with a grade of B or higher
Co-requisite(s): SW-615 and SW-617
Term Offered: All Terms
Course Type(s): None
Designed to relate specifically to students completing their fourth
semester of field practicum in a macro setting. Students are completing
250 hours of fieldwork during this semester while taking this class. It will
covers a topic of current interest in social work: cultural competency in
the organization and best practice content and readings related to each
student's specific field internship. Students must earn a grade of B or
higher in this course or it will have to be repeated.

**SW-645   Clinical Social Work Assessment Diagnosis and Intervention
Planning**   **Credits: 3**
Prerequisite(s): SW-503, SW-505, SW-507, SW-509, SW-513, SW-515,
SW-518, SW-519; and SW-510 and SW-520 both passed with a grade of B
or higher
Term Offered: All Terms
Course Type(s): None
Addresses advanced assessment, diagnosis, and intervention planning
with adults. Examines the use of advanced theory in understanding
problem formulation, assessment, diagnosis, and intervention
planning utilizing a clinical social work approach. Attention is directed
to sociocultural factors, policy issues and global environment
considerations that impact diagnosis and intervention with persons
seeking clinical social work services. The impact of poverty, racism,
sexism, homophobia and various manifestations of institutionalized
oppression upon clients and clinicians is considered. Intervention
methods that enhance adaptive functioning and resiliency are explored.
Provides students with an understanding of social work values and ethics
as directly related to clinical work, the relevance of critical thinking skills,
and the importance of collaborative intervention planning and evaluation
of treatment effectiveness. Students must earn a grade of B or higher in
this course or it will have to be repeated.

SW-654   Humanitarian Issues in War and Armed Conflict   **Credits: 3**
Prerequisite(s): SW-503, SW-505, SW-507, SW-509, SW-513, SW-515,
SW-518, SW-519; and SW-510 and SW-520 both passed with a grade of B
or higher
Term Offered: Spring Term
Course Type(s): None
Challenges students to explore and discuss important questions
around protecting the rights of vulnerable people during the times of
war. International humanitarian law is a set of rules that seeks, for
humanitarian reasons, to limit the effects of armed conflict. It protects
persons who are not or are no longer participating in the hostilities and
restricts the means and methods of warfare. International humanitarian
law is also known as the law of war or the law of armed conflict. Only
open to MSW students. Students from other majors must get permission
of the professor to enroll.

SW-665   Advanced Clinical Practice with Children   **Credits: 3**
Prerequisite(s): SW-503, SW-505, SW-507, SW-509, SW-513, SW-515, SW-518, SW-519; and SW-510 and SW-520 both passed with a grade of B or higher
Term Offered: Spring Term
Course Type(s): None
Builds upon the foundation of individual, family and group work, with advanced practice applications for social work with children. Assessment and intervention skills used with children and adolescents are taught in relation to special issues that impact upon children today nationally and internationally. Students must earn a grade of B or higher in this course or it will have to be repeated.

SW-669   Applications of Social Justice and Human Rights in Social Work   **Credits: 3**
Prerequisite(s): SW-503, SW-505, SW-507, SW-509, SW-513, SW-515, SW-518, SW-519, and SW-627; and SW-510 and SW-520 both passed with a grade of B or higher
Term Offered: All Terms
Course Type(s): None
Second of a two-course sequence examining the implications and applications of social justice and human rights within social work. Guides students in the practice and application of social justice and human rights theories within their concentration-specific engagement with social work. Students undertake the implementation of a project that advances social justice and human rights as appropriate to their concentration area and practice interests.

SW-672   Advanced Theory in Play Therapy   **Credits: 3**
Term Offered: All Terms
Course Type(s): OL
Provides an in-depth understanding of the history and theories of play therapy. Emphasis is placed on the understanding of the roles of therapists and parents through the play process. Diversity and multicultural considerations for theoretical perspectives are highlighted. Also listed as EDL-672 and PC-672.

SW-673   Advanced Techniques in Play Therapy   **Credits: 3**
Term Offered: All Terms
Course Type(s): HY
Provides students with the opportunity to develop techniques and methods of play therapy. Emphasis is placed on working with children, adolescents, and adults through individual, group, and family play therapy. Major topics include group play therapy, family play therapy, short-term play therapy, and sand tray/sand play therapy. Additionally, diversity and multicultural considerations are highlighted. Also listed as EDL-673 and PC-673.

SW-674   Play Therapy for Children at Risk   **Credits: 3**
Term Offered: All Terms
Course Type(s): OL
Focus is on play therapy with vulnerable and high-risk children. Emphasis on working with children, adolescents, and adults using play therapy in trauma and crisis situations is highlighted. Special attention is given to social issues that can lead to or exacerbate trauma or crisis. Also listed as EDL-674 and PC-674.

SW-675   Play Therapy Practicum Seminar I   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
First of a two-course sequence focusing on the application of play therapy theories and techniques. Students will acquire experience using play therapy theories and techniques that can be used toward the requirements for RPT certification. Students will process the clinical experience of play with children and adolescents, with a review of advanced skills, assessment, and treatment planning during individual and group supervision in the university seminar through videotaped sessions and discussion. The therapeutic relationship is emphasized. Limited to Play Therapy (C.P.SW.PT.) program majors. Students cannot enroll in SW-676 or PC-676 at the same time. Also listed as PC-675.

SW-676   Play Therapy Practicum Seminar II   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Second of a two-course sequence focusing on the application of play therapy theories and techniques. Students will acquire experience using play therapy theories and techniques that can be used toward the requirements for RPT certification. Students will process the clinical experience of play with children and adolescents, with a review of advanced skills, assessment, and treatment planning during individual and group supervision in the university seminar through videotaped sessions and discussion. Legal and ethical issues, transference/countertransference, and working with parents/caregivers are emphasized. Limited to Play Therapy (C.P.SW.PT.) program majors. Cannot enroll in PC-675 at the same time. Also listed as PC-676. Prior permission of the CPSWPT Program Coordinator is required.

SW-698   Special Topics in Social Work   **Credits: 3**
Prerequisite(s): SW-503, SW-505, SW-507, SW-509, SW-513, SW-515, SW-518, SW-519; and SW-510 and SW-520 both passed with a grade of B or higher
Term Offered: All Terms
Course Type(s): None
The subject matter varies with the interest of the students and the professor teaching the course. The exact nature of the topic covered in any given semester is indicated in the student's transcript. Permission of the program director is required.

SW-699   Independent Study in Social Work   **Credits: 3**
Prerequisite(s): SW-503, SW-505, SW-507, SW-509, SW-513, SW-515, SW-518, SW-519; and SW-510 and SW-520 both passed with a grade of B or higher
Term Offered: All Terms
Course Type(s): None
Reading and research leading to significant written work under the direction of a member of the social work faculty. Prior permission of the directing professor and department chair is required to take this course.

MSW Clinical Practice with Families and Children Concentration

Code	Title	Credits
Foundation Courses (24 credits)		
SW-503	Social Work Practice with Individuals and Families [1]	3
SW-505	Social Welfare Policy and Services I	3
SW-507	Social Work Research	3
SW-509	Human Behavior in the Social Environment I	3
SW-510	Field Practicum I [1]	3
SW-513	Social Work Practice in Groups [1]	3
SW-518	Global Community Practice [1]	3
SW-520	Field Practicum II [1]	3
Advanced Core Courses (6 credits)		
SW-627	Implications of Social Justice and Human Rights for Social Work	3
SW-669	Applications of Social Justice and Human Rights in Social Work	3
Family and Children Concentration (18 credits)		
SW-605	Clinical Practice with Families and Children [1]	3
SW-626	Evaluation of Practice Effectiveness	3
SW-645	Clinical Social Work Assessment Diagnosis and Intervention Planning [1]	3
SW-665	Advanced Clinical Practice with Children [1]	3
SW-630	Field Practicum III FC [1]	3
SW-640	Field Practicum IV FC [1]	3
Electives (6 credits)		
Select 2 courses from approved departmental selections 600+ level		6
Total Credits		54

[1]   *Must be passed with a grade of "B" or better*

Sequence Chart

(Full time 60 credits. If your circumstances are different, please consult with your advisor.)

First Year

Fall	Credits	Spring	Credits
SW-503 Social Work Practice with Individuals and Families	3	SW-507 Social Work Research	3
SW-510 Field Practicum I	3	SW-513 Social Work Practice in Groups	3
SW-509 Human Behavior in the Social Environment I	3	SW-520 Field Practicum II	3
SW-518 Global Community Practice	3	SW-515 Social Welfare Policy and Services II	3
Semester Credits	12	Semester Credits	12

Second Year

Fall	Credits	Spring	Credits
Select 3 credits of Social Work (SW-600+) Graduate electives	3	Select 3 credits of Social Work (SW-600+) Graduate Electives	3
SW-605 Clinical Practice with Families and Children	3	SW-626 Evaluation of Practice Effectiveness	3

SW-627 Implications of Social Justice and Human Rights for Social Work	3	SW-640 Field Practicum IV FC	3
SW-630 Field Practicum III FC	3	SW-645 Clinical Social Work Assessment Diagnosis and Intervention Planning	3
SW-665 Advanced Clinical Practice with Children	3	SW-669 Applications of Social Justice and Human Rights in Social Work	3
Semester Credits	15	Semester Credits	15

Total Credits 54

Admission Requirements

1. Possession of a baccalaureate degree with a 2.75 overall GPA and a 3.0 GPA in the undergraduate major. Social Work is grounded in the liberal arts and contains a coherent, integrated, professional foundation in social work (CSWE Accreditation Standards). MSW applicants with a baccalaureate degree are required to have a strong liberal arts background in English, Math and Psychology (none of these courses can be a College Level Examination Program; they must be taken as college-level, credit-bearing classes). The program also prefers courses in History, Sociology, Political Science, Anthropology, and Economics.

2. Three completed Monmouth University School of Social Work recommendation forms. Recommendations must be from an academic or professional source; it cannot be from friends and/or relatives.

3. Narrative (four to five pages, double spaced) in response to the questions outlined on the Autobiographical Statement form (https://www.monmouth.edu/uploadedFiles/Content/University/admission/graduate/MSWAutobioStatement.pdf).

4. Candidates for Advanced Standing must have a BSW from an accredited program within six years of the date of application, fulfill GPA requirements, and submit the Monmouth University Advanced Standing Field Evaluation form.

5. Candidates for Advanced Standing must have completed a course in statistics within the last six years.

6. In instances where the admissions committee has questions about an applicant's references, personal statement, or academic record, the applicant may be required to attend an interview as part of the admissions process.

MSW Global and Community Practice Concentration

Code	Title	Credits
Foundation Courses (24 credits)		
SW-503	Social Work Practice with Individuals and Families [1]	3
SW-507	Social Work Research	3
SW-505	Social Welfare Policy and Services I	3
SW-509	Human Behavior in the Social Environment I	3
SW-510	Field Practicum I [1]	3
SW-513	Social Work Practice in Groups [1]	3
SW-518	Global Community Practice [1]	3
SW-520	Field Practicum II [1]	3
Advanced Core Courses (6 credits)		

SW-627	Implications of Social Justice and Human Rights for Social Work	3
SW-669	Applications of Social Justice and Human Rights in Social Work	3
Global and Community Practice Concentration (21 credits)		
SW-613	Social Work Leadership and Management	3
SW-615	Advanced Global and Community Practice [1]	3
SW-623	Social Innovations	3
SW-617	Environmental Justice and Sustainable Development in Social Work [1]	3
SW-625	Program Planning and Evaluation	3
SW-631	Field Practicum III CI [1]	3
SW-641	Field Practicum IV CI [1]	3
Electives (3 credits)		
Select 1 course from approved departmental selections at the 600+ level.		3
Total Credits		54

[1] *Must be passed with a grade of B or better.*

Sequence Chart

(Full time, 60 credits. If your circumstances are different, please consult with your advisor)

First Year

Fall	Credits	Spring	Credits
SW-503 Social Work Practice with Individuals and Families	3	SW-507 Social Work Research	3
SW-509 Human Behavior in the Social Environment I	3	SW-513 Social Work Practice in Groups	3
SW-510 Field Practicum I	3	SW-520 Field Practicum II	3
SW-518 Global Community Practice	3	SW-505 Social Welfare Policy and Services I	3
Semester Credits	12	Semester Credits	12

Second Year

Fall	Credits	Spring	Credits
SW-613 Social Work Leadership and Management	3	Select 3 credits of Social Work (600+) graduate electives	3
SW-615 Advanced Global and Community Practice	3	SW-617 Environmental Justice and Sustainable Development in Social Work	3
SW-623 Social Innovations	3	SW-625 Program Planning and Evaluation	3
SW-627 Implications of Social Justice and Human Rights for Social Work	3	SW-641 Field Practicum IV CI	3
SW-631 Field Practicum III CI	3	SW-669 Applications of Social Justice and Human Rights in Social Work	3
Semester Credits	15	Semester Credits	15

Total Credits 54

Admission Requirements

1. Possession of a baccalaureate degree with a 2.75 overall GPA and a 3.0 GPA in the undergraduate major. Social Work is grounded in the liberal arts and contains a coherent, integrated, professional foundation in social work (CSWE Accreditation Standards). MSW applicants with a baccalaureate degree are required to have a strong liberal arts background in English, Math and Psychology (none of these courses can be a College Level Examination Program; they must be taken as college-level, credit-bearing classes). The program also prefers courses in History, Sociology, Political Science, Anthropology, and Economics.

2. Three completed Monmouth University School of Social Work recommendation forms. Recommendations must be from an academic or professional source; it cannot be from friends and/or relatives.

3. Narrative (four to five pages, double spaced) in response to the questions outlined on the Autobiographical Statement form (https://www.monmouth.edu/uploadedFiles/Content/University/admission/graduate/MSWAutobioStatement.pdf).

4. Candidates for Advanced Standing must have a BSW from an accredited program within six years of the date of application, fulfill GPA requirements, and submit the Monmouth University Advanced Standing Field Evaluation form.

5. Candidates for Advanced Standing must have completed a course in statistics within the last six years.

6. In instances where the admissions committee has questions about an applicant's references, personal statement, or academic record, the applicant may be required to attend an interview as part of the admissions process.

Graduate Certificate Play and Expressive Therapies

Code	Title	Credits
SW-672	Advanced Theory in Play Therapy	3
SW-673	Advanced Techniques in Play Therapy	3
SW-674	Play Therapy for Children at Risk	3
Select 6 credits from the following courses:		6
SW-602	Domestic Violence	
SW-628	School Social Work	
SW-675	Play Therapy Practicum Seminar I	
SW-676	Play Therapy Practicum Seminar II	
Social Work 600-level Special Topics Course [1]		
Total Credits		15

[1] With permission of the certificate/program coordinator

Admission Requirements

A master's degree in a medical or mental health discipline (for example, MSN, MSW, MA) and eligibility for licensure in that discipline.

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.

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 given to the graduating senior who, through 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 award. The announcement of the winner takes place at the May Commencement.

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 Activities

The Office of Student Activities and Student Center Operations provides a variety of programs and opportunities that are intended to assist in the social, cultural, and intellectual development of our students. The office advises the Student Activities Board in providing a variety of entertainment and educational activities for the campus community. It encourages student participation in clubs and organizations, is involved in the coordination of campus and multicultural activities, provides leadership training for student organizations, oversees Fraternity and Sorority Life and the operation of the Student Center, and supports and provides weekend programming. The office also sponsors an Involvement Fair and provides student group and leader recognition opportunities.

Housing Options
Residents

The University offers a variety of housing options in sixteen 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 first-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 and 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. Graduate students are typically assigned to double occupancy assignments at the University's owned or sponsored off-campus apartments 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, all of whom are intensively trained in providing assistance, information, activities, and programs for resident students. The Associate Vice President for Student Life, two Associate Directors of Residential Life, and one Assistant 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 a University-owned or -sponsored apartment 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.

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.

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 take part in a comprehensive two-day, one-night New Student Orientation Program during the months of June and July. 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. Prior to the program, students must complete an online Math Placement Assessment and may need to complete a Language Assessment. During orientation, students will attend an advising/registration program during which they will work with a First-Year Advisor to develop a schedule for the fall semester. They will

also 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. The SHADOW Program, First-Year Service Project, leadership development opportunities, and social programming are led by the Coordinator of Transition and Leadership Programs.

Families of first-year students have opportunities to come to campus to learn about life at Monmouth University during their student's first year on campus. The first is a Parent Orientation, offered in June, before New Student Orientation. Families will receive important information about their student's upcoming transition into life as a university student and meet representatives from across the campus. All are invited back to campus again for Family Weekend, which usually 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.

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:

- 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 Omnicron Pi,
- Alpha Sigma Tau,
- Alpha Xi Delta,
- Chi Upsilon Sigma National Latin Sorority, Inc.
- Delta Phi Epsilon,
- Lamda 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, recognizes fraternity and sorority members who have achieved high levels of academic success.

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.

Student Organizations

There are more than 125 different clubs and organizations on campus. Active involvement in a club or organization helps a student develop new leadership skills, career skills, 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. Each year the Office of Student Activities and Student Center Operations hosts an Involvement Fair to assist students in getting connected to a club or organization. Students should check the Monmouth Calendar 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. It is an area where students meet informally and formally to share common interests and develop friendships. The Student Center includes dining facilities, lounges, the Santander Bank office and ATM, computer labs, and meeting rooms, and 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 the Division of Student Life, the Center for Student Success, the Office of Career Services, Student Activities/Operations, Judicial Affairs, Central Scheduling, the Office of Off-

Campus and Commuter Services, Conference Services and Special Events, Academic Foundations - General Education Office, Office for Disability Services, Office of Veteran Services, Office of Counseling and Psychological Services, Global Education, Office of Fraternity and Sorority Life, and the Intercultural Center.

Student Activities Board

The Student Activities Board (SAB) is a student organization advised by the Office of Student Activities and Student Center Operations. Concerts, speakers, comedians, bus trips, novelty programs and festivals are among the many events sponsored. The SAB presents numerous opportunities for students to get involved both as spectators and as active board members. Students can join 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. 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 events each semester; all other events are free or $5. 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: tennis courts, 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 ice hockey, 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, boxing, softball, baseball, and men's basketball.

Student Services
Commuters

There are traditional, non-traditional, full-time, part-time, graduate, and undergraduate students who commute to campus every year. Monmouth University recognizes commuter students are unique and have needs that the University supports each semester. The Office of Off-Campus and Commuter Services (OCCS) is available to provide resources, advocacy, and guidance to all commuter students who attend Monmouth University. Incoming first-year commuter students are offered guidance and support as part of the Commuter Student Mentor program, in which they have the opportunity to request a mentor during new student orientation. Commuter students who are interested in getting involved are encouraged to contact the Office of Student Activities by calling 732-571-3586 or any of over one hundred recognized clubs that are listed in the Monmouth University Student Handbook.

There are a wide range of extra-curricular events and leadership opportunities that take place every semester, and programs are planned so commuters can participate during the day. Commuters can choose from a number of meal plans operated by Gourmet Dining. Commuter students can access breakfast, lunch, dinner, and late-night dining options at a number of locations on campus. The locations include the Rebecca Stafford Food Court, a Dunkin' Donuts, Magill Commons Dining Hall, Shadows (Elmwood Hall), Plangere Center, Bey Hall Express, a Convenience Store in Hesse Hall, and the Café at the Library. Declining balance, cash, Visa, and MasterCard are available for use at all dining locations on campus; however, we recommend students consider purchasing a meal plan through the University. The Office of Residential Life administers both resident and commuter student meal-plans and can be reached by phone at 732-571-3465. Commuter students will find parking at any time of the day or night. For more information, contact OCCS at 732-263-5651 or refer to the Office's Web site (http://www.monmouth.edu/commuter/).

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 commuter students ages 18 years and younger must show proof of vaccination with the quadrivalent (covering four strains) meningitis vaccine on or after the 16th birthday. All resident students, regardless of age, are required show proof of vaccination with the quadrivalent meningitis vaccine on or after the 16th birthday.. There is no fee to be medically evaluated. Students are responsible for any costs that may be incurred for outside referrals, prescriptions, special services, laboratory, and diagnostic procedures. For the 2020-2021 academic year, students will be seen on an appointment only basis. Same day appointments will be available. To schedule an appointment, students need to call Health Services at 732-571-3464. Requests for an appointment can also be made through the private and secure Student Health Portal. Students will be triaged via telephone to determine need for COVID-19 testing, telehealth services and in-person services. Students will need to complete the COVID-19 Symptoms Tracker found in the Student Health Portal prior to an appointment with Health Services. Services include: COVID-19 testing, diagnosis and treatment of common ambulatory illnesses and injuries, immunizations, allergy injections, physicals, GYN services, psychiatric evaluation, and medication titration.

Psychiatric services will be delivered on a HIPAA secured telepsychiatry platform.

The Health Center hours during the academic semester are: Monday through Thursday, 8:00 a.m. to 6:00 p.m., and Friday, 8:00 a.m. to 5:00 p.m. Hours may be subject to change.

Health Services is staffed with four nurse practitioners, a nurse practitioner/director, a part-time general practitioner physician, and a part-time psychiatrist. Monmouth Medical Center, a community teaching hospital, offers complete medical and psychiatric services and is within a mile and a half of the University.

Counseling and Psychological Services (CPS) assists students in their personal growth and development through psychological counseling and psycho-educational programming. Free, confidential psychological counseling is available to all Monmouth University students. Psychological services are provided by licensed counseling professionals or graduate-level trainees, supervised by licensed professionals. Through collaborations with Monmouth Medical Center and other local agencies, 24-hour services are available for mental health crises. The office also collaborates closely with various departments on campus.

Students may call **732-571-7517** to schedule an appointment for personal counseling or to request additional information. CPS is open Monday through Friday from 8:45 am to 5:00 pm. For additional information, students may also e-mail CPS (mucounseling@monmouth.edu) directly. Additional 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 Veteran Services supports all military-affiliated students through comprehensive programs, mentoring, and benefit services. Additionally, the Coordinator of Veteran Services advises the Monmouth University Veterans' Association. The Office of Veteran Services is located on the second floor of the Rebecca Stafford Student Center, room 202D. Office hours are Monday through Friday 8:45 a.m. to 5:00 p.m. Michael Callahan, Coordinator of Veteran Services, can be reached at 732-263-5258.

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Center for Student Success

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Office of Grants and Contracts

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Director of Infrastructure Operations
Brick Computer Institute; B.A., Monmouth University

Monti Karlo (TJ) Lameg (2019)
B.S., Montclair State University;
M.S., Monmouth University

Mary Latteri (2002)
Senior Programmer/Analyst
B.S., Monmouth University

Michael McGuire (2007)
Network Systems Administrator
B.A., Moravian College

Caitlin Morris (2017)
Programmer/Analyst
B.A., McDaniel College

Gary Rosenberg (2000)
Manager, Telecommunications

Thomas Shenko (1999)
Senior Systems Programmer/Analyst
A.A., DeVry Technical Institute

Bonnie Ullmeyer (1997)
Director of Enterprise Programming and Integration
B.S., M.B.A., Monmouth University

Student Life

Mary Anne Nagy (1986)
Vice President for Student Life
B.S., Springfield College; M.S.Ed., Monmouth College;
M.B.A., Monmouth University

James Pillar (1995)
Associate Vice President for Student Life
B.S., Millersville University; M.B.A., West Chester University;
Ed.D., Edgewood College

Shannon Killeen (2002)
Assistant Vice President for Student Life
B.A., Glassboro State College; M.A., Rowan College

Residential Life

Mark Holfelder (2000)
Associate Director of Residential Life
B.A., Widener University; M.S., West Chester University

Megan Jones (2000)
Associate Director of Residential Life and Housing Operations
B.S., Rutgers University; M.S., Monmouth University

Tony Conard (2011)
Area Coordinator
B.S., Loyola University;
M.S., Florida State University

Nina Dacy (2016)
Area Coordinator
B.A., M.Ed., Bloomsburg University

Harold Hillyard (2015)
Assistant Director for Residential Life and Judicial Affairs

B.S., S.U.N.Y. Maritime College

Nicholas Manento (2016)
Area Coordinator
B.A., ME.d., Kutztown University

David Schenck, Jr. (2019)
Area Coordinator
B.A., Georgian Court University

Student Activities

Amy Bellina (1994)
Director of Student Activities and Student Center Operations
B.A., University of Pittsburgh;
M.A., Indiana University of Pennsylvania

Tara M. Fuller (2019)
Director of Fraternity and Sorority Life
B.A., University of Maryland, College Park;
M.A., Rider University

Tashir Hampton (2018)
Assistant Director of Student Activities
B.A. Rutgers University; Ed.M., Rutgers University

Lindsay Smith (2016)
Assistant Director of Student Activities
B.A., Delaware Valley University; M.B.A., Centenary University

Health Services

Kathy Maloney (2001)
Director of Health Services
B.S.N., Georgetown University; M.B.A., The George Washington University;
M.S.N., Monmouth University; D.N.P., Tulane University

Lita Abrazaldo-Richards (2012)
University Health Clinician
B.S.N., St. Louis University;
M.S.N., Monmouth University

Louise Bosmans (1997)
University Nurse Practitioner
B.S.N., M.S.N., D.N.P., Monmouth University

Mary Lou Dalessandro (2000)
University Nurse Practitioner
B.A., Rutgers University;
B.S.N., M.S.N., D.N.P., Monmouth University

Carol Huggler (2012)
University Health Clinician
B.S.N., Wilkes College; M.S.N., Monmouth University

Suanne Schaad (2005)
Substance Awareness Coordinator
B.A., Loyola College, (MD);
M.A., Monmouth University

Conference Services and Special Events

Luann 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

Veteran Services

Michael Callahan (2016)
Coordinator of Veteran Services
B.A., Kean University; M.S.W., Monmouth University

Off Campus and Commuter Services

Vaughn Clay (1994)
Director of Off Campus and Commuter Services
B.S., M.A., Indiana University of Pennsylvania;
Ed.D., Northeastern University

Psychological Services

Andrew Lee (2015)
Director of Counseling and Psychological Services
B.A., University of Pennsylvania; M.A., Fairleigh Dickinson University;
Psy.M., Psy.D., Rutgers University

Judith J. Alfano, L.S.W. (2018)
Psychological Counselor
B.A., Rutgers University; M.S.W., Monmouth University

Tom McCarthy (2007)
Assistant Director of Counseling and Psychological Services
B.A., M.A., Monmouth University

Christopher McKittrick (2006)
Psychological Counselor
B.S., M.A., The College of New Jersey

Katherine Rizman (2016)
Psychological Counselor
B.A., Moravian College;
M.S.W., Salisbury University

University Advancement

Amanda Klaus '09 (2014)
Interim 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)
Director of Government and Community Relations
B.A., Penn State University;
M.A., Monmouth University

Lucille Flynn (2002)
Associate Vice President for University Advancement
B.S., Seton Hall 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

Karen Keene (2017)
Director of Development
B.A., College of St. Rose
M.A., University of Miami Rosenstiel School of Marine and Atmospheric Science

Thomas E. Klimchak (2002)
Senior Director of Advancement Services
B.A., Millersville University

Jessica Lewis (2011)
Director of Prospect Research
B.A., Goucher College (Baltimore)

Laura MacDonald '10 (2019)
Director of Alumni Engagement
B.A., Monmouth University

Emily Miller-Gonzalez (2016)
Director of Planned Giving
B.A., Georgetown University;
M.S.W.; J.D., Rutgers University

Stephanie Tolas '03, '05 (2014)
Director of Stewardship and Donor Relations
B.A., M.B.A., Monmouth University

Kristen Waring (2015)
Assistant Director of Student and Recent Alumni Engagement
B.A., Monmouth University

Lindsay Wood (2019)
Director of Annual Giving
B.S., New York University

Enrollment Management

Robert D. Mc Caig, Ed.D. (2005)
Vice President for Enrollment Management
B.A., Penn State University; M.A., Arcadia University;
Ed.D., Temple University

Graduate Admission

Lauren Vento Cifelli (2000)
Associate Vice President for Undergraduate and Graduate Admission
B.A., B.S., M.A., Monmouth University

Lucia Fedele (2012)
Graduate Admission Counselor
B.A., M.B.A., Monmouth Universi*t*y

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)
Graduate Admission Counselor
B.A., University of New Hampshire
M.A., Monmouth University

Kirsten Sneeringer (2018)
Graduate Admission Counselor
B.A., Mt. Saint Mary's College
M.A., Mercy College

Undergraduate Admission

Victoria Bobik (2005)
Director of Undergraduate Admission
B.A., Colgate University; M.A., University of South Carolina

Emily Blaser (2019)
Admission Counselor
B.A., Monmouth University

Emma Caban (2012)
Assistant Director of Undergraduate Admission
B.A., Monmouth University

Danielle Colbert (2007)
Associate Director of Undergraduate Admission
B.A., Lafayette College;
M.B.A., Monmouth University

Patrick Dorsey (2005)
Associate Director of Undergraduate 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

Rebekka Herbson (2018)
Admission Communication Specialist

Michael Qualiano (2017)
Admission Counselor
B.A., Monmouth University

Laura Yankowski (2016)
Admission Counselor
B.A., Gettysburg College
Ed.M., Rutgers University

Kelly Anne Young (2019)
Admission Counselor
B.S., Temple University

Kathleen Dennis (1993)
Transfer Credit Evaluator
B.A., College of Saint Elizabeth

Admission Processing

Barbara Growney (1994)
Director of Admission Processing
B.S., Monmouth University; M.S.Ed., Monmouth University

Jessica Kimball (2014)
Admission Processing Data Systems Specialist
B.S., Monmouth University

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

Monica Mikolajezyk (2016)
Financial Aid Counselor
B.S., M.B.A., Wagner College

University Marketing and Communications

Tara Peters (2015)
Associate Vice President for Marketing and Communications
B.A., M.A., Monmouth University

James Albers (2020)
Creative Director
B.A., University of Delaware
M.A., Rutgers University

Jonathan Conner (2013)
Graphic Designer
B.F.A., Pacific Northwest College of Art

Michael Corsey (2018)
Social Media Coordinator
B.A., M.A., Monmouth University

Anthony DePrimo (2017)
University Photographer
B.S., C.U.N.Y. College of Staten Island

Morganne Dudzinski (2018)
Director, News and Public Affairs
B.A., M.A., Monmouth University

Tryon Eggleston (2015)
Director of Digital Communication
B.A., Ramapo College

Amanda Glatz (2017)

Digital Content Editor
B.A., Monmouth University

Steven Graboski (2016)
Web Developer
B.A., Drew University; M.S., Columbia University

Michael S. Maiden, Jr. '07, '14 (2005)
Chief University Editor/Director of Executive 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

Robert E. Smith (2004)
Web Developer
B.S., Boston University

Vera Towle (2008)
Creative Project Manager
B.A., Georgian Court University;
M.A., Monmouth University

Administrative Services

Patricia Swannack (1975)
Vice President for Administrative Services
B.S., Monmouth University

Kara Sullivan (1998)
Assistant to the Vice President for Administrative Services
A.A.S., Brookdale Community College;
B.S., Monmouth University

Maureen Coffey (1999)
Director of HRIS, Employment and Communications
B.S., M.B.A., Monmouth University

Robert Cornero (1996)
Associate Vice President for Campus Planning and Construction
B.E., Stevens Institute of Technology

Theresa Fontana (2013)
Accountant
B.S., Monmouth University

William McElrath (2003)
Chief, Monmouth University Police Department
B.A., Kings College; M.A., Seton Hall University

Timothy Orr (1996)
Construction Manager
B.S., Geneva College

Aimee M. Parks (2000)
Assistant Director of Human Resources for Student Employment
B.A., M.A., Monmouth University

Robyn Salvo (2006)
Director of Human Resources
B.A., College of New Jersey;

M.B.A., Monmouth University

Maureen Slendorn (2007)
Manager of Recruiting and Staffing
B.S., Georgian Court University

Kathleen Stein (2003)
Director of Employee Benefits
B.A., Monmouth University

Dean Volpe (1988)
Captain, Monmouth University Police

Michael Wunsch (2015)
Director of Compliance/Risk Management
B.A., B.S., Rutgers University;
M.S., New Jersey Institute of Technology

Athletics

Marilyn McNeil (1994)
Vice President and Director of Athletics
B.P.E., The University of Calgary;
M.A., McGill University, Ed.D., Washington State University

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 Doctor
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

Andrew Bobik (1996)
Associate Head Football Coach
B.A., Colgate

Aaron Bottinick (2015)
Assistant Athletic Trainer for Men's Soccer and Baseball
B.S., Springfield College; M.S., University of Virginia

Bill Britton (2019)
Head Men's Golf Coach
B.S., University of Florida

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

Meghan Casey (2016)
Athletics Academic Coordinator
B.S., University of Dayton

Chris Collazo (2015)
Assistant Baseball Coach
B.A., Monmouth University

Jody Craig (2017)
Head Women's Basketball Coach
B.S., California Polytechnic State University;
M.S., Saint Mary's College

Gregory Decos (1999)
Assistant Athletics Director Equipment, Laundry Services

Elaine Derricott (2019)
Assistant Track and Field Coach
B.A., M.S., Eastern Kentucky University

Marisa Destasio (2016)
Assistant Softball Coach
B.S., M.S., Bingham University

Thomas DiMuzio (2014)
Assistant Football Coach/Offensive Pass Game Coordinator
B.S., Delaware University; M.Ed., Bowling Green State University

Samuel Dorsett (2013)
Assistant Football Coach
B.A., M.S., Robert Morris University

Karen Edson (1969)
Associate Athletics Director for Business

Dean Ehehalt (1994)
Head Baseball Coach
B.S.Ed., M.S.Ed., East Carolina University

Kelsey Ellis (2017)
Compliance Assistant
B.S., M.A., Delaware State University

Joshua Epstein (2018)
Assistant Baseball Coach
B.S., Assistant Baseball Coach
B.S. Ramapo College
M.A., Bloomsburg University

Alyssa Ercolino (2018)
Assistant Field Hockey Coach

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)
Associate Head Coach, Women's Soccer
B.A., University of Tennessee

Brian Gabriel (2004)
Assistant Football Coach/Offensive Run Games
B.A., Siena College

Jeff Gallo (2005)
Assistant Football Coach/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

Jamie Hand (2018)
Athletics Trainer Assistant
B.S., Georgian College
M.S., Seton Hall University

Dane Hodge (2014)
Head Club Women's Soccer Coach
B.A., Carson-Newman University

Kylie Hubeny (2016)
Athletics Trainer Assistant
B.A., Boston University

Siobhan Huggins-Sullivan (2013)
Associate Athletics Trainer
B.S., University of Pittsburgh
M.S., University of North Carolina at Greensboro

Elissa Ingram (2019)
Track and Field Operations Coordinator
B.S., Mt. St. Mary's University
M.S.C., University of East London

Mike Iuliucci (2009)
Associate Athletics Director Equipment Manager & Recreation
B.A., Robert Morris University

John Jackman (1993)
Assistant Athletics Director of the Fitness Center

Josh James (2018)

Director of Men's Basketball Operations
B.A., Monmouth University

Michael Jennings (2019)
Assistant Athletic Director for Ticketing and Development
B.A., M.S., The University of Tennessee

Christie Kaestner (2017)
Assistant Women's Lacrosse Coach
B.S., Duke University

Bennie Kanzler (2019)
Development Assistant
B.S., M.S., Monmouth University

Jessica Kavanagh (2016)
Assistant Athletics Director for Development and Ticketing
B.A., Monmouth University

Andrew Kirkland (2015)
Assistant Football Coach
B.A., Colgate University; M.S., Wesleyan University

Gary Kowal (2013)
Assistant Athletics Director for New Media and Communications
B.A., Monmouth University

Andrew Kurtz (2015)
Athletics Multimedia Coordinator
B.S., York College of Pennsylvania

David Kunyz (2019)
Assistant Football Coach/Technology and Video
B.S., Plymouth State University
M.S., Devry University

Jennifer Lawlor (2015)
Senior Associate Athletic Director for Student Development/SWA
B.A., Lafayette College; M.S., Neumann University

Daniel Lawrence (2018)
Assistant Men's Lacrosse Coach
B.S., M.S., Springfield College

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

Ken Marsaglia (2019)
Associate Athletics Trainer/Head Football
B.S., Temple University
M.Ed., University of Richmond

Chuck Marvel (2015)
Assistant Athletic Director for Communications
B.A., University of Delaware

Robert McCourt (2004)
Head Men's Soccer Coach
B.A., Adelphi University;

M.S., Virginia Commonwealth University

Jamal Meeks (2015)
Assistant Men's Basketball Coach
B.S., Indiana University

Michelle Melia (2018)
Head Women's Golf Coach
B.A., Rutgers University

Mark Mohrman (2016)
Assistant Athletics Director of Communications
B.A., Monmouth University

Jennifer Mulrooney (2019)
Athletics Trainer Intern
B.S., Quinnipiac University
Daniel Murphy (2018)
B.A., University of Connecticut
M.A., University of New Haven

Patrice Murray (1988)
Head Coach, Women's Tennis
B.A., M.A., Monmouth University

Evan Najimian (2017)
Intramural Sports Coordinator
B.S., Seton Hall 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
Joanne Nizolek (2015)
Dance Team Choreographer/Instructor/Coach
B.F.A., Montclair State University

Matthew Nunnaly (2015)
Head Men's and Women's Swimming Coach
B.S., LaSalle; M.B.A., Ole Miss

Eddy Occhipinti (2006)
Associate Athletics Director for Marketing and Sponsorships
B.A., M.A., Monmouth University

Rob Panasuk (2018)
Sport Club Coordinator
B.A., Monmouth University

Nicholas Panozzo (2019)
Digital Content Producer
B.A., Ball State University

James Pasquin (2019)
Strength and Conditioning Coach
B.S., Spring Field College
M.S., Sacred Heart University
Tim Rehm (2019)
Director of Strength and Conditioning
B.S., Springfield College

Jr Reid (2018)
Assistant Men's Basketball Coach
B.S., University of North Carolina

Stephen Reithinger (2011)

Assistant Ice Hockey Coach
B.A., Seton Hall University

King Rice (2011)
Head Men's Basketball Coach
B.A., University of North Carolina

Richard Robinson (2019)
Club Baseball Coach
B.S., Kean College

Jon Roos (2011)
Senior Associate Athletic Director for External Affairs
B.A., University of Tennessee;
M.B.A., Lynn University

Simon Rosenblum (2002)
Associate Athletics Director for Sports Medicine
B.S., Waynesburg College;
M.S.Ed., Old Dominion

Bri Rubino (2015)
Strength and Conditioning Coach
B.S., Drexel University

Shannon Salsburg (2015)
Head Softball Coach
B.S., Penn State University;
M.A., University of Akron

Kailey Savacool (2017)
Head Sailing Coach
B.A., University of North Carolina, Wilmington

Alyssa Scardelli (2018)
Cheerleading Coach
B.A., Monmouth University

Albert Schaufler (AJ) (2017)
Assistant Athletic Director for Compliance
B.A., Mount St. Mary's University;
J.D., University of Baltimore

Meghan Schneck (2018)
Director of Women's Lacrosse Operations
B.A., M.A., Kean University

Christian Spaulding (2018)
Assistant Men's and Women's Indoor Track
B.S., High Point University

Jeff Stapleton (1990)
Deputy Director of Athletics
B.A., Hobart College

Vanessa Sweeney (2006)
Associate Director of Sports Medicine
B.S., West Chester University;
M.S.Ed., Monmouth University

Ken Taylor (2015)
Associate Athletics Director for Development and Marketing
B.A,. University of Michigan; M.S., Wayne State University

Michael Thiers (2019)
Strength and Conditioning Intern

B.S., Lynchburg College

Matthew Tilton (2019)
Athletic Trainer Intern
B.S., M.S., Shenandoah University

Jordan Trautman (2017)
Head Women's Lacrosse Coach
B.A., Georgetown University

Kristine Turner (1998)
Head Women's Soccer Coach
B.S., College of New Jersey; M.Ed., College of New Jersey

Kelly Valentine (2015)
Assistant Athletic Director for Marketing and Promotions
B.S., Rutgers University

Chris Van Leeuwen (2019)
Assistant Pole Vault Coach
B.A., Ramapo College of NJ

Hardu Virks-Lee (2016)
Strength and Conditioning Coach
B.S., University of Colorado-Boulder

Greg Viscomi (2006)
Associate Athletics Director for New Media and Communications
B.A., Towson University;
M.S., Canisius College

Lewis Walker (2017)
Director of Field Operations and Practice Management
Assistant Football Defense Coach
B.A., University of Utah

Jarred Weiss (2009)
Assistant Athletics Director for Business & Communications
B.A., M.A., Monmouth University

Kamiko Williams (2018)
Assistant Women's Basketball Coach
B.A., University of Tennessee

David Williamson (2018)
Assistant Field Hockey Coach
B.A., Princeton University;
M.A., University of Ulster

Dan Wojtaszek (2011)
Assistant Athletics Director of Event Management
B.S., Rutgers University

James Young (2017)
Third Assistant Women's Basketball Coach
B.A., Green Mountain College;
M.S., University of Phoenix

Emeritus Faculty

Derek A. Barnes
Professor Emeritus of Physics
B.A., M.A., Ph.D., Christ Church
Oxford University, England

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

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

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

Floyd R. Deardorff
Assistant Professor Emeritus of Mathematics
B.A., Temple University; M.A., Catholic University

Jack W. Demarest
Professor Emeritus of Psychology
B.A., State University of New York (Brockport); M.A., Connecticut;
Ph.D., State University of New York at Stony Brook

Francis Patrick Dooley
Professor Emeritus of History
A.B., Villanova University;
M.A., Ph.D., University of Maryland

Donald Dorfman
Professor Emeritus of Biology
B.S., Monmouth University (Monmouth College);
M.S., University of Connecticut;
Ph.D., Rutgers University

Harris Drucker
Professor Emeritus of Software Engineering
B.S.E.E., Pennsylvania State University;
M.S.E., Ph.D., University of Pennsylvania

Stanley Dubroff
Associate Professor Emeritus of Business Law
B.S,. Drexel University;
J.D., Temple University

Rachel Gardner
Associate Librarian Emerita
B.S., Vassar College; M.A., Middlebury College;
M.L.S., Rutgers University

Carol A. Giroud

Professor Emerita of Physical Education
B.S., University of North Carolina at Greensboro; M.Ed., University of North Carolina;
Ph.D., Union Graduate School

Bonnie Gold
Professor Emerita of Mathematics
A.B., University of Rochester; M.A., Princeton University
Ph.D., Cornell University

Stanton Green
Professor Emeritus of Anthropology
B.A., New York University, M.A., Ph.D., University of Massachusetts, Amherst

Brian Greenberg
Professor Emeritus of History
B.A., New York University;
M.A., Ph.D., Princeton University

Richard Guilfoyle
Professor Emeritus of Mathematics
B.S., C.W. Post College;
M.S., Ph.D., Stevens Institute of Technology

Amy Handlin
Associate Professor Emerita of
Marketing and International Business
B.A., Harvard University, Radcliffe College;
M.B.A., Columbia University

Doris K. Hiatt
Associate Professor Emerita of Psychology
A.B., Cornell University; Ph.D., City University of New York

Waltraud Hieslmair
Associate Professor Emerita of Physics
B.S., M.S., University of Vienna, Austria

Barbara Harris Jaye
Professor Emerita of English
B.A., City College of New York; M.A., Ph.D., Rutgers University

Margaret G. Juckett
Associate Professor Emerita of Management
B.S., West Virginia Wesleyan College;
M.A., University of Kentucky; M.B.A., Monmouth University (Monmouth College)

Quentin Keith
Associate Professor Emeritus of English
B.A., Lehigh University; B.A., (Hons.);
M.A., Kings College, Cambridge University, England

Glenn King
Professor Emeritus of History and Anthropology
B.A., Cornell University; M.A., University of California at Los Angeles;
Ph.D., University of California at Berkeley

Carl M. Koreen
Associate Professor Emeritus of Mathematics
B.S., M.S., Louisiana State University

Michiko Kosaka
Associate Professor Emerita of Computer Science

B.A., Manhattanville College;
M.A., Ph.D., New York University

Richard A. Kuntz
Professor Emeritus of Mathematics
B.S., Monmouth University (Monmouth College);
M.A., Ph.D., University of Maryland

Susan Kuykendall
Associate Librarian Emerita
B.S., Trinity University; M.L.S., Rutgers University

Marilyn M. Lauria
Associate Professor Emerita of Nursing
B.S.N., Hunter College;
M.Ed., Ed.D., Teachers College, Columbia University

R. Kaiser-Lenoir
Professor Emeritus of Foreign Languages
Licence es Lettres, Sorbonne;
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GRADUATE COURSE DESCRIPTIONS

Anthropology (AN)

AN-CPE   Anthropology Comprehensive Exam   **Credits: None**
Prerequisite(s): 30 graduate credits in Anthropology
Term Offered: All Terms
Course Type(s): None
The Anthropology comprehensive exam is a zero- credit course for students, which will allow students who have completed thirty credits of graduate coursework in anthropology to take a comprehensive exam and complete their degree. This is a pass/fail course.

AN-THD   Thesis Defense   **Credits: None**
Prerequisite(s): AN-691 and AN-692
Term Offered: All Terms
Course Type(s): NOSRCH
A zero-credit course that is taken after completing AN-691 and AN-692. It consists of a public presentation of the student's completed thesis research. This is a pass/fail course.

AN-501   Anthropological Theory   **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
A seminar-style course that presents students with a survey of the theories that have shaped the thinking of anthropologists for over a century. We cover theories relevant to all four subfields of anthropology (cultural, archaeological, linguistic, and biological), and compare them through a very general set of questions. The five questions asked are 1) How does society hold itself together? (structure); 2)How does society change?(history); 3) How aware are people of their society and its changes?(subjectivity); 4) How are people able to change their society? (agency); and 5) How do people divide society into groups?(alterity).

AN-502   Seminar in Biological Anthropology   **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Designed to provide graduate students with a foundation in the core principles of biological anthropology. We will examine both theoretical issues and empirical evidence in order to better understand evolution of the human species. Topics that will be explored in this course include evolutionary theory, primatology, paleoanthropology and human variation. In addition, this course will examine contemporary issues in human bio-cultural evolution.

AN-503   Archaeological Theory   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Focuses on theoretical issues, past and present, concerning the nature and explanation of culture, cultural reproduction and transformation through time, and the central role of materiality in those processes. As anthropological archaeology, the course is premised on the relationship of archaeology to anthropology and other socio-historical sciences. We will examine the development of archaeology as an academic discipline, the role of theory in interpretation of archaeological materials, and the key concepts of culture and time. The course will examine specific theoretical approaches including culture history, neo-evolutionary-functionalist-ecological approaches, neo-Marxist and materialist perspectives, processualism and postprocessualism, interaction theories (e.g., world systems theory), and contemporary approaches. These include practice/agency, contextual approaches, and other multivocal, feminist, and postcolonial theories of identity-formation in the past. The course will appeal to a wide range of social scientists, and particularly archaeologists, sociocultural anthropologists, and other disciplines working on issues of representation(e.g., museum professionals).

AN-506   Historical Archaeology   **Credits: 3**
Term Offered: Fall Term
Course Type(s): HSUS
An intensive introduction to historical and industrial archaeology (c. 1492+). Topics covered include exploration, imperialism, colonization, industrialization, and urbanism. Archaeological field methods and the interpretation of material culture are also introduced. Also listed as HS-506.

AN-507   Historic Artifact Analysis   **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
A graduate-level seminar and lab on select material culture commonly recovered from historical archaeological sites. Artifact classes that are covered in the course include ceramics, glass, and a tobacco pipes. Students in the class will learn artifact identification, historical developments of artifact types, and archaeological methodology for dating and quantifying assemblages. The course also includes discussions on a various cultural aspects such as consumption, socio-economic status, gender, mercantilism, and other cultural behaviors in order to help put the artifacts into historical contexts and answer archaeological research questions.

AN-520   Field Methods in Archaeology   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
An introduction to archaeological field methods: survey and excavation. Students will also learn excavation procedures, descriptive note writing, and drawing, and be introduced to archaeological photography, mapping, reporting, conservation, and curation. Supervised fieldwork will be conducted on archaeological sites. Also listed as HS-520.

AN-522   Ethnographic Methods   **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
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-524   Introduction to Geographical Information Systems (GIS)

Credits: 3

Term Offered: All Terms
Course Type(s): None
Provides both the theoretical and methodological background for proficient use of Geographical 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. Also listed as GO-524.

AN-530   Zooarchaeology: The Archaeology of Animals   Credits: 3
Term Offered: Fall 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-532   Native American History and Prehistory   Credits: 3
Term Offered: Fall Term
Course Type(s): HSNW, HSWLD
Examines North America's native people in the area north of the Rio Grande. It combines North American prehistory with a historical overview of Native American experiences since contact. Evidence from archaeology, oral histories, and written sources are all presented. Challenges facing modern Native Americans are also examined. Also listed as HS-532.

AN-533   Cultural Resource Management Practicum   Credits: 3
Term Offered: All Terms
Course Type(s): None
Provides a hands-on introduction to and overview of cultural resource management archaeology (CRM), within the broader context of historic preservation. Students read about, discuss, and participate in actual historic preservation/cultural resource management projects in order to learn about current preservation practices.

AN-540   Psychological Anthropology   Credits: 3
Term Offered: All Terms
Course Type(s): None
An introduction to the subfield of psychological anthropology. Research and inquiry in psychological anthropology is rooted in two traditions. The first is culture and personality which is aligned with psychoanalytical thought; the second is cognitive anthropology which emphasizes cultural models of thought. A fundamental pursuit in psychological anthropology is the relationship between culture, behavior, and thought. Psychological anthropology seeks to understand the relationship between individual and sociocultural phenomena - between polar extremes such as personality and mind and society and culture. Explores how culture and psyche affect each other. Topics include: theoretical frameworks; culture and personality, human development, emotion, self, and mental illness.

AN-555   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-562   History of Maps and Mapping   Credits: 3
Term Offered: All Terms
Course Type(s): None
Students will study the historical developments in cartographic technique, the development of mapping in different parts of the world, and the future of mapping in the computer age. Students will focus on the ways the events and ideology of a time period influence maps and mapping, and how in turn mapping influences history and ideology. Also listed as HS-562.

AN-563   The Amazon   Credits: 3
Term Offered: Spring Term
Course Type(s): None
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-572   The History of Tourism   Credits: 3
Term Offered: Fall Term
Course Type(s): HSEU, HSWLD
Students will study the history of tourism in different parts of the world from political, social, cultural, geographic, and economic perspectives. This will include an examination of historical differences in tourist attractions, tourist behaviors, and impacts on tourist destinations and their people. Students will also study how historical memory and interpretation shapes the contemporary tourist experience, as well as questions concerning authenticity and tourism. Also listed as HS-572.

AN-573   Ecological Imperialism   Credits: 3
Term Offered: All Terms
Course Type(s): HSWLD
Ecological History will examine the relationship between human society(ies) and the natural world over recorded time. As an interdisciplinary exercise this class will draw on the natural sciences, anthropology, and history to better understand the biological, cultural, imperial, ethical, economic, religious, political, and global ramifications of the relationship between humanity and humanity's "natural" surroundings. Also listed as HS-573.

AN-575   Civilizations of the Andes   Credits: 3
Term Offered: All Terms
Course Type(s): HSNW, HSWLD
A survey of Andean history from the beginning of human settlement through the Inca Empire and the Spanish conquest to contemporary peasant society. The evolution and nature of pre-Columbian civilizations, focusing on Chavin, Paracas-Nazca, Huari-Tiahuanaco, Chimor, and the Inca; the social and political organization of the Inca empire; the Spanish conquest and its impact on native culture; contemporary social changes; and rural migration and the transformation of contemporary Andean society. Theoretical exploration of the developmental trajectory of Andean civilization. Also listed as HS-575.

AN-582   Applied Anthropology   Credits: 3
Term Offered: Fall Term
Course Type(s): None
Applied Anthropology is anthropology put to use - meaning using anthropological research and methods to solve practical problems. This is an advanced 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 resource 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-585   Colonialism in Africa   Credits: 3
Term Offered: All Terms
Course Type(s): HSNW
Analysis and appraisal of colonialism in Africa, reflecting on the political, economic, and sociocultural transformations, that occurred in Africa between 1880 and 1960. Also listed as HS-585.

AN-587   Visual Anthropology   Credits: 3
Term Offered: Spring Term
Course Type(s): None
Deals with the 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-591   Islam   Credits: 3
Term Offered: All Terms
Course Type(s): HSNW, HSWLD
This course examines Islamic history, culture, and art across the world, including but not limited to the Middle East, North Africa, the Balkans, and the Americas. Thematic coverage will include religious/spiritual/ritualistic, political, cultural, and intellectual changes, as well as, imperialism, the rise of nation-states, and cultural interaction with traditionally non-Islamic lands and peoples. Also listed as HS-591.

AN-595   Anthropology Internship/Practicum   Credits: 3
Term Offered: All Terms
Course Type(s): None
Provides graduate students with the opportunity to gain substantive career experience and build specific applied skills by working in outside programs, institutions, agencies, and firms engaged in the fields of anthropology, museum studies, public history, and geography.

AN-598   Special Topics in Anthropology   Credits: 3
Term Offered: All Terms
Course Type(s): None
Allows students to study a specific aspect of anthropology. 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.

AN-599   Independent Study in Anthropology   Credits: 1-3
Term Offered: All Terms
Course Type(s): None
Reading and research leading to significant written work under the direction of a member of the anthropology faculty. Prior permission of the directing professor and department chair is required to take this course.

AN-691   Anthropology Thesis (Research)   Credits: 3
Prerequisite(s): 15 credits in Anthropology
Term Offered: All Terms
Course Type(s): None
Reading and research leading to significant written work, under the direction of a member of the anthropology faculty. This is a pass/fail course.

AN-692   Anthropology Thesis (Writing)   Credits: 3
Prerequisite(s): 18 credits in Anthropology
Term Offered: All Terms
Course Type(s): None
Reading and research leading to significant written work, under the direction of a member of the anthropology faculty. This is a pass/fail course.

AN-693   Anthropology Library Thesis   Credits: 3
Prerequisite(s): 23 graduate credits in Anthropology
Term Offered: All Terms
Course Type(s): None
Reading and research leading to significant written work based on secondary sources, under the direction of Anthropology faculty members, for the completion of the Master's program in the History and Anthropology department. Each thesis will be supervised by a "first reader" and a "second reader." First readers must be full-time faculty with terminal degrees in the field. Registration for thesis credits is completed after a successful defense of a prospectus (thesis proposal). This is a pass/fail course.

Art (AR)

AR-597   Fine Art/Design Studio   Credits: 3
Term Offered: Spring Term
Course Type(s): None
Advanced study within a classroom setting in a number of creative disciplines. Emphasis to further the student's knowledge base; unique approach to artistic investigation through advanced theory, research, technical experience, and critical dialog. Students must meet individually with the instructor at the beginning of the semester to discuss and define their creative work plan as a point of departure for critical discourse and grading.

AR-598   Special Topics: Art and Design   Credits: 3
Term Offered: Spring Term
Course Type(s): None
The subject matter varies with the curricula needs of the student and the professor. The exact nature of the topic covered in any given semester is indicated in the student's transcript. Permission of the program director is required. If a prerequisite is required it will be announced in the course schedule.

AR-599   Independent Study in Art   Credits: 1-3
Term Offered: All Terms
Course Type(s): None
Independent study in a topic not substantially treated in a regular graduate course; weekly consultation. Prior permission of the directing professor and the chair of the department is required. For the course to count for credit toward a particular graduate program outside of the department of art and design, prior permission from the student's department chair must be obtained. The prerequisite varies with the topic.

Biology (BY)

BY-521   Pathophysiology and Histology   Credits: 3
Term Offered: Spring Term
Course Type(s): None
Focuses on pathogenesis of selected diseases leading to alterations of body structure and functions across the lifespan. Emphasizes the laboratory identification of vertebrate tissue. 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. Also listed as NU-521.

Business (BU)

BU-588   Business Practice and Experience   Credits: 1
Prerequisite(s): 9 credits of graduate level courses
Term Offered: All Terms
Course Type(s): None
Provides the opportunity for MBA graduate students to obtain related experience in employment at a local company or institution with Monmouth University sponsorship. Available to MBA students who have completed at least nine credit hours of graduate courses at the 500-level with a minimum GPA of 3.00. Does not satisfy elective requirements; students may take this course a maximum of two times. Departmental approval is required to take this course.

Business Accounting (BA)

BA-513   Financial Accounting   Credits: 1.5
Term Offered: All Terms
Course Type(s): None
This foundational course will address the basics of financial accounting, including the accounting cycle, from the analysis and recording of transactions to the compilation of the four basic financial statements, and introduce additional accounting procedures related to valuation of inventory and long term assets and other financial statement topics.

BA-514   Managerial Accounting   Credits: 1.5
Term Offered: All Terms
Course Type(s): None
This foundation course will equip students with a basic knowledge and understanding of managerial accounting theories and practices for management use. Topics covered include cost classification, the basics of product costing (job and activity-based), decisions based on cost-volume-profit (CVP) analysis, budgeting and performance evaluation.

BA-588   Internship in Accounting   Credits: 1-3
Term Offered: Fall Term
Course Type(s): None
Provides the opportunity for MBA accounting track (and/or accounting concentration) students to apply classroom theory in practice through actual work experience in the accounting field. The course cannot be counted toward the MBA track or concentration requirements, but is recommended for those who do not have experience in the accounting profession. Students may take this course a maximum of two times (or a maximum of 6 credits). A minimum G.P.A. of 3.00 is required to take this course.

BA-598   Special Topics in Accounting   Credits: 3
Term Offered: All Terms
Course Type(s): None
The subject matter of this course varies according to the interest of the students and the professor teaching the course. The exact nature of the topic covered is indicated in the student's permanent record. If a prerequisite is required it will be announced in the course schedule.

BA-599   Business Research   Credits: 3
Term Offered: All Terms
Course Type(s): None
Independent research in business administration in an area not substantially treated in a regular course offering, under the supervision of a Business Administration faculty member; written evaluation of the research required. Student must be within nine credits of graduation. Prior permission of the directing professor and department chair is required to take this course.

BA-610   Accounting for Managers   Credits: 3
Prerequisite(s): BA-513 and BA-514
Term Offered: All Terms
Course Type(s): None
Accounting is the language of business. Managers are expected to have a minimum level of accounting and financial management skills that transcends all business disciplines. This course provides a foundation in financial planning, performance, control and financial decision making. It aims to develop students' ability for comprehension, application, analysis, synthesis and evaluation of the concepts, terminology, measures, systems and techniques used in corporate management accounting, as well as professional ethics, which are of critical importance in today's highly competitive business environment.

BA-632   Business Income Tax   Credits: 3
Term Offered: Fall Term
Course Type(s): None
This is the only graduate level income tax course currently offered at Monmouth. Our undergraduate version of this course covers two semesters. This course will emphasize tax research and planning for individuals. The purpose is to introduce graduate accounting students to a broad range of income tax topics. Because of the complexity and breadth of coverage, many topics will not be covered in great depth.

BA-634   Selected Topics in Financial Accounting   Credits: 3
Prerequisite(s): BA-513
Term Offered: Fall Term
Course Type(s): None
This capstone course provides an intensive examination of accounting concepts and principles pertaining to the understanding of accounting cycle and preparation of major financial statements. It covers the accounting treatment of major classes of assets, liabilities and equities and related income accounts. This course is specifically structured to cover the fundamental issues traditionally taught in two intermediate accounting courses at the undergraduate level for graduate students without sufficient accounting background. It lays a sound foundation for students to pursue more advanced financial accounting practice and theory issues in contemporary context.

BA-636   Advanced Accounting Topics   **Credits: 3**
Prerequisite(s): BA-634
Term Offered: Spring Term
Course Type(s): None
This course in financial accounting has been developed to provide advanced knowledge and skills in various specialized and complex areas. It presupposes an extensive background in basic accounting theory. This course presents the specialized topics of business investments and combinations and consolidations, and an introduction to governmental and not-for-profit accounting. Relevant United States Generally Accepted Accounting Principles and United States Governmental Accounting Standards Board pronouncements will be considered. In addition, other topics relevant to the understanding of the current business and accounting environment (segment and interim reporting, foreign exchange transactions and partnerships, estates, trusts will be addressed).

BA-638   Auditing Practices and Cases   **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Introduces the students to the auditing standards and procedures associated with the examination of financial statements. Successful completion of this course should enable students to understand the role and methods of the independent auditor and the legal and ethical environment within which the auditor functions.

BA-699   Business Research in Accounting   **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
Independent research in business administration in an area not substantially treated in a regular course offering, under the supervision of a Business Administration faculty member; written evaluation of the research required. Student must be within nine credits of graduation. Prior permission of the directing professor and department chair is required to take this course.

Business Economics (BE)

BE-511   Microeconomics   **Credits: 1.5**
Term Offered: All Terms
Course Type(s): None
Provides MBA students with principles-level knowledge of microeconomics. Students will learn economic theory to analyze markets, competitive and noncompetitive firm behavior, market structure, government regulation and global trade.

BE-512   Macroeconomics   **Credits: 1.5**
Term Offered: All Terms
Course Type(s): None
Provides MBA students with principles-level knowledge of macroeconomics. Students will learn to determine the components and level of national income, applications to the problems of inflation, unemployment and economic stabilization. Students are introduced to the macroeconomic operation of a mixed economy such as the United States within the global economy. Topics include national income accounting, business cycles, inflation, unemployment, monetary and fiscal policies, national deficit and debt, exchange rates, balance of payments, balance of trade, global financial crises, and policy debates.

BE-571   Economic Policy in Society   **Credits: 3**
Term Offered: Fall Term
Course Type(s): MBA.E
The factors that determine the level of national income, employment, and business activity; the relationship of government in the productive system in establishing economic goals and objectives and its role in making policy.

BE-575   Analysis and Forecasting   **Credits: 3**
Prerequisite(s): BM-518 or equivalent
Term Offered: All Terms
Course Type(s): MBA.E
Identification, analysis, and appraisal of forces influencing the course of economic activity; evaluation of theories and models of cycles and growth; and various forecasting and projecting techniques.

BE-598   Special Topics: Economics   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Subject matter varies according to the interest of the students and the professor. The exact nature of the topic covered is indicated in the student's permanent record.

BE-599   Business Research   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Independent research in business administration in an area not substantially treated in a regular course offering, under the supervision of a Business Administration faculty member; written evaluation of the research required. Student must be within nine credits of graduation. Prior permission of the directing professor and department chair is required to take this course.

BE-611   Managerial Economics   **Credits: 3**
Prerequisite(s): BE-511 and BM-518
Term Offered: All Terms
Course Type(s): MBA.E
The application of the theory of production and the theory of the firm to problems of managerial decision making in a global environment. Application of contemporary microeconomic theory to managerial decision making and to public policy affecting such decisions.

BE-620   Econometrics   **Credits: 3**
Prerequisite(s): BE-511, BE-512, and BM-518
Term Offered: Spring Term
Course Type(s): None
Provides a graduate-level introduction to the methodology and tools of econometrics required by finance professionals. Topics include: linear regression, time series modeling, volatility and correlation modeling. Markov switching, limited dependent variable models and Monte Carlo simulation. EViews is used extensively in class. Instructor assumes students have no previous knowledge of EViews.

BE-650   Globalization   Credits: 3
Prerequisite(s): BE-512 and BF-515
Term Offered: Spring Term
Course Type(s): MBA.E, MBA.I
Students are introduced to debates on the meaning, causes, and consequences of globalization. The role of trade, finance, labor, multinational corporations, nation-states, international institutions, and civil society will be examined. Benefits of globalization - the potential to create goods and services, employment, income and wealth - will be contrasted with its costs - volatility, contagion, environmental degradation, inequality and poverty. The course will end with a discussion of the management of globalization through global coordination and governance.

BE-698   Special Topics in Economics   Credits: 3
Term Offered: Fall Term
Course Type(s): None
Subject matter varies according to the interest of the students and the professor. The exact nature of the topic covered is indicated in the student's permanent record. If a prerequisite is required it will be announced in the course schedule.

Business Finance (BF)

BF-515   Financial Markets   Credits: 1.5
Term Offered: All Terms
Course Type(s): None
Covers the roles and functioning of the financial markets, financial institutions and regulatory bodies, the principles of valuation of financial assets and the determinants of market interest rates.

BF-516   Business Finance   Credits: 1.5
Prerequisite(s): BA-513
Term Offered: All Terms
Course Type(s): None
Principles and techniques of financial analysis: financial planning and control, profit planning and management, valuation theory, capital budgeting, financial structure and the cost of capital.

BF-525   Real Estate Analysis   Credits: 3
Term Offered: Fall Term
Course Type(s): None
Real estate financing and appraising. Examination of personal and corporate real estate portfolio strategies. The analysis of specific types of real properties are reviewed. This includes: single- family homes, apartment houses, condominiums, shopping centers, and office and industrial buildings. Also listed as BR-525.

BF-599   Business Research   Credits: 3
Term Offered: All Terms
Course Type(s): None
Independent research in business administration in an area not substantially treated in a regular course offering, under the supervision of a Business Administration faculty member; written evaluation of the research required. Student must be within nine credits of graduation. Prior permission of the directing professor and department chair is required to take this course.

BF-612   Corporate Finance   Credits: 3
Prerequisite(s): BE-511, BE-512, BF-515, and BF-516
Term Offered: All Terms
Course Type(s): None
Analysis of corporate finance concepts: Financial ratio analysis and forecasts, estimation of cash flows for corporate valuation, cost of capital and optimal capital structure, distributions to shareholders, and financial restructuring. This course will rely on corporate cases and Excel applications.

BF-620   Econometrics   Credits: 3
Prerequisite(s): BE-511, BE-512, and BM-518
Term Offered: Spring Term
Course Type(s): None
Provides a graduate-level introduction to the methodology and tools of econometrics required by finance professionals. Topics include: linear regression, time series modeling, volatility and correlation modeling. Markov switching, limited dependent variable models, and Monte Carlo simulation. EViews is used extensively in class. Instructor assumes students have no previous knowledge of EViews.

BF-630   Investments   Credits: 3
Prerequisite(s): BE-511, BE-512, BF-515, BF-516, and BM-518
Term Offered: Spring Term
Course Type(s): None
The course studies the characteristics of securities of the debt and equity markets with major emphasis on risk and return. It delves into the valuation of these securities based on traditional and modern approaches, security evaluation and selection for portfolio construction and evaluation. The course acquaints students with the valuation and hedging characteristics of options and discusses lessons from the past financial crises and bubbles. The course applies Bloomberg technology.

BF-631   Derivatives   Credits: 3
Prerequisite(s): BE-511, BE-512, BF-515, BF-516, and BM-518
Term Offered: Spring Term
Course Type(s): None
Covers the primary instruments (forwards, futures and options) of the derivative securities market and their use in investment and corporate financial management. The course applies Bloomberg technology.

BF-632   Financial Markets and Risk Management   Credits: 3
Prerequisite(s): BE-511, BE-512, BF-515, and BF-516
Term Offered: Fall Term
Course Type(s): MBA.E
You will learn about the theories, nature and environment of financial institutions and markets of the United States, especially as it relates to activities of the Federal Reserve System. It includes financial intermediaries, the central and commercial banking systems, the determination of the money supply and interest rates, and an introduction to international financial activities.

BF-650   International Finance   Credits: 3
Prerequisite(s): BE-511, BE-512, BF-515, and BF-516
Term Offered: All Terms
Course Type(s): MBA.E, MBA.I
Study of international monetary systems and capital markets. Analysis of foreign exchange, international equity markets, bond pricing, and currency derivatives. Emphasis on international diversification and the role of emerging markets.

BF-698   Special Topics in Finance   Credits: 3
Term Offered: Spring Term
Course Type(s): None
Subject matter varies according to the interest of the students and the professor. The exact nature of the topic covered is indicated in the student's permanent record. If a prerequisite is required it will be announced in the course schedule.

BF-699   Independent Study in Finance   Credits: 3
Term Offered: All Terms
Course Type(s): None
Independent research in business administration in an area not substantially treated in a regular course offering, under the supervision of a Business Administration faculty member; written evaluation of the research required. Student must be within nine credits of graduation. Prior permission of the directing professor and department chair is required to take this course.

Business Healthcare (BH)

BH-599   Independent Study in Healthcare Management   Credits: 3
Prerequisite(s): BH-571, BH-572, and BH-573
Term Offered: All Terms
Course Type(s): None
Independent research in healthcare management in an area not substantially treated in a regular course offering, under the supervision of a Business Administration faculty member with the permission of the Program Director.

BH-698   Special Topics in Health Care   Credits: 3
Term Offered: Summer Term
Course Type(s): None
Subject matter varies according to the interest of the students and the professor. The exact nature of the topic covered is indicated in the student's permanent record. If a prerequisite is required it will be announced in the course schedule.

Business Law (BL)

BL-598   Special Topics in Business Law   Credits: 1-3
Term Offered: Spring Term
Course Type(s): None
Subject matter varies according to the interest of the students and the professor. The exact nature of the topic covered is indicated in the student's permanent record. If a prerequisite is required it will be announced in the course schedule.

BL-599   Independent Study in Business Law   Credits: 1-3
Term Offered: Summer Term
Course Type(s): None
Independent research in business administration in an area not substantially treated in a regular course offering, under the supervision of a Business Administration faculty member; written evaluation of the research required. Student must be within nine credits of graduation. Prior permission of the directing professor and department chair are required to take this course.

BL-631   Legal Environment of Business   Credits: 3
Term Offered: Spring Term
Course Type(s): None
Fundamentals of contracts, constitutional law, criminal law, tort, business organization, agency, employment, property UCC transactions: sales contracts (Articles 2 and 2A), negotiable instruments and banking (Articles 3 and 4), secured transactions (Article 9); debtor-creditor relations, decedents' estates, securities regulation and accountants' malpractice and liability.

Business Management (BM)

BM-510   Business Analysis, Research and Communication   Credits: 3
Term Offered: All Terms
Course Type(s): None
Skills in critical reasoning and communication are honed by learning fundamentals of rigorous business research through framing and exploring hypotheses on unstructured business problems.

BM-512   Entrepreneurship and Innovation   Credits: 3
Term Offered: All Terms
Course Type(s): None
Explores the practical skills and knowledge needed to create and manage an entrepreneurial venture. Specifically the course develops students' capabilities to identify opportunities, create a novel business concept, research venture feasibility, plan and marshal the resources to launch a venture, as well as manage innovation as a core competence.

BM-517   Introduction to Management   Credits: 1.5
Term Offered: All Terms
Course Type(s): None
Designed to introduce MBA students to the basics of management and management practices. This course is intended for students who have not had sufficient academic or practical background in management.

BM-518   Introduction to Statistics   Credits: 3
Term Offered: All Terms
Course Type(s): None
Provides a graduate school introduction to the methodology and tools of statistics required by today's managers. Topics include graphical representation of data, descriptive statistics, probability, binomial and normal distributions, sampling, inferential statistics, confidence intervals, hypothesis testing, analysis of variance, and single and multiple regression analysis. Microsoft Excel is used extensively in class, and students should have a very basic familiarity with the software.

BM-519   Production and Operations Management   Credits: 3
Prerequisite(s): BM-518 or equivalent
Term Offered: All Terms
Course Type(s): None
Application and adaption of current managerial methods for the production of goods and services, employing qualitative and quantitative analyses of allocating such production factors as human resources, materials, and technology in the context of optimizing performance.

BM-520   Management Information Systems   Credits: 3
Term Offered: All Terms
Course Type(s): MBA.T
A survey of the concepts of management information systems and the information needs of management. A user-oriented introduction to the fundamentals of information systems and their integration into business organizations. Not eligible to students who have successfully completed MIS-623 or SE-623.

BM-521   Seminar in Electronic Commerce   Credits: 3
Term Offered: All Terms
Course Type(s): None
Provides an overview of the managerial side of e-commerce for the purpose of discussing the strategic and managerial implications of this new and emerging phenomenon. The technological and business possibilities for commerce using information technologies and networks will be explored in terms of their value-adding potential to current business practices, as well as the development of new products and/or services.

BM-565   Management of Technology   Credits: 3
Term Offered: All Terms
Course Type(s): MBA.T
Study of the management of the technological innovation process and internal entrepreneurship; major topic areas include: technology strategy, technological evolution, strategic alliances, and new product development.

BM-598   Special Topics in Management   Credits: 3
Term Offered: All Terms
Course Type(s): None
Subject matter varies according to the interest of the students and the professor teaching the course. The exact nature of the topic covered is indicated in the student's permanent record. If a prerequisite is required it will be announced in the course schedule.

BM-599   Business Research: Management   Credits: 3
Term Offered: All Terms
Course Type(s): None
Independent research in business administration in an area not substantially treated in a regular course offering, under the supervision of a Business Administration faculty member; written evaluation of the research required. Student must be within nine credits of graduation. Prior permission of the directing professor and department chair is required to take this course.

BM-613   Managing and Leading in Organizations   Credits: 3
Prerequisite(s): BM-517
Term Offered: All Terms
Course Type(s): None
This course is designed to further develop students' understanding of the concepts of management and leadership within the complex framework of modern business.

BM-620   Management Science and Business Analytics   Credits: 3
Prerequisite(s): BM-518 and BM-519
Term Offered: All Terms
Course Type(s): MBA.Q
Provides a graduate school introduction to the methodology and tools of Management Science and Business Analytics that are a necessity for all of today's managers. Students will learn how to model, design and analyze systems. Excel will be used for quantitative analysis and decision- making tools. Students will also learn how to organize, sort and sift through high levels of data in order to make a decision. Also listed as DS-660.

BM-622   Applied Information Systems Management   Credits: 3
Prerequisite(s): BM-518
Term Offered: All Terms
Course Type(s): MBA.Q, MBA.T
Value creations through many applications of data, information, and knowledge are one of the primary objectives of modern business organizations. Applied Information Systems Management focuses on the development of data management skills, which serve as the foundation for extension of learning in the areas of data mining, knowledge management, geographical information systems, and intelligent information systems for business. Emphasis is placed on gaining the ability to organize, sort, and sift through high levels of data in order to make an informed and accurate decision.

BM-630   Project Management   Credits: 3
Prerequisite(s): BM-519 or equivalent
Term Offered: All Terms
Course Type(s): None
Advanced coverage of both the qualitative and quantitative aspects of effective project management. The project life cycle phases of initiating, planning and design, executing, monitoring and controlling, and closing projects will be extensively covered from an applied managerial perspective.

BM-631   Logistics Supply Chain Management   Credits: 3
Prerequisite(s): BM-517, BM-518, and BM-620 or BM-622
Term Offered: Summer Term
Course Type(s): None
Logistics is an integrative activity uniting suppliers, providers of goods and services, and customers with logistical and supply chain systems binding global participants to fulfill their common interest in a most effective manner.

BM-635   Human Resource and Organizational Development   Credits: 3
Prerequisite(s): BM-517
Term Offered: All Terms
Course Type(s): MBA.B
Examination of the practices and problems associated with staffing, managing, evaluation, and organizational development. Examination of the practices and problems associated with staffing, leading, and organizational sustainability.

BM-650   International Business   Credits: 3
Prerequisite(s): BM-613
Term Offered: All Terms
Course Type(s): MBA.I, MBA.B
The factors unique to international/global business in both the external environment (cultural, political, legal, technological, economic, financial) and the internal functional decisions made by the firm for sustainable strategic growth, while identifying risk.

BM-660   Corporate Governance and Organizational Ethics   Credits: 3
Prerequisite(s): BM-517
Term Offered: All Terms
Course Type(s): None
The properties of national and global markets and the interests of nation states and nongovernmental organizations are explored in analyzing how sustainable business strategies, corporate governance, and organizational ethics are linked.

BM-670   Strategic Management   Credits: 3
Term Offered: All Terms
Course Type(s): None
A conceptual and capstone approach to business organizing and planning through seminars, case studies, and simulation of global enterprise; the formulation and implementation of competitive strategy.

BM-699   Independent Study in Management   Credits: 3
Term Offered: All Terms
Course Type(s): None
Independent research in business administration in an area not substantially treated in a regular course offering, under the supervision of a Business Administration faculty member; written evaluation of the research is required. Student must be within nine credits of graduation. Prior permission of the directing professor and department chair is required to take this course.

Business Marketing (BK)

BK-520   Foundations of Marketing Management   Credits: 1.5
Term Offered: All Terms
Course Type(s): None
As a foundation course, this course provides MBA students with fundamental concepts in marketing management involving companies to satisfy their consumers' objectives through right goods and services based on understanding consumer characteristics and marketing system environments; introducing the marketing mix strategies based on thorough analysis of consumer and market environment, promote, distribute and price products and services to satisfy and organize buyers.

BK-599   Business Research   Credits: 1-3
Term Offered: All Terms
Course Type(s): None
Independent research in Business Administration in an area not substantially treated in a regular course offering, under the supervision of a business administration faculty member; written evaluation of the research required. Student must be within nine credits of graduation. Prior permission of the directing professor and department chair is required to take this course.

BK-614   Marketing Management   Credits: 3
Prerequisite(s): BK-520
Term Offered: All Terms
Course Type(s): None
An integrated approach to managing the business function of marketing: planning, organizing, controlling, and measuring the total marketing effort; managerial principles and practices applied to the marketing process.

BK-620   Marketing Research   Credits: 3
Prerequisite(s): BK-520
Term Offered: Spring Term
Course Type(s): MBA.K
Tools and techniques for conducting, evaluating, and utilizing marketing research; decisions concerning pricing, promotion, personal selling, consumer behavior, and distribution policies evolving from the research data.

BK-639   Promotional Strategy   Credits: 3
Prerequisite(s): BK-520
Term Offered: Fall Term
Course Type(s): MBA.K
Integrated marketing communications including advertising, sales promotion, direct response, personal selling, public relations, and Internet/e-marketing. Focus is on the understanding and developing of promotional strategies from a theory and real-world (case- analysis) approach.

BK-640   Consumer Behavior   Credits: 3
Prerequisite(s): BK-614
Term Offered: All Terms
Course Type(s): MBA.K
An in-depth study of the various perspectives, theories, and contributors to behavior displayed by consumers in the search, purchase, use, evaluation, and disposal of economic goods and services including the decision processes that precede and determine these acts.

BK-641   Advertising and Media Management   Credits: 3
Prerequisite(s): BK-520
Term Offered: Spring Term
Course Type(s): MBA.K
An integrated approach to analyzing and managing advertising as an effective element in the promotional mix.

BK-650   International Marketing Management   Credits: 3
Prerequisite(s): BK-520
Term Offered: All Terms
Course Type(s): MBA.K, MBA.I
Strategic marketing decisions for sustainable international and global markets including overall market analysis, market entry decisions, branding decisions, consumer differences, and the external environment factors (culture, climate, political, legal, environment, economic, technological, and competitive) that inform product, pricing, distribution and promotional strategies.

BK-698   Special Topics in Marketing   Credits: 3
Prerequisite(s): BK-520
Term Offered: All Terms
Course Type(s): None
Subject matter varies according to the interest of the students and the professor. The exact nature of the topic covered is indicated in the student's permanent record.

BK-699   Independent Research in Marketing   Credits: 3
Prerequisite(s): BK-520
Term Offered: All Terms
Course Type(s): None
Independent research in Business Administration in an area not substantially treated in a regular course offering, under the supervision of a business administration faculty member; written evaluation of the research is required. The student must be within nine credits of graduation. Prior permission of the directing professor and department chair is required to take this course.

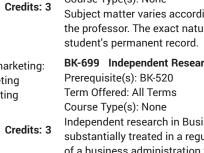# Business Real Estate (BR)

BR-510   Real Estate Law   Credits: 3
Term Offered: Spring Term
Course Type(s): None
Students will be introduced to the legal issues in the ownership, transfer, and development of real property.

BR-525   Real Estate Analysis   Credits: 3
Term Offered: Fall Term
Course Type(s): None
Students gain insight into basic real-estate finance and valuation theory. Traditional approaches to value are reviewed. Examination of personal and corporate real estate portfolio strategies. The analysis of specific types of real properties are reviewed. This includes: single-family homes, condominiums, shopping centers, and office and industrial buildings. Also listed as BF-525.

BR-527   Real Estate Finance, Investment and Tax   Credits: 3
Term Offered: Spring Term
Course Type(s): None
Designed to introduce students to the world of real-estate finance, including debt and equity issues and securitization.

BR-530   Real Estate Lease and Negotiations   Credits: 3
Term Offered: Fall Term
Course Type(s): None
Students will look at the commercial leasing of real estate, including statutory law, public policy, and landlord-tenant relations, along with the role of the real estate broker.

BR-580   Regulation and Real Estate Development Process   Credits: 3
Term Offered: Fall Term
Course Type(s): None
Real Estate Development analyzes the distinctive roles and perspectives of government and business in the land development process. A step-by-step examination of the phases of a real estate development project from conceptualization to either disposition or lease-up that emphasizes both the management and approval aspects of those phases.

BR-598   Special Topics in Real Estate   Credits: 1-3
Term Offered: Spring Term
Course Type(s): None
Subject matter varies according to the interest of the students and the professor. The exact nature of the topic covered is indicated in the student's permanent record. If a prerequisite is required it will be announced in the course schedule.

BR-599   Independent Study in Real Estate   Credits: 3
Term Offered: Fall Term
Course Type(s): None
Independent research in real estate in an area not substantially treated in a regular course offering, under the supervision of a Business Administration faculty member and with the permission of the program director. Prior permission of the directing professor and department chair is required to take this course.

BR-630   Environmental Land Use and Planning Law and Regulation
                                                     Credits: 3
Term Offered: Spring Term
Course Type(s): None
This expands upon the basics of real estate law and development law to examine closely the detailed federal, state and local statutes, regulations and case law that impact the design, planning, and approval of proposed real estate developments and the redevelopment of areas. Case studies of existing developments as well as current developments already in progress will be analyzed.

BR-631   Capital Markets and Real Estate   Credits: 3
Prerequisite(s): BF-515 and BF-516
Term Offered: Fall Term
Course Type(s): None
This course will build upon the foundations laid in the basic Real Estate Finance course. The focus will be upon the "capital stack" including the forms of equity and debt available to finance real estate. The various forms of ownership of real estate will be examined from the perspective of the investors, owners, and lenders. The tax implications of the various forms of investment will be closely examined to demonstrate the effects of alternative legal structures. Case studies of successful and unsuccessful real estate projects will be used to understand how certain legal structures contributed to the success or failure. The discussion of "bankruptcy remote" entities will be included.

BR-632   Real Estate Valuation and Analysis   Credits: 3
Prerequisite(s): BF-516
Term Offered: Summer Term
Course Type(s): None
Provides students with a basic understanding of the three traditional methods of real property appraisal including the Sales, Cost, and Income Approaches to value. These approaches will be applied to various property types including residential, commercial (retail and office), and industrial properties. Most emphasis will be applied to the Income Approach as it best typifies the expectations of buyers and sellers of commercial properties in the marketplace. Direct and Yield capitalization techniques and applications will be thoroughly reviewed and discussed within the context of litigation valuation assignments.

BR-633   Real Estate Accounting, Taxation and Insurance   Credits: 3
Prerequisite(s): BA-513 and BF-516
Term Offered: All Terms
Course Type(s): None
This course will provide students with a general understanding of the accounting, taxation and insurance/risk management aspects of real estate and develop a basic understanding of the principles of real estate accounting, taxation, and risk management and their interrelationship in the financial reporting and management of real estate companies to enable a non-accountant to understand generally their implications upon investment, leasing, and development decisions in real estate and to engage in informed discussions with accountants and other financial professionals.

BR-634   Real Estate Lease Negotiations and Analysis   Credits: 3
Term Offered: All Terms
Course Type(s): None
Designed to introduce the basic terminology of real estate leases and to gain an understanding of the business and legal interests of landlords and tenants and how these interests impact the negotiations of leases. The course will include a discussion of office, retail, shopping center, warehouse, ground and residential leases. Guest speakers will be utilized to demonstrate the practical aspects of lease negotiations. One or more field trips to lease locations will be part of the curriculum.

BR-635   Real Estate Property Management   Credits: 1.5
Prerequisite(s): BR-630
Term Offered: All Terms
Course Type(s): None
Provides students with a general understanding of the property management of real estate, including commercial, residential and condominium and cooperative properties. The essentials of budgeting, maintenance, tenant and owner relations as well as the business of owning a property management firm are included.

BR-636   Real Estate Sales and Marketing   **Credits: 1.5**
Prerequisite(s): BK-520
Term Offered: All Terms
Course Type(s): None
Includes a study of the traditional methods of market analysis of buyers and tenants as well as a focus on the use of social media. The evaluation of the costs and benefits of various types of sales and marketing techniques including case studies will be utilized. A review of the laws regarding marketing including federal truth in lending, discrimination, and interstate sales is included.

BR-637   Real Estate Construction   **Credits: 3**
Prerequisite(s): BR-630
Term Offered: All Terms
Course Type(s): None
This course will provide students a basic understanding of the terminology used in construction of real estate projects; the critical path processes required for successful completion of construction; an understanding of different materials used in construction; the evaluation and selection of general contractors, construction managers, and subcontractors; the laws concerning construction and lien laws.

BR-638   Real Estate Planning and Design   **Credits: 1.5**
Prerequisite(s): BR-630
Term Offered: All Terms
Course Type(s): None
An understanding of how the planning of a site and the design of the infrastructure and structures on the real estate impacts the feasibility and performance of the project as well as the impact of the project on the surrounding areas.

BR-640   Strategic Case Studies in Real Estate   **Credits: 3**
Prerequisite(s): BR-631 and BR-632
Term Offered: Spring Term
Course Type(s): None
This "capstone course" will apply the lessons learned in the other real estate courses to actual real estate development projects. Students will dissect actual real estate projects from the perspective of the developer and owner as well as others involved in the financing of the projects. The analysis of critical decision points in planning, marketing, pricing, construction will be examined with the benefit of hindsight. Students will then apply those lessons to current real estate projects.

BR-650   International Real Estate   **Credits: 3**
Prerequisite(s): BR-630 and BR-631
Term Offered: All Terms
Course Type(s): None
Examines the legal, financial, regulatory, and social aspects of real estate ownership and development in selected international markets. The markets will include Europe, UK, Pacific Rim, Canada, Mexico, China, and other areas. Investment by U.S. companies in these international markets as well as investments in U.S. real estate by foreign investors will be included.

BR-698   Special Topics in Real Estate   **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Subject matter varies according to the interest of the students and the professor. The exact nature of the topic covered is indicated in the student's permanent record. If a prerequisite is required it will be announced in the course schedule.

BR-699   Independent Study in Real Estate   **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
Independent research in Real Estate is for areas of Real Estate not substantially treated in a regular course offering. It is done under the supervision of a Leon Hess Business School faculty member, and written evaluation of the research is required. Prior permission of the directing professor and department chair is required to take this course.

Communication (CO)

CO-COL   Colloquium in Communication   **Credits: 1**
Term Offered: All Terms
Course Type(s): None
Department faculty will present their areas of research and graduate courses they teach. Students network with other students, professors, and speakers from various branches of the field of communication. Graduating students present their research in this forum. This is a pass/fail course.

CO-CPE   Communication Comprehensive Exam   **Credits: None**
Term Offered: All Terms
Course Type(s): None
Communication Comprehensive Exam This is a pass/fail course.

CO-501   Communication Theories for Professional Life   **Credits: 3**
Term Offered: Spring Term
Course Type(s): EN.RW
Introduces foundational ideas in the fields of human and mass communication and the ways scholars have developed these through research. Highlights theories that apply to public service communication(social responsibility, relationship building, etc.). Students learn to write literature review exploring recognized branch of theory.

CO-502   Research Methods for Professional Life   **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
Introduces commonly employed quantitative and qualitative research techniques in communication as well as research ethics. Students learn to design a research project, conduct a pilot study, and write a formal proposal. Research for the public good will be emphasized.

CO-503   Graduate Foundations in Communication   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Introduces new students to the field of communication, its history, branches and disciplines, emphasizing communication for the public good. Assists students in meeting demands of graduate study, using research resources, and understanding departmental policies. Establishes public service objectives of the program. Introduces options for final thesis or project. Students create a plan of study to guide future course and project selections.

CO-504   Principles of Public Relations   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Explores the theoretical foundations and principles that encompass the field and practice of public relations. In addition to surveying relevant public relations communication theories, students will develop core competency skills in the creation and execution of strategies and tactics that encompass comprehensive public relations campaigns.

CO-505   Interpersonal Communication   Credits: 3
Term Offered: All Terms
Course Type(s): None
An examination of the theories, models, elements, and processes of dyadic communication with emphasis on relationship development. The concepts, principles, and practices of interpersonal communication will be applied to selected interpersonal contexts, such as first encounters, marriage, family, friendship, professional, and business settings.

CO-507   Organizational Communication   Credits: 3
Term Offered: All Terms
Course Type(s): None
The study of the role and impact of communication in contemporary organizations and a survey of contemporary organizational research. Examination of how an organization's structure, management philosophy, and internal culture impact the flow of information, productivity, and goal achievement of the organization and its members and clients. Study of the communication processes in business, medical, educational, and nonprofit organizations.

CO-508   Presentational Communication: Design and Delivery   Credits: 3
Term Offered: Fall Term
Course Type(s): TPS
A survey of the rhetorical principles that provide a basis for the production and analysis of effective oral presentation and impression management. Speech writing and delivery of persuasive presentations with a particular emphasis on presentational technologies. Preparation for a variety of public communication challenges are studied, and student presentation skills are honed in practice sessions.

CO-509   Communication, Culture, and Community   Credits: 3
Term Offered: Spring Term
Course Type(s): TPS
Fosters an understanding of community as a communication concept and explores the performance of community roles through civic engagement and democratic participation. Students will explore the nature of community, the impact of institutions in everyday life, the consequences of individual, social, and global privilege, and the role of personal responsibility in communities. Students test the possibilities and problems of contemporary forms of community through a community-based service project.

CO-510   Global Communication and Public Relations   Credits: 3
Term Offered: All Terms
Course Type(s): None
A critical analysis of globalization and global communication theory, research, and other selected theoretical concepts as they apply to international communication, media and public relations. Global communication will be portrayed from various theoretical perspectives, and this class will examine major trends and stakeholders. Global communication will be examined from historical, cultural, economic, public policy, journalism and media, new technology, communication industry, and public relations perspectives. Particular emphasis will be on the growing field of scholarly literature in the area of global public relations.

CO-511   Strategic Digital Communication   Credits: 3
Term Offered: All Terms
Course Type(s): None
Through case study analysis, practical assignments, and examination of key public relations and marketing research studies, this seminar type class provides students with an intensive study of the strategic application of integrated digital and social communication tactics as they relate to the fields and practice of public relations and marketing. Through the strategic development of digital integrated communication plans, students will gain an increased understanding of how to engage clients and build online communities, identify influences, establish thought leadership and apply digital marketing techniques.

CO-512   Intercultural Communication and Diversity Management
Credits: 3
Term Offered: All Terms
Course Type(s): TPS
An examination of the cultural nature of communication and the dynamics of face-to-face interaction between persons from diverse cultures and co-cultures. Examining the challenge of managing a diverse organizational workforce in a multicultural society and methods to increase organization members' intercultural communication competence.

CO-514   Conflict Management and Negotiation   Credits: 3
Term Offered: All Terms
Course Type(s): TPS
Theory and research on the nature, causes, and resolution of interpersonal, group, and organizational conflict. A comprehensive examination of conflict styles, techniques, and methods of resolution of conflicts. Emphasis is placed on information sharing, effective listening, problem solving, mediation, and negotiation as tools for conflict management.

CO-516   Public Relations and Fundraising for Nonprofits   Credits: 3
Term Offered: All Terms
Course Type(s): TPS
Through case study analysis, practical assignments, and examination of key public relations theories, this course provides an understanding of the important role that public relations plays in furthering the mission and goals of nonprofit and non-government organizations (NGOs). Instruction focuses on using effective public relations techniques to gain support from different constituencies.

CO-520   Communication Ethics   Credits: 3
Term Offered: Fall Term
Course Type(s): None
Communication ethics is the study of the principles that govern the conduct of private and public communication in the pursuit of the personal and common good. Provides an introduction to communication ethics through the writings of important ancient and contemporary scholars.

CO-524   Public Opinion and Media   Credits: 3
Term Offered: All Terms
Course Type(s): None
An examination of the shifting nature of public opinion, the agenda-setting role of mass media, and the survey methods that are employed to determine public opinion. The practices, values, and traditions of journalism that impact public opinion. Experience with the conduct of a survey and analysis of case studies.

CO-525   Political Communication   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
The study of traditional and contemporary theories of rhetoric as applied in research and analysis of political campaigns. The rhetorical creation, maintenance, application, and legitimization of symbolic power. A survey of analytic models of political communication and application of the models to case studies. The role of the political communication specialist. Practicum in political communication strategies and techniques. Also listed as PS-525.

CO-526   Advanced Public Relations Planning   **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Explores advanced theoretical foundations and principles demanded of public relations professionals working with corporations, for-profit entities, and non-profit organizations. In addition to surveying relevant public relations communication theories, students will develop advanced competency skills required to plan and execute comprehensive public relations campaigns. Also examines the dynamics of the evolving approach to integrated marketing communication that currently dominates the field and practice of public relations.

CO-527   Crisis and Issues Management   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Advanced public relations theory and practices dealing with management of organizational crisis and issues. The process of research, analysis, planning, and implementation of crisis management will be explored. The role of the public relations professional in the development of crisis communication strategies and tactics will be examined. Control of crisis, rumor, public perception, corporate image, and reputation will be emphasized. Case studies, simulations, group exercises, and projects will be used to develop skills in crisis and issues management.

CO-532   Global Media and New Technologies   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
An examination of the interlinked world of international mass media systems and media technologies; how societies and nations are both connected and divided by communication methods, technologies, national and international policies, and cultural expression. Students will examine the variety of models of electronic media around the globe and investigate the influence of national and international policy decisions on sovereign nations and indigenous culture, particularly in light of the constant advances of emerging media technologies.

CO-540   Organizational Training and Consulting   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
A survey of adult-learning theory, needs assessment, training techniques, and evaluation as applied to communication training. Planning and implementing training programs that serve real organizational needs. The role and ethical standards of the communication professional serving as a communication specialist or counsel to an organization. The completion of a practicum project in training or development.

CO-561   Message Construction: Audio, Video and Web   **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
How do we create engaging, media-rich content for mobile, tablet and desktop users in professional settings? This class explores the technical, aesthetic and critical tools needed to create professional audio, video and images for online visual communication. Real-world projects that related to the student's field of interest are implemented throughout the course to craft and refine skills in message construction.

CO-562   Interactive Media Theory   **Credits: 3**
Term Offered: All Terms
Course Type(s): IM
This seminar examines recently possible technologies as a measure for understanding social values, cultural directions, market trends, and imagined horizons. Students respond and discuss readings and screenings that explore but are not limited to: Immersive technologies, artificial intelligence and automation, expansion of digital platforms, globalization, data science, visualization, internet-of-things, cybersecurity, digital fabrication, applied networks, robotics, and digital citizenship.

CO-563   Interactive Digital Media Studio   **Credits: 3**
Term Offered: All Terms
Course Type(s): IM, TPS
Explores the design and production cycles of recent technology tools and platforms for visual and computational communication and focuses on aesthetic and technical processes. Students prototype interactive-based projects and campaigns. Current technologies include time-based media production, ubiquitous computation, user experience and user-centered design, social media integration, working in development teams, voice and gesture recognition, interface and control, immersion, augmented and virtual reality, geolocation applications, crowd sourcing, and tools for social change.

CO-564   Community-Based Digital Projects   **Credits: 3**
Term Offered: All Terms
Course Type(s): TPS
In this practicum course, students research alongside faculty to solve real-world challenges by understanding innovation via feasibility, desirability, and viability. Real world clients and stakeholders present project challenges to the practicum research team in briefings. The research team assesses scope, playtests prototype solutions, prepares specifications, and offers addressable implementations to clients.

CO-565   Special Event Planning and Promotion   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Many organizations use events as a public relations strategy to build and maintain relationships with key stakeholders. Through case study analysis, practical assignments, and examination of key public relations theories, this course introduces students to successful event planning and promotion. Emphasis is on creating, organizing, identifying sponsors, publicizing and implementing special events.

CO-584   Leadership Communication   **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
The theory, research, and practice of leadership from a communication perspective. The examination of research on leadership concepts and theories in organizational, group. and public contexts is interdisciplinary in scope. Students will analyze their personal leadership styles, critique historic and contemporary models, examine and develop leadership communication skills through team projects, class exercises, and research.

CO-592   Interactive Storytelling with Data   **Credits: 3**
Term Offered: All Terms
Course Type(s): COPRM, CORTP, IM, TPS
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 undergraduate course, CO-492. Also listed as DS-525.

CO-595   Graduate Internship in Communication   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Designed for students with less than one-year professional experience. Supervised practical work experience with media outlets, advertising and promotion agencies, public relations firms, film companies, etc. Involves cooperative efforts of departmental faculty and employers. Exposure to current and innovative techniques in research, management, and creative activities while offering practical experience. Instructor consent is required to take this course.

CO-598   Special Topics in Communication   **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
Subject matter varies with the interests of the students and the professor. Intensive study of such topics in communication processes as gender relations, small group communication and decision making, leadership communication, film and video criticism, telecommunication technology, and legal communication. If a prerequisite is required it will be announced in the course schedule.

CO-599   Independent Study in Communication   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Guided research in selected topics in Communication. Prior permission of the directing professor and department chair is required to take this course.

CO-691   Communication Thesis Proposal   **Credits: 3**
Prerequisite(s): CO-501, CO-502, and completion of nine graduate level communication credits (or approved equivalent), and permission of the faculty thesis advisor
Term Offered: All Terms
Course Type(s): None
A two-semester sequence of an independent research study in consultation with a faculty thesis advisor. In this first semester, the student will select an area of communication research and develop a thesis proposal. The completed ten to fifteen page proposal will include a research question or hypothesis, rationale for study, literature review, methodology, and (if applicable) approval from the Institutional Review Board for research involving human participants.

CO-692   Communication Thesis   **Credits: 3**
Prerequisite(s): CO-691
Term Offered: All Terms
Course Type(s): None
A two-semester sequence of an independent research study in consultation with a faculty thesis advisor. In the second semester, the student will complete work to execute the thesis proposal from CO-691. In consultation with the faculty thesis advisor, two additional thesis readers will be assigned. Those readers and thesis advisor comprise a faculty thesis committee. The completed thesis of no less than twenty-five pages will include: a research question or hypothesis, rational for study, literature review, methodology, results, discussion, conclusion, complete bibliography, and appropriate appendices. If a student required an IRB approval for human subjects research, this documentation must be a part of the appendices. Upon completion of the study, the student is required to defend the thesis before a faculty committee and to make a presentation in the CO-503 Graduate Foundations in Communication class.

CO-693   Communication Project Proposal   **Credits: 3**
Prerequisite(s): CO-501, CO-502, and completion of nine graduate level communication credits
Term Offered: All Terms
Course Type(s): None
A two-semester sequence of an independent professional project in consultation with a faculty project advisor. In the first semester, the student will review relevant trade and scholarly literature and conduct research leading to the development of a project proposal. The student must receive approval of the project advisor based on a demonstration of his or her pre-existing competence with media message construction.

CO-694   Communication Project   **Credits: 3**
Prerequisite(s): CO-693 and permission of the faculty project advisor
Term Offered: All Terms
Course Type(s): None
A two-semester sequence of an independent professional project in consultation with a faculty project advisor. In the second semester the student will complete work to execute the project proposal from CO-693. The project requires the production and execution of a professional-quality media message of significant length and value for a public service organization as well as a well-researched paper documenting and justifying the process. Upon completion of the project, the student is required to defend the project before a faculty committee and to make a presentation in CO-COL, Graduate Colloquium.

CO-695   Interactive Digital Media Thesis Project   **Credits: 3**
Prerequisite(s): CO-562, CO-563, CO-564, BM-512, SE-517, completion of three additional graduate level communication credits and permission of the instructor
Term Offered: All Terms
Course Type(s): TPS
Students will review relevant industry, scholarly, and market literature and conduct precedent research leading to the development of prototypes for an innovative product or service. Students will develop and implement a highly considered and designed product or service as a market-ready, functional prototype. Working with targeted stakeholders and incubation mentors, the student will create specifications and hone the project scope of the project prototype for public release. The student will develop a business plan for wider release, acceleration, or further incubation of the project after the completion of this Masters thesis course.

Computer Science (CS)

CS-501A   Computer Programming Essentials   **Credits: 3**
Term Offered: All Terms
Course Type(s): TPS
An introduction in computer programming for newly admitted graduate students. Students will learn basic concepts in modern computer programming. Students will complete all the programming exercises and assignments in the modern objected-oriented language.

CS-501B   Program Development   **Credits: 3**
Prerequisite(s): CS-501A passed with a grade of B- or higher
Term Offered: All Terms
Course Type(s): None
Continuation at the coverage of the same modern object-oriented language introduced in CS-501A. More advanced object-oriented design, including inheritance and polymorphism.

CS-502   Theoretical Foundations of Computer Science   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Concepts, methods, models, and associated computer exercises for important topics in discrete mathematics and probability. Includes: logic and mathematical reasoning, functions, sets, summations, asymptotic notation, algorithms and complexity, number theory, cryptography, matrix algebra, induction and recursion, counting techniques, combinatorial objects, discrete structures, discrete probability theory, relations, graph theory, moments, random variables, and graph algorithms. Limited to Computer Science majors.

CS-503   Data Structures and Algorithms   **Credits: 3**
Prerequisite(s): CS-501B passed with a grade of B- or higher
Term Offered: All Terms
Course Type(s): None
Design and implementation of fundamental data structures and algorithms, including: linked lists, hashing, sorting, trees, stacks, queues, sets and bags, and recursion. Application to problem solving and object-oriented design of moderate-sized programs.

CS-505   Operating Systems Concepts   **Credits: 3**
Prerequisite(s): CS-503 passed with a grade of B- or higher
Term Offered: All Terms
Course Type(s): None
The basic concepts of operating systems from the point of view of an advanced user: the interaction of the kernel, the command interpreter, and user processes. Focus is on process and resource management, concurrency control, and inter-process communication. Examples and projects are based mainly on Unix. The course also includes an introduction to computer architecture from an operating-systems perspective (processors, devices, interrupts, clocks, etc.).

CS-509   Advanced Object-Oriented Programming and Design   **Credits: 3**
Prerequisite(s): CS-501B passed with a grade of B- or higher
Term Offered: Fall Term
Course Type(s): None
Object-oriented programming and design, using a language different from that used in CS 501B. Used in classes, inheritance, polymorphism, and libraries.

CS-512   Algorithm Design   **Credits: 3**
Prerequisite(s): CS-502 and CS-503 both passed with a grade of B- or higher
Term Offered: Spring Term
Course Type(s): CISEL
Design and analysis of algorithms; dependence of algorithm efficiency on data structure choice; correctness of algorithm implementation and basic design techniques and their applications to programming with fundamental data structures.

CS-514   Networks   **Credits: 3**
Term Offered: All Terms
Course Type(s): CISEL
An introductory-level course on the hierarchy of networking software and hardware. Particular emphasis on medium Access Control, Network layer, Transport layer, and Session layer. Several MAC-layer protocols, TCP/IP. Also listed as MIS-514.

CS-517   Database Design and Management   **Credits: 3**
Prerequisite(s): CS-503 passed with a grade of B or higher
Term Offered: All Terms
Course Type(s): CISEL
Introduction to database systems, data modeling, design theory and methodologies, query languages and query processing. Coverage of relational database model and design, normalization process, SQL, hands-on database design and application development. Also listed as MIS-517.

CS-518   Fundamentals of Computer Security and Cryptography
                                                               Credits: 3
Prerequisite(s): CS-514 or MIS-514 passed with a grade of B- or higher
Term Offered: Fall Term
Course Type(s): CISEL
An introduction to computer security and its related issues, including cryptography. It covers threats assessment, security policies, basic cryptography, security mechanisms, and assurance. Also includes several case studies on enhancing the security level of specific systems by integrating different security mechanisms and techniques. Both theoretical and practical issues are addressed in the course. Students who successfully complete this course will be capable of assessing the threats, enhancing the security, and evaluating the assurance level of specific computer systems.

CS-520   Introduction to Intelligent Systems   **Credits: 3**
Prerequisite(s): CS-502 and CS-503 both passed with a grade of B- or higher
Term Offered: All Terms
Course Type(s): CISEL
Introduction to methods and algorithms used to incorporate intelligence into computer programs. Topics include search techniques, representation and reasoning, and machine learning. Applications of these methods are stressed. Also covers implementation of some of the fundamental algorithms.

CS-521   Artificial Intelligence   **Credits: 3**
Prerequisite(s): CS-503 and CS-520 both passed with a grade of B- or higher
Term Offered: All Terms
Course Type(s): None
Basic and advanced methods in symbolic and quantitative artificial intelligence through Lisp programming techniques. Current issues concerning rule-based vs. statistical methods via applications.

CS-522   Knowledge Fusion   **Credits: 3**

Prerequisite(s): CS-517 or CS-520 passed with a grade of B- or higher.
Term Offered: Summer Term
Course Type(s): None

Coverage of the fundamental techniques for integrating information from heterogeneous sources to obtain actionable knowledge. The sources of information include databases, files, and Web pages. Covered techniques include both those based upon logic and also approaches based on probabilistic reasoning.

CS-525   Simulation   **Credits: 3**

Prerequisite(s): CS-502, CS-503, and CS-514 all passed with a grade of B- or higher
Term Offered: Spring Term
Course Type(s): None

Formal models of discrete event systems, computer simulation of models, and analysis of simulation results. Discrete event simulation is applied to studying the performance of computer and communication systems. Object-oriented design and programming in C++.

CS-529   Web Services and .NET   **Credits: 3**

Prerequisite(s): CS-503 passed with a grade of B- or higher
Term Offered: Spring Term
Course Type(s): CISEL

Introduction to Web services. Theoretical and practical coverage of client-server architecture, communication protocols, and messaging, including XML and SOAP transactions. .NET Framework architecture is used for the applications. We contrast with other platforms, e.g., Java-based Web services. Students implement Web services and simple clients on PCs or mobile devices.

CS-532   Compiler Design   **Credits: 3**

Prerequisite(s): CS-512 passed with a grade of B- or higher
Term Offered: All Terms
Course Type(s): CISEL

The major techniques used in compiler writing, lexical analysis, syntax analysis, storage management, error detection and recovery, and code generation. Tools for compiler writing (LEX, YACC, etc.).

CS-533   Database System Implementation   **Credits: 3**

Prerequisite(s): CS-502 and CS-503 both passed with a grade of B- or higher
Term Offered: Fall Term
Course Type(s): CISEL

DBMS architecture, data storage and indexing, query processing and optimization, transaction management and recovery, and some issues related to advanced database applications.

CS-535   Telecommunications   **Credits: 3**

Prerequisite(s): CS-502, CS-505, and CS-514 all passed with a grade of B- or higher
Term Offered: Fall Term
Course Type(s): None

In-depth coverage of the lower layers of the network hierarchy: Physical layer, Data Link layer, Network layer, and Transport layer.

CS-536   File Management and Query Strategies   **Credits: 3**

Prerequisite(s): CS-503 passed with a grade of B or higher
Term Offered: Summer Term
Course Type(s): None

Addresses data storage and organization, file management principles, and query processing and applications. Students will gain hands-on experience in file processing and application development.

CS-550   Computer System Architecture   **Credits: 3**

Prerequisite(s): CS-502 and CS-503 both passed with a grade of B- or higher
Term Offered: All Terms
Course Type(s): None

Computer system interconnection structures, central processing unit, control unit, microprogrammed control, memory organization, cache and virtual memory, computer arithmetic, RISC processors, introduction to parallel processing, and case studies.

CS-588   Computer Science Practice and Experiences   **Credits: 1**

Prerequisite(s): 18 credits in Computer Science or Software Engineering
Term Offered: All Terms
Course Type(s): None

Provides opportunity for Computer Science graduate students to obtain related experience in employment at a local company or institution with Monmouth University sponsorship. Available to Computer Science graduate students who have completed at least eighteen credit hours of graduate courses (500 level), with a minimum GPA of 3.00. Does not satisfy elective requirements. Students may take the course a maximum of two times. This is a pass/fail course. Departmental approval is required to take this course.

CS-598   Special Topics in Computer Science   **Credits: 3**

Prerequisite(s): CS-520 and CS-503 both passed with a grade of B- or higher
Term Offered: All Terms
Course Type(s): CISEL

Subject matter varies with the interest of the students and of the professor teaching the course. The exact nature of the topic covered in any given semester is indicated in the student's transcript.

CS-599   Independent Study in Computer Science   **Credits: 3**

Term Offered: All Terms
Course Type(s): None

Independent study in a topic not substantially treated in a regular graduate course, for students with superior ability; weekly consultation. Prior permission of directing professor and the graduate program director is required to take this course. This course can only be taken once for credit. Completion of all foundation and core courses and a minimum G.P.A. of 3.50 is required to take this course.

CS-611   Secure Web Services Design   **Credits: 3**

Prerequisite(s): CS-501B passed with a grade of B- or higher
Term Offered: Spring Term
Course Type(s): CISEL

Web applications present a complex set of security issues for architects, designers, and developers. The most secure and hack-resilient Web applications are those that have been built from the ground up with security in mind. This course focuses on principles of secure Web applications design. Topics include threats and counter measures, security in Web service frameworks, session control, access control, and data protection. Also listed as SE-611.

CS-618   Data Mining   **Credits: 3**

Prerequisite(s): CS--517 and CS-520 both passed with a grade of B- or higher
Term Offered: Spring Term
Course Type(s): CISEL

An introduction to the fundamental concepts, algorithms, and techniques of data mining. Topics include: data preprocessing, classification algorithms and techniques, anomaly detection, and the design of data warehousing and OLAP systems.

CS-625   Internet Crawler   **Credits: 3**
Prerequisite(s): CS-529 passed with a grade of B- or higher
Term Offered: All Terms
Course Type(s): CISEL
In-depth coverage of the crawler component of modern search engines. Examination of the architecture of crawlers; algorithms for visitation, retrieval and processing of Web pages, and link analysis (e.g., PageRank computation). Coverage of ethical and legal issues of customized Web robots. Students build automatic Internet crawlers.

CS-628   Security of E-Systems and Networks   **Credits: 3**
Prerequisite(s): CS-518 passed with a grade of B- or higher
Term Offered: All Terms
Course Type(s): CISEL
The fundamental techniques in security of e-based Systems and Computer Networks. E-based systems are ubiquitous in the modern world with applications spanning e-commerce, e-government, e-services, Virtual Private Networks (VPNs), health care, and government organizations. Deals with the fundamental concepts and tools of security of e-based systems and computer networks and its range of applications. The topics to be covered include: authentication of users, system integrity, confidentiality of communication, availability of business service, non-repudiation of transactions, public key cryptosystems, authentication and digital signature, e-security tools such as Public Key Infrastructure (PKI) systems, biometric-based security systems, trust management systems in communication networks, intrusion detection systems, protecting against malware, and computer network security risk management. Intended for graduate students in computer science, software engineering, and electrical engineering who have some background in computer networks and fundamentals of computer security.

CS-635   Wireless Network Systems and Security   **Credits: 3**
Prerequisite(s): CS-514 passed with a grade of B- or higher
Term Offered: All Terms
Course Type(s): CISEL
Fundamental techniques in the design, operation, performance evaluation, and security of wireless network systems. Among the topics covered are first, second, third, and fourth generation wireless systems, cellular wireless networks, medium access techniques, physical layer, protocols (AMPS, IS-95, IS-136, GSM, GPRS, EDGE, WCDMA, cdma2000, etc.), fixed wireless systems, personal area networks (PANs) including Bluetooth and Home RF systems, wireless local area network(WLAN) technologies, architectures, protocols, and standards, and advanced topics. Security of WLANs, wireless sensor networks (WSNs), cellular systems, and Bluetooth and Home RF networks will be dealt with as well. Intended for graduate students in computer science, software engineering, and electrical engineering who have some background in computer networks.

CS-661   Computer Science Advanced Project   **Credits: 3**
Term Offered: All Terms
Course Type(s): CISEL
A challenging project, such as the development of a large, complex program, done under the supervision of a faculty member.

CS-691   Computer Science Thesis I   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Independent investigation of special topics reflecting the research interests of the sponsoring professor. Provides students with an opportunity to do extended relevant research in collaboration with, or under the supervision of, a faculty member. Sequential registration of one or more credits is required until successful completion. (Minimum of six credits must be accumulated.) Completion of all foundation and core courses and departmental approval is required to take this course.

CS-692   Computer Science Thesis II   **Credits: 3**
Prerequisite(s): CS-691
Term Offered: All Terms
Course Type(s): None
Independent investigation of special topics reflecting the research interests of the sponsoring professor. Provides students with an opportunity to do extended relevant research in collaboration with, or under the supervision of, a faculty member. Sequential registration of one or more credits is required until successful completion. (Minimum of six credits must be accumulated.)

CS-698   Advanced Special Topics   **Credits: 3**
Prerequisite(s): CS-503 passed with a grade of B- or higher or as announced in the course schedule
Term Offered: All Terms
Course Type(s): CISEL
The advanced subject matter varies with the interest of the students and of the professor. The full syllabus for a specific offering will be filed with the STE and Graduate School Deans when it is scheduled. The exact nature of the topic covered in any given semester is indicated in the student's transcript.

CS-699   Independent Study in Computer Science   **Credits: 3**
Term Offered: All Terms
Course Type(s): CISEL
Independent study of a subject not substantially treated in a regular graduate course. Designed for students with superior abilities who, with guidance and direction from the supervising faculty member, can master a new subject. (Limited to students who have not yet taken CS-699.) A minimum G.P.A. of 3.50, completion of all foundation and core courses and departmental approval are required to take the course.

Criminal Justice (CJ)

CJ-CPE   Comprehensive Exam   **Credits: None**
Term Offered: All Terms
Course Type(s): None
Criminal Justice Comprehensive Exam. This is a pass/fail course.

CJ-500   Theories and Methods of Geographic Information Systems
                                                                Credits: 3
Term Offered: Fall Term
Course Type(s): None
This course provides students with a solid foundation in the theories and methods of Geographic Information Systems (GIS). Students gain knowledge of important applications, as well as acquisition, accuracy, formatting management, analysis, and manipulation of data. When students complete this course, they are expected to know what GIS is, what GIS can and cannot do, how data is stored, and how data in GIS is manipulated and analyzed to satisfy a project's goals.

CJ-502   Advanced Criminology   Credits: 3
Term Offered: All Terms
Course Type(s): None
Professionals interested in the criminal justice system require a foundation in the criminological theories that underlie criminal behavior and rehabilitation. Provides the student with an opportunity to study and critically evaluate prominent criminological theories presented in the readings and research. Lectures emphasize the role of psychological principles, theories of learning, techniques of counseling, and psychopathology in the context of criminological theory on rehabilitation programs and on policy development. Also serves as a context for other graduate courses that pertain to the prison system and institutional treatment of offenders.

CJ-510   The American Penal System   Credits: 3
Term Offered: All Terms
Course Type(s): None
Examines the history, philosophy, and organizational structure of correctional systems in the United States, analyzing the various models of incarceration as they relate to punishment and rehabilitation.

CJ-515   Institutional Treatment of the Offender   Credits: 3
Term Offered: All Terms
Course Type(s): None
Provides the theoretical framework for the understanding of criminal behavior and the strategies employed in providing treatment and support services to the inmate. Focuses on techniques designed to facilitate the development of alternative behaviors. Attention will be given to problems that are especially relevant to penal institutions, e.g. violence, racial discord, sexual assault, and theories of punishment.

CJ-525   Applied Data Analysis in Criminal Justice   Credits: 3
Term Offered: All Terms
Course Type(s): None
The examination, interpretation, and application of social statistical concepts in criminal justice; computerized data analysis techniques.

CJ-530   Criminal Justice Policy   Credits: 3
Term Offered: Spring Term
Course Type(s): None
The examination of opposing viewpoints on complex and sensitive issues in criminal justice. Emphasis on providing students with the ability to develop basic thinking skills and assisting students in evaluating sources of information.

CJ-535   Evaluation Strategies for Criminal Justice   Credits: 3
Term Offered: Spring Term
Course Type(s): None
Formulation of research problems and hypotheses; quantitative research designs; and data collection strategies; data analysis methods.

CJ-540   Spatial Analysis and Modeling in Geographic Information Systems   Credits: 3
Prerequisite(s): CJ-500
Term Offered: All Terms
Course Type(s): None
Focuses on methods of spatial analysis and various kinds of modeling within Geographic Information Systems (GIS). Included are such topics as: 3-D terrain visualization and analysis, location and network modeling, map algebra, and spatial statistics.

CJ-542   Computer Application in Criminal Justice   Credits: 3
Term Offered: All Terms
Course Type(s): None
Introduces computer basics, information system, and the Internet. Students will use several management-related applications, including spreadsheets, database, employee performance evaluations, and statistical analysis programs to develop an integrated database management system.

CJ-545   Seminar: Ethics, Law, and Society   Credits: 3
Term Offered: All Terms
Course Type(s): None
Probes ethical issues that arise throughout the criminal justice system. Students will examine the fundamental meaning of justice, explore approaches to moral reasoning, and investigate issues such as the use of discretion, capital punishment, prisoners' rights, and other ethics of criminal justice research.

CJ-550   Seminar: Police Administration   Credits: 3
Term Offered: All Terms
Course Type(s): None
Examines the tasks and roles of police administrators for effective and efficient police operations. Police organization, policies, and rules will be analyzed for their impact on the delivery of police services.

CJ-552   Computer Crime   Credits: 3
Term Offered: Fall Term
Course Type(s): None
Understanding the nature of computer crime and the basic principles of technology in order to provide a foundation for criminal investigation.

CJ-555   Criminal Procedure and the Constitution   Credits: 3
Term Offered: Fall Term
Course Type(s): None
A multidisciplinary examination of the major stages of the criminal process from arrest to trial. The course explores the effectiveness of criminal procedure, the Constitution, and the law in relationship to crime.

CJ-560   Seminar: Leadership and Management   Credits: 3
Term Offered: Spring Term
Course Type(s): None
Examines the role of leader or visionary in analyzing and improving organizational operations in the criminal justice system. Emphasis is on the ability to assess and solve the complex problems facing criminal justice in the twenty-first century.

CJ-562   Graduate Criminal Justice Internship   Credits: 3
Term Offered: All Terms
Course Type(s): None
Provides the student an opportunity to integrate academic theory with experiential learning. Each student will have an opportunity to focus on areas specific to his/her career objectives. Intern students will evaluate principles of the criminal justice system through on-site participation at an approved criminal justice agency. Executive writing opportunities will be an integral component of this course.

CJ-565   Comparative Criminal Justice Systems   Credits: 3
Term Offered: All Terms
Course Type(s): None
Compares and contrasts the main similarities and differences among the major criminal justice systems in the world, including the civil law, common law, socialist law, and Islamic law families.

CJ-572   Civil Rights and Liberties   Credits: 3
Term Offered: Spring Term
Course Type(s): None
An examination of the Bill of Rights in contemporary America. The seminar analyzes the conflicting group interests, which advise around issues such as freedom of speech and assembly, church-state relations, and equal treatment before the law for members of minority groups.

CJ-575   Professionalism in Criminal Justice   Credits: 3
Term Offered: All Terms
Course Type(s): None
An examination of major changes in politics, professionalism, and public order in society. Emphasis is on policing, criminal justice education, corrections, and jail management issues and examining the progress of, and obstacles to, improving training and split-second decision making.

CJ-595   Geographic Information Systems, Crime Mapping, and Analysis
                                                           Credits: 3
Prerequisite(s): CJ-500
Term Offered: Spring Term
Course Type(s): None
Incorporates Geographic Information Systems (GIS) into criminal justice by including the use of crime mapping and analysis in problem solving. Takes a hands-on approach to many of the issues a criminal justice manager, officer, or crime analyst will face in pursuit of his/her work. Facilitates students' understanding of GIS and crime mapping theories, principles, concepts, and the software. Upon completion of the course, students will have developed two projects as part of their portfolio: one in crime mapping implementation and one in project design and analysis within their particular topic of study.

CJ-598   Special Topics in Criminal Justice   Credits: 1-3
Term Offered: Spring Term
Course Type(s): None
Subject matter varies with the interest of the students and the professor. The exact nature of the topic covered in any given semester is indicated in the student's transcript. Permission of the program director is required. If a prerequisite is required it will be announced in the course schedule.

CJ-599   Independent Study in Criminal Justice   Credits: 3
Term Offered: All Terms
Course Type(s): None
Development and execution of a relevant reading and research project leading to significant written work designed by the student in consultation with the professor. The subject chosen for study should be related with any area of Criminal Justice of special interest for the student. Students applying for this course must demonstrate their knowledge of research techniques and their abilities to apply them to the specific area of studies chosen. It is also required that the student should be able to present the results of his/her research in appropriate written and oral form. Prior permission of the directing instructor and department chair is required to take this course.

CJ-615   Terrorism: Crisis and Trauma   Credits: 3
Term Offered: All Terms
Course Type(s): None
Explore the psychological impact of terrorism, including psychiatric disorders, physiological changes, and social/family disruption. Strategies and techniques for identifying trauma and skill for intervention will be discussed.

CJ-621   Fundamentals of Intelligence Analysis   Credits: 3
Term Offered: All Terms
Course Type(s): HY
This course ranges in complexity by first providing students with an understanding of the history of intelligence in the criminal justice and security fields before moving toward familiarizing students with the various types of analyses that intelligence analysts engage in. Students will be able to understand the fundamentals of intelligence analysis and be appropriately educated in accordance with the International Association of Law Enforcement Intelligence Analysts (IALEIA) criteria and the 2012 Law Enforcement Analytic Standards promulgated by Global and IALEIA. This course will develop the student abilities to better understand the role of intelligence in public safety and develop analytic products that interpret the operating environment and make recommendations to improve overall public safety within government and private sectors throughout the United States and abroad.

CJ-622   Advanced Issues in Intelligence   Credits: 3
Prerequisite(s): CJ-621
Term Offered: All Terms
Course Type(s): HY
This course provides students studying the intelligence field a deeper knowledge of the issues that may be facing the intelligence community. This course ranges in complexity from orientation-type instruction on successes and failures in intelligence through history to various types of analysis on concepts like intelligence - led policing, how to share information, how to maintain appropriate and successful partnerships across agencies, how individuals are radicalized and recruited into gangs or groups, transnational issues, how to "follow money" or conduct financial analysis, how the enemy uses denial and deception techniques to gain an upper hand, how to appropriately craft a wide array of intelligence products and properly security them, as well as exposure to prediction methods and open source analysis. This course will teach and guide students on how to make recommendations to senior leaders relating to analytical findings.

CJ-625   Terroristic Crime Scene Investigation   Credits: 3
Term Offered: Fall Term
Course Type(s): None
Utilizing modern investigative technology in terroristic crime scenes; specialized evidence collection; role of crime scene manager.

CJ-635   Weapons of Mass Destruction   Credits: 3
Term Offered: All Terms
Course Type(s): None
Focus on the practical and theoretical aspects of preparing for, and dealing with, incidents involving weapons of mass destruction. Discussion on the various devices and the means of delivering damage. Analysis of the intelligence approaches to reduce such an event.

CJ-636   Structured Analytic Techniques   **Credits: 3**
Prerequisite(s): CJ-621 and CJ-622
Term Offered: All Terms
Course Type(s): HY
This course will provide students who are interested in studying the intelligence field and who already have an understanding of the fundamentals and competencies of intelligence analysts with the knowledge and skills to incorporate Structured Analytic Skills into their daily analysis to support their methodologies and assessments. This course will also describe the different types of flaws and biases in thinking, as well as the different types of problems, how to solve them, and the amount of facts or judgments that are required. This course ranges in complexity from orientation-type instruction on the ways that biases and fallacies can impact analysis to an understanding of the many different techniques that can be applied to problems that intelligence analysts must address in their work. Prerequisites for this course include both CJ-621 and CJ-622 to ensure that students clearly understand the need for intelligence, how to gathering and analyze intelligence, and that they are familiar with the methods by which intelligence information is disseminated via briefings and reports.

CJ-650   Cyberterrorism   **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Explores how new technology throughout the world has contributed to terroristic crimes and how information and communication technology (ICT) has become a tool, a target, and a place of criminal activity threatening national security. Topics of study include: the information environment as crime scene, computer use in crimes, political terrorism, hacking, unauthorized access, and identity theft.

CJ-662   Psychopathology of Crime and Terrorism   **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
Discusses the psychology of criminal behavior and the development of the terrorist. Provides students with an in-depth examination of the psychological consequences of terrorism on a community and the impact of criminal behavior on a victim. Students will be exposed to the neurobiology of fear including predicators of maladaptive/pathological response, and the biological correlates of criminal behavior. Also listed as HLS-662.

CJ-691   Criminal Justice Thesis I   **Credits: 3**
Prerequisite(s): CJ-502, CJ-525, CJ-530, and CJ-542
Co-requisite(s): CJ-535
Term Offered: All Terms
Course Type(s): None
Independent investigation of special topics reflecting the research interests of the sponsoring professor.

CJ-692   Criminal Justice Thesis II   **Credits: 3**
Prerequisite(s): CJ-691
Term Offered: Spring Term
Course Type(s): None
Independent investigation of special topics reflecting the research interests of the sponsoring professor.

CJ-695   Knowledge into Practice: Criminal Justice Capstone Course   **Credits: 3**
Prerequisite(s): CJ-525 and CJ-535
Term Offered: All Terms
Course Type(s): None
This course represents a synthesis and evaluation of Monmouth University's Masters in Criminal Justice Goals and Objectives, which require students to: (1) engage in critical analysis and evaluation in the field, (2) become knowledgeable consumers of research; (3) learn the importance of technology in the field; (4) will develop the communication skills necessary to excel in the field; and (5) actively contribute to the field. To do so, student will prepare an evidence-based research paper that applies the core curriculum functions and competencies to a related criminal justice issue. Additionally, this course substantively addresses the six content areas required for certification by the Academy of Criminal Justice Sciences (ACJS,2016), which include: administration of justice, corrections, criminological theory, law adjudication, law enforcement, and research and analytic methods.

CJ-699   Independent Study in Criminal Justice   **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
Development and execution of a relevant reading and research project leading to significant written work designed by the student in consultation with the professor. The subject chosen for study should be related with any area of Criminal Justice of special interest for the student. Students applying for this course must demonstrate their knowledge of research techniques and their abilities to apply them to the specific area of studies chosen. It is also required that the student should be able to present the results of his/her research in appropriate written and oral form. Prior permission of the directing professor and department chair is required to take this course.

Education (ED)

ED-EDTPAGR   Education Preparation Voucher Fee for Graduate Students   **Credits: None**
Term Offered: All Terms
Course Type(s): None
Education Preparation Voucher Fee for Graduate Students.

ED-507   Issues and Problems in Education   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Major issues and problems affecting education are presented with historical perspectives for understanding the context in which these concerns arose.

ED-510   Psychological and Philosophical Foundations of Teaching   **Credits: 3**
Term Offered: All Terms
Course Type(s): EDFOU
An introduction to education in the United States. Principles and practice for instructional delivery, including curriculum planning, assessment, procedures, instructional technology, culturally and linguistically diverse students, diverse learning needs, classroom management, core curriculum standards, and school organization, are presented. The history of education and philosophical, political, psychological, and social perspectives related to educational practice are explored. Contemporary issues and controversies in American education are highlighted. Clinical experience hours required.

ED-524   Research in Teaching Practice   **Credits: 3**
Term Offered: All Terms
Course Type(s): MAT
Research in education related to contemporary teaching practice will be emphasized. Introduction to qualitative and quantitative approaches from different theoretical perspectives is presented. Content will include: literature reviews, analysis and implication of existing research, classroom observation skills, and the role of the teacher as reflective practitioner. For Education majors only.

ED-528   Middle Level Learning and Teaching   **Credits: 3**
Prerequisite(s): ED-510 and ED-550
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 that are structured for the diverse students that we encounter in our public schools and to create and implement learning experiences that effectively promote academic achievement and personal growth for all middle grade students. Clinical hours required.

ED-529   Content Literacy   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Designed to focus on the development of literacy through the integration of literature and literate thinking across the curriculum for academic-content learning at the secondary level. It emphasizes the implementation of both teaching and learning strategies to develop independent learners. The course includes research-based pedagogical strategies for teaching linguistically diverse students, students with diverse learning needs, and incorporating instructional technology into the classroom. Clinical Practice is required. Limited to Education majors.

ED-533   Contemporary Issues in Science Education   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Examines current topics of special interest in science content and curriculum to a variety of students. Can be designed individually, based on strengths of students and their interest in personal professional development in an area of concentration in science curriculum. Valuable for practicing teachers at the elementary, middle, or high school level and/or those who wish to learn more about science teaching and content.

ED-536   Applied Linguistics for Language Teaching   **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.

ED-537   Science and Society in the Twenty-First Century **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Examines the developments in science knowledge and their impact on society over the last century and predicts changes that might occur in the twenty-first century. We are the only species on earth that has the power to change our environment and the ability to comprehend the universe. Students will explore major scientific advances over the past 100 years and the resulting problems that these advances have wrought. Valuable for practicing teachers at the elementary, middle, or high school level and/or those who wish to learn more about the history and sociology of science.

ED-550   Teaching English Language Learners in Mainstream Classroom
                                                            Credits: 3
Prerequisite(s): ED-510
Term Offered: All Terms
Course Type(s): MAT, SJEDU
Offered to address issues and research-based pedagogical strategies of teaching English language learners in today's mainstream classrooms. Teacher candidates will explore a variety of instructional strategies and develop cultural knowledge and its application in teaching English language learners. The course also includes incorporating instructional technology into the classroom, and utilizing data to inform instruction.

ED-552   Child and Adolescent Development   **Credits: 3**
Term Offered: All Terms
Course Type(s): EDFOU
Provides an introduction to the field of human development. The content covers the major concepts and theories of child and adolescent growth and developmental from the prenatal period through the teenage years. The purpose of the course is to discuss the historical, cultural, and philosophical groundings of the concepts and practices of children's learning and development and to promote the student's critical thinking skills with respect to those concepts. Through research, educational activities, and observations the course is designed to provide students a framework for promoting a holistic view of development and learning in infants, children, and adolescence, while considering how to nurture diversity and equity. This course includes utilizing data to inform instruction. For Education majors only.

ED-554   Supplemental Instruction in Reading and Mathematics
                                                            Credits: 3
Prerequisite(s): ED-556 and EDL-575
Term Offered: All Terms
Course Type(s): MAT
Focuses on supplemental instruction for reading and mathematics in educational settings from grades 6-8 but draws heavily on assessment and analysis of student errors from Pre-K to grade five as well. Extensive opportunities for diagnosis and planning for remedial intervention in reading and mathematics will be provided.

ED-556   Teaching Elementary Mathematics   **Credits: 3**
Prerequisite(s): ED-510, ED-550, and ED-552
Term Offered: All Terms
Course Type(s): None
ED 556 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-562   Methods of Teaching Science at the Elementary Level   Credits: 3
Prerequisite(s): ED-510, ED-550, and ED-552
Term Offered: All Terms
Course Type(s): None
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. Education majors only.

ED-563   Assessment and Treatment of Literacy Problems   **Credits: 3**
Prerequisite(s): EDL-503
Term Offered: All Terms
Course Type(s): None
Focus is on authentic assessment and corrective teaching strategies to address literacy problems from a developmental perspective. Techniques and methods for at-risk learners will be emphasized. Strategies that guide students to self-monitor their literacy acquisition will be addressed.

ED-564   Secondary Mathematics Methods, Part I   **Credits: 3**
Prerequisite(s): ED-510, ED-550, and ED-552 and a minimum G.P.A. of 3.00
Term Offered: Fall Term
Course Type(s): None
Focus is 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. The fieldwork component of the course requires clinical practice hours in a secondary public school mathematics classroom and provides candidates with opportunities to translate theory into practice. "Clinical practice hours required."

ED-565   Secondary Mathematics Methods Part II   **Credits: 3**
Prerequisite(s): ED-564 and a minimum G.P.A. of 3.00
Term Offered: Fall Term
Course Type(s): None
The second course in a sequence 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 instruction. 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. The fieldwork component of the course requires clinical practice hours in a secondary public school mathematics classroom and provides candidates with opportunities to translate theory into practice. Clinical practice hours required.

ED-566   Methods of Teaching Science at the Secondary Level I   Credits: 3
Prerequisite(s): ED-510, ED-550, and ED-552
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 Core Curriculum Content Standards for science, this course will utilize projects, cases, and problems in real work 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.

ED-567   Methods of Teaching Science at the Secondary Level II

Credits: 3

Prerequisite(s): ED-566
Term Offered: Fall Term
Course Type(s): None
Science methods for initial M.A.T. students at the secondary level is designed for those with a strong background in science. The intent of this course is to 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. This 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-576   Teaching Social Studies at the Elementary Level   Credits: 3
Prerequisite(s): ED-510, ED-550, and ED-552
Term Offered: All Terms
Course Type(s): None
Introduces the P-8 teacher certification candidates to the social studies curriculum and methods. Emphasizes national and state standards for social studies education, cross-cultural integration, particularly world languages and culture, personal and social problem solving, situated cognition in social studies education learning. The essential elements of planning, instruction using technology, and assessment are explored to address the needs of culturally and linguistically diverse learners in social studies education. Clinical Practice is required. Education majors only.

ED-578   Methods of Teaching English at the Secondary Level   Credits: 3
Prerequisite(s): ED-510, ED-550, and ED-552
Term Offered: Fall Term
Course Type(s): None
As a component of the teach-education program, the intention is to introduce to future secondary English/Language Arts teachers the fundamental concepts of curriculum design and instructional planning. To also introduce a variety of approaches to curriculum design with an emphasis on the two distinct but important goals of language arts education: developing general literacy skills and discovering the inner joy of reading literature and using language as a tool for communication. Topics related to decision-making, classroom management, and instructional planning are treated in depth to help prospective teachers master the base competencies at the level of planning to fulfill the requirement for state and national certification. The course includes research-based pedagogical strategies for utilizing data to inform instruction. Education majors only.

ED-579   Teaching Social Studies and Cultural Education at the Secondary Level

Credits: 3

Prerequisite(s): ED-510, ED-550, and ED-552
Term Offered: Fall Term
Course Type(s): None
Introduces the middle-and secondary-level teacher certification candidate to social studies curriculum and methods. Emphasizes national and state standards for social studies education curriculum across the traditional social science disciplines. The course will also explore the philosophical and theoretical foundations of social studies education. It provides the candidates with practical strategies necessary for success in teaching culturally and linguistically diverse students and students with diverse learning needs, utilizing instructional technology, and using research and data to assess and inform instruction in the context of social studies. Education majors only.

ED-580   Secondary Social Studies Education Part II   Credits: 3
Prerequisite(s): ED-579
Term Offered: Fall Term
Course Type(s): None
Expands and further develops competencies covered in Part I. Instructional methodologies focusing on a constructivist and student-centered approach, using instructional technology, will be explored. Targets strategies for future secondary teachers to teach culturally and linguistically diverse students and students with diverse learning needs and to meet the New Jersey Core Curriculum Content Standards for Social Studies to include: infusing Economics and Geography into the curriculum, developing greater technology coalescence, extending cross-curriculum lesson plans, embracing a pluralistic approach, and expanding multicultural themes. Course design will foster the development of effective inquiry-based curriculum activities making active use of community-based resources and using research and assessment data to inform instruction in the context of social studies. Clinical Practice hours required.

ED-582   World Language Education   Credits: 3
Prerequisite(s): ED-529, ED-550, and FO-599
Term Offered: Fall Term
Course Type(s): None
Issues and practices in world language education. Fieldwork is required.

ED-583   Theories and Practice of ESL Instruction Part I   Credits: 3
Prerequisite(s): ED-529, ED-550, and EN-563
Term Offered: All Terms
Course Type(s): MAT
With an emphasis on teaching English as a Second Language through content, Part I of this two-semester course will introduce the history of ESL teaching and critically explores 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.

ED-584   Theories and Practice of ESL Instruction Part II   **Credits: 3**
Prerequisite(s): ED-583
Term Offered: All Terms
Course Type(s): None
A continuation of ED-583, this course 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 standards-based content and ESL teaching program. Reflective practice is an integral part of this course. Limited to Education majors only. Clinical hours required.

ED-585   Methods of Teaching English at the Secondary Level Part II
Credits: 3
Prerequisite(s): ED-578
Term Offered: Fall Term
Course Type(s): None
A continuation of ED-578: Methods of Teaching English at the Secondary Level Part I. Part II 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 practice in the use of print and non-print texts and in the integration of the English Language Arts through clinical practice. The NCTE/ILA and the New Jersey Core Content Curriculum Standards will be an integral part of the course. The course includes research-based pedagogical strategies for teaching students with diverse needs, incorporating instructional technology into the classroom, and utilizing data to inform instruction. Clinical practice is required.

ED-586   Bilingual Education: Theories and Practices   **Credits: 3**
Prerequisite(s): ED-583
Term Offered: All Terms
Course Type(s): None
Emphasis on teaching content in bilingual/bicultural education, an understanding of bilingual development and available dual- language program models for language and literacy development. How bilingual/bicultural programs based on community needs can be developed, implemented, and assessed will be explored with the embedded theories and research studies in bilingual/bicultural education carefully examined. Clinical experience hours required.

ED-587   Integrated Methods in K-12 Education   **Credits: 3**
Prerequisite(s): ED-510, ED-550, and ED-552 and a minimum G.P.A. of 3.00
Term Offered: Fall Term
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 utilization data to inform instruction. Education majors only. Clinical Practice hours required.

ED-593   Clinical Practice   **Credits: 9**
Co-requisite(s): ED-EDTPAGR
Term Offered: All Terms
Course Type(s): None
This full-time, full-semester clinical practice in a school setting required 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. Permission of the MAT director is required to register.

ED-594   Supervised Clinical Practice   **Credits: 9**
Co-requisite(s): ED-EDTPA
Term Offered: All Terms
Course Type(s): None
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. Permission of the MAT director is required to register.

ED-596   Methods of Teaching Elementary Physical Education and Health
Credits: 3
Prerequisite(s): ED-510, ED-550, and EDS-500 and a minimum G.P.A. of 3.00
Term Offered: All Terms
Course Type(s): None
Focuses 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-597   Methods of Teaching Secondary Physical Education and Health   **Credits: 3**

Prerequisite(s): ED-510, ED-550, and EDS-550 and a minimum G.P.A. of 3.00
Term Offered: All Terms
Course Type(s): None
Focuses 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 6th-12th 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.

ED-598   Special Topics in Education   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
The subject matter varies with the interest of the students and the professor teaching the course. The exact nature of the topic covered in any given semester is indicated in the student's transcript. Permission of the program director is required. If a prerequisite is required it will be announced in the course schedule.

ED-599   Independent Study in Education   **Credits: 1-3**
Term Offered: All Terms
Course Type(s): MAT
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-606   Diversity in Education   **Credits: 3**
Term Offered: All Terms
Course Type(s): MAT, SJEDU
In this course, students will explore the field of multicultural education. The nature of the school as a social system will be analyzed and the diversities of various cultures, communities, and ways of thinking will be examined. 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 research-based pedagogical strategies for teaching culturally and linguistically diverse students, incorporating instructional technology into the classroom and utilizing data to inform instruction. Education majors only.

ED-608   Curriculum in the Classroom   **Credits: 3**
Term Offered: All Terms
Course Type(s): EDCUR
Today's practitioners must strike a balance between state and national curriculum standards and the needs and expectations of their own classroom. Candidates will examine various facets of curriculum specific to their professional environment.

ED-610   Education in a Democratic Society   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Critical examination of ideas, purposes, and aims of schooling in historical and cultural contexts; explores ethical and research issues related to teaching and learning in ways that enhance democratic practices.

ED-612   Teacher Leadership   **Credits: 3**
Term Offered: All Terms
Course Type(s): EDCUR
This course is designed to provide an examination of teacher leadership as an opportunity for distributed, school- and district-wide leadership. The course will allow teachers opportunities to develop their own practice and the practices of their colleagues through an understanding of how to use the various leadership lenses of organizational design, strategic decision-making, interpersonal relationships, instructional leadership, and both adaptive and motivational approaches to guiding educators as a teacher to inform the school-improvement work of professional learning communities and job-embedded professional development.

ED-616   Fundamentals of Curriculum Studies   **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
The emergence of the field from the early twentieth century. Surveys the foundations of the field of curriculum studies at large, examines the standardization movement of the institutional curriculum and culminates in a critical examination of No Child Left Behind (NCLB). Candidates will consider the importance of study tied to socially responsive curricular design.

ED-618   Survey of Curricular Paradigms   **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Provides an examination of the field of Curriculum Studies through the lens of key paradigms and perspectives.

ED-620   Philosophy and Curriculum   **Credits: 3**
Term Offered: Summer Term
Course Type(s): None
Serves to extend the examination of the evolution and current conditions of the field of curriculum studies initiated in fundamentals of curriculum studies. Introduces the work of core philosophies that inform contemporary curriculum work and encourage participants' analysis of various influential voices in the field. Primary goals are to engage in critical discussions about the work of various philosophers who have influenced the field of curriculum studies and conceptualize connections between those works and our daily practice in the field.

ED-624   Research in Teaching Practice   **Credits: 3**
Term Offered: All Terms
Course Type(s): EDRES
Research in education related to contemporary teaching practice will be emphasized. Introduction to qualitative and quantitative approaches from different theoretical perspectives is presented. Content will include literature reviews, analysis and implication of existing research, classroom observation skills and the role of the teacher as reflective practitioner.

ED-626   Assessment Practice Now and When   **Credits: 3**
Term Offered: All Terms
Course Type(s): EDAST
Theory and practice of educational testing, development of and use of tests and alternative forms of assessment, analysis and interpretation of assessment results to monitor student progress, inform instruction, evaluate student achievement, and evaluate programs. Emphasis is placed on alternative and authentic forms of assessment that complement and support the standardized testing system. Through examination of techniques and strategies that characterize quality assessment, students will develop a philosophy of assessment supportive of classroom evaluation and understanding that fosters student growth and learning.

ED-630   Research in Curriculum Studies   **Credits: 3**
Prerequisite(s): ED-624
Term Offered: Spring Term
Course Type(s): None
The possession of effective research skills is an integral and necessary proficiency for success in the field of Curriculum Studies. Candidates will engage in the exploration of both qualitative and quantitative research methodologies. They will then design an investigation, apply for Institutional Research Board approval, and conduct a study relevant to their professional milieu and the field.

ED-632   Classroom Technologies and Educational Media   **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Emphasis on commercially available computer software; analysis and evaluation of software design and documentation. Continuation of children's programming languages and word processing. Access to a microcomputer provided.

ED-645   Theories and Practice of ESL Instruction   **Credits: 6**
Term Offered: All Terms
Course Type(s): None
With an emphasis on teaching English through content, 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 strategies and assessment measures will be introduced and practiced. Both instructional design and implementation will be the focus for practice with the embedded language acquisition/learning theories and research studies carefully examined.

ED-658   Advanced Curriculum Studies   **Credits: 3**
Term Offered: All Terms
Course Type(s): EDCUR
A comprehensive study of the theory and practice of designing, evaluating, and implementing valid and effective P-12 curricula.

ED-670   Qualitative Research: Principles and Practices   **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
An introduction to the methods of qualitative research. A reading-based discussion/seminar focusing on methodological issues and an exploration of the variety of methods used in executing qualitative studies. Offers students a theoretical foundation for this form of inquiry and an opportunity to engage in research. Applicable to a variety of social inquiry disciplines.

ED-680   Advanced Professional Development Seminar for Teachers   **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
This capstone seminar will support candidates for the degree in producing electronic portfolios, teacher research plans for teaching improvement, presentation of research, and self-reflection for future professional growth.

ED-698   Special Topics in Curriculum and Instruction   **Credits: 3**
Term Offered: All Terms
Course Type(s): EDCUR
The subject matter varies with the interest of the candidates and the professor teaching the course. The exact nature of the topic covered in any given semester is indicated on the candidate's transcript. The course curriculum will include a variety of readings, as well as a research-based summative course assessment. Permission of the program director is required to take this course.

ED-699   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. Prior permission of the directing professor and department chair is required to take this course. Application must be filed before registration.

ED-821   Teaching and Learning Theory Practice   **Credits: 3**
Prerequisite(s): OTDP-705
Term Offered: All Terms
Course Type(s): OL
A study of human learning and cognitive organization and process. The content will provide an overview of the development of learning theory and cognitive models since the beginning of the scientific study of human learning and mental processes. It is designed to introduce both the new instructors and the experienced instructor to the learner and the learning process as negotiated within a classroom. The roles of educators and students in the learning process and the impact of the interactive classroom environment on learning are examined. Major theories concerning the learning process and their implications for the instructional process are investigated.

ED-822 Instructional Design, Strategies and Delivery Methods Credits: 3
Prerequisite(s): ED-821
Term Offered: All Terms
Course Type(s): OL
Designed to create a framework for your understanding of instructional strategies and their effective application in a classroom. The course is based and links to previously acquired knowledge in learning theories and evidence-based teaching. Students will learn about various instructional strategies to enhance interdisciplinary learning experiences in health professions education. Instructional methods will include such collaborative educational models as small and large group teaching, team-based, interactive and experiential case-based learning. Techniques will include the use of simulations as well as teaching at the bedside with a focus on educator behaviors that stimulate achievement of learners. With an appreciated of the diversity of the student body, participants will effectively integrate and apply technology into instruction to develop and deliver health professions curricula including web-based teaching environments, content management systems, collaborative project development, and interactive media with an emphasis on instructional design advancements which affect the learning environment. Evidence of participants' knowledge and application of course topics will be captured in a professional portfolio.

ED-823   Online Learning: Culture and Theory   Credits: 3
Prerequisite(s): ED-822
Term Offered: All Terms
Course Type(s): OL
Designed to give adult educators a robust overview of theory-based techniques for teaching online or technology-enhanced courses. The course covers all aspects of online for teaching and reviews the latest research in cognitive processing and related learning outcomes while retaining a focus on the practical. A simple framework of instructional strategies mapped across a four-phase timeline provides a concrete starting point for both new online teachers and experienced teachers designing or revamping an online course. Essential technologies are explored in their basic and expanded forms, and traditional pedagogy serves as the foundation for tips and practices customized for online learning. The tips cover course management, social presence, community building, integration of new technologies, discussion and questioning techniques, assessment, and debriefing, along with new coverage of intensive or accelerated courses, customizing learning strategies, developing expertise, advanced course design, and assessment techniques.

Education Educational Counseling (EDC)

EDC-CPE   Counseling Preparatory Comprehensive Examination
Credits: None

Term Offered: All Terms
Course Type(s): None
A comprehensive examination to demonstrate the knowledge of counseling in terms of CACREP professional standards of 1) Human Growth and Development, 2) Social and Cultural Foundations, 3) Helping Relationship, 4) Group Work, 5) Career and Lifestyle Development, 6) Appraisal, 7) Research and Program Evaluation, and 8) Professional Orientation and Ethics. Must be taken during Internship 1 and 2. This is a pass/fail course.

EDC-500   Introduction to Professional Counseling   Credits: 3
Term Offered: All Terms
Course Type(s): None
Designed as an introduction to the counseling profession with an emphasis on school counseling and student affairs. Traces the history of the school counseling profession, exposes the student to theoretical positions and approaches of counselors, orients the student to an initial understanding of legal and ethical obligations, prepares the student for school counseling, student affairs and the culture of schools and university, differentiates school counseling and student affairs from other counseling specialties and other school professionals, and provides the basis for continued studies in the counseling program.

EDC-501   Introduction to College Student Development and Student Affairs   Credits: 3
Term Offered: Fall Term
Course Type(s): None
A foundational overview of the theory and practice of student affairs administration and college counseling with an emphasis on educating emerging professionals to facilitate development in postsecondary students and environments within higher education. This course will focus on college student development theory and developing supportive frameworks necessary to promote student success.

EDC-505   Counseling and Ethical Practice   Credits: 3
Term Offered: All Terms
Course Type(s): None
An intensive introduction to counseling skills and ethical principles within the school/university environment. Skills in counseling responses, feedback, goal setting, termination and follow-up are practiced in a clinical setting. Integration of ethical and legal procedures into school counseling/student affairs practice with children, families, and young adults is emphasized. A combination of theory and practice through role-play, videotape practice, and supervisory feedback.

EDC-510   Human Growth and Development   Credits: 3
Term Offered: All Terms
Course Type(s): None
A study of principles and concepts of cognitive, personality, and social development from conception through death. An overview of empirical research and theoretical frameworks used in the study of life-span human development with a special emphasis on school-age and young adult populations. Uses both lecture and seminar formats. Students should be able to discuss the major theoretical questions involved in the study of life span development, as well as be able to discuss current findings in the areas of social, cognitive, personality, and moral development and the implications for student success in school and throughout the life span.

EDC-515   Risk and Resiliency in Children and Adolescents   Credits: 3
Term Offered: Summer Term
Course Type(s): None
Examines the developmental trajectory for at-risk children and adolescents and factors that promote resilience. Thoroughly examines the etiology of alcohol and drug abuse. Factors that contribute to school failure and success will also be addressed. Candidates will be able to identify risk (e.g. poverty, disabilities, child maltreatment, etc.) and protective factors and identify interventions that promote positive developmental outcomes.

EDC-517   Community Mental Health   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
An overview of mental health counseling within community and health/human services settings. Reviews prevention, intervention, and needs assessment, as well as program implementation and evaluation, in a comprehensive way. Client advocacy, governmental policies, obtaining funding, and other aspects of the delivery of human services are explored, with particular focus on the management and ethical standards of all administrative and clinical counseling services related to mental health programs.

EDC-520   Advanced Topics in Race and Racism   **Credits: 3**
Prerequisite(s): EDC-535
Term Offered: All Terms
Course Type(s): None
Targets advanced topics in race and racism. More specifically, the course will progress through discussions and education about the history of race and related racism in the United States; current systemic racial inequities; personal and societal racism and its impacts on People of Color and Whites; White cultural norms and related power and privilege; White ethnicity and its relation to race and racism, and; skill building in antiracist advocacy for counselors. This is a pass/fail course.

EDC-525   Assessment for Counseling   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Covers the theories and practice of selection, administration, and interpretation of various instruments used in school and university settings to measure achievement, intelligence, aptitude, and ability with an overview of the ethical and legal use of these instruments. Statistics necessary to understand test data will be examined as well as strategies necessary to communicate test results to clients, parents, adults, and school personnel. Part theory and part skill laboratory where students will practice the administration of various educational instruments.

EDC-530   Counseling Theory and Practice   **Credits: 3**
Prerequisite(s): EDC-500
Term Offered: All Terms
Course Type(s): None
Explores the major counseling theories and related techniques with emphasis on translating counseling theory into effective practice with children, adolescents, adults, and families in schools and universities. Special attention is given to experiential analysis and the demonstration of effective school counseling skills using the various theoretical modalities. Part theory and part counseling skills laboratory with intensive role-play, discussion and feedback.

EDC-535   Diversity and Social Justice   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Experiential and clinical opportunities to become multiculturally competent school/university counselors as well as to understand students and their families within their unique cultural, historical, and ethnic contexts. Emphasis is placed on individual, group and systemic counseling models and interventions to promote multicultural sensitivity, diversity, equity, and access for all students. Extensive personal development experiences, role-play, and Triad Model practice are provided.

EDC-540   Group Counseling   **Credits: 3**
Prerequisite(s): EDC-500, EDC-505, and EDC-530
Term Offered: All Terms
Course Type(s): None
Designed to provide an overview of the basic process, dynamics, theoretical components, and developmental aspects of group counseling. It encompasses an increase in counselor skills, group leadership and facilitation. Emphasis is placed on understanding the diversity of students and their families. Combines the use of lectures, discussion, experiential exercises, readings, and journaling to advance students' knowledge and skills in group counseling. Emphasis on working with diverse groups is also integrated into the course. Students will explore group leader and member roles through participation in various group situations.

EDC-541   Leadership and Administration of Campus Environments
                                                          Credits: 3
Term Offered: All Terms
Course Type(s): None
A complete overview of administration, organization and governance models of American higher education institutions. Through gaining a conceptual understanding of the college and university campus as an environment, this course will focus on leadership and social justice systems approaches necessary to facilitate a culture to promote the retention and persistence of postsecondary students within campus environments.

EDC-545   Career Development and Counseling   **Credits: 3**
Prerequisite(s): EDC-500, EDC-505 and EDC-530
Term Offered: All Terms
Course Type(s): None
Designed to explore career counseling, development theory, and practices with consideration for life roles, diversity issues, and nontraditional careers within the context of school and university settings. Theories, models, techniques, and resources including consultation relevant to decision making, assessment, career planning, and placement are addressed with attention to computer-based applications and Internet resources. Education majors only.

EDC-550   Counseling At-Risk Children and Families   **Credits: 3**
Prerequisite(s): EDC-500, EDC-505, and EDC-530
Term Offered: All Terms
Course Type(s): None
Counseling, intervention, and referral techniques for at-risk children, adolescents and their families with intensive practice in family counseling and crisis intervention skills. Family theory and applications for practical skills in the school environment are emphasized through various experiential learning activities. The school counselor's role as an advocate and direct service provider for students and their families with multiple risk factors is emphasized.

EDC-555   School Counseling Program Planning and Consultation
                                                          Credits: 3
Prerequisite(s): EDC-500, EDC-505, and EDC-530
Term Offered: All Terms
Course Type(s): None
A comprehensive data-driven overview of the theory and practice for designing, implementing, and evaluating a comprehensive school counseling program P-12. Consultation within a school setting will be emphasized in this course. Multidimensional approaches will be studied, including school-based consultation, case consultation, systems consultation, and consultation with a school counseling program. Empirical research will be utilized in conjunction with school counseling programs based on national standards.

EDC-560   Consultation Procedures for Counseling   **Credits: 3**
Prerequisite(s): EDC-500, EDC-505, and EDC-530
Term Offered: All Terms
Course Type(s): None
Explores foundational concepts, theories, and models fundamental to school-based practices. Multidimensional approaches will be studied, including school-based consultation, case consultation, systems consultation, and consultation with a school counseling program. Consultation procedures are emphasized as a central part of the school counselor competencies in a multicultural environment. Includes consultation case conceptualization, role play, clinical demonstrations, reflections, and course projects.

EDC-565   Supervision of Counselors   **Credits: 3**
Term Offered: Summer Term
Course Type(s): None
Explore current foundational concepts, theories, and models fundamental to the administration of supervision of school counselors, and student service professionals within an educational environment. Multidimensional approaches to clinical supervision will be addressed using supervision models, including practical experience for counseling professionals who have responsibility directing the personal and professional development of school counselors. Critical analysis of theories of counselor supervision, techniques associated with theories, and assessment of supervision models will be examined. Also explores the benefits and shortcomings of individual versus group supervision, with particular focus on characteristics that make for a competent supervisor and effective supervisory relationships. Further explores the role of both supervisor and supervisee, ethical and legal considerations, evaluative criteria, cultural and gender issues, research and social justice.

EDC-570   Alcohol and Drug Abuse Programs and Services   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
A comprehensive study of alcohol and drug programs and services in the school and community including research-based prevention and intervention programs, chemical health curricula, policy, and staff development. Emphasis on the role of the substance awareness coordinator in organizing and coordinating intervention and referral services and multidisciplinary intervention teams.

EDC-575   Alcohol and Drug Assessment and Counseling   **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
A comprehensive approach to assessment and treatment planning with alcohol and drug-affected students, including the intake interview, clinical assessment, and administration and interpretation of formal and informal instruments. Attention is given to the roles of the substance awareness coordinator and the counselor in assessment, referral, and intervention.

EDC-580   Behavioral Issues in Counseling   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Designed to explore the contemporary behavioral issues that affect preschool through university level students and their families. Emphasis will be placed on a comprehensive understanding of commonly encountered behavioral issues such as ADD/ADHD, Persuasive Development Disorders, and Mood Disorders. Students will learn the process of identification, assessment, intervention, and follow-up of working with students with such issues.

EDC-598   Special Topics in Educational Counseling   **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
The subject matter varies with the interest of the students and the professor. The exact nature of the topic covered in any given semester is indicated on the student's transcript. If a prerequisite is required it will be announced in the course schedule.

EDC-599   Independent Study in Educational Counseling   **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 a counseling 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 class. Application must be filed before registration.

EDC-600   Practicum in Counseling   **Credits: 3**
Prerequisite(s): EDC-500, EDC-505, EDC-530, and EDC-535
Term Offered: All Terms
Course Type(s): None
An intensive supervised 100-hour, field-based experience in the school or university, which provides an orientation to the school counselor's role within a school counseling program or student affairs program. Provides supervised opportunities to practice individual and group counseling skills along with day-to-day tasks of the school counselor/student affairs professional. Additionally, intensive individual and group supervision is provided through videotaped and/or audio taped sessions.

EDC-601A   Internship in Counseling I: School Counseling   **Credits: 3**
Prerequisite(s): EDC-500, EDC-505, EDC-520, EDC-530, EDC-535, EDC-540, EDC-600 and completion of twenty-four credits
Term Offered: All Terms
Course Type(s): None
An intensive supervised 300-hour field-based experience, which allows students who have completed the practicum to participate in a range of professional experiences expected of a school counselor or student affairs professional. Includes a requirement of documented supervised work as a student school counselor under the supervision of a practicing school counselor/student affairs professional and intensive individual and group supervision in the university seminar through videotaped and/or audio taped sessions. Students in the school counseling track should register for EDC-601A and students in the student affairs/college counseling track should register for EDC-601B.

EDC-601B   Internship in Counseling I: Student Affairs/College Counseling   **Credits: 3**
Prerequisite(s): EDC-500, EDC-505, EDC-520, EDC-530, EDC-535, EDC-540, EDC-600 and completion of twenty-four credits
Term Offered: All Terms
Course Type(s): None
An intensive supervised 300-hour field-based experience, which allows students who have completed the practicum to participate in a range of professional experiences expected of a school counselor or student affairs professional. Includes a requirement of documented supervised work as a student school counselor under the supervision of a practicing school counselor/student affairs professional and intensive individual and group supervision in the university seminar through videotaped and/or audio taped sessions. Students in the school counseling track should register for EDC-601A and students in the student affairs/college counseling track should register for EDC-601B.

EDC-602A   Internship in Counseling II: School Counseling   **Credits: 3**
Prerequisite(s): EDC-601A or EDC-601B
Term Offered: All Terms
Course Type(s): None
An intensive supervised 300-hour field-based experience, which allows students who have completed the practicum to participate in a range of professional experiences expected of a school counselor or student affairs professional. Includes a requirement of documented supervised work as a student school counselor under the supervision of a practicing school counselor/student affairs professional and intensive individual and group supervision in the university seminar through videotaped and/or audio taped sessions. Students in the school counseling track should register for EDC-602A and students in the student affairs/college counseling track should register for EDC-602B.

EDC-602B   Internship in Counseling II: Student Affairs/College Counseling   **Credits: 3**
Prerequisite(s): EDC-601A or EDC-601B
Term Offered: All Terms
Course Type(s): None
An intensive supervised 300-hour field-based experience, which allows students who have completed the practicum to participate in a range of professional experiences expected of a school counselor or student affairs professional. Includes a requirement of documented supervised work as a student school counselor under the supervision of a practicing school counselor/student affairs professional and intensive individual and group supervision in the university seminar through videotaped and/or audio taped sessions. Students in the school counseling track should register for EDC-602A and students in the student affairs/college counseling track should register for EDC-602B.

EDC-606   Research Methodology and Applications   **Credits: 3**
Term Offered: All Terms
Course Type(s): EDRES
Designed to provide the students with a basic understanding of the practical and theoretical applications of educational research methodology. Beginning with an examination of the role of research in education, students will be guided through the process of reviewing and analyzing information and data from a variety of sources, comparing and contrasting the different types of research designs, understanding the role of descriptive and inferential statistics, and the development of a research project.

EDC-610   SAC Internship   **Credits: 3**
Prerequisite(s): PC-540, PC-515 or EDC-510 or SW-509; PC-542 or EDC-604 or SW-604; PC-510 or SW-518; EDC-555 and permission of the instructor
Term Offered: All Terms
Course Type(s): None
A supervised three-credit, 300-hour field-based supervised experience in the school, which allows students to intern as a student assistance coordinator. This is the culminating activity of the student assistance coordinator program in which students will apply what they have learned in a school setting.

EDC-699   Independent Study: Ed Counsel   **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 a counseling 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 Education Doctorate (EDD)

EDD-THD   Thesis Defense   **Credits: None**
Term Offered: All Terms
Course Type(s): None
=Education Doctorate Thesis Defense

EDD-702   Adult Development and Transformative Learning   **Credits: 3**
Term Offered: Summer Term
Course Type(s): None
Analyzes the foundational learning theories, adult development, and transformative learning for school administrators. It examines the techniques of motivation, methodology, and evaluation in adult learning. An emphasis on social justice and advocacy for transformative learning will also be incorporated in the pedagogical structure of the course. The course further examines the transformative learning process for adults considering the socio-political, cultural, school and other factors. These influential paradigm shifts in adult learning include barriers to and motivation for transformative learning. Designed to contribute to the professional development of those individuals who work with adults and young adults in a variety of educational contexts, in either instructional or leadership capacities.

EDD-706   Learning Through Experience: Individuals and Organizations   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
The purpose of this course is to explore the nature of experiential learning processes in promoting change and growth in both professionals and the professions. The research literature associated with experiential learning will be used to explore the nature of experiential learning, where it occurs, how we experience it, how we think about it, and how we can use the environment to enhance it. Course content includes 1) readings related to action in the professionals, such as improvement science, network improvement communities, action research, and participatory action research; 2) a survey of topics associated with the thinking processes associated with active approaches to learning, such as reflection, design thinking, creativity, innovation, and semiotics. Activities and assignments will include group discussions, individual and group presentations, action research, and classroom observation and analysis.

EDD-710   Leadership, Diversity and Equity   **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
American and international institutions of education continue to face the challenge of promoting access and equity for a diverse educational community of stakeholders. The increase in diversity throughout the world requires educational leaders to explore and understand the issues and learn how to advance diversity and equity. Race and ethnicity, social class, and gender will serve as initial topics for the course. Students will learn how their local, national and international colleagues have struggled (and succeeded or not succeeded) in advancing equity and inclusion. Students also will be given an opportunity to explore other dimensions of diversity. Class discussions will center on current and world situations regarding educating a diverse population, and the efforts aimed at improving equity throughout the world.

EDD-712   International Leadership Models   **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Compares leadership practices in different parts of the world by comparing the performance of different countries. Doctoral candidates will compare and contrast the characteristics of successful leadership models and if those concepts are transferable to areas of leadership.

EDD-714   Leadership and Change   Credits: 3
Term Offered: All Terms
Course Type(s): None
Addresses leadership during the change process with a focus on building a climate for innovation and change while developing critical skills related to leading and managing a learning organization through change. Practical approaches to decision-making, authority, power and influence, school culture, communication, problem solving and dilemma management will be addressed. Management of personnel and facilities will also be covered. This course addresses the 2015 Professional Standards for Educational Leaders (6-8; 10) and the 2011 ELCC Standards (1.3, 1.4, 2.1, 2.4, 3.4, and 4.1). This course will engage students in applying fundamental leadership and management knowledge and skills which will support and enhance their Transformative Leadership Project. Students will discuss and analyze a broad range of "real world" problems and dilemmas using current case studies, in basket challenges, and information from the students' individual schools/districts.

EDD-716   Practicum in Executive Leadership   Credits: 3
Term Offered: All Terms
Course Type(s): None
Issues, principles, and responsibilities of the executive leader at the district level are the focus of this course. Using the 2011 ELCC Standards, ISLLC Standards and the Professional Standards for Educational Leaders as a guide, this course will explore the practical applications of contemporary principles of educational leadership and further development of the candidates Transformative Leadership Project through a 150 hour internship course.

EDD-717   Internship for School Leadership P-12   Credits: 1
Term Offered: All Terms
Course Type(s): OL
This course is designed to occur over one semester and culminate in the accruing of 150 internship hours out of the required 300 internship hours required for certification. These hours must be done under the guidance of a building principal and involve the day-to-day responsibilities and activities of building principal. The first 150 hours may be done in the candidates own building. The second 150 hours must be done in a diverse school setting different from the candidates previous setting (different grade configuration). Candidates will provide weekly logs and reflections. This class is only for those candidates seeking a principal endorsement.

EDD-720   Contemporary Issues in Education   Credits: 3
Term Offered: Fall Term
Course Type(s): None
Designed to extend the doctoral learner's' understanding of contemporary issues in education. Learners will examine current and emerging issues in education as well as trending topics impacting teaching, leadership and learning. Learners will analyze the following topics: a) inclusion of diverse learners in American schools; b) demographic shifts; c) poverty and affluence; d) globalization; e) technology and social media; f) data-based decision making; and g) recent research on student achievement with specific emphasis on subgroup performance.

EDD-721   Education Law and Policy P-12   Credits: 3
Term Offered: All Terms
Course Type(s): None
Provides legal foundations of U.S. public schools (Federal and State) examines general principles of statutory and case law and applies judicial decisions to educational environments. This course will examine many current legal policy issues in local and national elementary and secondary education, including school finance litigation; school discipline and the rise of "Zero Tolerance" policies (Casella 2003); bullying prevention and intervention; cyber-bulling; LGBT bias; educator evaluation systems; and special education; in addition to other topics that may arise during the course. Students will be able to use current education law and legal precedents to make effective educational leadership decisions in the areas of student's rights, academic freedom, religion and education, discipline, discrimination, negotiations and special education. This course is designed to provide current and future school leaders with the knowledge and skills they will need to make sound decisions, advance important educational objectives, and minimize legal problems.

EDD-722   Leading Digital Learning and Innovation in Education: Empowered Learners and Organizations   Credits: 3
Term Offered: Fall Term
Course Type(s): None
Investigates and analyzes the theories of disruptive innovation in leading continuous school transformation. Additionally, this course will enable students to practice systemic solution, evaluation, design and development associated with integrating emerging innovations in education. The research literature associated with digital learning will be used to explore the nature of digital learning, where it occurs, how we experience it, how we think about it, and how we can use digital tools to enhance learning. Course content includes 1) readings related to action in the profession, such as disruptive innovation, leading change in self-organized networks, action research, and participatory action research; and 2) a survey of topics associated with the thinking process associated with active approaches to learning, such as reflection, design thinking, creativity, and school innovation. Activities and assignments will include group discussions, individual and group presentations, action research, and classroom observation and analysis.

EDD-724   Organizational Leadership Theory and Research   Credits: 3
Term Offered: All Terms
Course Type(s): None
Organizational Leadership Theory and Research in education will examine the study, practice, and theory of educational leadership by exploring organizational change theories and analyzing tools necessary for leading system wide change. Students will explore systems within organizations that promote or hinder the change process. With this course, students will enhance their understanding of educational organizations and construct an organizational change project within his/her own school or district.

EDD-750   Advanced Program Analysis   Credits: 3
Term Offered: Fall Term
Course Type(s): None
This course examines the key concepts, methods, and approaches in the field of evaluation research, and program development. It is designed to be taken in conjunction with Transformative Leadership Dissertation for doctoral students and will support the candidate's plan development. Students will be exposed to the basic principles and best practices in educational program evaluation as well as the process of using evaluations and data driven assessment, that is unique to their district, to make decisions on the implementation of new programs or on the continuation of existing programs. Some statistical analysis, combined with a comprehensive range of activities involved in designing and implementing educational programs will be the primary focus of the course. This course will also present students with the larger political, administrative, and financial issues that occur in program evaluation.

EDD-752   Quantitative Research   Credits: 3
Term Offered: All Terms
Course Type(s): None
Introduces educational leaders to concepts in quantitative research in preparation for conducting independent research. There is a focus on critically understanding quantitative research methodology and the ability to apply it appropriately to various education issues. In addition, students will become familiar with the statistical program SPSS, as well as, how statistics can be utilized to address relevant educational issues.

EDD-754   Leadership and Assessment   Credits: 3
Term Offered: Fall Term
Course Type(s): None
Designed to focus on student achievement and service to diverse student populations, implementation of the Standards, research-based pedagogical innovations, and successful use of summative and formative assessment measures. Current models used to assess students' learning will be examined, including the use of performance criteria. Students will develop instruction and development plans to be implemented in their own organizational settings. These plans must show the alignment of instruction and assessment to student learning outcomes.

EDD-756   Qualitative Research   Credits: 3
Term Offered: Spring Term
Course Type(s): None
Designed to provide a general understanding of qualitative research methods and issues related to the design and conduct of qualitative studies. The course emphasizes experiential learning. You will have opportunities, both in class/lab and outside class, to learn by doing. Throughout the course you will be asked to reflect on what you are learning; this reflection on the practice of research will enhance your capacity to read, evaluate, design, and conduct qualitative studies. If you wish to pursue qualitative research projects, this course will provide you with the basic knowledge and skills you will need, but it is not a substitute for extensive reading and thinking about specific methods and their use, and additional learning through courses and supervised research experiences. The general aim of the course is to facilitate understandings of the following questions: 1. What is qualitative research? 2. What constitutes quality qualitative research? 3. What are the various tools/methods of a qualitative researcher? 4. What are the critical components of a qualitative research proposal?

EDD-760   Dynamic Leadership in Higher Education   Credits: 3
Term Offered: All Terms
Course Type(s): None
This course is intended to give you an understanding of the various theories that inform leadership education and practice in colleges and universities. In this course, you are invited to see leadership as discipline that transcends functional area, serving as a framework to lead and guide within higher education and beyond. As a participant in this class, you are asked to not only look at the leadership theories presented in class to formulate your approach as an educator, but also how you see these theories inform the ways in which you move and engage with the world around you.

EDD-762   Governance in Community Colleges   Credits: 3
Term Offered: All Terms
Course Type(s): None
This course is planned for current and prospective community college faculty, staff and administrators who seek to learn more about America's comprehensive community colleges and their role in the post-secondary knowledge industry. The course topics this semester will deal with the several major issues/topics that are critically important to community colleges. Community colleges offer vast new opportunities in higher education leadership. By engaging in intensive research, interactive discussions, continuous reading and writing, and creating new digital platforms for students and faculty, the participants in this course will develop the skills necessary to redefine the first steps of tertiary education in the twenty-first century.

EDD-764   Higher Education Law and Policy   Credits: 3
Term Offered: All Terms
Course Type(s): None
This course examines legal issues relevant to American colleges and universities to provide students with the fundamental knowledge of higher education law for administrators. The law provides for a supporting role to the overall mission of a college or university, and without its adherence, the mission may be negatively affected, if not unaccomplished. EDD 764 Higher Education Law and Policy provides students with an overview of the major aspects of the legal environment that specifically impact institutions of higher education. Institutions of higher education are affected by laws that range from privacy and reporting to admissions and financial aid practices. This course offers students an opportunity to use legal resources, to learn strategies for addressing these legal requirements and for staying abreast of emerging legal concerns in higher education. Topics include the legal governance of higher education, academic freedom, affirmative action, and legal issues pertinent to faculty and students.

EDD-766   Higher Education in the United States   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
This course is designed to help you think about colleges and universities and the historical and social forces that have affected their development in the United States. Since education is an issue we often think about in personal terms, especially higher education, the course is intended to use our own knowledge and insights as a starting point, and to expand upon our reasoning skills as we study these issues historically. We will do this by reading, discussing and thinking about colleges and universities and the students that attended them in the past. Through this, the aim of this course is to provide everyone with a sound framework for using historical analysis to interpret problems in higher education, and in the development of American society. In the course of doing this you will be asked to offer evidence of your learning, particularly with regard to your historical reasoning abilities. You will do this through discussion of readings, in class presentations and exploration of key issues, and through your written work. It is critical, in that case, that you attend every class, complete assigned readings on schedule, and submit written work when expected.

EDD-768   Higher Education Finance   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
The purpose of this course is to understand the concepts related to Higher Education Finance and it's impact upon the Higher Education system in the United States. The course will provide an introductory examination of financial, economic, and budgetary issues within higher education. Focusing on not-for-profit postsecondary schools, students will review the primary political, economic, and social issues influencing higher education finance, examine revenue streams and expenditure patterns, survey tuition and financial aid policies, develop the ability to examine and analyze financial information, and assess the budget as an instrument of strategic planning, resource allocation, and control. The course is grounded in literature, theories, and examples specific to higher education. The goal is to provide students with the knowledge and abilities that empower them to make appropriate decisions as higher education leaders. Course Goals: This course aims at a working understanding of the economics of higher education finance. Thus, students at the end of the course should be able to: 1) Understand key economic concepts bearing on higher education finance in the United States and abroad; 2) Understand the logic of financial decisions in higher education; and 3) Apply such concepts and logic to various finance projects of their choosing.

EDD-799   Independent Study Education (DOC)   **Credits: 3**
Term Offered: Summer Term
Course Type(s): None
Independent Study in Education Doctorate Level. Prior permission of the directing professor and department chair is required to take this course.

EDD-801   Research Design   **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
Focus will be on the development of a theme for the student's transformative leadership project. The Transformative Leadership Project provides opportunities for doctoral candidates to engage in leadership-related, authentic, action-research experiences in approved settings. Balancing theory with practice, working under the mentorship of an Ed Leadership Professor in collaboration with a superintendent or assistant superintendent, candidates will be immersed in the realities of practice and hone their research skills while solving relevant, school-based challenges. After a detailed needs assessment, the students will be required to decide on one program in their school district that needs to be improved. Doctoral candidates will utilize the design process in order to identify an organizational challenge, create a solution, implement, measure, and redesign as appropriate. Sessions will encompass a blended learning model where candidates will have the opportunity for face to face experiences with peers as well as virtual sessions and ongoing support. Learning activities are experiential and research driven, reflect the School of Education's Conceptual Framework, and are linked to the leadership paradigm advocated by the 2015 Professional Standards for Educational Leaders (Standards 1-10) and 2011 ELCC Standards (1-7). In addition to guiding students through an action research project, this course will address theoretical, philosophical, and epistemological questions around action research. We will discuss the tradeoff's that come with action research compared to more traditional research- how can insider status better inform research, and what might we lose compared to traditional research methods? How can the actions research framework better solve organizational problems, and on the other hand what insights may be lost by focusing on a single organization's questions or problems? This seminar will meet once a month for the fall and spring semesters. In addition to being a research design class, the class will also guide students through the actions research process that they can employ in other research, as well.

EDD-802   Writing for Professional Publication in Education   Credits: 1-3
Term Offered: Summer Term
Course Type(s): None
The Transformative Leadership project classes provide opportunities for doctoral candidates to engage in leadership-related, authentic, action-research experiences in approved settings. Balancing theory with practice, working under the mentorship of an Ed Leadership Professor and in collaboration with a superintendent or assistant superintendent, candidates will be immersed in the realities of practice and hone their research skills while solving relevant, school-based challenges. Doctoral candidates will utilize the design process in order to identify an organizational challenge, create a solution, implement, measure, and redesign as appropriate. Sessions will encompass a blended learning model where candidates will have the opportunity for face to face experiences with peers as well as virtual sessions and ongoing support. Learning activities are experiential and research driven, reflect the School of Education's Conceptual Framework, and are linked to the leadership paradigm advocated by the Professional Standards for Educational Leaders (formerly ISLLC). This course is designed to introduce doctoral students to the professional publication process. Students will engage in two major activities during the course: 1) learning how to organize a dissertation to fulfill the program requirements for the transformative learning project and 2) to write an article for professional publication. To meet the first requirement, you will revise your three-chapter project proposal created during EDD-801 Research Design, make a formal project proposal for the second year of the program to your dissertation committee, and learn how to write chapters 4 and 5 of the dissertation. To meet the second requirement, you will become familiar with editorial policies of relevant periodicals, identify various professional publication outlets, and review manuscripts using professional editorial criteria. The course will culminate in a finished manuscript submitted for publication.

EDD-803   Design-Based Research   Credits: 1.5-3
Term Offered: Fall Term
Course Type(s): None
The Transformative Leadership project classes provide opportunities for doctoral candidates to engage in leadership-related, authentic, action-research experiences in approved settings. Balancing theory with practice, working under the mentorship of an Ed Leadership Professor and in collaboration with a superintendent or assistant superintendent, candidates will be immersed in the realities of practice and hone their research skills while solving relevant, school-based challenges. Doctoral candidates will utilize the design process in order to identify an organizational challenge, create a solution, implement, measure, and redesign as appropriate. This course has two main purposes. First, it introduces students to different design-based research methods in educational research. Second, it provides students with an intensive experience in carrying out their own design-based research studies. Through a combination of readings, lectures, demonstrations, discussions, site visits and class exercises, students will be introduced to the issues and practices associated with design-based research and how different researchers engage in this kind of work. By learning about the work of different researchers, students will also be introduced to distinct forms of design-based research in education. In their transformative learning project, students will apply what they have learned to the design and conduct of their own design-based research studies. Design-bases research is a research approach that systematically investigates teaching, learning and/or training phenomena through multiple cycles of design, development, evaluation and implementation of educational interventions (which may consist of curriculum/training interventions, systemic school programs, informal or formal teaching-learning strategies and materials, technology-based products and systems, etc.). This course will examine the history of this research approach along with related current literature, commentary and research. This form of inquiry necessarily involves foundational features of design practice as well as quantitative and qualitative research as appropriate. This course is not a substitute for coursework on quantitative or qualitative methods. It is actually intended to complement such courses. The purposes a scholar intends to achieve determine the appropriate form of inquiry.

EDD-804   Analyzing and Interpreting Data   **Credits: 1-3**
Prerequisite(s): EDD-801, EDD-802, and EDD-803
Term Offered: All Terms
Course Type(s): None
The Transformative Leadership project classes provide opportunities for doctoral candidates to engage in leadership-related, authentic, action-research experiences in approved settings. Balancing theory with practice, working under the mentorship of an Ed Leadership Professor and in collaboration with a superintendent or assistant superintendent, candidates will be immersed in the realities of practice and hone their research skills while solving relevant, school-based challenges. Doctoral candidates will utilize the design process in order to identify an organizational challenge, create a solution, implement, measure, and redesign as appropriate. Sessions will encompass a blended learning model where candidates will have the opportunity for face-to-face experiences with peers as well as virtual sessions and ongoing support. Learning activities are experiential and research driven, reflect the School of Education's Conceptual Framework, and are linked to the leadership paradigm advocated by the Professional Standards for Educational Leaders (formerly ISLLC). This course is designed to immerse doctoral students in the analysis of interpretation of data. You will engage in the examination of data reflected to your transformative learning project. During the course, you will present and explain your research findings, outline chapters 4 and 5 of your dissertation, and write a preliminary and then final draft for chapters 4 and 5 of your dissertation. You will also give a PowerPoint presentation of your defense in preparation for your oral dissertation defense. The primary outcome of the course will be the completion of chapters 4 and 5 of your dissertation.

EDD-899   Independent Study in Education 800 Level Doctorate   Credits: 3
Term Offered: All Terms
Course Type(s): None
Independent Study in Education (800 level) Doctorate. Prior permission of the directing professor and department chair is required to take this course.

Education Educational Leadership (EDL)

EDL-502   Development and Learning in Early Childhood   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Studies designed to foster understanding of the dynamic continuum of development and learning in children from birth through age eight. Typical and atypical development of young children is addressed through a multicultural perspective. Developmental factors that impact learning in preschool and the primary grades are emphasized. Approaches to learning grounded in developmental theory are presented with an emphasis on developmentally appropriate practice.

EDL-503   Literacy Instruction   **Credits: 3**
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 hours required.

EDL-504   Introduction to Educational Leadership and Supervision for Student Learning P-12   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
An introduction to the conceptual, theoretical, and practical foundations of educational administration and supervision. Examines the knowledge and research base of learning theory and the role of administrators and supervisors as instructional leaders in transferring theory into best practices to enhance student learning and sustain professional learning communities.

EDL-515   Advanced Literacy Instruction   **Credits: 3**
Term Offered: All Terms
Course Type(s): EDFOU, MAT
Focuses on pedagogy and theories that are applicable to teaching literacy to beginning, struggling, and skilled readers. Topics include approaches for teaching literacy to a diverse population of P-12 Learners in a literate environment and assisting and supporting colleagues and paraprofessionals. Word identification, vocabulary, comprehension, and content strategies will be presented. Education majors only.

EDL-516   Literacy Strategies for All Learners I   **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
Explores word identification and vocabulary research and instructional strategies for all learners including those from culturally diverse backgrounds. Individual and group instructional techniques in the area of phonemic awareness, phonics, word recognition, vocabulary, and fluency are explored in environments that promote collaboration and self-regulation. Instructional teaching strategies and techniques for coaching colleagues and paraprofessionals are practiced in real settings.

EDL-517   Literacy Strategies for All Learners II   **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Addresses comprehension research and instructional strategies for all learners including those from culturally diverse backgrounds. Individual and group comprehension strategies, metacognition, and student self-evaluation are explored and practiced in collaborative education settings. Instructional teaching strategies and techniques for coaching colleagues and paraprofessionals are practiced in real settings.

EDL-521   Early Childhood Family, School and Community Collaboration in a Diverse Society   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Focuses on the process of family assessment and intervention, issues of family and professional collaboration and diversity, and methods of promoting adult communication and management strategies. It applies the knowledge of cultural and linguistic diversity and the significance of socio-cultural and political contexts as they relate to the family, culture and society. It identifies the members of teams designed to support and optimize children's health, growth, and development and the network of community services to individuals, families and groups handicapped by social, environmental, health and related problems.

EDL-522   Early Literacy and Language Development   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Focuses on the early literacy and language development of regular and special education children, ages three through eight. The content includes the study of the theories and acquisition of language, the interrelated nature of reading and writing, the appropriate development and assessment of early literacy, methods for engaging and motivating young learners, and the importance of family involvement.

EDL-525   Multicultural Literature and Literacy   Credits: 3
Term Offered: Spring Term
Course Type(s): None
Focuses on multicultural literature and how it is integrated into a classroom and/or school-wide literacy program. A wide array of multicultural literature and other genres for children and young adults will be presented, studied and integrated into a Teacher Work Sample. Coaching colleagues and paraprofessionals is emphasized.

EDL-526   Strategies for Teaching Writing, K-12   Credits: 3
Term Offered: Summer Term
Course Type(s): None
Provides an in-depth study of strategies for teaching various types of writing to elementary and secondary students. It involves assessing and instructing students who require assistance with the development of written expressive language under the direction of a University supervisor.

EDL-527   Literacy Trends and Issues   Credits: 3
Term Offered: Fall Term
Course Type(s): None
Focuses on issues, problems, and trends in the field of literacy. The content includes the study of divergent viewpoints and research regarding theories, instructional strategies, assessment, classroom environment and professional development.

EDL-530   School Law and Policy   Credits: 3
Term Offered: All Terms
Course Type(s): None
A study of court decisions addressing the legal principles affecting education, schools, and school professionals. Constitutional, statute, and administrative laws related to education are examined and analyzed through case studies and Socratic methods.

EDL-531   Economics and School Business Leadership   Credits: 3
Term Offered: All Terms
Course Type(s): None
Should be thought of as an applied economics course. It will focus on the topics that are of the greatest interest and importance to school business administrators. Applies topics in economic theory to administrative decision making. This course is concerned with the relationships between schools, consumers, and the economic environment in which they operate.

EDL-532   Human Resource Management and School Finance   Credits: 3
Term Offered: All Terms
Course Type(s): None
Provides combined theory and practice of human resource management and public school finance in relation to expenditures and resources, and state and federal support of education in local school districts.

EDL-533   Community Relations   Credits: 3
Term Offered: All Terms
Course Type(s): None
Examines the theoretical and practical approaches for establishing effective school/community relations and the role of the educational leader in promoting the success of all students by collaborating with families and other community members.

EDL-534   Principles of Accounting for School Business Administrators
                                                                       Credits: 3
Term Offered: All Terms
Course Type(s): None
Provides the candidate with a basic understanding of the Generally Accepted Accounting Principles (GAAP) used in the School Business Administrator's office. The topics of tax levies, budgeting, purchasing, bidding, and referenda will also be discussed.

EDL-535   School Facilities Planning and Management   Credits: 3
Term Offered: All Terms
Course Type(s): None
Provides school district administrators the fundamental concepts of planning, designing and constructing new educational facilities and/or the rehabilitation, remodeling or modernization of existing facilities. Additionally, the course includes operation and maintenance programs.

EDL-536   Curriculum Development and Design   Credits: 3
Term Offered: All Terms
Course Type(s): EDCUR
Examining models of curriculum development, candidates evaluate, design and develop effective curricula to support the instructional process and enhance student learning experiences.

EDL-537   Technology for School Leaders   Credits: 3
Term Offered: All Terms
Course Type(s): None
Focuses on the practical applications and the authentic use of technology to provide instructional and administrative support of the learning community.

EDL-539   Instructional Theory and Leadership for Student Learning
                                                                       Credits: 3
Term Offered: Spring Term
Course Type(s): None
Examines the knowledge and research base of learning theory and the role of the instructional leader in transferring theory into best practices to enhance student learning and sustain professional learning communities.

EDL-551   The In's and Out's and Do's and Don'ts of Embracing Technology Tools in the Classroom   Credits: 3
Term Offered: All Terms
Course Type(s): None
Focuses on the use of educational technology in classroom settings and the strategies, resources, planning, and assessment of an effective program. Addresses collaboration with colleagues regarding the ethical boundaries of excursions, ways to fit in technology that saves time and provides meaningful experiences to learners at all levels and curricular areas. Students will become familiar with relevant text materials and participate in an exploration of resource options for utilizing technology for various purposes during instructional planning and execution of plans. Materials, methods and strategies will be prepared and ready-to-utilize for authentic purposes, upon completion of this course.

EDL-552   Creative Technology: Utilizing Technology to Ignite a Passion for Learning   Credits: 3
Term Offered: All Terms
Course Type(s): None
Through graphic design and the integration of digital photography, Flip Video, software such as PowerPoint, the Print Shop, and multi-media projection devices, the opportunity to use technology for stimulating, engaging and motivating students will be explored. Enables students to explore and develop exciting learning experiences. Includes ways to utilize resources in routine lesson planning and to make technology an exciting aspect of all lesson plans.

EDL-553 Technology Integration: Methods for Successfully Meeting Diverse Learning Needs Within a Classroom **Credits: 3**
Prerequisite(s): EDL-551 and EDL-552
Term Offered: Spring Term
Course Type(s): None
Expands further upon the various forms of technology available for classroom use. Students will develop engaging learning activities designed to meet the diverse learning needs within a classroom. Opportunities will be provided to explore the various possibilities for modifications and adaptations made possible via specific technology tools. Helps students maximize learning opportunities through the use of Podcasts, instant messaging, text-to-speech capabilities, WebQuests, and more.

EDL-554 A Proactive Approach to Technology Implementation Across the Curriculum **Credits: 3**
Prerequisite(s): EDL-551 and EDL-552
Term Offered: Spring Term
Course Type(s): None
Focus is on helping students infuse teaching with meaningful technology across the curriculum. Students will have the opportunity to create, share, demonstrate and showcase a portfolio of resources, strategies, methods and varied options for technology integration through the creation of an authentic classroom technology plan. Through collaboration, guidance practice then independent work, students will embrace all aspects of technology integration and work step-by-step to create a ready-to-use plan.

EDL-560 Early Childhood Curriculum Assessment for Inclusive Environments **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Curriculum and assessment for early childhood programs serving children in preschool through age eight. Multidimensional, ongoing, and performance-based assessment strategies are addressed. Characteristics of developmentally appropriate curricula are explored. Development of learning environments that respect diversity and create opportunities for active participation of all children are emphasized.

EDL-564 Assessment and Instruction in Literacy I **Credits: 3**
Term Offered: Fall Term
Course Type(s): EDAST
Focuses on the principles of ongoing assessment and instruction of K-12 students' reading and writing development. Strategies to select, use, and interpret appropriate standardized, criterion-referenced, and informal assessment measures will be provided. Techniques for analysis of students' literacy strengths and weaknesses and techniques for coaching colleagues and paraprofessionals will be addressed. Individual and group literacy strategies are explored and practiced in public school classrooms and a clinical setting.

EDL-565 Assessment and Instruction in Literacy II **Credits: 3**
Prerequisite(s): EDL-564
Term Offered: Spring Term
Course Type(s): None
Focuses on assessment and instructional literacy strategies for assisting all learners, including those with diverse backgrounds. The content includes the theory and practice of portfolio assessment and varied instructional strategies as well as the integration of technology. Individual and group literacy and coaching strategies are explored and practiced in public school classrooms and a clinical setting.

EDL-566 Diagnosis and Remediation of Literacy Problems I, Secondary **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Involves a field-based component, which focuses on assessing and evaluating secondary students' reading and writing. Strategies to select appropriate standardized, criterion-referenced and informal assessment measures will be provided. Techniques for the analysis of literacy difficulties and the formulation of remediation plans will be addressed.

EDL-569 Public School Supervision and Communication **Credits: 3**
Prerequisite(s): EDL-536 or EDL-565
Term Offered: All Terms
Course Type(s): None
Aspiring supervisors and principals will develop a greater understanding of the knowledge, interpersonal skills, and technical processes necessary to provide developmental supervision and professional growth experiences for staff members.

EDL-572 Current Topics in Educational Psychology **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Several important contemporary theoretical, applied, and methodological issues in various areas of educational psychology are selected by the instructor for inclusion in the course. Seminar discussions focus on the critical evaluation of the recent literature in the areas selected.

EDL-575 Methods of Teaching Language Arts and Content Literacy at the Elementary Level **Credits: 3**
Prerequisite(s): ED-510, ED-550, ED-552 and EDL-503
Term Offered: All Terms
Course Type(s): None
Focuses on the literacy instruction of regular and special education children, including those from linguistically diverse backgrounds in grades P-6, across various content areas. Ongoing assessment and instructional strategies will be explored in various engaging, literate, educational settings. Education majors only. Clinical practice hours required.

EDL-582 Practicum in Supervision and Curriculum P-12 **Credits: 3**
Prerequisite(s): EDL-569 or EDL-565
Term Offered: All Terms
Course Type(s): None
Application of duties and responsibilities of the supervisor and/or curriculum specialist to an in-school supervised practicum project.

EDL-585 Practicum in Literacy **Credits: 3**
Prerequisite(s): EDL-515, EDL-564 and EDL-565
Term Offered: All Terms
Course Type(s): None
Concentrates on the clinical assessment and instruction of students who have difficulty with reading and writing. The practicum involves instructional sessions, observing colleagues tutoring, and being observed during a seamless assessment and instruction cycle. In addition, self-assessment is encouraged via the use of videotaped teaching sessions and in-depth, collaborative case discussions.

EDL-588   Topics in School Leadership, Supervision, and Curriculum P-12

Credits: 3

Prerequisite(s): EDL-569
Co-requisite(s): EDL-590A
Term Offered: Fall Term
Course Type(s): None
Principles, problems, and techniques relative to the duties and responsibilities of the elementary and secondary school administrator and/or supervisor will be discussed in conjunction with the ELCC Standards including curriculum review and revisions. Practical application of these concepts will be the primary focus of the course and the course assessments.

EDL-589   Advanced Topics in School Leadership, Supervision, and Curriculum P-12

Credits: 3

Prerequisite(s): EDL-588
Co-requisite(s): EDL-590B
Term Offered: Spring Term
Course Type(s): None
Principles, problems, and techniques relative to the duties and responsibilities of the elementary and secondary school administrator and/or supervisor will be discussed in conjunction with the ELCC Standards. Further extending the practical application of the concepts in EDL-588 will be the primary focus of the course and the course assessments.

EDL-590A   Internship for School Leadership (P-12) I   **Credits: 1**

Co-requisite(s): EDL-588
Term Offered: Fall Term
Course Type(s): None
Designed to occur over one semester and culminate in the accruing of 150 internship hours out of the required 300 internship hours required for certification. These hours must be done under the guidance of a building principal and involve the day-to-day responsibilities and activities of the building principal. The first 150 hours may be done in the candidates own building. The second 150 hours must be done in a diverse school setting different from the candidates previous setting (different grade configuration). Candidates will provide weekly logs and reflections.

EDL-590B   Internship for School Leadership (P-12) II   **Credits: 1**

Co-requisite(s): EDL-589
Term Offered: Spring Term
Course Type(s): None
Designed to occur over one semester and culminate in the accruing of 150 internship hours out of the required 300 internship hours required for certification. These hours must be done under the guidance of a building principal and involve the day-to-day responsibilities and activities of the building principal. The first 150 hours may be done in the candidates own building. The second 150 hours must be done in a diverse school setting different from the candidates previous setting (different grade configuration). Candidates will provide weekly logs and reflections.

EDL-593   Administration and Supervision of Literacy Practices and Professional Development for School Leaders   **Credits: 3**

Prerequisite(s): EDL-569
Term Offered: All Terms
Course Type(s): None
Focuses on the principles, methods, and materials applicable to the administration, organization, and supervision of literacy programs as well as the coaching of staff and colleagues. Students are involved in observation, supervision, and a long-term staff development program in schools.

EDL-598   Special Topics in Educational Leadership   **Credits: 3**

Term Offered: All Terms
Course Type(s): None
The subject matter varies with the interest of the students and the professor teaching the course. The exact nature of the topic covered in any given semester is indicated in the student's transcript. Permission of the program director is required. If a prerequisite is required it will be announced in the course schedule.

EDL-599   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. Prior permission of the directing professor and department chair is required to take this course. Application must be filed before registration.

EDL-602   Research Methodology and Applications II   **Credits: 3**

Prerequisite(s): EDC-606
Term Offered: All Terms
Course Type(s): None
This course is designed to extend students' understanding of research methodological knowledge and techniques presented in EDC-606 Research Methodology and Applications I. Beginning with an in-depth examination of the various types of quantitative and qualitative research designs in education, the course will present students with inferential statistical procedures, experimental vs. non-experimental studies, and an analysis of results and their implications. Students will use the information garnered through this course, along with their completed research proposal, to gather, analyze, and present their data and findings in the form of a research thesis.

EDL-603   Individual Research Study   **Credits: 3**

Term Offered: Summer Term
Course Type(s): None
Techniques of educational research including: types of research, problem definition, variables and controls, data collection, data analysis and communication of results.

EDL-606   Research Based Program Evaluation and Decision Making

Credits: 3

Prerequisite(s): EDL-569
Term Offered: All Terms
Course Type(s): None
Examines key concepts, methods, and approaches in the field of evaluation research. Students will be exposed to the basic principles and practices in educational program evaluation as well as the process of using evaluations to make decisions on the implementation of new programs or on the continuation of existing programs. Research of best practices, data-driven assessment that is unique to each student's particular school, statistical analysis, combined with a comprehensive range of activities involved in designing and implementing educational programs will be the primary focus of the course. Presents students with the larger political, administrative, and financial issues that occur in program evaluation.

EDL-620   Practicum in Executive Leadership   **Credits: 3**
Prerequisite(s): EDL-589
Term Offered: Fall Term
Course Type(s): None
Issues, principles, and responsibilities of the executive leader at the district level are focused on. Using the ELCC Standards as a guide, the practical applications of contemporary principles of educational leadership through a 150-hour internship experience are explored.

EDL-672   Advanced Theory in Play Therapy   **Credits: 3**
Term Offered: Spring Term
Course Type(s): OL
Provides an in-depth understanding of the history and theories of play therapy. Emphasis is placed on the understanding of the roles of therapists and parents through the play process. Diversity and multicultural considerations for theoretical perspectives are highlighted. Also listed as PC-672 and SW-672.

EDL-673   Advanced Techniques in Play Therapy   **Credits: 3**
Term Offered: All Terms
Course Type(s): HY
Provides students with the opportunity to develop techniques and methods of play therapy. Emphasis is placed on working with children, adolescents, and adults through individual, group, and family play therapy. Major topics include group play therapy, family play therapy, short-term play therapy, and sand tray/sand play therapy. Additionally, diversity and multicultural considerations are highlighted. Also listed as PC-673 and SW-673.

EDL-674   Play Therapy for Children at Risk   **Credits: 3**
Term Offered: Spring Term
Course Type(s): OL
Focus is on play therapy with vulnerable and high-risk children. Emphasis on working with children, adolescents, and adults using play therapy in trauma and crisis situations is highlighted. Special attention is given to social issues that can lead to or exacerbate trauma or crisis. Also listed as PC-674 and SW-674.

EDL-699   Independent Study in Educational Leadership   **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 is required to take this course. Application must be filed before registration.

Education Special Education (EDS)

EDS-500   Foundations of Special Education: Development Across the Lifespan   **Credits: 3**
Term Offered: All Terms
Course Type(s): EDFOU, MAT
Focuses on major concepts and theories of child and adolescent growth and development from prenatal period through adulthood for typical and atypical individuals. The content includes the study of legal, cultural, and educational issues related to diverse students across the life span; research-based approaches for assessment, intervention, and remediation for students with disabilities; and technology applications in the classroom guided by the Council for Exceptional Children Code of Ethics and the Professional Practice Standards for Teachers of Exceptional Learners, and the New Jersey Professional Teaching Standards. Clinical hours required.

EDS-502   Autism: Characteristics, Etiology, and Current Issues   Credits: 3
Term Offered: All Terms
Course Type(s): None
Content includes an overview of various characteristics and learning traits of students who are served within the category of autism spectrum disorders. Candidates will examine definitions, eligibility criteria, incidence rates, etiology and historical perspectives on autism. Perspectives on the roles and responsibilities of students, families, educational professionals, community personnel, and employers in relation to individuals with autism are also explored.

EDS-522   Accommodating Learners with Special Needs in Inclusive Settings   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Designed to explore the concept of inclusion, discuss it from a theoretical and practical perspective, and present strategies necessary for inclusion to be successful. Included will be an emphasis on instructional strategies, differentiated instruction, accommodations and modifications, and communication and consultation techniques for co-teaching and professional collaboration.

EDS-530   Research Issues and Trends in Special Education   **Credits: 3**
Term Offered: All Terms
Course Type(s): EDRES
An appraisal of current practices and issues in the field of special education is conducted through discussion and review of the research literature. P-12 educators explore the code of ethics and standards of practice in the field and are encouraged to become critical consumers of research as a foundation for practice. The ability to critically analyze, synthesize, and evaluate the research base in special education is emphasized.

EDS-532   Physiological Aspects of Learning   **Credits: 3**
Term Offered: Summer Term
Course Type(s): None
Extends candidates' knowledge of various applications of the physiological model of learning and learning disorders to various aspects of assessment and training of students with various learning, medical, and behavioral problems. Emphasis is placed on Learning Disorders (both right and left brain), ADHD (both inattentive and hyperactive), Social and Emotional Disorders, Autism Spectrum Disorder and other disorders under the category of Other Health Impaired (Tourette Syndrome and other chronic disorders).

EDS-534   Classroom Management in Inclusive Settings   **Credits: 3**
Prerequisite(s): EDS-572
Term Offered: All Terms
Course Type(s): MAT
Includes the study of the principles of behavior and a focus on the practical application strategies for teachers in inclusive settings. Factors that influence the behavior of students with disabilities and research-based techniques to facilitate positive teacher-student and peer relationships in a classroom environment are discussed. Clinical hours required.

EDS-535   Technology and Students with Disabilities   **Credits: 3**
Term Offered: All Terms
Course Type(s): MAT
Focus is on instructor-centered and learner-centered integration of technology to provide a technological supportive environment to meet the special needs of students. Clinical hours required.

EDS-537   Collaborating with Families, Students, and Professionals in Community and Educational Settings   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
A study of social, legal, and educational issues related to diverse students across the life span, research-based approaches for assessment, intervention, and remediation for students with disabilities, and technology applications in the classroom; the impact of disability on the family system; communication skills needed for collaborating with diverse families; identifying and researching community resources for persons with disabilities and their families; and strategies for involving the families in the referral and evaluation and development process of transition and career planning as well as the selection of transition resources and services.

EDS-538   Special Education Law   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
A historical overview of special education laws and the impact on special education services and professional practices in the United States. Includes a review of major court decisions and analysis of state laws, codes, and statutes. Application of legal principles in local processes and policies are examined.

EDS-542   Communication and Social Competence Skills   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Focuses on the development and improvement of speech, language and social competence skills for individuals with autism. Also included are research-based approaches to assessment, intervention and remediation of communication disorders for individuals with autism. The functional relationship between communication skills and behavior is also examined. (Field experience is required).

EDS-550   Learning Theories and Applications in Educational Settings   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Covers various classical and contemporary philosophies, aspects and models of learning. Emphasis will be placed upon such topics as multiple intelligences, learning styles, teaching styles, information processing critical thinking skills, brain-based learning and other learning theories. Students will review and critique general learning theories, as well as investigate how people organize, encode, process, transform, utilize and articulate information presented in an instructional environment.

EDS-552   Methods of Teaching Students with Disabilities   **Credits: 3**
Prerequisite(s): EDS-500, EDS-535, EDS-537 and EDS-572
Term Offered: All Terms
Course Type(s): None
Implementation of evidence-based practices in lessons and unit plans for students with disabilities in separate and inclusive settings. Methods in the field of special education are emphasized. Identifying and creating accommodations and modifications to meet the needs of all students in special education and inclusive settings. Pedagogy that is applicable to teaching literacy to struggling readers and students with disabilities, including literacy in the content areas. Clinical hours required.

EDS-566   Assessment and Interventions for Individuals with Autism I   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Assessment processes such as screening, diagnosis, and identification of developmental skills for individuals with autism are included. Focus is on assessment of specific skills in developmental domains, such as sensory, oral, motor, play, and communication and practical strategies detailing what to teach based on assessment data. Research-based interventions that promote progress in the areas of communication, social, academic, behavior, and sensory motor skills for students with autism are examined. An overview of numerous curricula approaches and materials for individuals with autism are also included. Methods for monitoring the impact of interventions are explored in a variety of service delivery models. (Field experience is required.)

EDS-567   Assessment and Interventions for Individuals with Autism II   **Credits: 3**
Prerequisite(s): EDS-566
Term Offered: Spring Term
Course Type(s): None
Various assessment processes such as screening, diagnosis, and identification of specific skills for individuals with autism are included. Focus is on using assessment data from various developmental domains to plan, choose, and implement appropriate intervention strategies based on specific needs of an individual with autism. An overview of numerous curricula approaches and materials for individuals with autism is included in this course. (Field experience is required.)

EDS-568   Advanced Instructional Methods in Special Education   **Credits: 3**
Prerequisite(s): EDS-500
Term Offered: All Terms
Course Type(s): None
A focus on the physical and instructional dimensions of teaching to include research-based strategies and techniques for learners with special needs; effective instruction for students with disabilities especially in literacy and math area; accommodations and adaptations; technology across the curriculum; as well as the learning implications of classroom organization and planning. This course requires demonstration that enrollees are able to evaluate, design, structure and implement instructional techniques and curriculum adaptations for students with learning problems. (Field experience is required.)

EDS-570   Assessment and Curricula Interventions and Strategies   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
A supervised clinical course where candidates develop assessment plans and conduct assessments of students (P-12) who are at risk or who have learning problems. Content includes: evaluation of sound assessment; reliability and validity; formal and informal assessment techniques; administration of norm-referenced and informal tests; analysis of data; and the interpretation of assessment for educational intervention and instructional planning. The knowledge and skills of the educational diagnostician are also emphasized.

EDS-571   Management of Challenging Behaviors   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
An overview of the use of applied behavior analysis (ABA) for individuals with autism is the main focus of the course. Included are methods to increase behaviors, decrease behaviors, maintain behaviors, and generalize behaviors. Observation skills, data collection, and monitoring effectiveness of interventions are practiced. (Field experience is required.)

EDS-572   Assessment Strategies and Applications in the Classroom
Credits: 3
Term Offered: All Terms
Course Type(s): None
Focuses on the educational assessment of students P-12 who may be at risk or who have been identified as having learning problems. Course content includes a discussion of assessment processes and concerns, importance of early intervention and procedural considerations. The course also includes an emphasis on educational interventions and strategies necessary to create an environment that leads to success for all learners with special needs. Further topics that are presented include accommodations and adaptations; technology across the curriculum; and learning implications of classroom assessments, classroom organization and planning. Candidates must demonstrate that they are able to create informal assessments, analyze data and structure and collaborate about instructional techniques and curriculum adaptations for students with learning problems. Clinical hours required.

EDS-580   Experimental Design   **Credits: 3**
Prerequisite(s): EDS-530
Term Offered: All Terms
Course Type(s): OL
This course will prepare students to utilize single subject experimental designs. Topics will include dependent and independent variables, internal and external validity, and identification of features and advantages of single subject designs. Candidates will prepare and implement a comprehensive research project utilizing a single subject design as a culminating project. Fieldwork is required. Education majors only.

EDS-590   Diagnosis and Correction of Learning Disabilities   **Credits: 3**
Prerequisite(s): EDS-568, EDS-570 and completion of eighteen graduate credits
Term Offered: All Terms
Course Type(s): None
Focuses on the legal and ethical foundations for assessment of school-age students. Strategies for the selection, administration, and scoring of formal and classroom-based educational and social assessments are addressed. Assessing students' levels of performance, interpreting results to enhance learner functioning and identifying service and programming options are explored. Collaboration with families and other professionals to assist in writing Individual Education Plans (IEP) is addressed.

EDS-598   Special Topics in Special Education   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
The subject matter varies with the interest of the students and the professor teaching the course. The exact nature of the topic covered in any given semester is indicated in the student's transcript. Permission of the program director is required. If a prerequisite is required it will be announced in the course schedule.

EDS-599   Independent Study in Special 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. Prior permission of the directing professor and department chair is required to take this course.

EDS-601   Applied Behavior Analysis: Introduction   **Credits: 3**
Term Offered: All Terms
Course Type(s): OL
This course includes an overview of basic concepts associated with applied behavior analysis (ABA). Candidates will explore the science of behavior analysis including goals, philosophical assumptions, and dimensions of ABA. Basic concepts and principles (including definitions and examples) will also be introduced. Education majors only.

EDS-602   Applied Behavior Analysis: Concepts and Principles   Credits: 3
Prerequisite(s): EDS-601
Term Offered: All Terms
Course Type(s): OL
This course teaches foundational concepts and principles of applied behavior analysis (ABA). There will be a specific focus on the learning principles, basic characteristics, processes, concepts and terminology in ABA. Education majors only.

EDS-603   Applied Behavior Analysis: Behavior Assessment   **Credits: 3**
Prerequisite(s): EDS-601, EDS-602
Term Offered: All Terms
Course Type(s): None
This course will focus on functional behavior assessment. Topics include reviewing records, determining the need for services, identifying socially significant behavior change goals, conducting assessments, describing functions of behavior, and interpretation of functional assessment data. Education majors only.

EDS-604   Applied Behavior Analysis: Behavior Change Procedures
Credits: 3
Prerequisite(s): EDS-601, EDS-602, and EDS-603
Term Offered: All Terms
Course Type(s): OL
This course will focus on the use and evaluation of conducting functional behavior change procedures for behavior analysts working in the field. Topics include using reinforcement, punishment, shaping, chaining, extinction, token economies, group contingencies, self-management, prompting, and evidence-based teaching strategies. Using procedures to promote generalization and maintenance will also be discussed. Education majors only.

EDS-605   Research and Advanced Topics: in Autism and ABA   Credits: 3
Prerequisite(s): EDS-601, EDS-602, EDS-603 and EDS-604
Term Offered: All Terms
Course Type(s): None
Includes detailed information on evidence-based practices associated with autism spectrum disorders. Emphasis is also placed on interpretation/analysis of peer-reviewed journal articles associated with autism interventions. (Field experience is required.)

EDS-606 Ethics and Professionalism for Behavioral Analysis   Credits: 3
Prerequisite(s): EDS-601, EDS-602, EDS-603, EDS-604 and EDS-605
Term Offered: All Terms
Course Type(s): None
Content focuses on ethical considerations and professionalism within the field of behavior analysis. Emphasis is placed on interpretation/analysis of case studies in order to identify ethical and best practices within the field. Skills in collaboration, feedback, goal setting, termination and follow-up are discussed and integration of ethical and legal procedures into behavioral analytic practice with individuals and families is emphasized.

EDS-610 Internship in Learning Disabilities Teacher-Consultant
Credits: 3
Prerequisite(s): EDS-570, EDS-590 and approval of the program director
Term Offered: All Terms
Course Type(s): None
Teacher consultation in a public or private agency as part of a Child Study Team under the supervision of a certified Learning Disabilities Teacher-Consultant and a faculty member.

English (EN)

EN-ESS English Master's Essay   Credits: None
Term Offered: All Terms
Course Type(s): None
A revision and development of a graduate paper researched and written in a previous semester. Typical length 20-25 pages. Only for students in the Literature or Rhetoric and Writing Concentrations who are not writing a thesis. This is a pass/fail course.

EN-500 Critical Theory   Credits: 3
Term Offered: All Terms
Course Type(s): EN.4, EN.RW
Introduction to a variety of critical approaches to literature. Theories will be applied to texts: poetry, fiction, and drama, and the interpretation developed from these theories will be considered.

EN-502 Seminar in Literary Research   Credits: 3
Term Offered: All Terms
Course Type(s): None
Methods and materials for composing and presenting graduate research centered upon selected texts chosen by the instructor; bibliography, reference resources, critical analysis, and evaluation of sources; techniques, forms and formats for research projects and papers.

EN-509 Middle English Literature   Credits: 3
Term Offered: Fall Term
Course Type(s): EN.1, EN.LT
Study of selected works from the twelfth through the fifteenth centuries in the context of contemporary cultural and literary developments.

EN-511 The English Renaissance   Credits: 3
Term Offered: Fall Term
Course Type(s): EN.1, EN.LT
Intensive study of the major genres and authors of English literature from 1550-1660, the age of Spenser, Johnson and Milton. Lyric and epic poetry, drama, prose fiction, and the essay are represented.

EN-513 Shakespeare, His Contemporaries and Renaissance Society
Credits: 3
Term Offered: All Terms
Course Type(s): EN.1, EN.LT
Study of selected Shakespeare plays along with works by Marlowe, Webster and others in order to place Shakespeare's achievement within aesthetic, critical and historical contexts.

EN-525 Eighteenth Century British Literature   Credits: 3
Term Offered: All Terms
Course Type(s): EN.1, EN.LT
Intensive study of selected works of prose, poetry, and drama, which represent the Ages of Dryden, Pope, Johnson, and Hume.

EN-528 Foundations of World Literature   Credits: 3
Term Offered: Spring Term
Course Type(s): EN.3, EN.LT
The oral and written traditions of the foundation of the non-Western world: Africa, the African Diaspora, Asia and the Middle East.

EN-530 Contemporary World Literature   Credits: 3
Term Offered: Spring Term
Course Type(s): EN.3, EN.LT
Major literary texts from three broad areas of the non-Western world (African Diaspora, Asia, and the Middle East) will be critically examined, including literary trends, theories, and criticism. Selections will be drawn from poetry, fiction, non-fiction, and drama.

EN-533 Literature of Immigration   Credits: 3
Term Offered: Spring Term
Course Type(s): EN.3, EN.LT
Examines literature written by the first or second generation immigrants, about the experiences of emigration and immigration to North America; it combines close analysis with historical contextualization, and includes discussion of critical and theoretical works on immigrant identities and subjectivities. Focuses on narratives of immigration from areas outside Western Europe.

EN-535 The Novel in English   Credits: 3
Term Offered: Fall Term
Course Type(s): EN.2, EN.LT
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-537 British Romanticism   Credits: 3
Term Offered: All Terms
Course Type(s): EN.2, EN.LT
Investigation of British Romanticism as a self-consciously defined movement in literature. Will also consider how "Romanticisms" have been read and defined historically.

EN-538 Victorian Novel   Credits: 3
Term Offered: Fall Term
Course Type(s): EN.2, EN.LT
Through a close thematic and formal analysis, this course will study how British Victorian novels responded to the momentous social, political and intellectual changes of their time.

EN-540 Modernism in Britain and Ireland   Credits: 3
Term Offered: All Terms
Course Type(s): EN.2, EN.LT
Study of British and Irish modernism in the context of twentieth-century culture and history.

EN-541   Utopias   Credits: 3
Term Offered: Spring Term
Course Type(s): EN.LT
The significance of utopian proposals and attempts to create utopian communities in the history of ideas. From the utopias of Plato and More to dystopian visions of the Brave New World to 1984 and science fiction as a utopian genre.

EN-542   Contemporary American/British Literature   Credits: 3
Term Offered: Fall Term
Course Type(s): EN.2, EN.LT
This course will explore American and/or British literature written in English from the "contemporary" period. These works will be critically examined via close readings and discussions within a literary, historical, cultural, and/or theoretical framework.

EN-544   Irish Literary Studies   Credits: 3
Term Offered: All Terms
Course Type(s): EN.2, EN.LT
Ireland's literary tradition in English from the eighteenth-century to today. Different semesters may focus on a particular period, genre or theme within Irish literature, such as Irish drama, the eighteenth century tradition, W.B. Yeats and his circle or James Joyce and Irish Modernism.

EN-546   Historical Persuasion and Argumentation   Credits: 3
Term Offered: Fall Term
Course Type(s): EN.4, EN.RW
Examines important texts in the history of persuasion and argumentation. Covers the era when Rhetoric - the study and practice of persuasion and argumentation - was one of the fundamental disciplines (the "Trivium") that every educated person had to learn.

EN-547   Definitions of Contemporary Rhetoric   Credits: 3
Term Offered: All Terms
Course Type(s): EN.4, EN.RW
Examines the use of language in a number of key spheres of human communication with the ultimate objective of constructing a usable definition of modern rhetoric. Work in the course is especially concerned with defining more precisely the boundaries of contemporary rhetoric and language theories to gain a deeper understanding of the richness and dangers of language in our own written expression.

EN-548   Rhetoric of Science and Society   Credits: 3
Term Offered: Fall Term
Course Type(s): EN.4, EN.RW
Examination of how language-using agents (corporate, governmental, educational, journalistic, and scientific) outside the activities of a professional scientific community (and sometimes within it) rely on the dominance and force of scientific language and its symbol systems to influence the society we live in.

EN-550   Feminist Theory and Criticism   Credits: 3
Term Offered: Fall Term
Course Type(s): EN.4, EN.RW
Examines the theories and strategies developed and used by feminist theorists and literary critics to explore a range of visual and written texts. Includes focus on gender-related experiences in literature and culture.

EN-558   Teaching Composition   Credits: 3
Term Offered: All Terms
Course Type(s): EN.RW, EN.4
The scholarship and methods of teaching composition with a focus on the collaboration experience of the writing process, one-on-one conferencing, and integration of language skills.

EN-560   Early American Literature   Credits: 3
Term Offered: All Terms
Course Type(s): EN.1, EN.LT
The development of American literature in various genres through the Colonial, Revolutionary War, and Early Republic periods.

EN-561   Nineteenth Century American Literature   Credits: 3
Term Offered: All Terms
Course Type(s): EN.2, EN.LT
Major works of American literature from 1830 to World War I will be critically examined to place them in their literary context and discover the techniques used by their authors.

EN-563   Linguistics and the English Language   Credits: 3
Term Offered: All Terms
Course Type(s): EN.4, EN.RW
Includes 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-565   New Jersey's Literary Heritage   Credits: 3
Term Offered: Spring Term
Course Type(s): EN.2, EN.LT
The development of New Jersey's literary heritage in various genres from the Colonial period to the present, through analyses of representative works from different regions of the state, with emphasis on their local significance and their relationship to national literary trends.

EN-571   Modern American Literature   Credits: 3
Term Offered: Spring Term
Course Type(s): EN.2, EN.LT
Major works of American literature written between 1910 and 1945 will be critically examined and placed within a literary context in order to discuss techniques used by their authors.

EN-581   Women in Literature   Credits: 3
Term Offered: Spring Term
Course Type(s): EN.LT
Investigates the role of women in literature as writers, readers and subjects. Includes theoretical consideration of gender. Topics vary by semester.

EN-598   Special Topics in English   Credits: 3
Term Offered: All Terms
Course Type(s): None
The subject matter varies with the interest of the students and of the professor teaching the course. The exact nature of the topic covered in any given semester is indicated in the student's transcript. If a prerequisite is required it will be announced in the course schedule.

EN-599   Independent Study in English   Credits: 3
Term Offered: All Terms
Course Type(s): None
Reading and research under the direction of a member of the English faculty. A minimum of six, face-to-face meetings are required; bi-weekly meetings are the norm. Prior permission of the directing professor and department chair is required to take this course.

EN-607   Seminar in Creative Writing: Non-Fiction   Credits: 3
Term Offered: Spring Term
Course Type(s): EN.CW, EN.RW
Students will analyze, in a workshop setting, readings in creative non-fiction to understand and become aware of the variant forms, techniques, and approaches used. As workshop participants, students will write and analyze their own creative nonfiction pieces. This course may be retaken for credit.

EN-609   Seminar in Creative Writing: Poetry   Credits: 3
Term Offered: All Terms
Course Type(s): EN.CW
Students analyze in a workshop setting readings in contemporary poetry to observe techniques in craft, and present their own poetry for intensive examination by workshop participants. The course may be retaken for credit.

EN-611   Seminar in Creative Writing: Fiction   Credits: 3
Term Offered: Fall Term
Course Type(s): EN.CW
Students will analyze in a workshop setting readings in both American and World fiction to observe techniques in craft and present their own short stories for intensive examination by workshop participants. This course may be retaken for credit.

EN-613   Seminar in Creative Writing: Playwriting   Credits: 3
Term Offered: All Terms
Course Type(s): EN.CW
In a workshop format, students will write, critique and perform stage readings of their classmates' plays. This course may be retaken for credit.

EN-615   Seminar in Creative Writing: Writer's Craft   Credits: 3
Term Offered: All Terms
Course Type(s): EN.CW
An in-depth study of the creative writing process. 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. This course may be retaken for credit.

EN-617   Advanced Academic Writing   Credits: 3
Term Offered: Summer Term
Course Type(s): EN.RW
Designed for the graduate student interested in sharpening his or her writing skills for the purpose of developing publication-quality articles. Content and assignments are structured in such a way as to provide practice in accelerated academic prose and, ideally, to produce a publication-quality article by the end of the course. Taught in a lecture/discussion and workshop format.

EN-619   Writing and the World Wide Web   Credits: 3
Term Offered: Fall Term
Course Type(s): EN.RW, EN.4
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, and wikis. Topics examined include authorship, narrative, and multimedia participation, design, and creation.

EN-644   Manuscript Seminar   Credits: 3-6
Prerequisite(s): Completion of 21 credits with a minimum G.P.A. of 3.00 and a minimum of 6 credits of courses with a course type of ENCW
Term Offered: All Terms
Course Type(s): None
Completion of a single-genre manuscript under the direction of a first reader who is a member of the English Graduate faculty, in consultation with a second reader, who is a full-time faculty member. A minimum of six face-to-face meetings are required; bi-weekly meetings are the norm. The manuscript will consist of at least forty pages of poetry or prose, or approximately eighty pages of drama, half of which may be work begun in previous graduate creative writing courses and substantially revised for this course. The manuscript will include a three to five-page Introduction. In addition, a twenty-item annotated bibliography of at least twenty pages must be submitted. Once the manuscript has been judged as satisfactory by both readers, the Graduate Program will schedule an oral defense to be attended by both readers as well as the Graduate Program Director. This is a pass/fail course.

EN-650   Internship Seminar   Credits: 3
Prerequisite(s): 12 credits from English MA or MFA, consent of the graduate advisor, and internship placement
Term Offered: All Terms
Course Type(s): None
A seminar designed for students who are pursuing professional experience through internships appropriate to those pursuing an advanced degree in creative writing.

EN-652   Craft Intensive Seminar in Creative Writing   Credits: 3
Term Offered: All Terms
Course Type(s): EN.CW
Intensive study of advanced creative writing craft techniques. Genre and seminar topics vary by professor. Repeatable once for credit.

EN-655A   MFA Creative Thesis Seminar   Credits: 3
Prerequisite(s): 39 credits in English
Term Offered: All Terms
Course Type(s): None
A two-semester capstone project for the MFA program under the guidance of two faculty readers, culminating in a substantial creative project of 100 pages or the equivalent of a book-length manuscript. The first reader must be an MFA faculty member, the second reader a member of the Creative Writing faculty.

EN-655B   MFA Creative Thesis Seminar II   Credits: 3
Prerequisite(s): EN-655A and 39 credits in English
Term Offered: All Terms
Course Type(s): None
Part II of a two-semester capstone project for the MFA program under the guidance of two faculty readers, culminating in a substantial creative project of 100 pages or the equivalent of a book-length manuscript. The first reader must be an MFA faculty member, the second reader a member of the Creative Writing faculty.

EN-674   Professional Research with Service Learning   Credits: 3
Term Offered: All Terms
Course Type(s): EN.CW, EN.LT, EN.RW
An independent study designed for students who want to explore and prepare for careers that are appropriate for holders of advanced degrees in English. It can fulfill a literature, rhetoric, or creative writing elective. Students will produce an annotated bibliography and researched writing totaling at least 25 pages, a service learning component that offers practice experience, and a curriculum vitae or resume, cover letter, and Linked In profile.

EN-691   English Thesis Development   **Credits: 3**
Prerequisite(s): 12 credits and a minimum G.P.A. of 3.00
Term Offered: All Terms
Course Type(s): None
An intensive and rigorous study of an author, topic, or theme developed under the direction of and evaluated by a thesis advisor who is a member of the English Graduate faculty in consultation with another full-time faculty member. A minimum of six face-to-face meetings are required; bi-weekly meetings are the norm. The thesis may be based upon a paper completed in a course taken in a previous semester and further developed under the direction of the professor in that course. By the end of the semester, students will submit a twenty-five item annotated bibliography and a ten-page review of recent scholarship. A student who wishes to complete Thesis Development in Summer must register in Session C, and then only with a Thesis Advisor in residence for the majority of the term and with permission of the Graduate Program Director.

EN-692   English Thesis Writing   **Credits: 3**
Prerequisite(s): EN-691, completion of 21 credits, and a minimum GPA of 3.00
Term Offered: All Terms
Course Type(s): None
Completion of the writing of the thesis under the continuing direction of a thesis advisor who is a member of the English Graduate faculty. A minimum of six face-to-face meetings are required; bi-weekly meetings are the norm. The thesis must comprise of between thirty and sixty pages (not including works cited) and will be evaluated by the thesis advisor in consultation with another full-time faculty member. Once the thesis has been judged as satisfactory by both readers, the Graduate Program will schedule an oral defense to be attended by both readers as well as the Graduate Program Director. Students may not register for Thesis Writing EN-692 in a summer session.

EN-699   Independent Study in English   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Reading and research under the direction of a member of the English faculty. A minimum of six, face-to-face meetings are required; bi-weekly meetings are the norm. Prior permission of the directing professor and department chair is required to take this course.

Foreign Language (FO)

FO-LTIOPIG   Oral Proficiency Interview - GR   **Credits: None**
Term Offered: All Terms
Course Type(s): None
Language Testing International Examination for graduate students; requires one-hour preparation a week. This is a pass/fail course.

FO-598   Special Topics in Foreign Languages   **Credits: 3**
Term Offered: All Terms
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-599   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, French (FF)

FF-511   Intensive Study: French   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Readings and research on an area or topic in the field of French, chosen under the guidance of the instructor; weekly conferences and written reports.

Foreign Language, Spanish (FS)

FS-511   Intensive Study: Spanish   **Credits: 3**
Term Offered: All Terms
Course Type(s): TPS
Readings and research on an area or topic in the field of Spanish, chosen under the guidance of the instructor; weekly conferences and written reports.

FS-512   Intensive Study: Spanish   **Credits: 3**
Prerequisite(s): FS-511
Term Offered: All Terms
Course Type(s): TPS
Readings and research on an area or topic in the field of Spanish, chosen under the guidance of the instructor; weekly conferences and written reports.

FS-599   Independent Study in Spanish   **Credits: 3**
Term Offered: All Terms
Course Type(s): TPS
Development and execution of a relevant reading and research project leading to significant written work designed by the student in consultation with the research director. Subject chosen for study should be related with any area of Spanish or Spanish American literature of special interest to the student. Students applying must demonstrate their knowledge of research techniques and their ability to apply them to the specific area of study chosen. It is also required that the students should be able to present the results of their research in appropriate written and oral form. Permission of the program director, chair, and research director is required to take this course. The student must be within the last twelve credits of graduation and have a G.P.A. of at least 3.00.

Geography (GO)

GO-500   Theories and Methods of Geographic Information Systems
                                                                 Credits: 3
Term Offered: All Terms
Course Type(s): None
Provides students with a solid foundation in the theories and methods of Geographic Information Systems. Students gain knowledge of important applications as well as the acquisition, accuracy, formatting, management, analysis and manipulation of data. When students complete this course, they are expected to know: what GIS is, what GIS can and cannot do, how data is stored, and how data in GIS is manipulated and analyzed to satisfy a project's goals.

GO-501   Advanced GIS Applications and Project Implementation

Credits: 3

Prerequisite(s): GO-500
Term Offered: Spring Term
Course Type(s): None
Enables students to deepen their understanding of the software, theory, and applications of GIS. Upon completion of the course, students will have developed two projects as part of their portfolio: one in GIS implementation and one in project design and analysis within their particular area of study.

GO-510   Cartography in GIS   **Credits: 3**

Term Offered: All Terms
Course Type(s): None
Introduction to the study of cartography within Geographic Information Systems. 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 learn to make maps using GIS software.

GO-515   Visual Basic for GIS   **Credits: 3**

Prerequisite(s): GO-500
Term Offered: Fall Term
Course Type(s): None
Visual Basic is becoming the primary programming tool for developing Windows applications in most GIS environments. Students will learn fundamental programming techniques and advanced methodologies, including component programming and object-oriented data structures. They will have hands-on experience and at the end of the semester will be able to customize and expand GIS functions for different GIS applications.

GO-520   Spatial Database Design and Management in GIS   **Credits: 3**

Co-requisite(s): AN-524 or GO-524
Term Offered: All Terms
Course Type(s): None
Spatial databases make up the foundation for Geographic Information Systems. This course focuses on proper design, implementation, and management of spatial databases. Students will consider both logical and physical design. Students will get the theoretical training as well as hands-on experience.

GO-524   Introduction to Geographical Information Systems (GIS)

Credits: 3

Term Offered: Spring Term
Course Type(s): None
Provides both the theoretical and methodological background for proficient use of Geographical 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. Also listed as AN-524.

GO-530   Advanced Techniques and Technology in GIS   **Credits: 3**

Prerequisite(s): GO-500
Term Offered: Summer Term
Course Type(s): None
Covers current topics within the field of Geographic Information Systems. The topics will change each semester depending on the changes within the discipline and the needs of students. Such areas of study will include ArcInfo, Geomedia, Avenue Programming, Visual Basic for GIS, and Arcview extensions.

GO-540   Spatial Analysis   **Credits: 3**

Prerequisite(s): AN-524 or GO-524
Term Offered: All Terms
Course Type(s): None
Focuses on methods of spatial analysis and various kinds of modeling within GIS. Included are such topics as 3-D terrain visualization and analysis, locational and network modeling, map algebra, and spatial statistics.

GO-559   Remote Sensing and GPS   **Credits: 3**

Term Offered: All Terms
Course Type(s): None
Students will learn the principles of remote sensing, digital image processing, and image analysis. Students will also learn the basic principles of GPS, how to integrate GPS data with other GIS data sets, and how quality can affect problem solving and decision making.

GO-580   GIS and Society   **Credits: 3**

Term Offered: All Terms
Course Type(s): None
Examines the political, economic, legal, ethical, and social implications of GIS. Students will learn how GIS influences policy decisions. Topics include societal effects of GIS including issues of privacy, representation, and access to technology.

GO-599   Independent Study in Geography   **Credits: 1-3**

Term Offered: All Terms
Course Type(s): None
Reading and research under the direction of a member of the Geography faculty. Prior permission of the directing professor and department chair is required to take this course.

History (HS)

HS-CPE   History Comprehensive Exam   **Credits: None**

Term Offered: All Terms
Course Type(s): None
History Comprehensive Exam. This is a pass/fail course.

HS-THD   Thesis Defense   **Credits: None**

Term Offered: All Terms
Course Type(s): None
History Thesis Defense. This is a pass/fail course.

HS-501   Historical Criticism   **Credits: 3**

Term Offered: Spring Term
Course Type(s): None
History as a scholarly discipline, with emphasis on historical interpretation and philosophy since Classical Antiquity, the evaluation of sources, and the rules of critical analysis. A research paper will be required.

HS-502   The Philosophy of History   Credits: 3
Term Offered: Spring Term
Course Type(s): None
Analysis and appraisal of representative writings and philosophies of great historians from Classical Antiquity to modern times, reflecting the development of history as a scholarly discipline.

HS-503   Introduction to the Study of World History   Credits: 3
Term Offered: Fall Term
Course Type(s): HSNW, HSWLD
Introduces students to the growing field of World History, surveying the developments in the field since the nineteenth century. Examines key concepts and methods, and explores major themes and categories of analysis, including empire, nationalism, gender, and law. Required of all students in the World History specialization.

HS-504   Ancient Civilizations of Native America   Credits: 3
Term Offered: Fall Term
Course Type(s): HSNW
Cultural developments in Mesoamerica and the Central Andes from the development of agriculture to the Spanish conquest, focusing on Inca and Aztec civilizations; theoretical exploration of developmental similarities between the two regions. Also listed as AN-504.

HS-505   U.S. Women's History   Credits: 3
Term Offered: Fall Term
Course Type(s): HSUS
Explores U.S. Women's History and focuses on how women of different socioeconomic backgrounds, races, and ethnic groups have experienced cultural transformations and political change. Emphasis will be on the significance of citizenship, political agency, the cultural construction of race and gender, and reproductive rights.

HS-506   Historical Archaeology   Credits: 3
Term Offered: Fall Term
Course Type(s): HSUS
An intensive introduction to historical and industrial archaeology (c. 1492+). Topics covered include exploration, imperialism, colonization, industrialization and urbanism. Archaeological field methods and the interpretation of material culture are also introduced. Also listed as AN-506.

HS-510   Seminar in American History   Credits: 3
Term Offered: All Terms
Course Type(s): HSUS
Selected topics in American history, with emphasis on techniques of independent historical research and writing.

HS-511   Readings on American Colonial History   Credits: 3
Term Offered: Spring Term
Course Type(s): HSUS
Readings in recent writings in monographs and periodicals devoted to social, economic, and political aspects of American colonial history.

HS-512   American Revolution and Constitutional Issues, 1763-1789   Credits: 3
Term Offered: All Terms
Course Type(s): HSUS
Problems of Empire; the causes, course, and consequences of the American Revolution; the continuing revolution within the states and under the Articles of Confederation; and postwar struggles resulting in the adoption of the Constitution.

HS-515   The Civil War and Reconstruction   Credits: 3
Term Offered: All Terms
Course Type(s): HSUS
The economic, social, and political forces in the United States during the years 1850-1877 relating to the onset, nature, and impact of the Civil War and Reconstruction, and the Black Revolution.

HS-518   United States Family History   Credits: 3
Term Offered: Fall Term
Course Type(s): HSUS
This seminar explores United States Family History and the social construction of the family, its many diverse forms, and the relationship between society and the family. Analyzing issues of race, class, ethnicity, gender, and sexuality will further enable us to consider the history of the family form. We will cover such diverse topics as the history of adoption, courtship, and divorce.

HS-519   Harlem Renaissance and the New Negro Era   Credits: 3
Term Offered: All Terms
Course Type(s): HSUS
This course is a graduate seminar on the history of the cultural and intellectual movement in African American life in the 1920s and 1930s known as the Harlem Renaissance and New Negro era characterized by developments in poetry, literature, and in the visual arts. Although Harlem was the center of African American life and culture at the time, this phenomenon had both national and global dimensions. In this course, we will focus on race, gender, class and sexuality in the Harlem Renaissance and New Negro era beyond Harlem including some discussion of negritude across the African Diaspora and negrismo in the Spanish speaking Caribbean. This course includes an examination of the Harlem Renaissance and New Negro era from multiple perspectives including literary, artistic, cinematic, economic, and philosophical aspects of this critical moment in African American history.

HS-520   Field Methods Arch   Credits: 3
Term Offered: Summer Term
Course Type(s): None
An introduction to archaeological field methods: survey and excavation. Students will also learn excavation procedures, descriptive note writing, and drawing, and be introduced to archaeological photography, mapping, reporting, conservation and curation. Supervised fieldwork will be conducted on archaeological sites. Also listed as AN-520.

HS-522   History Urbanization in America   Credits: 3
Term Offered: All Terms
Course Type(s): HSUS
Provides an interdisciplinary study of the history of urbanization and industrialization in the United States from the mid-nineteenth century to the early twentieth century. Using the themes of community, technology, public policy, and immigration, students will examine the development and changes in the social, physical, political, and economic urban landscape. Also listed as PS-522.

HS-525   World War II   Credits: 3
Term Offered: All Terms
Course Type(s): HSEU, HSUS
Considers the military, economic, and political characteristics of the Allied and Axis powers and the strategies they produced; examines the military campaigns, the wartime economics, 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-526   The Cold War   Credits: 3
Term Offered: All Terms
Course Type(s): HSEU, HSUS, HSWLD
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; the diplomacy, propaganda, and armed might used to wage it; and the impact it had on participants' politics and culture.

HS-527   United States Military History   Credits: 3
Term Offered: All Terms
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-528   History of Consumerism in America   Credits: 3
Term Offered: Spring Term
Course Type(s): HSUS
A seminar that explores the origins of the consumer culture and the multitude of ways in which it has shaped American society. We consider both the reverence of and the critiques of consumerism, analyzing race, class, gender, ethnicity, and geography in our consideration of consumer ideology and practices. Advertising, marketing, sales, and the consumer will all be considered in our analysis of the history of consumerism.

HS-529   History of Sexuality in America   Credits: 3
Term Offered: All Terms
Course Type(s): HSUS
A seminar that explores the cultural history of sexuality in the United States. We will consider how race, class, and gender have influenced ideas about sexuality, morality, and power. Major topics include prostitution; reproduction; gay, lesbian, and transgender sexualities; sexually transmitted diseases; and sexual representation and censorship. Working with monographs, scholarly articles, and primary sources that come from throughout American history, we will explore the ways in which sexuality has both shaped and been affected by this nation's history.

HS-530   New Jersey History   Credits: 3
Term Offered: All Terms
Course Type(s): HSUS
A study of New Jersey history especially as a venue for exploring general trends in American history. Topics covered include New Jersey's Native Americans, colonial settlement, the proprietary government, agricultural unrest, the American Revolution, Federalism, slavery, industrialization, urbanization and suburbanization.

HS-531   Studies in Ancient History   Credits: 3
Term Offered: Fall Term
Course Type(s): HSEU
Readings and discussion of principal aspects of Graeco-Roman culture, with emphasis on the contribution of Classical Antiquity to Western Civilization and recent research in the field.

HS-532   Native American History and Prehistory   Credits: 3
Term Offered: Fall Term
Course Type(s): HSNW, HSWLD
Examines North America's native people in the area north of the Rio Grande. It combines North American prehistory with a historical overview of Native American experiences since contact. Evidence from archaeology, oral histories, and written sources are all presented. Challenges facing modern Native Americans are also examined. Also listed as AN-532.

HS-533   The History of Public Policy in the United States Credits: 3
Term Offered: Fall Term
Course Type(s): HSUS
The objective is to survey major issues in domestic public policy. The emphasis is on changes in the process of policy formation in both the public and private sectors. Also listed as PS-533.

HS-535   The Renaissance   Credits: 3
Term Offered: All Terms
Course Type(s): HSEU
Europe in transition from the fourteenth to the sixteenth century; the crisis of the church, humanism and art, politics and diplomacy, exploration and discovery, science and the occult.

HS-536   The Reformation   Credits: 3
Term Offered: All Terms
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.

HS-537   Power and Enlightenment: Europe 1648-1789   Credits: 3
Term Offered: Summer Term
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; and the ideals and goals of the European enlightenment, developing social and political tensions, and enlightened despotism.

HS-541   Graduate Seminar in European History   Credits: 3
Term Offered: All Terms
Course Type(s): HSEU
Selected topics in European history, with emphasis on techniques of independent historical research and writing.

HS-542   French Revolution   Credits: 3
Term Offered: Spring Term
Course Type(s): HSEU
The causes of the Revolution; its relationship to the Enlightenment; the political, economic, social, and cultural consequences of the moderate phase and of the Terror.

HS-544   The German Empire, 1871-1914   Credits: 3
Term Offered: All Terms
Course Type(s): HSEU
The unification of the Empire; the political and social settlement imposed by Bismarck; the domestic crisis preceding World War I.

HS-545   World War I   Credits: 3
Term Offered: Spring Term
Course Type(s): HSEU
The international and domestic causes of the Great War; its political, economic, social, cultural, and psychological consequences in Britain, France, and Germany; its role in the birth of the modern age.

HS-546   The Weimar Republic, 1918-1933   Credits: 3
Term Offered: All Terms
Course Type(s): HSEU
The foundation of the first German republic as an outcome of revolution and defeat in war; its political and cultural innovations; the causes of its collapse.

HS-547   The Third Reich   Credits: 3
Term Offered: Fall Term
Course Type(s): HSEU
The ideological origins of Nazism; the consolidation and character of Nazi rule; the relation of Hitler with the German people; Nazism as revolution.

HS-548   African American Historiography from 1865 to the Present
                                                                       Credits: 3
Term Offered: All Terms
Course Type(s): HSUS
A graduate seminar on the historiography of African Americans from 1865 to the present. Students in this class will become familiar with the major topics, themes, methods and scholarly debates in this field that will then allow them to identify potential research topics in African American history, enhance their teaching on the subject, as public-school educators, while sharpening their critical and analytical thinking skills. Readings in this class include scholarly works on the history of emancipation, resistance, gender, the rise of Jim Crow, the Harlem Renaissance, the urban North, and the long Civil Rights-Black Power era to the New Jim Crow.

HS-549   James Baldwin's America   Credits: 3
Term Offered: All Terms
Course Type(s): HSUS
A graduate seminar on twentieth century U.S. history with an emphasis on race, gender, sexuality, religion and politics as chronicled through the writings, thoughts and ideas of James Baldwin. Baldwin is one of the foremost intellectuals in U.S. history. He wrote on a variety of subjects including art, culture, politics, religion, race, gender, and sexuality. Students in this class will become familiar with twentieth century U.S. history as expressed in the life and work of James Baldwin through a critical examination of his writings. Students will enhance their understanding of the subject of race and African Americans, as public-school educators and those with a scholarly interest in the subject, while sharpening their critical and analytical thinking skills after becoming familiar with the major themes, topics and history illustrated in the writings of one of the nation's most important intellectuals. Readings in this class include Baldwin's writings on religion, race, gender and sexuality from the mid-twentieth century to the 1980's.

HS-551   Graduate Seminar in British History   Credits: 3
Term Offered: All Terms
Course Type(s): HSEU
Selected topics in modern English and British history, with emphasis on techniques of historical research.

HS-553   Tudor-Stuart England   Credits: 3
Term Offered: Fall Term
Course Type(s): HSEU
The political, religious, social, and cultural history of England in the sixteenth and seventeenth centuries: Tudor absolutism, the English Reformation, the rise of Puritanism, social and economic change, the conflict between crown and Parliament, the English Civil War, and the Revolution of 1688.

HS-561   Twentieth Century Russia and the Soviet Union   Credits: 3
Term Offered: Fall Term
Course Type(s): HSEU
Studies in the transformation of Russian society, with emphasis on the revolutionary movements and the economic, social, and political institutions of Soviet Russia.

HS-562   History of Maps and Mapping   Credits: 3
Term Offered: All Terms
Course Type(s): HSEU, HSNW, HSWLD
Students will study the historical developments in cartographic technique, the development of mapping in different parts of the world, and the future of mapping in the computer age. Students will focus on the ways the events and ideology of a time period influence maps and mapping, and how in turn mapping influences history and ideology. Also listed an AN-562.

HS-563   Twentieth Century East Central Europe   Credits: 3
Term Offered: Spring Term
Course Type(s): HSEU
The political, economic, and social development of the lands between Germany and Russia, emphasizing the breakdown of the Ottoman and Hapsburg empires, the rise of the independent successor states between the wars, the Soviet takeover in the post-war era, and the development of "national" communism and polycentrism.

HS-572   The History of Tourism   Credits: 3
Term Offered: Fall Term
Course Type(s): HSEU, HSWLD
Students will study the history of tourism in different parts of the world from political, social, cultural, geographic, and economic perspectives. This will include an examination of historical differences in tourist attractions, tourist behaviors, and impacts on tourist destinations and their people. Students will also study how historical memory and interpretation shapes the contemporary tourist experience, as well as questions concerning authenticity and tourism. Also listed as AN-572.

HS-573   Ecological Imperialism   Credits: 3
Term Offered: All Terms
Course Type(s): HSWLD
Ecological History will examine the relationship between human society(ies) and the natural world over recorded time. As an interdisciplinary exercise this class will draw on the natural sciences, anthropology, and history to better understand the biological, cultural, imperial, ethical, economic, religious, political, and global ramifications of the relationship between humanity and humanity's "natural" surroundings. Also listed as AN-573.

HS-581   Seminar in East Asian History   Credits: 3
Term Offered: Fall Term
Course Type(s): HSNW
A study of selected topics in Chinese or Japanese history, with emphasis on techniques of historical research.

HS-584   Japanese Empire   Credits: 3
Course Type(s): HSNW, HSWLD
This course fits into the curriculum on multiple levels. MA students in history with a concentration in world history will have a new course to consider that will broaden their understanding of modernity, empire, and global imperialism. This course seeks to expand the current history curriculum by focusing on East Asia, an important region that has not been previously covered in graduate history courses.

HS-585   Colonialism in Africa   Credits: 3
Term Offered: All Terms
Course Type(s): HSNW
Analysis and appraisal of colonialism in Africa, reflecting on the political, economic, and sociocultural transformations, that occurred in Africa between 1880 and 1960. Also listed as AN-585.

HS-587   Nationalism in Africa   Credits: 3
Term Offered: Fall Term
Course Type(s): HSNW, HSWLD
Examines a major episode that transformed the political history of Africa in the twentieth century. It discusses how nationalism became an instrument of political change that led to the independence of African states. Begins by examining the concept of nationalism in Europe, how it was applied in Africa, and how it contributed to the struggle for independence.

HS-588   Decolonization in Africa 1940-1960   Credits: 3
Term Offered: Fall Term
Course Type(s): HSNW, HSWLD
Examines the process of transfer of power from colonial powers to Africans; the emergence of education elites; the rise of nationalism; implications of decolonization; and African expectations of independence.

HS-590   Paris, 1919: A World History   Credits: 3
Term Offered: Spring Term
Course Type(s): HSEU, HSWLD
Offers an examination of the Paris Peace Conference following World War I taking into account the ideologies and global themes of the time. Of particular interest, the course will examine nationalism, imperialism, state formation, militarism, and racism.

HS-591   Islam   Credits: 3
Term Offered: All Terms
Course Type(s): HSNW, HSWLD
This course examines Islamic history, culture, and art across the world, including but not limited to the Middle East, North Africa, the Balkans, and the Americas. Thematic coverage will include religious/spiritual/ritualistic, political, cultural, and intellectual changes, as well as, imperialism, the rise of nation-states, and cultural interaction with traditionally non-Islamic lands and peoples. Also listed as AN-591.

HS-595   History Internship/Practicum   Credits: 3
Prerequisite(s): Completion of twelve credits
Term Offered: All Terms
Course Type(s): None
Provides graduate students with the opportunity to gain substantive career experience and build specific applied skills by working in outside programs, institutions, agencies and firms engaged in the fields of public history, historical archeology and anthropology and regional geography.

HS-598   Special Topics in History   Credits: 3
Term Offered: All Terms
Course Type(s): None
Allows students to study a specific aspect of history. 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.

HS-599   Independent Study in History   Credits: 3
Term Offered: All Terms
Course Type(s): None
Reading and research leading to significant written work under the direction of a member of the History faculty. Prior permission of the directing professor and department chair is required to take this course.

HS-690   History Master's Thesis   Credits: 3
Term Offered: All Terms
Course Type(s): None
Reading and research leading to significant written work under the direction of a history faculty member, for the completion of the Master's program in the history department. Each thesis will be supervised by a "first reader" and a "second reader". First readers must be full-time faculty with terminal degrees in the field. Registration for thesis credits is completed after a successful defense of a prospectus (thesis proposal). This is a pass/fail course.

Homeland Security (HLS)

HLS-CPE   Homeland Security Comprehensive Examination Credits: None
Prerequisite(s): 33 credits in Homeland Security
Term Offered: All Terms
Course Type(s): None
The Homeland Security Comprehensive Examination is a zero-credit course that will allow students who have completed thirty-three credits of graduate course work in homeland security to take a comprehensive examination and complete their degree. This is a pass/fail course.

HLS-602   Theoretical Approaches to Homeland Security   Credits: 3
Term Offered: All Terms
Course Type(s): None
Examines the various theories and frameworks associated with homeland security. The theories and frameworks 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-610   Foundations of Homeland Security   Credits: 3
Term Offered: All Terms
Course Type(s): OL
Overview of homeland security basic management concepts, issues contributing to terroristic acts, and critical analysis of terrorist activities.

HLS-620   Terrorism: Causes and Consequences: The Unconventional Threat   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Provides students with an in-depth examination of the unconventional threat of terrorism and its impact on the Homeland Security enterprise by exploring the overall phenomenon of terrorism as well as the complex motivations, ideologies, goals, and tactics of various domestic and international groups. Cultural, religious, and economic influences on terrorism, and media impact, will be considered. Students will analyze these groups in light of historical, contemporary, and potential future acts of terrorism in order to understand the causes, consequences, and impact terrorism has on our society. Balances out topical issues related to state terrorism, political terrorism, religious and apocalyptic violence, the media and terrorism, weapons of mass destruction, terrorist tactics and targeting, and the operational and organizational dynamics of terrorism.

HLS-630   Homeland Security Intelligence   **Credits: 3**
Term Offered: All Terms
Course Type(s): OL
Acquaints students with the concepts and practices involved in the process of collecting, analyzing and evaluating intelligence and in managing the intelligence function, as well as the influence of intelligence in shaping homeland security decision making at the federal, state and local levels. It examines the structures, roles, and interactions of the foreign and domestic intelligence communities, the intelligence gathering and analysis of capabilities of criminal justice and private sector entities, and the use of intelligence processes to support homeland security investigations, planning, and intelligence applications to support strategic decision making.

HLS-640   Interdisciplinary Approach to Homeland Security   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Acquaints students with the concepts and practices among the various disciplines within the homeland security domain that provide the architecture for the nation's preparedness strategy. Provides an understanding of how the law, constitution and interaction between the various disciplines of homeland security and defense, in theory and practice affect the development and execution of homeland security operations, strategies, and policies in general. Explores the collaborative efforts of multiple disciplines drawn from all levels of the public and private sectors, how they integrate with one another, and how they collectively factor into the prevention of, response to, and recovery from major events. Conversely, it will enhance the students understanding of the various disciplines associated with homeland security including law enforcement, fire services, emergency management, infrastructure custodians, the military, public health, and government administrators.

HLS-650   Cyber Security   **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Examines current and emerging cyber threats and vulnerabilities. Focuses on policies and practices that govern cyberspace. Information systems technologies impact every aspect of twenty-first-century society and governance. At the same time, cyber capabilities hazard personal liberties, privacy, and homeland security. Students will explore emerging technologies that can facilitate and strengthen capability-specific national priorities to secure our cyberspaces and the homeland.

HLS-662   Psychopathology of Crime and Terrorism   **Credits: 3**
Term Offered: Fall Term
Course Type(s): OL
Discusses the psychology of criminal behavior and the development of the terrorist. Provides students with an in-depth examination of the psychological consequences of terrorism on a community and the impact of criminal behavior on a victim. Students will be exposed to the neurobiology of fear including predicators of maladaptive/pathological response, and the biological correlates of criminal behavior. Also listed as CJ-662.

HLS-665   Emergency Management for Homeland Security   **Credits: 3**
Term Offered: Spring Term
Course Type(s): OL
Examines the core principles of emergency management: prevention, mitigation, communication, response, and recovery. Focuses on the Federal Emergency Management Agency's 2011 Whole of Community approach to emergency management. Will assess emergency management's civil defense legacy to the current all-hazards role applied at the federal, state, and local levels. Students will examine the role of emergency managers in the homeland security framework through case studies. Incorporates real-world catastrophes that may occur immediately prior to/during the course semester.

HLS-670   Constitutional Issues in Homeland Security   **Credits: 3**
Prerequisite(s): HLS-610, HLS-620, HLS-630, and HLS-640
Term Offered: All Terms
Course Type(s): OL
Provides students with an in-depth examination of the U.S. Constitution and statutory authorities in the Homeland Security Era. Students will analyze the manner in which the U.S. Government balances public security and individual rights during homeland security crises. Balances out topical issues related to national security threats and Constitutional and statutory authorities that impact fundamental freedoms in the Homeland Security Era.

HLS-675   Technology for Homeland Security   **Credits: 3**
Prerequisite(s): HLS-610, HLS-620, HLS-630, and HLS-640
Term Offered: All Terms
Course Type(s): OL
Provides students with an overview of myriad technologies that have helped to shape the homeland security enterprise. Students will examine critical infrastructure and key resources threats and vulnerabilities that characterize the homeland security operational environment. Students will explore how past, present, and emerging technologies have been used and how they might be used in the future. Balances out topical issues related to risk, perception of risk, technological capabilities, security, cyber-attacks, health issues, and legal issues that impact homeland security. Students will explore elements of cyberterrorism and emerging technologies that can facilitate and strengthen capability-specific national priorities in order to improve national preparedness.

HLS-680   Comparative Government for Homeland Security   **Credits: 3**
Prerequisite(s): HLS-610, HLS-620, HLS-630, and HLS-640
Term Offered: All Terms
Course Type(s): OL
Provides students with an in-depth examination of other countries' homeland security governance and policies with a focus on counterterrorism laws, security, law enforcement, emergency response, and public health. Students will analyze other countries' traditions, political and bureaucratic institutions, and policies that might inform the U.S. homeland security enterprise. Designed to provide students with homeland security-related lessons learned and smart practices employed by other countries that, if adapted, scaled, and measured to the vision, mission, and purpose of a U.S. jurisdiction/organization, might make safe and secure the nation.

HLS-685   Strategic Plan for Homeland Security   **Credits: 3**
Prerequisite(s): HLS-610, HLS-620, HLS-630, and HLS-640
Term Offered: Fall Term
Course Type(s): OL
Provides students with an in-depth examination of strategic planning, especially as it relates to the homeland security enterprise. Students will explore how organizations identify, plan, and implement their strategy objectives. Students will analyze past, current, and future homeland security strategy objectives and identify both lessons learned and not learned. Students will develop a comprehensive strategic homeland security strategy to make safe and secure the nation.

HLS-690   Policy Analysis and Research Methods in Homeland Security
     Credits: 3
Term Offered: All Terms
Course Type(s): OL
Requires students to construct an original research proposal that critically analyzes one aspect of the homeland security field within the United States of America. To do so, the course begins with a review of the tenets of sound research in the social sciences and proceeds with the development of a research proposal that includes the formulation of a research question and subsequent hypothesis, a review of the pertinent literature, and the development of a detailed methodology with which to conduct the research. Additional attention is devoted to the practical, ethical, and political issues that arise when conducting research and evaluation within the agencies, organizations, practices, and policies that fall under the auspices of the Department of Homeland Security.

HLS-695   Knowledge into Practice: Homeland Security Capstone Course
     Credits: 3
Prerequisite(s): HLS-690
Term Offered: All Terms
Course Type(s): OL
Provides students with a synthesis and an evaluation of Monmouth University's Masters in Homeland Security core curriculum functions and competencies: (1) Political, legal, and managerial context of homeland security, (2) Technology and its applications in homeland security, (3) Research, program evaluation, and needs assessment and their application to homeland security, and (4) Current and emerging homeland security threats. Students prepare an evidence-based research paper that applies the core curriculum functions and competencies to a related homeland security issue.

HLS-699   Independent Study in Homeland Security   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Provides students the opportunity to focus on a specific area of interest within homeland security. Research, reading and faculty-student communications will result in a significant written project. The supervising faculty member will meet weekly with the student to monitor progress and provide feedback. Prior permission of the selected faculty member, program director, and chair is required to take this course.

Management Information Systems (MIS)

MIS-514   Networks   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
An introductory-level course on the hierarchy of networking software and hardware. Particular emphasis on Medium Access Control, Network layer, Transport layer, and Session layer. Several MAC-layer protocols, TCP/IP. Also listed as CS-514.

MIS-517   Database Design and Management   **Credits: 3**
Prerequisite(s): CS-503 passed with a grade of B or higher
Term Offered: All Terms
Course Type(s): None
Introduction to database systems, data modeling, design theory and methodologies, query languages and query processing. Coverage of relational database model and design, normalization process, SQL, hands-on database design and application development. Also listed as CS-517.

MIS-525   Information System Architecture   **Credits: 3**
Prerequisite(s): MIS-565 or SE-565
Term Offered: All Terms
Course Type(s): None
Serves as an introduction to information systems architecture. The topics covered deal with an introduction to database systems, data models, the relational database model, the entity relation model, normalization, advanced data modeling, SQL, database design, transactions, performance, distributed database systems, and data warehouses. For MSIS students only. Also listed as SE-625.

MIS-550   Software Project Management   **Credits: 3**
Prerequisite(s): SE-505
Term Offered: Fall Term
Course Type(s): None
Project Management techniques and their application to the management of software projects. How to develop a software development plan and its associated tasks, milestones and deliverables. Software project scheduling and the establishment of relationships among the different tasks. Tasks, dependencies and conflict resolution. Resource management and allocation. Software project cost estimation. Algorithmic models for estimating costs: the COCOMO model and its derivatives. Risk assessment and its impact in the planning and scheduling of software projects. Software project measurement and tracking. Comparative review of software tools for software project management. Software configuration management and its importance in the management of large software projects. For MSIS students only. Also listed as SE-650.

MIS-551   Software Organization Management   **Credits: 3**
Prerequisite(s): SE-505
Term Offered: Spring Term
Course Type(s): None
Management issues regarding the software process. Authority and delegation. Leadership and leadership paradigms. Software team management organization, staffing and evaluation. Organizational alternatives. Centralized vs. decentralized organizations. Managing design, development and testing teams. Managing software support organizations. Strategies for staffing: minimal vs. redundant staffing. Combining generalists and specialists to achieve an optimal staff configuration. Staff development and growth. Fostering professional growth within the organization. Evaluation strategies and techniques. Compensation and reward issues. For MSIS students only. Also listed as SE-651.

MIS-565   Software System Requirements   **Credits: 3**
Prerequisite(s): CS-501A, SE-505, and SE-511
Term Offered: All Terms
Course Type(s): None
Students will learn advanced methods in software systems requirements. Ideally, these methods should be applied at the system, enterprise or global levels of software development. Methods in requirements elicitation, modeling of enterprises, prioritization and negotiation of requirements will be emphasized. Methods for including COTS into system applications and product families will be introduced. By the end of the course, students will master the standard documentation of system requirements. Many opportunities for hands-on experience with requirement tools will be provided throughout the course. For MSIS students only.

MIS-575   Software Verification, Validation and Maintenance   **Credits: 3**
Prerequisite(s): CS-501A and SE-505
Term Offered: Fall Term
Course Type(s): None
Explores the techniques employed to insure quality in a software product developed in a controlled and disciplined environment. Detailed examination of software testing and inspection principles and methodologies. Provides specific methods for test case selection and inspection development leading to optimization of resource management in the software environment. For MSIS students only.

MIS-588   Information Systems Practice and Experience   **Credits: 1**
Term Offered: Summer Term
Course Type(s): None
Provides opportunity for international Information Systems graduate students on an F1 student visa to obtain related experience via employment at a local company or institution, with Monmouth University sponsorship. Available only to Information Systems graduate students who have completed at least 18 credit hours of graduate courses (500-600 level), with a minimum G.P.A. of 3.00. This course does not satisfy elective requirements. Students may take this course a maximum of two times. Limited to MSIS students on an F1 Student Visa. This is a pass/fail course.

MIS-623   Management Information Systems   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
A survey of the concepts of management information systems and the information needs of management. A user-oriented introduction to the fundamentals of information systems and their integration into business organizations. Also listed as SE-623. Not open to students who have successfully completed BM-520.

MIS-691   Management Information System Thesis I   **Credits: 3**
Prerequisite(s): BM-520, MIS-525, MIS-565 and either MIS-517 and MIS-514 and MIS-575 or BM-565 and MIS-550 and MIS-551
Term Offered: Fall Term
Course Type(s): None
First semester of independent research in management information systems, spanning a period of two consecutive semesters in an area not substantially covered in a regular course offering, under the supervision of a faculty member. A formal thesis is required. An oral defense of the thesis before a committee of two faculty members who teach MIS courses, plus the advising professor is required. Depending on the topic, a reviewer from outside the program faculty may be asked to serve as a committee member. For MSIS students only.

MIS-692   Management Information System Thesis II   **Credits: 3**
Prerequisite(s): MIS-691
Term Offered: Spring Term
Course Type(s): None
Second semester of independent research in management information systems, spanning a period of two consecutive semesters in an area not substantially covered in a regular course offering, under the supervision of a software engineering faculty member. A formal thesis is required. An oral defense of the thesis before a committee of two faculty members who teach MIS courses, plus the advising professor is required. Depending on the topic, a reviewer from outside the program faculty may be asked to serve as a committee member. For MSIS students only.

MIS-695A   Management Information System Practicum I   **Credits: 3**
Prerequisite(s): BM-520 or MIS-623 and MIS-525 and MIS-565
Term Offered: All Terms
Course Type(s): None
A two-semester course sequence with major emphasis on a hands-on, team-oriented software development project. Students will be asked to form groups of three to five persons, which will work as a team whose purpose will be propose, plan, develop and market a software product. The teamwork exercise will be accompanied by readings, lectures and seminar discussions on economics, organizational behavior and management, managerial and financial accounting, finance, marketing, quantitative business modeling, electronic commerce, logistics, ethics, law and social responsibility. For MSIS students only.

MIS-695B   Management Information System Practicum II   **Credits: 3**
Prerequisite(s): MIS-695A
Term Offered: All Terms
Course Type(s): None
A two-semester course sequence with major emphasis on a hands-on, team-oriented software development project. Students will be asked to form groups of three to five persons, which will work as a team whose purpose will be to propose, plan, develop and market a software product. The teamwork exercise will be accompanied by readings, lectures and seminar discussions on economics, organizational behavior and management, managerial and financial accounting, finance, marketing, quantitative business modeling, electronic commerce, logistics, ethics, law and social responsibility. For MSIS students only.

MIS-699   Individual Research Project in Management Information Systems   **Credits: 1-3**
Course Type(s): None
The development and execution of a significant research project designed by the student in consultation with a Management Information Systems professor. An experience meant to focus learning on an area of special interest to the student. Prior permission of the directing professor and department chair is required to take this course.

Mathematics (MA)

MA-598   Special Topics in Mathematics   Credits: 3
Term Offered: All Terms
Course Type(s): None
The subject matter varies with the interest of the students and the professor teaching the course. The exact nature of the topic covered in any given semester is indicated in the student's transcript. For the course to count for credit toward a particular graduate program outside mathematics, prior permission of the chair of graduate studies in that program must also be obtained.

Music (MU)

MU-599   Independent Study in Music   Credits: 1-3
Term Offered: All Terms
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-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-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-509 and 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. Emphasizes the laboratory identification of vertebrate tissue. 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
Historical perspective, legal regulations and standards, the Controlled Substances Act; 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. 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-535   Advanced Health Assessment   **Credits: 3**
Prerequisite(s): NU-521
Term Offered: All Terms
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. 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 diagnosis 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 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: All Terms
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-542
Term Offered: All Terms
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. Performing assessments and screenings related to common alterations in health are also included in a weekly, faculty-supervised clinical 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-542   Primary Care Laboratory   **Credits: 1**
Prerequisite(s): NU-521, NU-524, and NU-535
Co-requisite(s): NU-541
Term Offered: All Terms
Course Type(s): None
This clinical course is designed to be taken with the lecture component of NU-541. 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, and 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. Performing assessments and screenings related to common alterations in health are also included in a weekly, faculty-supervised clinical practice. This is a pass/fail course.

NU-543   Diagnosis and Treatment of Psychopathology   **Credits: 3**
Co-requisite(s): NU-544
Term Offered: Fall Term
Course Type(s): None
Provides the basic foundations of clinical management of common psychiatric/mental health problems in adults. For students in the Adult Psychiatric Mental Health APN Track. 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-544   Diagnosis and Treatment of Psychopathology Clinical Laboratory **Credits: 1**
Prerequisite(s): NU-521, NU-524, and NU-535
Co-requisite(s): NU-543
Term Offered: Fall Term
Course Type(s): None
Provides 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 DSMIV-TR 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.

NU-562   Tests and Measures **Credits: 3**
Term Offered: All Terms
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. Also listed as NU-762. 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 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. Also listed as NU-764. 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
Provides an opportunity for the students to practice in the role of the novice academic nurse educator in diverse settings. Students apply teaching and learning principles in both academic and clinical settings under the guidance of a preceptor. Through 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 required. Also listed as NU-766P. 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 refine their educational 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-766S. Students who have taken NU-566S are not eligible to take NU-766S.

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. Also listed as NU-767P. 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. Students who have taken NU-567S are not eligible to take 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: Spring Term
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: Spring Term
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: All Terms
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: Fall Term
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: Fall 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-621   Advanced Practice Nursing I: Adult Gerontology   Credits: 3
Prerequisite(s): NU-521, NU-524, NU-535, NU-541, NU-542, and NU-622S
Co-requisite(s): NU-622P
Term Offered: Fall Term
Course Type(s): None
Detailed case study analysis of common health problems of adult and older adults including pathophysiology, epidemiology, strengths and weaknesses of assessment of data collection, diagnostic process, planning, intervention, and evaluation. Interview and perform physical examination techniques for collecting subjective and objective data in primary-care and long-term care settings; deriving 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-622P   Advanced Practice Nursing Practicum I: Adult-Gerontology
Credits: 3

Co-requisite(s): NU-621 and NU-622S
Term Offered: Fall Term
Course Type(s): None
Delivery of primary healthcare to adults and geriatric clients 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 interdisciplinary practice with other healthcare providers. This is a pass/fail course.

NU-622S   Advanced Practice Nursing Seminar I: Adult Gerontology
Credits: 1

Co-requisite(s): NU-621 and NU-622P
Term Offered: Fall Term
Course Type(s): None
Delivery of primary health care to adults and older adults 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 interdisciplinary practice 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.

NU-623   Advanced Practice Nursing II: Adult Gerontology   Credits: 3
Prerequisite(s): NU-621
Co-requisite(s): NU-624P and NU-624S
Term Offered: Spring Term
Course Type(s): None
A continuation of NU-621. Detailed case study analysis of health problems including pathophysiology, epidemiology, strengths and weaknesses of assessment 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 for health teaching and counseling and to motivate clients for positive health maintenance. Expansion of the traditional nursing role to the advanced practice nurse (APN) role through the incorporation of evidence-based practice, personal knowledge, and ethics. A process-driven course that 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-624P   Advanced Practice Nursing Practicum: Adult Gerontology
Credits: 3

Prerequisite(s): NU-621, NU-622S, and NU-622P
Co-requisite(s): NU-624S
Term Offered: Spring Term
Course Type(s): None
Delivery of primary healthcare to adult/gerontological and adolescent clients with common health problems including, collection of subjective and objective data using the techniques of interview and physical examination; deriving diagnoses; planning care for acute and chronic illness using community resources; communication for health teaching, counseling, and motivating clients for positive health maintenance. Establishment of interdisciplinary practice with other healthcare providers. This is a pass/fail course.

NU-624S   Advanced Practice Nursing Seminar II: Adult Gerontology
Credits: 1

Prerequisite(s): NU-621, NU-622S, and NU-622P
Co-requisite(s): NU-623 and NU-624P
Term Offered: Spring Term
Course Type(s): None
Delivery of primary healthcare to adult/gerontological and adolescent clients with common health problems including collection of subjective and objective data using the techniques of interview and physical examination; deriving diagnoses; planning care for acute and chronic illness using community resources; use of communication for age-appropriate 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.

NU-631   Advanced Practice Nursing I: Family   Credits: 3
Prerequisite(s): NU-521, NU-524, NU-535, NU-541, and NU-542
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 the primary-care and long-term care settings; deriving 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 with 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. A process-driven course that 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: Family   Credits: 3
Co-requisite(s): NU-631 and NU-632S
Term Offered: Fall 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 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. This is a pass/fail course.

NU-632S   Advanced Practice Nursing Seminar I: Family   Credits: 1
Co-requisite(s): NU-631 and NU-632P
Term Offered: Fall Term
Course Type(s): None
Delivery of primary healthcare to adults and older adults with common health problems include 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 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.

NU-633   Advanced Practice Nursing II: Family   Credits: 3
Prerequisite(s): NU-631
Co-requisite(s): NU-634S and NU-634P
Term Offered: Spring 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 primary, acute 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. Expansion of traditional nursing role to the advanced practice nurse (APN) role through the incorporation of evidence-based practice, personal knowledge, and ethics. A process-driven course that 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-634P   Advanced Practice Nursing Practicum II: Family   Credits: 3
Prerequisite(s): NU-631, NU-632S, and NU-632P
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. 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. This is a pass/fail course.

NU-634S   Advanced Practice Nursing Seminar II: Family   Credits: 1
Prerequisite(s): NU-631, NU-632S, and NU-632P
Co-requisite(s): NU-634P and NU-633
Term Offered: Spring Term
Course Type(s): None
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.

NU-635   Advanced Practice Nursing Pediatrics   Credits: 2
Co-requisite(s): NU-635P
Term Offered: All Terms
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-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.

NU-661   Nursing Administration I   **Credits: 3**
Co-requisite(s): NU-622P and NU-622S
Term Offered: Fall Term
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
Term Offered: Fall Term
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, and NU-544
Co-requisite(s): NU-670P and NU-670S
Term Offered: All Terms
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. In view of the reliance on direct practice experiences with children and adolescents, students will be placed in clinical sites concurrently with these courses (NU-670P and NU-670S). 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-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, and NU-544
Co-requisite(s): NU-669 and NU-670S
Term Offered: All Terms
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.

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, and NU-544
Co-requisite(s): NU-669 and NU-670P
Term Offered: All Terms
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.

NU-671   Advanced Practice Psychiatric/Mental Health Nursing II: Psychopharmacology and Introduction to Therapy   Credits: 3
Prerequisite(s): NU-521, NU-535, NU-543, and NU-544
Co-requisite(s): NU-672P and NU-672S
Term Offered: Spring Term
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. In view of the reliance on direct practice experiences with individuals, families and groups, students will be placed in clinical sites concurrently with the courses NU-672P and NU-672S. 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-672P   Advanced Practice Psychiatric/ Mental Health Nursing Practicum II   Credits: 3
Co-requisite(s): NU-671 and NU-672S
Term Offered: Spring Term
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.

NU-672S   Advanced Practice Psychiatric/Mental Health Nursing Seminar II   Credits: 1
Co-requisite(s): NU-671 and NU-672P
Term Offered: Spring Term
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-671, NU-672P, and NU-672S
Co-requisite(s): NU-674P and NU-674S
Term Offered: All Terms
Course Type(s): None
Builds upon the foundation course NU-671. As clinicians there is an ever-pressing need to interpret theory and engage in practice inclusively. Examines how clients' 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. In view of the reliance on direct-practice experiences with individuals, families and groups, students will be placed in clinical sites concurrently with this course (NU-674P and NU-674S). 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-674P   Advanced Practice Psychiatric/Mental Health Nursing Practicum III

Credits: 3

Prerequisite(s): NU-671, NU-672S, and NU-672P
Co-requisite(s): NU-673 and NU-674S
Term Offered: Fall Term
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.

NU-674S   Advanced Practice Psychiatric/Mental Health Nursing Seminar III

Credits: 1

Prerequisite(s): NU-671, NU-672P, and NU-672S
Co-requisite(s): NU-673 and NU-674P
Term Offered: Fall Term
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.

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: 2
Co-requisite(s): NU-706
Term Offered: Fall Term
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. Leadership and communication strategies that help move professionals multidisciplinary groups toward common goals and objectives will be examined. DNP students only.

NU-706   Leadership Immersion I   Credits: 1
Co-requisite(s): NU-705
Term Offered: Fall Term
Course Type(s): OL
The practice immersion experience facilitates advanced nursing practice by allowing the student to demonstrate and integrate their knowledge of upper level management processes in a health care organization by considering advanced communication skills and other behaviors that provide the knowledge and skills needed for exemplary leadership, with an emphasis on relationship development, effective meeting management, team building, and resolution of complex situations. This is a pass/fail course.

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: Spring Term
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: Spring Term
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-701, NU-702, NU-703, NU-715, NU-716, and NU-720 all 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 II   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, and NU-706 passed with a grade of P
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 III   **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: All Terms
Course Type(s): OL
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. Also listed as NU-562. 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
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 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. Also listed as NU-564. Students who have taken NU-764 are not eligible to take NU-564.

NU-766P   Nurse Educator Practicum I   **Credits: 2**
Co-requisite(s): NU-766S
Term Offered: Fall Term
Course Type(s): OL
Provides an opportunity for the student to practice in the role of the novice academic nurse educator in diverse settings. Students apply teaching and learning principles in both academic and clinical settings under the guidance of a preceptor. Through 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. Requires 90 practicum hours. Also listed as NU-566P. 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 refine their educational 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-566S. Students who have taken NU-766S are not eligible to take NU-566S.

NU-767P   Nurse Educator Practicum II   **Credits: 2**
Co-requisite(s): 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 required. Also listed as NU-567P. 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-767P
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-567S. Students who have take NU-767S are not eligible to take NU-567S.

NU-799 Independent Study in Nursing (doctorate Level)   Credits: 1-3
Term Offered: Spring Term
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.

Occupational Therapy (OTDP)

OTDP-701 Neuro-Dynamics of Occupation   Credits: 3
Term Offered: Fall Term
Course Type(s): OL
Offers study into the emerging art and sciences of "braiding" occupation with neuroscience. The origins and current-status of Neuro-occupation will be identified and related to theory and research pertinent to occupational therapy including occupation based practice and integrated using clinical reasoning. The course provides an overview of neuroscience, philosophy of science and chaos/complexity theory as the foundation of understanding neuroscience and occupation as they inter-relate. Pertinent neuroscience systems are covered with an emphasis placed on examination of the neurological system as a system of support underlying occupation, occupational patterns, and the occupational nature of humans. Identification of an area of study pertinent to occupational therapy practice will be made and professional literature supporting Neuro-occupational coupling will be explored. The course builds upon the program view of students as self-directed and critically inquiring learners, and provides students with the opportunity to explore areas of study with potential for advancing occupational therapy knowledge and transforming current and future practice.

OTDP-702 Mx Methods in Translational Health Sciences   Credits: 3
Prerequisite(s): OTDP-703
Term Offered: Fall Term
Course Type(s): OL
Introduces mixed methods as a legitimate design tradition, with a unique set of procedures for data collection, analysis, and strategies to assure rigor and accuracy. The course will begin with an overview of qualitative research traditions as the basis for integrating qualitative and quantitative design components in a mixed methods study. Special emphasis will focus on maintaining the scientific rigor of the predominant design tradition while building in flexibility to adequately address complex translational questions. Learners will design a mixed methods study to address a translational research question.

OTDP-703 Quality Improvement through Translational Practices
Credits: 3
Term Offered: Fall Term
Course Type(s): OL
Introduces students to concepts in quality improvement and the current post-acute healthcare environment that is creating a culture of quality and value-based purchasing. Students will understand the components of a quality indicator, including both process and outcome indicators. Students will reflect on how the field of healthcare generally, and their own practice specifically, can benefit from defining and monitoring quality. The course will also consider how to develop and validate quality indicators and implement quality improvement projects, exploring the connection with evidence-based practice. Students will learn how to track and monitor quality improvement projects. Also listed as OTD-703.

OTDP-704 Theoretical Foundations and Health Innovations   Credits: 3
Prerequisite(s): OTDP-703
Term Offered: Fall Term
Course Type(s): OL
Introduces students to common theories from behavioral and social sciences that are currently being used in health behavior, health educations, and promotion. Students will explore the application of theory as the basis for designing health intervention programs that can be tested using scientific methods, replicated in practice, and inform policy. The program development and evaluation process used is applicable to a wide range of health intervention programs, including programs delivered through health education, group theory, one-on-one treatment and telemedicine.

OTDP-705 Statistics   Credits: 3
Prerequisite(s): OTDP-702
Term Offered: Summer Term
Course Type(s): OL
The fundamental principles of research designs, measurement, sampling and ethics will be covered. The course will teach basic statistical methods in which students should have the opportunity to execute their own analyses. This includes generation of descriptive statistics, correlations, t-tests, Chi-square tests, analysis of contingency tables, one-way ANOVA, and simple regression. The course will also introduce additional statistical methods about which students should be knowledgeable, including multiple linear regression, logistic regression and survival analysis.

OTDP-706 Capstone Preparation   Credits: 3
Prerequisite(s): OTDP-702
Term Offered: Fall Term
Course Type(s): OL
Designed to result in a well-defined, evidence-based, and feasible capstone proposal, including literature review, problem statement, project goals and procedures, evaluation approach, timeline with benchmarks, recruitment plan, and application for human subjects' oversight (i.e., IRB approval), if indicated. Designed as a combination of didactic information, peer discussion, and advisor discussions, this course will train students to more effectively communicate the purpose, rationale/theory, and design of their proposed capstone.

OTDP-801 Evidence-Based for Healthcare Professions I   Credits: 3
Prerequisite(s): OTDP-704
Term Offered: Fall Term
Course Type(s): OL
Provides an overview of the role of evidence-based knowledge and research in everyday professional work. Students will be introduced to several bodies of literature to better understand 1) an interdisciplinary perspective on health, and 2) multiple frameworks available to support research questions. As the basis for life-long learning, students will learn to critique articles and base decisions on available evidence.

OTDP-802   Global International Healthcare Engagement   **Credits: 3**
Prerequisite(s): OTDP-801
Term Offered: Fall Term
Course Type(s): OL
Health, technology, social, and environmental problems, impacting our world are complex and there is an increasing need to address the issues through collaborative scientific pursuit. This course will explore the factors that explain the unequal distribution of health and disease in the world. The course will begin with an introduction to the language of global health: the burden of disease, epidemiology, cost-effectiveness, and health systems. It will then analyze the rationale for and modes of intervention to improve global health by exploring a number of high-profile topics, including the HIV/AIDS epidemic, access to pharmaceuticals, human resources for health, and maternal and child health. The course will incorporate knowledge and views for multiple academic disciplines (public health, economics, politics, management, sociology, etc.). Also listed as OTD-802.

OTDP-806   Final Capstone Project   **Credits: 3**
Prerequisite(s): OTDP-702, OTDP-703, OTDP-704, OTDP-705, OTDP-706, OTDP-801, and OTDP-802
Term Offered: Fall Term
Course Type(s): OL
Students complete a Capstone Project reflecting the synthesis and application of evidence-based practice and occupational therapy principles learned within the Monmouth University Post Professional OTD curriculum. Student generated learning outcomes and products of practice/professional scholarship that informs occupational therapy practice. The quality of the Capstone Project shall meet high standards for professional presentations and illustrate application of best available evidence and integration of practice. The course requires students to engage with peers online constructive feedback and accountability. Student will present their capstone at Monmouth University and it will be transmitted live to all faculty and students who wish to join the presentation. Students conclude with final reflections upon the learning process. Prerequisites: OTDP-702, OTDP-703, OTDP-704, OTDP-705, OTDP-706, OTDP-801, and OTDP-802

OTDP-807   Principles of Management in Health Care Systems   Credits: 3
Prerequisite(s): OTDP-705
Term Offered: Fall Term
Course Type(s): OL
Tackles the challenging issues facing today's health services administrator. It presents the changing healthcare landscape in the US with the demands placed on its healthcare leaders. Grounded in the practices of continuous quality and performance improvement at all levels of an organization the course examines virtually every aspect of health services leadership and management, from day-to-day decision making personnel and resource management to transformational change processes. The course draws primarily from the fields of organizational theory and behavior to equip students with management and leadership competencies that enable them to make a positive difference in their work organizations and in the health of populations.

OTDP-808   Decision Models and Financial Analysis   **Credits: 3**
Prerequisite(s): OTDP-807 (for OTDP-808) or OTD-703 (for OTD-808).
Term Offered: Fall Term
Course Type(s): OL
Introduces the basic principles and techniques of applied mathematical modeling for managerial decision making. Students learn to use some of the more important analytic methods (e.g., spreadsheet modeling, optimization, Monte Carlo simulation) to recognize their assumptions and limitations and to employ them in decision making. Students learn to: develop mathematical models that can be used to improve decision making within an organization, sharpen their ability to structure problems and to perform logical analyses, translate descriptions of decision problems into formal models and investigate those models in an organized fashion, identify setting in which models can be used effectively, and apply modeling concepts in practical situations. Students also strengthen their computer skills, focusing on how to use the computer to support decision making. The emphasis is on model formulation and interpretation of results, not on mathematical theory. This course is aimed at students with little prior exposure to modeling and quantitative analysis, but it is appropriate for all students who wish to strengthen their quantitative skills. The emphasis is on models that are widely used in diverse industries and functional areas, including finance, operations, and marketing. Also listed as OTD-808.

OTDP-809   Business Plan and Business Development   **Credits: 3**
Prerequisite(s): OTDP-807 and OTDP-808
Term Offered: Fall Term
Course Type(s): OL
Students will learn how to use screening and feasibility tools to effectively conduct a business analysis to determine the worthiness of a potential new business idea. They will also complete a business plan including an executive summary, industry and market analysis, a marketing strategy and plan, operations plan, product/service development plan and company structure. Lastly, students will identify the financial requirements of a new business and develop pro forma financial statements (e.g. income statements, balance sheets, cash flow, etc.) Also listed as OTD-809.

OTDP-820   International Immersive   **Credits: 3**
Prerequisite(s): OTDP-802
Term Offered: Fall Term
Course Type(s): OL
Promotes cross-programs collaborations (i.e. Education, Social Work, Nursing, Health and Physical Education, Business, and representation from all the other schools) by affording students a study abroad experience fostering across disciplinary approach to a global issue. An 8-week online course consists of modules approaching the topic of identify from different disciplines - culminating in a 10 day international immersion experience. The course will address the diversity if contemporary public health issue facing Latinos and how these issue are influenced by sociopolitical, historical and economic contexts. Students will travel abroad to Guatemala and immerse themselves in various Guatemalan communities. They will learn through observation dialogues with various member of these communities, and by engaging in a service learning initiative. Students will learn about the Guatemalan experience from the sociopolitical, historical, economic, and cultural contexts. The Guatemala Public Health, Global Seminar experience will serve as the lived experience of many of the constructs covered in the course, including mental health perspectives.

Physician Assistant (PHA)

PHA-601   Human Anatomy   Credits: 5
Term Offered: Fall Term
Course Type(s): None
Anatomy is a central focus of basic science education. During this course the student is introduced to gross anatomy presented by the regional approach. The student becomes familiar with the back, chest, upper extremity, abdomen, pelvis, lower extremity, neck, head, the central nervous system, and internal viscera. Instruction is primarily in lecture and lab format. However, atlases, computer programs, and other visual aids are available. Student performance is evaluated in both written and practical examinations.

PHA-602   Human Physiology   Credits: 3
Term Offered: Fall Term
Course Type(s): None
Provides a basic understanding of human physiology while covering the processes of how the body functions. This lecture-based class will lead to an understanding of how the body responds to stimuli and how it maintains homeostasis while exposed to a varying environment.

PHA-603   Introduction to Patient Assessment   Credits: 5
Term Offered: Fall Term
Course Type(s): None
Students will be introduced to basic history taking and physical examination techniques, psychosocial development and behavior, and the effective relationship between the physician assistant, other health professionals, and the patient. Techniques of physical examination and use of examining equipment are introduced. Students are assigned to preceptors for the purpose of taking complete histories and performing a complete physical examination on patients.

PHA-604   Behavioral Medicine   Credits: 2
Term Offered: Fall Term
Course Type(s): None
Provides an overview of psychiatric concepts and an introductory approach to the evaluation of patients with behavioral issues. Includes a discussion of various psychiatric syndromes, with a review of causal factors and clinical presentation. Provides an overview of normal human behavior development over the life span. The impact that psychological problems have on the total health care of the patient will be emphasized.

PHA-605   Health Promotion   Credits: 3
Term Offered: Fall Term
Course Type(s): None
Designed to prepare students to provide healthcare and patient education using a patient-centered approach. Students will receive in-depth instruction in the principles of the patient-provider relationship, disease and the illness experience, health promotion and disease prevention. Includes an overview of basic nutrition standards and guidelines, fundamentals of nutrition assessment, and nutrition throughout the life cycle.

PHA-606   Physical Diagnosis   Credits: 4
Term Offered: Spring Term
Course Type(s): None
Continuation on the focus of Introduction to Patient Assessment on developing physical examination skills and the process of clinical data collection. Introduces the process of clinical reasoning and decision making. Attention will be provided to the recognition and appropriate description of common abnormal physical findings. Emphasis will be placed on the analysis and interpretation of clinical data that occurs during the process of formulating a differential diagnosis.

PHA-607   Diagnostic and Clinical Procedures   Credits: 5
Term Offered: Spring Term
Course Type(s): None
Instruction in interpretation of and indications for clinical laboratory tests, electrocardiography, and diagnostic radiography. Identification and understanding of normal and abnormal results, and correlation with medical cases will be emphasized. The final exam emphasizes critical thinking with case-based analysis.

PHA-608   Pharmacology for Physician Assistants   Credits: 2
Co-requisite(s): PHA-609
Term Offered: Spring Term
Course Type(s): None
Covers the most common classes of medications and their use in a variety of medical conditions. The primary focus of this course is the mechanism of actions of these drug classes and a description of different types of drug-receptor interactions. This basic pharmacology course allows the physician assistant student to better understand the clinical use of drugs covered in Clinical Therapeutics (PHA-609).

PHA-609   Clinical Therapeutics   Credits: 2
Co-requisite(s): PHA-608
Term Offered: Spring Term
Course Type(s): None
Designed to demonstrate the practical application of pharmaceutical science as utilized for the formulation of drug therapy decisions.

PHA-610   Pathophysiology   Credits: 3
Term Offered: Spring Term
Course Type(s): None
Focuses on the fundamentals of the pathologic changes that occur in different organs of the body. Gross and microscopic specimens are used to provide a clear understanding of the disease processes that affect the human body. Conducted as a lecture series that is supplemented by readings, lecture notes that will be emailed to the student, and a review of pathologic slides and specimens when appropriate. Provides an understanding of the pathologic process that leads to clinical signs and symptoms of diseases.

PHA-611   Neuroscience   Credits: 3
Term Offered: Spring Term
Course Type(s): None
Covers the basic structure, organization, and function of the central nervous system (CNS). Lectures and laboratories focus on understanding localization of function within specific structures and pathways of the brain and spinal cord, and typical syndromes associated with vascular accidents, trauma or diseases of the various parts of the CNS. Neuroscience is a foundational course addressing basic anatomy and physiology of the nervous system. Neuroscience incorporates the view that individuals actively use their bodies in typical and adaptive strategies to achieve mastery in life roles. Behaviors are learned and generated through normal functioning of the nervous system. With damage to the central nervous system, behavior-and therefore function-is altered. The central nervous system has the capacity to adapt or compensate behaviorally. Prepares students in programs of occupational therapy, physical therapy and physician assistant with knowledge about normal function, the effects of damage, and neural plasticity in preparation for clinical intervention.

PHA-612   Introduction to the Physician Assistant Profession   Credits: 1
Term Offered: Fall Term
Course Type(s): None
Introduces the student to the physician assistant profession and professional practice issues. Includes the history of the Physician Assistant profession, significance of the PA-physician team, professional organizations, professionalism, and professional development.

PHA-615   Topics in Medicine and Surgery III   Credits: 6
Prerequisite(s): PHA-637 and PHA-638
Term Offered: All Terms
Course Type(s): None
Topics in Medicine and Surgery III is the third in a series of three courses instructing students in clinical medicine presented in an organ systems format. The course builds upon the knowledge acquired in Topics in Medicine & Surgery II. Students will develop their knowledge base in the genetics, epidemiology, clinical presentation, work-up, non-surgical and surgical treatment and management of the covered conditions/diseases. The courses provide students instruction in health promotion and disease prevention, generating differential diagnoses, ordering and interpreting diagnostic studies, patient management including acute and chronic care plans, patient education, and specialty referral specific for the conditions/diseases covered in each course. Combined, the Topics in Medicine and Surgery courses instruct students on the provision of medical care across the life span including prenatal, infant, children, adolescents, adults, and elderly patients. The courses emphasize the development of clinical reasoning and problem-solving abilities needed for the practice of clinical medicine. Additionally, the courses are designed to prepare students to work collaboratively in interprofessional patient centered teams.

PHA-616   Physiology & Pathophysiology I   Credits: 3
Course Type(s): None
This is the first of two courses providing students with in-depth study of medical physiology & pathophysiology. Physiology and Pathophysiology I is designed to offer foundational training in the principles of medical physiology and pathophysiology, in addition to more specific training pertaining to the organ systems covered in the course that, when possible, are aligned with the topics delivered in concomitant Topics in Clinical Medicine coursework. Together, the two courses provide a foundation in human physiology coupled with the in-depth study of pathophysiological processes that lead to clinical signs and symptoms of illness and diseases.

PHA-617   Physiology and Pathophysiology II   Credits: 3
Term Offered: All Terms
Course Type(s): None
This is the second of two courses providing students with in-depth study of medical physiology & pathophysiology. Physiology and Pathophysiology II builds on knowledge acquired in Physiology & Pathophysiology I to offer further training in the medical physiology, in addition to more specific training pertaining to the organ systems covered in the course that, when possible, are aligned with the topics delivered in concomitant Topics in Clinical Medicine coursework. Together, the two courses provide a foundation in human physiology coupled with the in-depth study of pathophysiological processes that lead to clinical signs and symptoms of illness and diseases.

PHA-618   Pharmacology and Pharmacotherapy I   Credits: 3
Term Offered: All Terms
Course Type(s): None
The Pharmacology & Pharmacotherapy I course is the first of two courses providing students with in-depth study in the science and applications of pharmacology. This course covers an introduction to the principles of pharmacology, pharamacogenetics, and pharmacotherapy in addition to the indications, contraindications, interactions, and adverse effects of specific drug classes and the drugs within each class.

PHA-619   Pharmacology and Pharmacotherapy II   Credits: 3
Prerequisite(s): PHA-618
Term Offered: All Terms
Course Type(s): None
The Pharmacology & Pharmacotherapy II course is the second of two courses providing students with in-depth study in the science and applications of pharmacology. This course builds upon the knowledge gained in the first semester course and provides an in-depth study of the indications, contraindications, interactions, and adverse effects of specific drug classes and the drugs within each class.

PHA-620   PA Professional Practice   Credits: 3
Term Offered: All Terms
Course Type(s): None
PA Professional Practice is designed as a comprehensive introductory course to the PA profession and professional practice issues. Topics include the history of the PA profession, professionalism, team-based interprofessional care, patient-centered care practices, the medical coding, billing and documentation, healthcare systems and policies, concepts of public health, patient safety, quality improvement and risk management.

PHA-621   Topics in Medicine and Surgery   Credits: 5
Co-requisite(s): PHA-622
Term Offered: Fall Term
Course Type(s): None
Instructs students in the various disease entities in preparation for clinical internships. Students will develop their knowledge base in the etiology, clinical presentation, differential diagnoses, and therapeutic approach to disease processes. This course is composed of a series of lectures provided by primary care practitioners and specialists. Topics covered include a full-range of adult and pediatric health problems. An introduction to the fields of Obstetrics/Gynecology, Ophthalmology, and Surgery is included. Attention is focused on data collection, problem solving, clinical decision making, and the importance of incorporating patient education and preventive counseling in the clinical encounter.

PHA-622   Clinical Management   Credits: 2
Co-requisite(s): PHA-621
Term Offered: Fall Term
Course Type(s): None
Using literature searches, critical analysis, and newly acquired medical information students study various clinical patient scenarios and apply basic medical knowledge in an effort to evaluate and recommend appropriate treatment. Students will employ all the tools acquired in previous courses to analyze these scenarios to develop realistic diagnoses, problem lists, and plans incorporating the proper ancillary clinical and diagnostic methods appropriate for supporting the diagnosis. The student will also be required to recommend therapeutic measures as deemed necessary. This is the first student effort to organize all of the knowledge gained to date and to exercise this knowledge in true patient management.

PHA-623   Clinical Skills I   **Credits: 3**
Prerequisite(s): PHA-603
Term Offered: All Terms
Course Type(s): None
Clinical Skills I builds upon the previous semester's Introduction to Patient Assessment course to further advance interpersonal and communication skills resulting in the effective exchange of information and collaboration with patients, their families, and other health professions, development of clinical reasoning and problem-solving abilities, patient evaluation, work-up, diagnosis, intervention, and management. The course will be modularized to accompany the topics covered in the Topics in Medicine & Surgery II courses occurring in the same semester.

PHA-624   Behavioral Medicine and Psychiatry   **Credits: 4**
Term Offered: All Terms
Course Type(s): None
Provides an overview of psychiatric concepts and an introductory approach to the evaluation of patients with behavioral issues. Includes a discussion of various psychiatric syndromes, with a review of causal factors and clinical presentation. Provides an overview of normal human behavior development over the life span. The impact that psychological problems have on the total health care of the patient will be emphasized.

PHA-625   Research Methods I   **Credits: 2**
Term Offered: Spring Term
Course Type(s): None
An exploration in the fundamental concepts of research in the health sciences. Problem finding, formulation of a research question, research methodology, design, and data collection and interpretation will be addressed. Ethical considerations in research will be discussed. Published research articles will be critically analyzed. At the conclusion of the course, the students will have developed the framework of an original study, which will be further developed in PHA-626.

PHA-626   Biostatistics for Physician Assistant's Research   **Credits: 2**
Term Offered: Spring Term
Course Type(s): None
The goal of this course is to enhance each student's understanding and effective use of the techniques used to describe and analyze data in health sciences. The intention is not to produce the sophistication in statistics, computer programming, or psychomotor application needed to develop and carry out major research projects. Rather, it is an introductory-level course with the objective of developing students' competence in the application of the basic statistical techniques used to explore, describe, and analyze information for research or evaluation purposes.

PHA-627   Research Methods I   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Research Methods I is the first of 2 courses specifically designed as the PA student's graduate-level research training with emphasis on practice-based learning and improvement (PBLI). The course includes specific training in principles of practice-based learning & improvement, basic biomedical statistics, research methods & design, and the analysis and application of medical research geared towards improving patient outcomes in clinical practice. As the first of two courses, this course will serve as a foundational course enabling the PA student to develop a practice-based improvement project that will be finalized in Research Methods II delivered during the clinical phase of training.

PHA-628   Clinical Skills II   **Credits: 3**
Prerequisite(s): PHA-623
Term Offered: All Terms
Course Type(s): None
Clinical Skills II builds upon the previous semester's Clinical Skills I course to further advance interpersonal and communication skills resulting in the effective exchange of information and collaboration with patients, their families, and other health professions, development of clinical reasoning and problem-solving abilities, patient evaluation, work-up, diagnosis, intervention, and management. The course will be modularized to accompany the topics covered in the Topics in Medicine & Surgery III courses occurring in the same semester. Prerequisite; PHA-623.

PHA-629   Pathology   **Credits: 3**
Prerequisite(s): PHA-601 and PHA-602
Term Offered: All Terms
Course Type(s): None
The course provides a comprehensive overview of human pathology with emphasis on molecular and gross mechanisms of disease. The course provides an introduction to the organization, structure and function of normal cells and tissues; the pathophysiology principles of cellular injury, inflammation, circulatory disorders and atherosclerosis, immune injury, infection, degenerative disease, genetic disorders, neoplastic and environmental injury; and pathology of major organ systems.

PHA-632   Biomedical Ethics   **Credits: 2**
Term Offered: Fall Term
Course Type(s): None
The application of human and professional values, judgments, and choices to selective ethical dilemmas that arise in clinical practice. Traditional and contemporary approaches to resolving professional dilemmas will be discussed as well as ethics related to the delivery of healthcare.

PHA-633   Epidemiology for Physician Assistants   **Credits: 2**
Term Offered: Fall Term
Course Type(s): None
Provides a basic understanding of the epidemiologic method of identifying disease-causing agents. Emphasizes the generation of hypotheses based on descriptive epidemiologic data, the testing of hypotheses by analytical epidemiologic research, the determination of causality, and the value of epidemiologic research in developing disease-prevention programs.

PHA-635   Research Methods II   **Credits: 1**
Prerequisite(s): PHA-625
Term Offered: Spring Term
Course Type(s): None
Many of the tasks of this course are related to the completion of the research study which was begun in Research Methods I (PHA-625). Much of the work of this single-credit course is accomplished through small group activities outside of formal class sessions. Class sessions for the course are infrequent. These will be lecture-discussion sessions in which we will meet to discuss topics designed to facilitate the completion of the research study and to enhance knowledge of medical research in general. Reading assignments should be completed prior to these meetings so that class discussions can be meaningful. Lecture notes, assignments and announcements will be posted on the e-Campus course site. Students should check both class and Web-based discussions.

PHA-636   Healthcare Policy   Credits: 2
Term Offered: Spring Term
Course Type(s): None
The overall goal of this course is to provide the student with information regarding the various topics related to the U.S. healthcare delivery system. The student will also be made aware of the impact that healthcare policy and managed care has on the total health of a patient. The course is given during the final semester of the third professional year so the student can incorporate clinical skills with an analytical perspective on those issues that drive the current health care system. Classes will be conducted as a series of group discussions supported by the required textbook readings, e-Campus posted articles, and small group-led discussions on those articles with analysis focused on how each affects cost, quality, and access to medical care. Attention will be given to the current events surrounding the issue of healthcare reform. Additionally, the course will be augmented by occasional guest lecturers.

PHA-637   Topics in Medicine and Surgery I   Credits: 5
Term Offered: All Terms
Course Type(s): None
Topics in Medicine and Surgery I is one of three courses instructing students in clinical medicine presented in an organ systems format. Students will develop their knowledge base in the genetics, epidemiology, clinical presentation, work-up, non-surgical and surgical treatment and management of the covered conditions/diseases. The courses provide students instruction in health promotion and disease prevention, generating differential diagnoses, ordering and interpreting diagnostic studies, patient management including acute and chronic care plans, patient education, and specialty referral specific for the conditions/diseases covered in each course. Combined, the Topics in Medicine and Surgery courses instruct students on the provision of medical care across the life span including prenatal, infant, children, adolescents, adults, and elderly patients. The courses emphasize the development of clinical reasoning and problem-solving abilities needed for the practice of clinical medicine. Additionally, the courses are designed to prepare students to work collaboratively in interprofessional patient centered teams.

PHA-638   Topics in Medicine and Surgery II   Credits: 6
Prerequisite(s): PHA-637 and successful completion of all previous coursework
Term Offered: All Terms
Course Type(s): None
Topics in Medicine and Surgery II is the second of three courses instructing students in clinical medicine presented in an organ systems format. The course builds upon the knowledge acquired in Topics in Medicine & Surgery I. Students will develop their knowledge base in the genetics, epidemiology, clinical presentation, work-up, non-surgical and surgical treatment and management of the covered conditions/diseases. The courses provide students instruction in health promotion and disease prevention, generating differential diagnoses, ordering and interpreting diagnostic studies, patient management including acute and chronic care plans, patient education, and specialty referral specific for the conditions/diseases covered in each course. Combined, the Topics in Medicine and Surgery courses instruct students on the provision of medical care across the life span including prenatal, infant, children, adolescents, adults, and elderly patients. The courses emphasize the development of clinical reasoning and problem-solving abilities needed for the practice of clinical medicine. Additionally, the courses are designed to prepare students to work collaboratively in interprofessional patient centered teams.

PHA-640   Supervised Clinical Practice Experiences I   Credits: 8
Term Offered: All Terms
Course Type(s): None
The Supervised Clinical Practice Experiences (SCPE) courses include various clinical clerkships providing the student with the direct patient care exposures across required core and elective clinical experiences. In all experiences the student will participate in patient-care experiences under the supervision of a licensed clinician. It is in these clerkships that students apply the knowledge and skills gained in the didactic phase of the program to actual patient encounters. Combined, the four SCPE courses provide the opportunity for students to train in hospitals, emergency rooms, long-term care facilities, outpatient practices, and surgical environments.

PHA-641   Supervised Clinical Practice Experiences II   Credits: 8
Term Offered: All Terms
Course Type(s): None
Supervised Clinical Practice Experiences II (SCPEs II) I is the second of four courses that include various clinical clerkships arranged as modules to provide the student with direct patient care exposures across required core and elective clinical experiences over the span of four semesters. In all experiences the student will participate in the provision of medical care for patients across the lifespan under the supervision of a licensed clinician, primarily a board-certified and licensed physician or a nationally certified and licensed PA. It is in these clerkships that students apply the knowledge and skills gained in the didactic phase of the program to actual patient encounters. Combined, the four SCPE courses provide the opportunity for students to train in hospitals, emergency rooms, long-term care facilities, outpatient practices, and operative environments. At the conclusion of the four SCPEs courses, students will have had in-depth training and patient-care experiences in core areas, including Behavioral Medicine/Psychiatry, Emergency Medicine, Family Medicine, General Surgery, Internal Medicine, Pediatric Medicine, and Women's Health Care, including prenatal and gynecologic care. Additionally, students have selective clerkships that can be in one of the core areas or a specialty practice area.

PHA-642   Supervised Clinical Practice Experiences III   Credits: 8
Term Offered: All Terms
Course Type(s): None
Supervised Clinical Practice Experiences II (SCPEs II) I is the third of four courses that include various clinical clerkships arranged as modules to provide the student with direct patient care exposures across required core and elective clinical experiences over the span of four semesters. In all experiences the student will participate in the provision of medical care for patients across the lifespan under the supervision of a licensed clinician, primarily a board-certified and licensed physician or a nationally certified and licensed PA. It is in these clerkships that students apply the knowledge and skills gained in the didactic phase of the program to actual patient encounters. Combined, the four SCPE courses provide the opportunity for students to train in hospitals, emergency rooms, long-term care facilities, outpatient practices, and operative environments. At the conclusion of the four SCPEs courses, students will have had in-depth training and patient-care experiences in core areas, including Behavioral Medicine/Psychiatry, Emergency Medicine, Family Medicine, General Surgery, Internal Medicine, Pediatric Medicine, and Women's Health Care, including prenatal and gynecologic care. Additionally, students have selective clerkships that can be in one of the core areas or a specialty practice area.

PHA-643   Supervised Clinical Practice Experiences IV   **Credits: 8**
Term Offered: All Terms
Course Type(s): None
Supervised Clinical Practice Experiences II (SCPEs II) I is the last of four courses that include various clinical clerkships arranged as modules to provide the student with direct patient care exposures across required core and elective clinical experiences over the span of four semesters. In all experiences the student will participate in the provision of medical care for patients across the lifespan under the supervision of a licensed clinician, primarily a board-certified and licensed physician or a nationally certified and licensed PA. It is in these clerkships that students apply the knowledge and skills gained in the didactic phase of the program to actual patient encounters. Combined, the four SCPE courses provide the opportunity for students to train in hospitals, emergency rooms, long-term care facilities, outpatient practices, and operative environments. At the conclusion of the four SCPEs courses, students will have had in-depth training and patient-care experiences in core areas, including Behavioral Medicine/Psychiatry, Emergency Medicine, Family Medicine, General Surgery, Internal Medicine, Pediatric Medicine, and Women's Health Care, including prenatal and gynecologic care. Additionally, students have selective clerkships that can be in one of the core areas or a specialty practice area.

PHA-651   Clinical Clerkships I   **Credits: 5**
Term Offered: Fall Term
Course Type(s): None
Clinical Clerkship year 1 is the first of two years of clinical clerkships providing the physician assistant student with the real-time patient/clinician exposures across required core and elective clinical experiences. In all experiences the student will be a member of either a health care delivery team and/or paired with a licensed practitioner in each medical discipline or service. Students are at all times held to the highest standards of professionalism and personal integrity.

PHA-652   Clinical Clerkships II   **Credits: 12**
Term Offered: Spring Term
Course Type(s): None
Clinical Clerkship year 2 is the second clinical clerkship providing the physician assistant student with the real-time patient/clinician exposures across required core and elective clinical experiences. In all experiences the student will be a member of either a healthcare delivery team and/or paired with a licensed practitioner in each medical discipline or service. Students are at all times held to the highest standards of professionalism and personal integrity.

PHA-653   Clinical Clerkships III   **Credits: 10**
Term Offered: Fall Term
Course Type(s): None
Clinical Clerkship year 3 is the third clinical clerkship providing the physician assistant student with the real-time patient/clinician exposures across required core and elective clinical experiences. In all experiences the student will be a member of either a healthcare delivery team and/or paired with a licensed practitioner in each medical discipline or service. Students are at all times held to the highest standards of professionalism and personal integrity.

PHA-654   Clinical Clerkships IV   **Credits: 12**
Term Offered: Spring Term
Course Type(s): None
Clinical Clerkship year 4 is the fourth clinical clerkship providing the physician assistant student with the real-time patient/clinician exposures across required core and elective clinical experiences. In all experiences the student will be a member of either a healthcare delivery team and/or paired with a licensed practitioner in each medical discipline or service. Students are at all times held to the highest standards of professionalism and personal integrity.

Political Science (PS)

PS-CPE   Public Policy Comprehensive Exam   **Credits: None**
Prerequisite(s): PS-510, PS-515, PS-516, and PS-518
Term Offered: All Terms
Course Type(s): None
Public Policy Comprehensive Exam. This is a pass/fail course.

PS-510   Policy Analysis   **Credits: 3**
Term Offered: All Terms
Course Type(s): TPS
An overview of the field of public policy studies with particular attention paid to the role of the policy analyst in the field of public policy. This course provides a solid foundation for the study of public policy analysis by concentrating on the five stages of the policy process, including agenda setting, policy formulation, budgeting, policy implementation, and policy evaluation.

PS-514   Public Opinion and Polling   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Students are taught how to use social science research methods to critique and create polling surveys. Particular attention is paid to the data collection and sample design, survey research methods, questionnaire development, and data collection and analysis. Students are taught how to evaluate the quality of survey research methods. Students will also be expected to design, implement, and analyze an original polling survey.

PS-515   Public Policy Research Design   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Introduces students to the different research techniques widely practiced in the field of public policy. Students will learn about the research process, from conceptualization to operationalization and measurement. Students examine the importance of writing the literature review and articulating the research question; explore various research designs such as experiments, survey research, and other methods for collecting data. Other issues such as sampling, validity, and reliability are addressed. Class discussions, exercises, readings, and other materials will equip students with the skills to design a piece of policy research to, for example, assess policy proposals, and programs.

PS-516   Research Methods   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Introduces students to widely used analytical and data presentation techniques in the field of public policy. Students will explore descriptive and inferential statistics. Using Excel and Statistical Package for the Social Sciences, students learn how to build a data set, how to acquire secondary data, and how to clean and analyze data. Students will learn about distributions and how to interpret findings. Determining whether research findings are capable of making inferences is examined through regression analysis. Data presentation techniques are addressed to strengthen the skills of students to translate quantitative information to a broad audience.

PS-518   Theory, Policy, Ethics   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Seeks to enable students to develop a critical understanding of the moral and political values that come into play in public policy. Topics include the tensions between ethics and politics in the tradition of political theory as well as how they feature in contemporary public policy debates in American and global politics. Students gain an understanding of the role of ethics as a matter of social justice as well as ethical issues and dilemmas in professional ethics.

PS-522   History of Urbanization in America   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Provides an interdisciplinary study of the history of urbanization and industrialization in the United States from the mid-nineteenth century to the early twentieth century. Using the themes of community, technology, public policy, and immigration, students will examine the development and changes in the social, physical, political, and economic urban landscape. Also listed as HS-522.

PS-524   Public Opinion and the Media   **Credits: 3**
Term Offered: Summer Term
Course Type(s): None
An examination of the shifting nature of public opinion, the agenda-setting role of mass media, and the survey methods that are employed to determine public opinion. The practices, values, and traditions of journalism that impact public opinion. Experience with the conduct of a survey and analysis of case studies.

PS-525   Political Communication   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
The study of traditional and contemporary theories of rhetoric as applied in research and analysis of political campaigns. The rhetorical creation, maintenance, application, and legitimization of symbolic power. A survey of analytic models of political communication and application of the models to case studies. The role of the political communication specialist. Practicum in political communication strategies and techniques. Also listed as CO-525.

PS-530   Environmental Policy   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
A survey of the process by which environmental politics, planning, and public policy is conducted in the United States and around the world. We will examine the nature and scope of environmental, energy, and natural resource problems; contrasting perspectives on their severity and policy implications; the goals and strategies of the environmental movement and public opinion on the environment; scientific, economic, political, and institutional forces that shape policymaking and implementation; approaches to environmental policy analysis; and selected issues in environmental policy in the global community. In addition to the covering of certain ecological science terms, the interplay between international organizations, non-governmental organizations, and traditional states and the ways in which these actors seek diplomatic solutions to environmental problems is also covered.

PS-533   The History of Public Policy in the United States   **Credits: 3**
Term Offered: All Terms
Course Type(s): HSUS
The objective is to survey major issues in domestic public policy. The emphasis is on changes in the process of policy formation in both the public and private sectors. Also listed as HS-533.

PS-553   Gender, Family, and Policy   **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Examines how policies affect a diverse spectrum of families based on class, race, gender, sexuality, age, and nationality. It begins with a historical perspective on how families have developed because of historical factors such as changing economy and technology. It also examines how social structures such as race, class, gender, and sexuality have shaped families. It then focuses on current issues facing families and the policies that regulate those issues, such as the balance between work and family, welfare, reproductive issues, violence, healthcare, and educational issues. A comparative approach will be taken to examine policies both in the U.S. and within other countries. Also discussed will be family activism aimed at affecting policy in the U.S.

PS-563   Global Policies and Issues   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Adopting an interdisciplinary perspective, this course looks at the positive and negative effects of globalization. It also explores the national and international aspects of major global policies and issues that shape the interdependent world of the twenty-first century.

PS-566   Comparative Public Policy   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
In the world in which terrorism and chaos threaten to upset the policy-making capabilities of state governments, it is vital that we understand the different ways that nations formulate and implement public policy. Through an extensive investigation of policy analysis across a broad spectrum of states, the student will be able to better understand the reasons for policy decisions around the world. Democratic governments will be compared and contrasted to non-democratic governments in an attempt to provide greater insight and answer questions of health, economic, environmental, and foreign policies.

PS-583   The Causes of War   Credits: 3
Term Offered: All Terms
Course Type(s): None
A critical analysis of the general and recurring problems of war in human life; the course probes the direct and indirect causes of war by employing various analytical methods developed in political science as well as in sister disciplines of the social sciences.

PS-585   American Foreign Policy   Credits: 3
Term Offered: All Terms
Course Type(s): None
Examines, analyzes, and evaluates the many dimensions and issues of American foreign policy since 1945. It provides an interpretative framework within which the sources of American action abroad may be understood. Combines descriptive and explanatory material with empirical evidence and makes a serious effort to distinguish facts from inferences, hypotheses, and opinions. The post-Cold War and post-9/11 worlds are assessed, with a focus on American goals, capabilities, and relationships around the world.

PS-595   Political Science Practicum   Credits: 3
Term Offered: All Terms
Course Type(s): None
An opportunity to apply classroom theory in practice through actual work experience. Students have the opportunity to apply the theories and concepts of public policy to actual work settings.

PS-597   Portfolio   Credits: None
Term Offered: All Terms
Course Type(s): None
Enables students to complete their portfolios for the Master of Arts in Public Policy (MAPP). The portfolio displays academic and professional development and learning gained from the MAPP program and related experiences. The portfolio contains collections of academic and professional goal statements, term papers, reflective essays and artifacts gathered in various classes and colloquiums and connected work.

PS-598   Special Topics/Special Projects   Credits: 3
Term Offered: All Terms
Course Type(s): None
Offered occasionally to match the interest of the students' and the professor teaching the course. The instruction will follow classroom lectures and discussions on the topic. The exact nature of the topic covered in any given semester is indicated on the student's transcript. Permission of the program director is required to take this course.

PS-599   Readings and Research   Credits: 3
Term Offered: All Terms
Course Type(s): None
An independent research study based on relevant research and the writing of a substantial paper designed and executed by the student in consultation with a supervising professor. The subject matter should cover public policy and related areas. Prior permission of the directing professor and department chair is required to take this course.

PS-692   Public Policy Master's Thesis   Credits: 3
Prerequisite(s): PS-515 and PS-516
Term Offered: All Terms
Course Type(s): None
Students have the option of completing the comprehensive exam or thesis to satisfy the program requirements. With the thesis, students design and implement an original research project. Students will select and work with a first and second reader from among graduate program or affiliated faculty. The thesis involves writing the literature review, developing data collection instruments, data collection and presentation of results. Results are presented at a thesis defense organized by the program director.

Professional Counseling (PC)

PC-CPE   Professional Counseling Comprehensive Examination
                                                          Credits: None
Prerequisite(s): Forty-eight credits in Professional Counseling including PC-505, PC-506, PC-512, PC-515, PC-523, PC-525, PC-529, PC-550, PC-570, PC-595, and PC-603
Co-requisite(s): PC-680
Term Offered: All Terms
Course Type(s): None
This is the Counselor Preparation Comprehensive Examination required to graduate from the Professional Counseling Program. Must be taken during the final term of study in the MS in Clinical Mental Health Counseling Program. Limited to Professional Counseling majors. This is a pass/fail course.

PC-502   Ecotherapy: Counseling and the Natural World   Credits: 3
Term Offered: All Terms
Course Type(s): None
Ecotherapy is defined as contact with nature as a method or element of counseling and addresses the critical fact that as humans we are interwoven with the natural world. Ecotherapists seek to develop and understand ways of expanding the emotional connection between clients and the natural world within the counseling context, thereby assisting individuals with developing sustainable lifestyles and remedying alienation from nature. Ecotherapy includes a wide range of techniques such as wilderness therapy, forest bathing, equine therapy, animal-assisted therapy, horticultural therapy, biophilic design and green therapy. Students in this course will obtain a firm understanding of the theoretical constructs of Ecosychology, demonstrate a model of EcoWellness, and obtain applicable skills in Ecotherapy.

PC-505   Mental Health Counseling   Credits: 3
Term Offered: All Terms
Course Type(s): None
An overview of the profession of counseling, its ethical standards, literature, professional organizations, and the knowledge, skills and abilities required for success in the field. Assists students in formulating a concept of the profession that will allow them to enhance their growth and professional identity as a counselor. In addition, the opportunity for students to become aware of counseling career opportunities in the region is provided. Must be taken during the first term of study in the MS in Mental Health Counseling and the MA in Professional Counseling. Limited to Professional Counseling majors.

PC-506   Testing and Assessment in Counseling   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
An overview of test administration and validity. Students will be introduced to tests of intelligence, personality and interests. Limited to Professional Counseling majors.

PC-510   Community Mental Health   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
An overview of mental health counseling within community and health/human services settings. Reviews prevention, intervention, and needs assessment, as well as program implementation and evaluation, in a comprehensive way. Client advocacy, governmental policies, obtaining funding, and other aspects of the delivery of human services are explored, with particular focus on the management and ethical standards of all administrative and clinical counseling services related to mental health programs. Limited to Professional Counseling majors.

PC-512   Psychopathology   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Offers an intensive investigation of current thinking regarding the etiology and development of aberrant behavior; theory in the light of experimental findings and clinical applications. Limited to Professional Counseling majors.

PC-515   Human Development through the Life Span   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Provides students with an overview of human development, with comprehensive coverage of all major developmental stages (prenatal period and infancy, childhood, adolescence, early adulthood, middle adulthood, and late adulthood) and focuses on both normal and abnormal physical, mental health and social development. Emphasis on the interaction of biological, psychological and sociological forces that influence development. Limited to Professional Counseling majors.

PC-516   Counseling and Sexuality   **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
Introduction to human sexuality and related issues that counselors may encounter in their work. Students will learn about normal and abnormal sexual functioning. Aims to desensitize students and provide introspection about diverse expression of sexuality; not designed to train students as sex therapists.

PC-517   Counseling and Religion   **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
Counseling and Religion will explore the world religions with a focus on the religions as they function in the U.S. in a multi-cultural context. This will give the student a basic understanding and respect for religious differences when counseling clients who have different religious values than the counselor. A historical perspective on the relationship between psychology and religion will be traced to contemporary practice. The student will be given the opportunity to develop a theory of how he or she would like to integrate his or her knowledge into his or her work as a counselor. Limited to Professional Counseling majors.

PC-521   Spirituality and Counseling   **Credits: 3**
Term Offered: Spring Term
Course Type(s): None
Students are given a basic understanding of philosophical and practical ways to integrate existential, mystical, or other inexplicable issues into the counseling process. The student will look at different spiritual practices with a respectful, multicultural lens. Spiritual practices will be viewed as possible psychological techniques, pathology and/or cognitive distortions. The student will be given the opportunity to develop a personal spiritual theory of how he or she would like to integrate or not integrate, spirituality into his or her work as a counselor. Limited to Professional Counseling majors.

PC-522   Self-Exploration: Body, Mind, Spirit   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
This experiential course will take the student through a self-exploration that will allow the student to explore the motivation, unconscious drives, anxieties, and spiritual and existential meaning that led him or her to be a counselor. It will explore many aspects of the personality, such as need for power/control and compassion, which will allow the student to become more fully aware. Limited to Professional Counseling majors.

PC-523   Introduction to Counseling Skills   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Designed for students to learn and practice interviewing and counseling skills, the intake interview process, suicide assessment, and how to conduct a mental status examination. Self-exploration and counselor self-development will also be addressed. Students who receive a grade below "B" must repeat the course.

PC-524   Counseling Children and Adolescents: Theories and Techniques   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
An exploration of psychotherapeutic counseling theories and techniques used with children and adolescents within the developmental psychopathological framework. Focus on applications in counseling agencies as well as residential and educational settings. Limited to Professional Counseling majors.

PC-525   Theories of Counseling   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Upon completion of this course, students shall be able to demonstrate an understanding of core theoretical knowledge in counseling theories that provide the student with consistent models to conceptualize client presentations. Student experiences shall include an examination of the historical development of counseling theories. The course shall include an exploration of affective, behavioral, and cognitive theories. Students will also be exposed to models of counseling that are consistent with current professional research and practice in the field so that they can begin to develop a personal model of counseling. Limited to Professional Counseling majors.

PC-526   Case Conceptualization   **Credits: 3**
Prerequisite(s): PC-505, PC-512, PC-523, and PC-525
Term Offered: All Terms
Course Type(s): None
Allows students to put into practice all aspects of case conceptualization. Students will enter this class with the basic understanding of counseling theories, assessment, and psychopathology. Techniques and approaches for chosen theories, basic skills, and differential diagnosis will be reviewed and practiced. Students will develop an approach or style, based on known theory and technique. They will be able to identify how and why an intervention is chosen according to theory and knowledge in the field. Limited to Professional Counseling majors.

PC-528   Family Counseling: Theory and Technique   **Credits: 3**
Prerequisite(s): PC-525
Term Offered: All Terms
Course Type(s): None
Enables students to examine the historical development, theoretical foundations, and contemporary conceptual directions in the field of family counseling. Clinical concerns are interwoven with theoretical literature and counseling techniques. Limited to Professional Counseling majors.

PC-529   Multicultural Counseling   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Examines counseling theories and techniques as they relate to diversity in the client population. Limited to Professional Counseling majors.

PC-530   Crisis Intervention   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
A review of crisis intervention theory and techniques, with a focus on the role of the counselor as part of the crisis intervention team. Students learn and practice counseling intervention skills for clients in crisis. Limited to Professional Counseling majors.

PC-532   Counseling for Grief and Loss   **Credits: 3**
Prerequisite(s): PC-525
Term Offered: All Terms
Course Type(s): None
Reviews the relevant knowledge and skill base needed to counsel individuals and families coping with a range of loss experiences including death, dying and bereavement. The grief process and factors relevant to work with grieving children, adolescents and adults are covered, and the assessment of complicated grief reactions and counselor's roles and tasks in facilitating the grief process are considered.

PC-533   Couples Counseling   **Credits: 3**
Prerequisite(s): PC-525
Term Offered: All Terms
Course Type(s): None
Students are provided with an overview of the historical development, theoretical framework, and conceptual directions in the field of marriage and couples counseling. Also provides students with methods of marital/couples assessment and counseling techniques related to various clinical issues that are often encountered in counseling settings. Limited to Professional Counseling majors.

PC-534   Wellness and Counseling   **Credits: 3**
Term Offered: Summer Term
Course Type(s): None
Exploration of the human condition from a strength-based wellness perspective, to further enhance counselor identity. Through self-exploration, hands-on experiences, and interactive discussions, students explore human motivation, unconscious drives, anxieties, aspects of personality, and spiritual and existential meaning within a wellness context. Allows students to become more aware of their own drives toward health and wellness and translate that understanding to the therapeutic relationship and counseling. Limited to Professional Counseling majors.

PC-535   Courageous Connections   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
An elective course designed to facilitate self-discovery, authenticity, and courageous dialogue in the classroom. Throughout the course, students will learn about research conducted by Dr. Brené Brown and consider its application to various client populations. Students are expected to continue to examine their own values and remain open to giving and receiving feedback to peers. Assignments will include a group facilitation experience, reflective journaling activities, and a research paper in which students will apply the concepts of Dr. Brown's research to a population of professional interest.

PC-540   Introduction to Alcohol and Drug Abuse   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
An overview of models of addiction: medical, socio-cultural, familial and psychological. Definitions and diagnostic implications; an overview of basic treatment approaches.

PC-542   Treatment of Alcohol and Drug Abuse   **Credits: 3**
Prerequisite(s): PC-540
Term Offered: All Terms
Course Type(s): None
An examination of various treatment models within the alcohol and drug treatment field. The basics of individual, group, family, and couples counseling with alcoholic and addicted patients. Provides specific counseling techniques. This course can be used toward the Substance Awareness Coordinator Certificate.

PC-544   Advanced Alcohol and Drug Counseling   **Credits: 3**
Prerequisite(s): PC-540 and PC-542
Term Offered: All Terms
Course Type(s): None
Covers advanced topics that are introduced in PC-542 and is therefore dedicated to addiction counselor skill building. Advanced topics include skill building in areas of counselor ethics, motivational interviewing and motivational enhancement skills, group counseling skills, community and professional skills, counseling skills needed to work effectively with individuals impacted by HIV/AIDS, and counseling skills needed to work with those impacted by gambling addictions and clinical supervision skills. Limited to Professional Counseling majors.

PC-545   Biological Foundations and Treatments of Psychological and Addictive Disorders   **Credits: 3**
Prerequisite(s): PC-512
Term Offered: All Terms
Course Type(s): None
An overview of biological and physiological foundations of mental and addictive disorders. Review of basic psychopharmacology, information regarding drug action, interactions, adverse reactions, tolerance, dependency, and withdrawal. Focus on biopsychosocial assessment and treatment.

PC-546   Substance Awareness in the Schools   **Credits: 3**
Prerequisite(s): PC-540
Term Offered: All Terms
Course Type(s): None
A comprehensive study of the role of the Substance Awareness Coordinator in the schools K-12. The areas that will be included for study will be a review of research-based awareness and prevention programs as related to Alcohol, Tobacco, and Other Drug (ATOD) as seen in the school systems. School law, regulations, and policies, as it relates to substance abuse in the schools, as well as how well/consistent it is followed based on the school culture and the dynamics in a particular district. Prevention and advocacy will be emphasized as a large part of the SAC position, as well as learning to work within the school culture. Curriculum planning and staff education and development in chemical health will be an essential part of the course. Negotiating the systems to maximize potential of the SAC position will be the main focus. Limited to Professional Counseling majors.

PC-550   Group Counseling   **Credits: 3**
Prerequisite(s): PC-505 and PC-523
Term Offered: All Terms
Course Type(s): None
Didactic and experiential course that introduces students to group dynamics and theories/techniques of group counseling. Didactic component reviews, group counseling theories/techniques, stages in group development, and salient characteristics of effective group facilitators. Experiential component facilitates understanding of one's own personality, biases and impact upon others in professional interactions. Legal and ethical issues relevant to group counseling are also examined. Limited to Professional Counseling majors.

PC-570   Career Counseling   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
The psychology of careers and career counseling is a cornerstone of the counseling profession and forms the historical basis of the profession's emphasis on normal development, decision-making, and assessment. Career theories, life-span development, and assessment instruments used in career counseling are reviewed. Recognizing the particular career issues of minorities and women, attention will be afforded to such trans-cultural issues. Limited to Professional Counseling majors.

PC-580   Animal Assisted Therapy   **Credits: 3**
Term Offered: Fall Term
Course Type(s): None
An overview of Animal-Assisted Therapy (AAT), and its relevance as an alternative treatment modality for common psychological disorders. Information regarding the history and evolution of animal-assisted therapy in counseling, common therapeutic animals and techniques, ethical concerns when working with animals in therapy, and working with therapy animals with special populations.

PC-595   Professional Counseling Practicum   **Credits: 3**
Prerequisite(s): PC-505, PC-512, PC-525, PC-526, PC-540, and PC-550 all passed with a grade of C+ or higher and PC-523 passed with a grade of B or higher
Term Offered: All Terms
Course Type(s): None
Students integrate theory and practice in the counseling profession through an off-campus practicum. In addition to the requirement of 100 hours of supervised field service in an approved counseling agency, students also attend class each week which consists of group supervision. During class the students also review relevant professional, ethical and legal issues in counseling (for example assessment procedures, treatment planning, best empirically proven interventions, confidentiality, etc.) Limited to Professional Counseling majors who have completed at least twenty-seven graduate credits. Registration is by special application, requiring the signature of the advisor and the Field Placement Coordinator.

PC-598   Special Topics in Professional Counseling   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
The subject matter varies with the interest of the students and the professor teaching the course. The exact nature of the topic covered in any given semester is indicated in the student's transcript. Limited to Professional Counseling majors only. If a prerequisite is required it will be announced in the course schedule.

PC-599   Independent Study in Professional Counseling   **Credits: 1-3**
Term Offered: All Terms
Course Type(s): None
Reading and research leading to significant written work under the direction of a faculty member. Limited to Professional Counseling majors only. Prior permission of the directing professor and department chair is required to take this course.

PC-603   Research Methods in Counseling   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
Reviewing the literature, problem hypothesis research, naturalistic observation, survey and interview procedures, and experimental methods are discussed. Limited to Professional Counseling majors.

PC-670   Clinical Supervision   **Credits: 3**
Prerequisite(s): PC-680
Term Offered: All Terms
Course Type(s): None
This course will provide students with theoretical and practical knowledge of clinical supervision models and methods. This course will explore supervisory roles, evaluation methods, research, legal and ethical issues and sociocultural issues in supervision. A portion of the course will involve providing supervision to practicum students. Supervision sessions will involve direct observation and/or recording and feedback on development of supervision competencies. The content areas required for the Approved Clinical Supervisor (ACS) credential are included in this course.

PC-672   Advanced Theory in Play Therapy   **Credits: 3**
Term Offered: All Terms
Course Type(s): OL
Provides an in-depth understanding of the history and theories of play therapy. Emphasis is placed on the understanding of the roles of therapists and parents through the play process. Diversity and multicultural considerations for theoretical perspectives are highlighted. Also listed as EDL-672 and SW-672.

PC-673   Advanced Techniques in Play Therapy   Credits: 3
Term Offered: All Terms
Course Type(s): HY
Provides students with the opportunity to develop techniques and methods of play therapy. Emphasis is placed on working with children, adolescents, and adults through individual, group, and family play therapy. Major topics include group play therapy, family play therapy, short-term play therapy, and sand tray/sand play therapy. Additionally, diversity and multicultural considerations are highlighted. Also listed as EDL-673 and SW-673.

PC-674   Play Therapy for Children at Risk   Credits: 3
Term Offered: All Terms
Course Type(s): OL
Focus is on play therapy with vulnerable and high-risk children. Emphasis on working with children, adolescents, and adults using play therapy in trauma and crisis situations are highlighted. Special attention is given to social issues that can lead to or exacerbate trauma or crisis. Also listed as EDL-674 and SW-674.

PC-675   Play Therapy Practicum Seminar I   Credits: 3
Term Offered: All Terms
Course Type(s): None
First of a two-course sequence focusing on the application of the play therapy theories and techniques. Students will acquire experience using play therapy theories and techniques that can be used toward the requirements for RPT certification. Students will process the clinical experience of play with children and adolescents, with a review of advanced skills, assessment, and treatment planning during individual and group supervision in the university seminar through videotaped sessions and discussion. The therapeutic relationship is emphasized. Limited to Play Therapy (C.P.SW.PT.) program majors. Students cannot enroll in SW-676 or PC-676 at the same time. Also listed as SW-675. Prior permission of the C.P.SW.PT. Program Coordinator is required.

PC-676   Play Therapy Practicum Seminar II   Credits: 3
Term Offered: All Terms
Course Type(s): None
Second of a two-course sequence focusing on the application of the play therapy theories and techniques. Students will acquire experience using play therapy theories and techniques that can be used toward the requirements for RPT certification. Students will process the clinical experience of play with children and adolescents, with a review of advanced skills, assessment, and treatment planning during individual and group supervision in the university seminar through videotaped sessions and discussion. Legal and ethical issues, transference/countertransference, and working with parents/caregivers are emphasized. Limited to Play Therapy (C.P.SW.PT.) program majors. Students cannot enroll in SW-675 or PC-675 at the same time. Also listed as SW-676. P.SW.PT. Program Coordinator.

PC-680   Clinical Internship in Professional Counseling   Credits: 3
Prerequisite(s): PC-540, PC-595, the completion of thirty credits, and approval of the department
Term Offered: All Terms
Course Type(s): None
Designed to provide students intensive experience where they can integrate their academic learning during clinical experience. In addition to the requirement of 300 hours of supervised field service in an approved counseling agency, they also attend class each week. The weekly class consists of group supervision and a review of relevant professional, ethical and legal issues in counseling (for example assessment procedures, treatment planning, best empirically proven interventions, confidentiality, etc.). Limited to Professional Counseling majors who have completed at least thirty graduate credits. This is a pass/fail course. Registration is by special application, requiring the signature of the advisor and the Field Placement Coordinator.

Social Work (SW)

SW-503   Social Work Practice with Individuals and Families   Credits: 3
Term Offered: All Terms
Course Type(s): None
This beginning practice course introduces students to the basic processes of social work and the roles and skills needed for foundation practice. Relevant theories of social work practice with individuals and families are explored in relation to interviewing skills and assessment strategies. The course integrates ethical/value standards, multicultural and diverse contexts, and populations at risk. Effective practice methods, ethical issues, and the problem-solving process are incorporated. Students must earn a grade of B or higher in this course or it will have to be repeated.

SW-505   Social Welfare Policy and Services I   Credits: 3
Term Offered: Fall Term
Course Type(s): None
The first of two required courses in social policy defines social policy; examines the social, economic; and political circumstances that give rise to social problems and their policy solutions; explores frameworks for analyzing these solutions; and reviews a history of the profession of social work.

SW-507   Social Work Research   Credits: 3
Term Offered: All Terms
Course Type(s): None
Develops the student's ability to use and engage in both quantitative and qualitative research in order to inform and evaluate his or her own social practice. Addresses key research concepts and procedures, such as hypothesis formulation, measurement, sampling, research design, and data collection.

SW-509   Human Behavior in the Social Environment I   Credits: 3
Term Offered: Fall Term
Course Type(s): None
This is the first semester of a two-semester course sequence within which students use theory and empirical data to assess human behavior as it develops in a variety of sociopolitical environments. A strengths-based, empowerment-focused paradigm is introduced to help students conceptualize biological, psychological, cognitive, and social factors as they influence human growth and development within families.

SW-510   Field Practicum I   Credits: 3
Term Offered: Fall Term
Course Type(s): None
This is the first part of a yearlong seminar required of all first-year MSW students completing a field internship. The purpose of the seminar is to integrate experiences from the field with course work, discussion, and personal reflections. Students must earn a grade of B or higher in this course or it will have to be repeated.

SW-513   Social Work Practice in Groups   Credits: 3
Term Offered: All Terms
Course Type(s): None
Builds on social work practice, knowledge, skills and techniques. Describes social work practice with groups. It begins by delving into the history of group work in social work practice. Essentially, the course will explain the stages of group development, as well as concepts and theories related to group work treatment. In addition, different styles of group leadership will be presented, as well as group member roles. Students will be expected to role-play various stages of group development. Group process will also incorporate an ecosystems perspective, with overall emphasis on empowerment utilizing a strengths perspective. Special attention will be given to human rights, social and economic justice, diversity and cultural issues with respect to social work practice with groups. Students must earn a grade of "B or higher or it will have to be repeated.

SW-515   Social Welfare Policy and Services II   Credits: 3
Prerequisite(s): SW-505
Term Offered: Spring Term
Course Type(s): None
Theories and frameworks are used to analyze the development, operation, impact, and strategies for change in today's social welfare policies and services. Students apply analytic skills, scientific knowledge and research concepts to deepen their knowledge about different settings, populations and issues that are influenced and shaped by social needs, social policy, ethical questions, oppression and concerns for social justice.

SW-518   Global Community Practice   Credits: 3
Prerequisite(s): SW-509
Term Offered: All Terms
Course Type(s): None
Required of all graduate Social Work majors, this course focuses on the community as the unit of intervention. Students will be introduced to the spectrum of macro social work practice from a global perspective. Students will learn the skills necessary for conceptualizing and facilitating social change, whether at the agency, neighborhood, state, federal or international level. Direct action (grassroots) organizing will be the framework for learning about social change. Examines international organizing movements and how these compare to organizing efforts in the United States. Students must earn a grade of B or higher in this course or it will have to be repeated.

SW-519   Human Behavior in the Social Environment II   Credits: 3
Prerequisite(s): SW-509
Term Offered: All Terms
Course Type(s): None
This is the second semester of a two-semester course sequence within which students use theory and empirical data to assess human behavior as it develops within a variety of sociopolitical environments. A strengths-based, empowerment-focused paradigm is developed to help students conceptualize the interactions among social identities, such as race, class, ethnicity, sexual orientation and gender expression, as they influence human behavior in larger sociopolitical entities, such as groups, organizations, and communities.

SW-520   Field Practicum II   Credits: 3
Prerequisite(s): SW-510 passed with a grade of B or higher
Co-requisite(s): SW-503, SW-513 and SW-518
Term Offered: All Terms
Course Type(s): None
The second part of a yearlong seminar required of all first-year MSW students completing a field internship. The seminar is generalist in focus. Students must earn a grade of B or higher in this course or it will have to be repeated.

SW-598   Special Topics in Social Work   Credits: 3
Term Offered: Spring Term
Course Type(s): None
The subject matter varies with the interest of the students and the professor teaching the course. The exact nature of the topic covered in any given semester is indicated in the student's transcript. Permission of the department chair required to take this course. If a prerequisite is required it will be announced in the course schedule.

SW-599   Independent Study in Social Work   Credits: 3
Term Offered: All Terms
Course Type(s): None
Reading and research under the direction of a member of the Social Work faculty. Prior permission of the directing professor and department chair is required to take this course.

SW-602   Domestic Violence   Credits: 3
Prerequisite(s): SW-503, SW-505, SW-507, SW-509, SW-513, SW-515, SW-518, SW-519; and SW-510 and SW-520 both passed with a grade of B or higher
Term Offered: All Terms
Course Type(s): None
Highlights the issues of power and control with respect to violence. The societal beliefs and mores of different cultures that condone violence will be examined. The patterns of domestic violence will be studied from the points-of-view of the victims as well as the abusers. Methods of social work practice with family violence as well as current treatment procedures with abusers and victims are included.

SW-603   Addictions Considerations   Credits: 1
Prerequisite(s): SW-503, SW-505, SW-507, SW-509, SW-513, SW-515, SW-518, SW-519; and SW-510 and SW-520 both passed with a grade of B or higher
Term Offered: Spring Term
Course Type(s): None
Deals with the practice of social work with substance abusing clients. It is meant to supplement material covered in SW -604 (Clinical Practice in Addictions) to fulfill the obligations of licensure from the state of New Jersey.

SW-604   Clinical Practice in Addictions   **Credits: 3**
Prerequisite(s): SW-503, SW-505, SW-507, SW-509, SW-513, SW-515, SW-518, SW-519; and SW-510 and SW-520 both passed with a grade of B or higher
Term Offered: All Terms
Course Type(s): None
Evaluates the clinical implications of substance use and abuse at three levels of social work practice. On the micro level, clinical implications including symptomatology, etiology, and physiology of substance use will be addressed. Assessment and treatment theory and techniques will be explored, implemented, and evaluated. On a mezzo level, the effects on, and needs of, the extended family and systemic community of those who use substances, will be addressed. Strategies for meeting those needs will be researched and evaluated. Lastly, on the macro level, existing resources available and active policy regarding substance abuse will be critically studied, and potential proposed changes will be discussed.

SW-605   Clinical Practice with Families and Children   **Credits: 3**
Prerequisite(s): SW-503, SW-505, SW-507, SW-509, SW-513, SW-515, SW-518, and SW-519; and SW-510 and SW-520 both passed with a grade of B or higher
Term Offered: All Terms
Course Type(s): None
Provides a historical perspective on family- centered practice. Introduces major theories and intervention types that are the foundation for clinical work with diverse families. Also listed as EDC-605. Students must earn a grade of B or higher in this course or it will have to be repeated.

SW-611   Social Work Practice with Parents   **Credits: 3**
Prerequisite(s): SW-503, SW-505, SW-507, SW-509, SW-513, SW-515, SW-518, SW-519; and SW-510 and SW-520, both passed with a grade of B or higher
Term Offered: All Terms
Course Type(s): None
Introduces students to assessment and intervention with individuals/couples/groups who are in parenting roles. Parenting techniques from a strengths based perspective and introduced. This course is 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. Ethnic, culture and gender issues are included in the course information as they apply. Family violence, parenting styles, parenting roles, substance abuse and adolescence conflict are among the topics discussed in this course.

SW-613   Social Work Leadership and Management   **Credits: 3**
Prerequisite(s): SW-503, SW-505, SW-507, SW-509, SW-513, SW-515, SW-518, SW-519, and SW-510 and SW-520 both passed with a grade of B or higher.
Term Offered: Fall Term
Course Type(s): None
Students will learn the basic principles and applied practice of management and leadership in nonprofit human service and nongovernmental organizations from a social work perspective grounded in social justice and human rights. A wide range of human services management competencies are studied in this class while identifying internal and external environments for human service organizations and non-governmental organizations. Also, this course will review various organizational theories; human resource management skills; finance resource management skills and knowledge; and other current concerns in human service management.

SW-614   Grant Writing   **Credits: 3**
Term Offered: All Terms
Course Type(s): TPS
Provides students with the opportunity to develop grant writing skills, to apply for a grant for their field internship agency and to begin to learn about project management. Emphasis will be placed on writing skills, concept development, program development and budget preparation. This course is suitable for students in either concentration.

SW-615   Advanced Global and Community Practice   **Credits: 3**
Prerequisite(s): SW-503, SW-505, SW-507, SW-509, SW-513, SW-515, SW-518, SW-519; and SW-510 and SW-520 both passed with a grade of B or higher
Term Offered: Fall Term
Course Type(s): None
This is the first course in the concentration on Global and Community Practice. It is designed to introduce the student to local and global social work practice, with a special emphasis on community development and community organizing. The historical and current political context of development, the policies and practices of international aid, humanitarian agencies, governments and multilateral organizations and the role of social work in addressing human rights and needs are critically examined. Emphasis is given to the impact of social welfare policy decisions upon oppressed population groups and the implications of these decisions for human rights and social and economic justice. The importance of engaging organizations, community groups and institutions and allies to work together to address problems or conditions they have identified and wish to solve or change will also be highlighted. The macro context of the relationship and tensions between Global North and Global South development and practice are explored, as is the impact of this context on global community practice. Knowledge, skills and awareness for community practice work in multicultural local, transnational, and global settings are emphasized in this course. Engagement of communities and organizations via social media campaigns and collaborative in-person activities are also highlighted. Students must earn a grade of "B" or higher in this class or it will have to be repeated and this may delay a student's ability to move forward in the program. Prerequisites: SW-503, SW-505, SW-507, SW-509, SW-513, SW-515, SW-518, SW-519, and SW-510 and SW-520 both passed with a grade of B or higher

SW-616   Social Work Practice with the Aged   **Credits: 3**
Prerequisite(s): SW-503, SW-505, SW-507, SW-509, SW-513, SW-515, SW-518, SW-519; and SW-510 and SW-520 both passed with a grade of B or higher
Term Offered: All Terms
Course Type(s): None
Designed for students specializing in practice with the aged and their families. Examines normative and pathological aging personality. Emphasis is placed on the development of specialized knowledge and skills for assessment, intervention, and evaluation of a variety of issues and needs common in later life. Discussions on the applicability of certain interventions with the older adult and the family will be presented along with ethno-cultural and gender considerations.

SW-617   Environmental Justice and Sustainable Development in Social Work   **Credits: 3**
Prerequisite(s): SW-503, SW-505, SW-507, SW-509, SW-513, SW-515, SW-518, SW-519; and SW-510 and SW-520, both passed with a grade of B or higher
Term Offered: Fall Term
Course Type(s): None
Addresses environmental crises and sustainable development challenges facing social workers in local and global arenas. Special attention will be made to conceptualize these challenges, themes and issues using a social justice and human rights framework embodied in Green Social Work. Social work pathways to facilitating environmental justice through local and global policy, coalitions and programming. Students must earn a "B" or higher in this class or it will have to be repeated and this may delay a student's ability to move forward in the program.

SW-619   Social Work Supervision   **Credits: 3**
Prerequisite(s): SW-503, SW-505, SW-507, SW-509, SW-513, SW-515, SW-518, SW-519; and SW-510 and SW-520 both passed with a grade of B or higher
Term Offered: All Terms
Course Type(s): None
Familiarizes students with the basic concepts of supervision as a vital component of social work practice in three areas: practice skills, administrative needs and evaluation. Covers a historical and theoretical view of supervision, techniques, styles, supervise counter transference, authority, power and the supervision process. Emphasis is placed on the dynamics of supervision, ethical and value principles, professional boundaries and supervision as a leadership function.

SW-621   Social Work with Military Families   **Credits: 3**
Prerequisite(s): SW-503, SW-505, SW-507, SW-509, SW-513, SW-515, SW-518, SW-519; and SW-510 and SW-520 both passed with a grade of B or higher
Term Offered: All Terms
Course Type(s): None
This course is an MSW elective. It is designed to assist students in understanding military systems and cultures within the United States. Also, we will examine contemporary areas of practice for social workers within and outside of the military. Special attention will be given to the impacts of the current and historical conflicts on military personnel, their families, and veterans and also to the ethical issues of working with these populations.

SW-623   Social Innovations   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
The problems facing today's world - global poverty, disease, climate change - are more complex than ever before, and solutions require interdisciplinary thinking and cross-sector collaboration. Social innovation represents a new paradigm that supports the development, implementation, and sustainability of transformational responses to social needs. Social innovation focuses attention on the ideas and solutions that create social value - as the processes through which they are generated, not just on individuals and organizations. This course introduces students to the strategies and processes of social innovation and social change. Students will gain knowledge of strategies of change that include the innovative activities of social and political entrepreneurs, activists, organizations, and social movements. Students will examine several individuals and groups who have catalyzed important positive social change through different organizational platforms - in the market, in government, within the nonprofit sector, and increasingly in the space between these three sectors. Throughout the course students will examine social innovation through case studies, best practice analyses, and relevant readings.

SW-625   Program Planning and Evaluation   **Credits: 3**
Prerequisite(s): SW-503, SW-505, SW-507, SW-509, SW-513, SW-515, SW-518, SW-519; and SW-510 and SW-520 both passed with a grade of B or higher
Term Offered: Spring Term
Course Type(s): None
Provides information about the techniques and procedures involved in the planning process and in the application of research methods to social work practice at the community level. Focus will be on the conceptualization of a social program and on process or planning and the outcome evaluation research. Different approaches to planning and evaluation from a strengths-based empowerment perspective will be surveyed. Students will deal with the theoretical and practical problems of planning and evaluating social welfare programs and services for individuals and families in a global context.

SW-626   Evaluation of Practice Effectiveness   **Credits: 3**
Prerequisite(s): SW-503, SW-505, SW-507, SW-509, SW-513, SW-515, SW-518 and SW-519; and SW-510 and SW-520 both passed with a grade of B or higher
Term Offered: All Terms
Course Type(s): None
Provides information about the values, techniques and procedures involved in the application of research methods to social services and programming. The focus will be on the conceptualization of a social program and on process and outcome evaluation research. Students will deal with the theoretical and practical problems of evaluating social work and social welfare programs and services.

SW-627   Implications of Social Justice and Human Rights for Social Work   **Credits: 3**
Prerequisite(s): SW-503, SW-505, SW-507, SW-509, SW-513, SW-515, SW-518, SW-519; and SW-510 and SW-520 both passed with a grade of B or higher
Term Offered: All Terms
Course Type(s): None
First of a two-course sequence examining the implications and applications of social justice and human rights within social work. Within this course, students develop their knowledge of social justice and human rights principles and theories. Students analyze the implications of those principles and theories for the profession of social work as they develop a proposal for the implementation of social justice and human rights in either an agency-based, creative, or research-focused project.

SW-628   School Social Work   **Credits: 3**
Prerequisite(s): SW-503, SW-505, SW-507, SW-509, SW-510, SW-513, SW-515, SW-518, and SW-519; and SW-510 and SW-520 both passed with a grade of B or higher
Term Offered: All Terms
Course Type(s): None
Designed for students in the MSW program who are either in a school social work field internship, who currently work in the school system, or who anticipate becoming a school social worker in the future. Provides a conceptual framework for understanding social work services in schools. It will also cover educational policy, pupil rights, and the current social issues that school personnel handle.

SW-629   Spirituality and Social Work   **Credits: 3**
Prerequisite(s): SW-503, SW-505, SW-507, SW-509, SW-513, SW-515, SW-518, SW-519; and SW-510 and SW-520 both passed with a grade of B or higher
Term Offered: Fall Term
Course Type(s): None
Provides a forum in which students will explore spirituality in social work practice. Through a critically reflective approach, this course prepares students to respond competently and ethically to diverse spiritual perspectives in relation to themselves, their clients and the helping relationships they create with them.

SW-630   Field Practicum III FC   **Credits: 3**
Prerequisite(s): SW-503, SW-505, SW-507, SW-509, SW-513, SW-515, SW-518, SW-519; and SW-510 and SW-520 both passed with a grade of B or higher
Term Offered: All Terms
Course Type(s): None
Required for advanced-standing students and those in the second year of the MSW program in the CPFC concentration. Focuses on advanced skills and particular techniques used with vulnerable and oppressed populations at each stage of the direct practice helping process and with difficult practice situations, such as resistant and involuntary clients, divorced families, child abuse and neglect, and other serious social problems affecting individuals, client groups, dyads, and family systems. Case examples representing complex client situations are drawn from the populations served by students in their fieldwork placements with a specific emphasis placed on working from a social justice and human rights perspective in the field. Students must earn a grade of B or higher in this course or it will have to be repeated.

SW-631   Field Practicum III CI   **Credits: 3**
Prerequisite(s): SW-503, SW-505, SW-507, SW-509, SW-513, SW-515, SW-515, SW-518, and SW-519; and SW-510 and SW-520 both passed with a grade of B or higher
Term Offered: Fall Term
Course Type(s): None
The semester is spent examining issues and methods in international and community practice. Some time will be spent considering an internship overseas in the spring semester. To this end, the course will expose all students to issues in living and working overseas and on cross-cultural understanding. Special attention is given to strategies that specifically target human rights issues, both in the United States and abroad. Designed to relate specifically to students completing their third semester of field practicum in a macro setting. Students must earn a grade of B or higher in this course or it will have to be repeated.

SW-632   Crisis Intervention   **Credits: 3**
Prerequisite(s): SW-503, SW-505, SW-507, SW-509, SW-513, SW-515, SW-518, SW-519; and SW-510 and SW-520 both passed with a grade of B or higher
Term Offered: All Terms
Course Type(s): None
Examines the multiple definitions, concepts, and models of crisis intervention. Addresses the issue of scope and timing of services. Additionally, the issue of categories of events (private vs. public) will be discussed. The education and training of the crisis intervention specialist will also be explored. The effect of a crisis on the individual, the family and the community is considered. Sociocultural factors will also be considered also.

SW-635   Suicide Prevention and Intervention   **Credits: 3**
Prerequisite(s): SW-503, SW-505, SW-507, SW-509, SW-513, SW-515, SW-518, SW-519; and SW-510 and SW-520 both passed with a grade of B or higher
Term Offered: All Terms
Course Type(s): None
Designed to provide the student with an introduction to the fundamental knowledge and skills necessary for the understanding of and working in clinical practice with individuals at risk for suicidal thoughts, attempts, and completions. Myths and facts of suicide will be reviewed along with providing information on the state of the evidence base for epidemiology, risk factors, prevention, intervention and postvention with the school-aged child and adolescent, elderly, and special high-risk populations such as Native Americans. Open only to MSW students. Students from other majors must get permission of the professor to enroll.

SW-640   Field Practicum IV FC   **Credits: 3**
Prerequisite(s): SW-630 passed with a grade of B or higher
Co-requisite(s): SW-605, SW-645, and SW-665
Term Offered: All Terms
Course Type(s): None
This second course in advanced fieldwork practice focuses on the application of social justice and human rights in practice with individuals, families and groups. It will focus on how culture and the global environment influence assessment and intervention. Students must earn a grade of B or higher in this course or it will have to be repeated.

SW-641   Field Practicum IV CI   **Credits: 3**
Prerequisite(s): SW-631 passed with a grade of B or higher
Co-requisite(s): SW-615 and SW-617
Term Offered: All Terms
Course Type(s): None
Designed to relate specifically to students completing their fourth semester of field practicum in a macro setting. Students are completing 250 hours of fieldwork during this semester while taking this class. It will covers a topic of current interest in social work: cultural competency in the organization and best practice content and readings related to each student's specific field internship. Students must earn a grade of B or higher in this course or it will have to be repeated.

SW-645   Clinical Social Work Assessment Diagnosis and Intervention Planning   **Credits: 3**
Prerequisite(s): SW-503, SW-505, SW-507, SW-509, SW-513, SW-515, SW-518, SW-519; and SW-510 and SW-520 both passed with a grade of B or higher
Term Offered: All Terms
Course Type(s): None
Addresses advanced assessment, diagnosis, and intervention planning with adults. Examines the use of advanced theory in understanding problem formulation, assessment, diagnosis, and intervention planning utilizing a clinical social work approach. Attention is directed to sociocultural factors, policy issues and global environment considerations that impact diagnosis and intervention with persons seeking clinical social work services. The impact of poverty, racism, sexism, homophobia and various manifestations of institutionalized oppression upon clients and clinicians is considered. Intervention methods that enhance adaptive functioning and resiliency are explored. Provides students with an understanding of social work values and ethics as directly related to clinical work, the relevance of critical thinking skills, and the importance of collaborative intervention planning and evaluation of treatment effectiveness. Students must earn a grade of B or higher in this course or it will have to be repeated.

SW-654   Humanitarian Issues in War and Armed Conflict   **Credits: 3**
Prerequisite(s): SW-503, SW-505, SW-507, SW-509, SW-513, SW-515, SW-518, SW-519; and SW-510 and SW-520 both passed with a grade of B or higher
Term Offered: Spring Term
Course Type(s): None
Challenges students to explore and discuss important questions around protecting the rights of vulnerable people during the times of war. International humanitarian law is a set of rules that seeks, for humanitarian reasons, to limit the effects of armed conflict. It protects persons who are not or are no longer participating in the hostilities and restricts the means and methods of warfare. International humanitarian law is also known as the law of war or the law of armed conflict. Only open to MSW students. Students from other majors must get permission of the professor to enroll.

SW-665   Advanced Clinical Practice with Children   **Credits: 3**
Prerequisite(s): SW-503, SW-505, SW-507, SW-509, SW-513, SW-515, SW-518, SW-519; and SW-510 and SW-520 both passed with a grade of B or higher
Term Offered: Spring Term
Course Type(s): None
Builds upon the foundation of individual, family and group work, with advanced practice applications for social work with children. Assessment and intervention skills used with children and adolescents are taught in relation to special issues that impact upon children today nationally and internationally. Students must earn a grade of B or higher in this course or it will have to be repeated.

SW-669   Applications of Social Justice and Human Rights in Social Work   **Credits: 3**
Prerequisite(s): SW-503, SW-505, SW-507, SW-509, SW-513, SW-515, SW-518, SW-519, and SW-627; and SW-510 and SW-520 both passed with a grade of B or higher
Term Offered: All Terms
Course Type(s): None
Second of a two-course sequence examining the implications and applications of social justice and human rights within social work. Guides students in the practice and application of social justice and human rights theories within their concentration-specific engagement with social work. Students undertake the implementation of a project that advances social justice and human rights as appropriate to their concentration area and practice interests.

SW-672   Advanced Theory in Play Therapy   **Credits: 3**
Term Offered: All Terms
Course Type(s): OL
Provides an in-depth understanding of the history and theories of play therapy. Emphasis is placed on the understanding of the roles of therapists and parents through the play process. Diversity and multicultural considerations for theoretical perspectives are highlighted. Also listed as EDL-672 and PC-672.

SW-673   Advanced Techniques in Play Therapy   **Credits: 3**
Term Offered: All Terms
Course Type(s): HY
Provides students with the opportunity to develop techniques and methods of play therapy. Emphasis is placed on working with children, adolescents, and adults through individual, group, and family play therapy. Major topics include group play therapy, family play therapy, short-term play therapy, and sand tray/sand play therapy. Additionally, diversity and multicultural considerations are highlighted. Also listed as EDL-673 and PC-673.

SW-674   Play Therapy for Children at Risk   **Credits: 3**
Term Offered: All Terms
Course Type(s): OL
Focus is on play therapy with vulnerable and high-risk children. Emphasis on working with children, adolescents, and adults using play therapy in trauma and crisis situations is highlighted. Special attention is given to social issues that can lead to or exacerbate trauma or crisis. Also listed as EDL-674 and PC-674.

SW-675   Play Therapy Practicum Seminar I   Credits: 3
Term Offered: All Terms
Course Type(s): None
First of a two-course sequence focusing on the application of play therapy theories and techniques. Students will acquire experience using play therapy theories and techniques that can be used toward the requirements for RPT certification. Students will process the clinical experience of play with children and adolescents, with a review of advanced skills, assessment, and treatment planning during individual and group supervision in the university seminar through videotaped sessions and discussion. The therapeutic relationship is emphasized. Limited to Play Therapy (C.P.SW.PT.) program majors. Students cannot enroll in SW-676 or PC-676 at the same time. Also listed as PC-675.

SW-676   Play Therapy Practicum Seminar II   Credits: 3
Term Offered: All Terms
Course Type(s): None
Second of a two-course sequence focusing on the application of play therapy theories and techniques. Students will acquire experience using play therapy theories and techniques that can be used toward the requirements for RPT certification. Students will process the clinical experience of play with children and adolescents, with a review of advanced skills, assessment, and treatment planning during individual and group supervision in the university seminar through videotaped sessions and discussion. Legal and ethical issues, transference/countertransference, and working with parents/caregivers are emphasized. Limited to Play Therapy (C.P.SW.PT.) program majors. Cannot enroll in PC-675 at the same time. Also listed as PC-676. Prior permission of the CPSWPT Program Coordinator is required.

SW-698   Special Topics in Social Work   Credits: 3
Prerequisite(s): SW-503, SW-505, SW-507, SW-509, SW-513, SW-515, SW-518, SW-519; and SW-510 and SW-520 both passed with a grade of B or higher
Term Offered: All Terms
Course Type(s): None
The subject matter varies with the interest of the students and the professor teaching the course. The exact nature of the topic covered in any given semester is indicated in the student's transcript. Permission of the program director is required.

SW-699   Independent Study in Social Work   Credits: 3
Prerequisite(s): SW-503, SW-505, SW-507, SW-509, SW-513, SW-515, SW-518, SW-519; and SW-510 and SW-520 both passed with a grade of B or higher
Term Offered: All Terms
Course Type(s): None
Reading and research leading to significant written work under the direction of a member of the social work faculty. Prior permission of the directing professor and department chair is required to take this course.

Sociology (SO)

SO-505   Critical Issues in Crime and Delinquency   Credits: 3
Term Offered: All Terms
Course Type(s): None
An overview of some of the major problems confronting criminology and the criminal and juvenile justice systems. Current criminological literature and research will be evaluated in terms of its ability to suggest solutions to these problems.

Software Engineering (SE)

SE-505   Principles of Software Engineering   Credits: 1.5
Term Offered: All Terms
Course Type(s): None
Basic introduction to software engineering. Justification that software engineering is an engineering discipline. The two main components of the software engineering discipline- the software product and software process-will be discussed in detail. For design and verification, there will be a focus on traditional Structured-Analysis method. Limited to Software Engineering students only.

SE-511   Object-Oriented Analysis   Credits: 1.5
Prerequisite(s): SE-505 passed with a grade of B- or higher
Term Offered: All Terms
Course Type(s): CISEL
Introduces the development of the requirements and analysis model for a software application. Uses object-oriented methodologies. This is not a programming course. Limited to Software Engineering students only.

SE-512   Object-Oriented Design   Credits: 1.5
Prerequisite(s): SE-511 passed with a grade of B- or higher
Term Offered: Spring Term
Course Type(s): CISEL
Introduces the design of a software application. Uses object-oriented methodologies. This is not a programming course. Limited to Software Engineering majors only.

SE-517   Engineering Web-Based Systems   Credits: 3
Prerequisite(s): CS-501A
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. The course emphasizes on architectural designs, and language and data access methods that are common in web-based systems.

SE-565   Software System Requirements   Credits: 3
Prerequisite(s): CS-501A, SE-505, and SE-511
Term Offered: All Terms
Course Type(s): CISEL
Students will learn advanced methods in software system requirements. Ideally, these methods should be applied at the system, enterprise or global levels of software development. Methods in requirements elicitation, modeling of enterprises, prioritization and negotiation of requirements will be emphasized. Methods for including Commercial Off-the Shelf (COTS) system applications and product families will be introduced. By the end of the course, students will master the standard documentation of system requirements. Many opportunities for hands-on experience with requirements tools will be provided throughout the course.

SE-571   Software Design and Systems Architecture   Credits: 1.5
Prerequisite(s): SE-565
Term Offered: Spring Term
Course Type(s): CISEL
Introduces software application design and system architecture in terms of the design process, design principles, design notations, design tools, design heuristics, and design patterns. Covers application and system design in detail concentrating on developing designs that are complete, correct, robust, implementable, and deployable. Limited to Software Engineering students only.

SE-572   Enterprise and Global Architecture   Credits: 1.5
Prerequisite(s): SE-571
Term Offered: All Terms
Course Type(s): CISEL
Introduces architectural design at the Enterprise and Global Architectural levels. Provides students with an understanding of how new systems are brought into an organization to interoperate with an existing system, how systems are maintained throughout their lifecycle, and how systems are retired at the end of their lifecycle. Also provides students with an understanding of how the computing capabilities of a company fits into the larger scope of the Internet. Limited to Software Engineering students only.

SE-575   Software Verification, Validation and Maintenance   Credits: 3
Prerequisite(s): CS-501A and SE-505
Term Offered: Fall Term
Course Type(s): None
Covers software verification, validation and maintenance. The first half of the course includes inspections of requirements, design and code as well as testing. The second half addresses the handling of change requests, software evolution, code comprehension, and change management. It will include hands-on experience with a change management system and an automated testing tool.

SE-580   The Process of Engineering Software   Credits: 3
Prerequisite(s): CS-503 and SE-505
Term Offered: Spring Term
Course Type(s): None
Students will learn how to define, apply and improve a software process. The basic components of a software process will be introduced, as well as the most influential process models. Students will experiment with both plan-based and agile methods of software development. The need for continuous process quality assessment and improvement will be described. Models such as CMM, ISO9001 will be introduced as reference models for organizations process models.

SE-588   Software Practice and Experience   Credits: 1
Prerequisite(s): 18 credits from Computer Science or Software Engineering
Term Offered: All Terms
Course Type(s): None
Provides opportunity for Software Engineering graduate students to obtain related experience in employment at a local company or institution, with Monmouth University sponsorship. Available to Software Engineering graduate students who have completed at least eighteen credit hours of graduate courses (500-level), with a minimum G.P.A. of 3.00. Does not satisfy elective requirements. Students may take this course a maximum of two times. This is a pass/fail course.

SE-599   Independent Study in Software Engineering   Credits: 1-3
Prerequisite(s): Completion of at least 12 credits in Software Engineering
Term Offered: All Terms
Course Type(s): None
The development and execution of a significant research project designed by the student in consultation with a software engineering professor. This is an experience meant to focus learning on an area of special interest to the student. Prior permission of the directing professor and department chair is required to take this course.

SE-601   Outsourcing: Specifications and Strategies   Credits: 3
Prerequisite(s): SE-565 and SE-571
Term Offered: Fall Term
Course Type(s): None
Covers issues associated with outsourcing software development in a fashion that assures delivery of acceptable products. The emphasis is on basic factors that determine the effectiveness of outsourcing, strategies for minimizing risk, project tracking, contract-specified breakpoints, and requirements.

SE-602   Technology Assessment   Credits: 3
Prerequisite(s): SE-565 and SE-571
Term Offered: All Terms
Course Type(s): None
Covers the practicalities of assessing a technology for use in delivery of products. It examines how new tools, processes, and training fit into an overall technology-adoption decision.

SE-603   MOST Implementation   Credits: 3
Prerequisite(s): SE-565 and SE-571
Term Offered: Spring Term
Course Type(s): None
A practical application of MOST concepts by following the process of adopting a new technology and putting the appropriate elements into an organization. Focuses on technology assessment, cost, scheduling, training, and project management.

SE-610   Software Systems Security   Credits: 3
Prerequisite(s): SE-505
Term Offered: Fall Term
Course Type(s): None
Threats, vulnerabilities, and attacks to network- based systems, Heuristic procedures for breaking systems. UNIX and Internet case studies. Security modeling techniques including Bell-Lapadula, Biba, and Clark-Wilson. Composition of non-deducibility and noninterference security. Safeguard techniques including cryptographic protocols, online auditing and intrusion detection, access control, Internet firewalls, authentication, security kernel design, and trusted software development. Case studies in database security and secure network design.

SE-611   Secure Web Services Design   Credits: 3
Prerequisite(s): SE-565
Term Offered: All Terms
Course Type(s): None
Web applications present a complex set of security issues for architects, designers, and developers. The most secure and hack-resilient Web applications are those that have been built from the ground up with security in mind. This course focuses on principles of secure Web applications design. Topics include threats and counter measures, security in Web service frameworks, session control, access control, and data protection. Also listed as CS-611.

SE-615   Usability Engineering/Human-Computer Interaction   Credits: 3
Prerequisite(s): SE-565
Term Offered: Spring Term
Course Type(s): None
Explores the requirements analysis, design and evaluation of the Computer User Interface in the context of Software Engineering Processes. Specific methods and design problems will be illustrated with real-world examples in information technology, the Internet, communications, mobility, multimedia, and speech technologies. Prepares students to perform usability tasks directly or to successfully manage and collaborate with usability experts.

SE-616   Extensible Markup Language (XML)   **Credits: 3**
Prerequisite(s): CS-501B
Term Offered: Summer Term
Course Type(s): None
Presents XML fundamental concepts, XML as a document format, XML as a data format, and special topics in using XML.

SE-620   Networked Software Systems I   **Credits: 3**
Prerequisite(s): SE-565 and SE-571
Term Offered: Fall Term
Course Type(s): None
Network Computing Models, Concepts and Requirement specification; Techniques for Interprocess Communication; Message Passing; Remote Procedures Calls; Directory Service; Synchronization; Task Partition and Allocation; Threads; Security and Authentication; Time Management.

SE-621   Networked Software Systems II   **Credits: 3**
Prerequisite(s): SE-620
Term Offered: Spring Term
Course Type(s): None
Distributed File Systems, Replication, Shared Data, Transactions, Distributed Operating Systems, Micro Kernels, Network Operating Systems, Computing Environments and Toolkits: ONC, DCE, ISIS, Languages.

SE-623   Management Information Systems   **Credits: 3**
Term Offered: All Terms
Course Type(s): None
A survey of the concepts of management information systems and the information needs of management. A user-oriented introduction of the fundamentals of information systems and their integration into business organizations. Also listed as MIS-623. Not open to students who have successfully completed BM-520.

SE-625   Information Systems Architecture   **Credits: 3**
Prerequisite(s): SE-565 or MIS-565
Term Offered: Fall Term
Course Type(s): None
Theoretical and practical issues related to the modeling and design of information systems to support medium to large organizations. The Target Architecture and its roles in building enterprise-wide information systems. Operational, warehouse, departmental, and individual-level data. Data modeling levels and associated constructs: Entity-Relationship Diagrams, Data Item Sets, Physical Data Models. Process modeling levels and associated constructs: Functional decomposition, Context diagrams, Data Flow Diagrams, State transition Diagrams, HIPO charts, Pseudo-code and programming specs. Relationship with Object-based modeling. Also listed as MIS-525.

SE-626   Information Systems Engineering   **Credits: 3**
Prerequisite(s): SE-625
Term Offered: Spring Term
Course Type(s): None
Theoretical and practical issues related to the implementation of information systems to support medium to large organizations. Databases within the Target Architecture and their role in building enterprise-wide information systems. Logical vs. Physical database design. Transaction Processing (TPS) and Decision Support Systems (DSS): similarities and differences. Knowledge-based systems. Implementation issues; reliability, integrity, security, performance, scalability and maintainability. Review of existing commercial tools and environments for building, using and maintaining Information Systems for the enterprise.

SE-630   Real Time Software Analysis and Specification   **Credits: 3**
Prerequisite(s): CS-503 and SE-505
Term Offered: Fall Term
Course Type(s): None
Scheduling policies and mechanisms. Classification of Real-Time Systems: hard, soft; uniprocessor, multiprocessor, distributed. Kernels and executives. Real-time programming languages and their tasking systems. Real-Time distributed systems; processor and communication scheduling domains, priority inversions and mappings, global time synchronization. Real-Time Structured Analysis (TTSA), CASE tools for RTSA, Real-Time Object Oriented Analysis methods. Comparison to RTSA. Prototyping real-time software systems. Using prototype tools like CAPS (Computer Aided Prototyping System) to establish and validate system requirements. For Software Engineering majors only.

SE-631   Real-Time Software Design and Implementation   **Credits: 3**
Prerequisite(s): SE-630
Term Offered: Spring Term
Course Type(s): None
Criteria and trade-off for partitioning the functions of a real-time system among the hardware, firmware, and software. The interfaces of a real-time system to the external environments such as sensors and actuators. Designing real-time systems: structured and object-oriented methods. Case studies and comparison between the two. Design verification and validation. Implementation of Real-Time Systems. Development environments and tools: Simulators, Emulators and Debuggers. Testing Real-Time systems. Test coverage and regression testing. Special approaches for Real-Time software testing. Engineering and organizational issues in real-time software development. Performance testing and its importance in real-time systems.

SE-650   Software Project Management   **Credits: 3**
Prerequisite(s): SE-505
Term Offered: Fall Term
Course Type(s): None
Project management techniques and their application to the management of software projects. How to develop a software development plan and its associated tasks, milestones and deliverables. Software project scheduling and the establishment of relationships among the different tasks. Tasks, dependencies and conflict resolution. Resource management and allocation. Software project cost estimation. Algorithmic models for estimating costs: the COCOMO model and its derivatives. Risk assessment and its impact in the planning and scheduling of software projects. Software project measurement and tracking. Comparative review of software tools for software project management. Software configuration management and its importance in the management of large software projects. Also listed as MIS-550. For Software Engineering students only.

SE-651   Software Organization Management   **Credits: 3**
Prerequisite(s): SE-505
Term Offered: Spring Term
Course Type(s): None
Management issues regarding the software process. Authority and delegation. Leadership and leadership paradigms. Software Team management: organization, staffing and valuation, organizational alternatives. Centralized vs. Decentralized organizations. Managing design, development and testing teams. Managing software support organizations. Strategies for staffing: minimal vs. redundant staffing. Combining generalists and specialists to achieve an optimal staff configuration. Staff development and growth. Fostering professional growth within the organization. Evaluation strategies and techniques. Compensation and reward issues. Also listed as MIS-551.

SE-691　Software Engineering Thesis Research　　**Credits: 3**
Prerequisite(s): SE-565, SE-571, and SE-580
Term Offered: All Terms
Course Type(s): None
Independent research in software engineering, spanning a period of two consecutive semesters in an area not substantially covered in a regular course offering, under the supervision of a software engineering faculty member. A formal thesis is required. An oral defense of the thesis before a committee of two faculty members, plus the advising professor is required. Depending on the topic, a reviewer from outside the software engineering department may be asked to serve as a committee member. Limited to Software Engineering majors.

SE-692　Software Engineering Thesis Research　　**Credits: 3**
Prerequisite(s): SE-691 and prior permission of the advising professor
Term Offered: All Terms
Course Type(s): None
Independent research in software engineering, spanning a period of two consecutive semesters in an area not substantially covered in a regular course offering, under the supervision of a software engineering faculty member. A formal thesis is required. An oral defense of the thesis before a committee of two faculty members, plus the advising professor is required. Depending on the topic, a reviewer from outside the software engineering department may be asked to serve as a committee member. Limited to Software Engineering majors.

SE-695A　Software Engineering Practicum　　**Credits: 3**
Prerequisite(s): SE-565, SE-571, and SE-580
Term Offered: All Terms
Course Type(s): None
A two-semester course sequence with major emphasis on hands-on, team-oriented large software development projects. Students will be asked to form groups of three to five persons, who will work as a software team whose purpose will be to develop a software product. The particular product will be chosen through negotiation with the instructor. Teams will operate in accordance with a well-defined set of policies and procedures (documented in an SE Handbook) that governs the entire development process. This document process addresses work products, roles, activities, entry and exit criteria, reviews and audits, documented procedures, and training. The practicum will also include the use of a set of approved tools. Additional software project management topics such as planning, estimation, and tracking will be covered. Project management techniques and their application to the management of software projects. How to define a software development plan, its associated tasks, milestones, and deliverables. Software project scheduling and the establishment of relationships among the different tasks. Task dependencies and conflict resolution. Resource management and allocation. Software project cost estimation. Algorithmic models for estimating costs: the COCOMO model and its derivatives. Risk assessment and its impact in the planning and scheduling of software projects. Software project measurement and tracking. Comparative review of software tools for software project management. Software configuration management and its importance in the management of large software projects. The students will be asked to serve in team roles, hold oral reviews, and prepare documentation appropriate to their project. Students in the class will participate in the reviews of other teams in the class. At the end of the second semester, each team will give a formal presentation on the project. Limited to Software Engineering majors.

SE-695B　Software Engineering Practicum　　**Credits: 3**
Prerequisite(s): SE-695A
Term Offered: All Terms
Course Type(s): None
A two-semester course sequence with major emphasis on hands-on, team-oriented large software development projects. Students will be asked to form groups of three to five persons, who will work as a software team whose purpose will be to develop a software product. The particular product will be chosen through negotiation with the instructor. Teams will operate in accordance with a well-defined set of policies and procedures (documented in an SE handbook) that governs the entire development process. This documented process addresses work products, roles, activities, entry and exit criteria, reviews and audits, documented procedures, and training. The practicum will also include the use of a set of approved tools. Additional software project management topics such as planning, estimation, and tracking will be covered. Project management techniques and their application to the management of software projects. How to define a software development plan, its associated tasks, milestones, and deliverables. Software project scheduling and the establishment of relationships among the different tasks. Task dependencies and conflict resolution. Resource management and allocation. Software project cost estimation. Algorithmic models for estimating costs: the COCOMO model and its derivatives. Risk assessment and its impact in the planning and scheduling of software projects. Software project measurement and tracking. Comparative review of software tools for software project management. Software configuration management and its importance in the management of a large software project. Students will be asked to serve in team roles, hold oral reviews, and prepare documentation appropriate to their project. Students will participate in the reviews of other teams in the class. At the end of the second semester, each team will give a formal presentation on the project. Limited to Software Engineering majors.

SE-698　Special Topics in Software Engineering　　**Credits: 3**
Term Offered: All Terms
Course Type(s): None
The subject matter varies with the interest of the students and of the professor teaching the course. The exact nature of the topic covered in any given semester is indicated in the student's transcript. Approval of the department is required to take this course. If a prerequisite is required it will be announced in the course schedule.

SE-699　Individual Research Project in Software Engineering　　**Credits: 3**
Term Offered: All Terms
Course Type(s): None
The development and execution of a significant research project designed by the student in consultation with a software engineering professor. An experience meant to focus learning on an area of special interest to the student. Prior permission of the directing professor and department chair is required to take this course.

Speech Language Pathology (SLP)

SLP-CPE　Comprehensive Portfolio Examination　　**Credits: None**
Prerequisite(s): SLP-680
Term Offered: Spring Term
Course Type(s): None
Students will complete a comprehensive project demonstrating their clinical and research skills. This is a pass/fail course.

SLP-600   Professional Issues in Speech-Language Pathology   Credits: 3
Term Offered: Spring Term
Course Type(s): None
Presents professional practice issues in speech-language pathology including scope of practice, certification and licensure as well as healthcare legislation and regulation. Code of ethics and ethical decision-making will also be addressed. Students will have the opportunity to explore contemporary service delivery topics using case studies focusing on ethical dilemmas and controversial practices that may arise in professional settings. Students will also be exposed to multicultural perspectives to contemporary issues as well as evidence-based practice.

SLP-604   Clinical Methods in Speech-Language Pathology   Credits: 3
Term Offered: Summer Term
Course Type(s): None
Introduction to therapeutic methodologies in preparation for participation in clinical practicum. Provides advanced instruction in evidence-based therapeutic methods and documentation in speech-language pathology. Students will be prepared to engage in informative clinical decision making and intervention. Includes instruction of therapy techniques and procedures, as well as the development of professional goal and report writing skills.

SLP-610   Neurological Language Disorders and Aphasia   Credits: 3
Term Offered: Fall Term
Course Type(s): None
Addresses the nature, etiology, and clinical management of adults with acquired language disorders, with primary emphasis on aphasia and related cognitive disorders. Students will study the structures and functions of the central and peripheral nervous system as they relate to human speech, language and cognition.

SLP-614   Assessment and Treatment of Dysphagia   Credits: 3
Term Offered: Spring Term
Course Type(s): None
Examines assessment and intervention for feeding and swallowing disorders in children and adults. Addresses the implementation of clinical examination procedures and interpretation of instrumental diagnostic procedures. Instructional strategies for rehabilitation and compensatory feeding strategies will be provided.

SLP-625   Assessment Procedures in Speech-Language Pathology
Credits: 3
Term Offered: Summer Term
Course Type(s): None
Presents an overview of diagnostic tests and procedures used in assessment of speech and language disorders across the lifespan. Students will learn the principles of measurement including reliability and validity, the calculation and interpretation of standardized test results and standard deviation.

SLP-630   Pediatric Language Disorders   Credits: 3
Term Offered: Summer Term
Course Type(s): None
Examines the communicative behaviors of infants, toddlers, and preschoolers and school-age children at risk or diagnosed as having a communication disorder. Students will learn etiologies, characteristics, assessment, and intervention strategies that are appropriate for treating children with language disorders. Particular emphasis will be placed on academic, cognitive and augmentative aspects of language use with populations who are culturally and linguistically diverse.

SLP-636   Communication in Autism Spectrum Disorders   Credits: 3
Term Offered: Fall Term
Course Type(s): None
Provides students with information regarding the types of Autism Spectrum Disorders and the unique communication skills of individuals with Pervasive Development Disorder and Autism Spectrum Disorders. Students learn therapy techniques and alternative communication methods. This course will use a lifespan perspective.

SLP-645   Speech Sound Disorders   Credits: 3
Term Offered: Fall Term
Course Type(s): None
Examines both typical and disordered phonetic and phonological development in children, the nature of nonorganic articulation and phonological disorders, the evaluation process and appropriate intervention strategies for linguistically diverse populations.

SLP-650   Fluency Disorders   Credits: 3
Term Offered: Spring Term
Course Type(s): None
Reviews stuttering and dysfluency behaviors; historical and etiological description and treatment; current theories of stuttering; contemporary research in the field; and treatment of stuttering.

SLP-655   Disorders of Voice and Resonance   Credits: 3
Term Offered: Fall Term
Course Type(s): None
Examines normal and abnormal laryngeal function. The nature and etiology of a variety of vocal pathologies will be explored. Identification, assessment as well as evidence-based treatment strategies for functional, neurogenic and organic voice disorders will be presented. Case studies and guided observations will be used. Designed to extend the foundation knowledge of the speech-language pathology student relevant to the nature of resonance disorders including cleft palate.

SLP-660   Motor Speech Disorders   Credits: 3
Term Offered: Fall Term
Course Type(s): None
Examines the neurological basis of acquired and congenital motor speech disorders including dysarthria and apraxia as well as the accompanying communication disorders that result from damage to the central nervous and peripheral nervous systems. Students learn the principles and procedures for the assessment and remediation of motor speech disorders.

SLP-664   Audiology and Aural Rehabilitation   Credits: 3
Term Offered: Summer Term
Course Type(s): None
Examines techniques employed in assessing hearing function in adults and children and studies the pathologies of the auditory and related systems. Provides an introduction to the impact of hearing loss on speech and language development, communication, education, and psycho-social development. Students gain practical experience developing aural rehabilitation programs using technological aids for the hearing impaired.

SLP-665   Augmentative and Alternative Communication   Credits: 3
Term Offered: Spring Term
Course Type(s): None
Provides information about augmentative and alternative communication (AAC) assessment and intervention practices related to providing services for clients with AAC needs. Students will learn concepts, strategies, techniques and issues in the field of AAC. Focus will include research that has been conducted in the field of AAC, assessment and clinical procedures, meeting the AAC needs of clients with developmental and acquired disabilities across the lifespan, and hands-on training with devices and methods of AAC.

SLP-675   Traumatic Brain Injury   Credits: 3
Term Offered: Fall Term
Course Type(s): None
Examines neurophysiological, cognitive, neuropsychological, and social/emotional issues associated with traumatic brain injury. Assessment and treatment for cognitive disorders associated with traumatic brain injury will be addressed.

SLP-679   Diagnostic Practicum in Speech-Language Pathology   Credits: 3
Term Offered: Summer Term
Course Type(s): None
Provides clinical practicum hours in the assessment of speech and language in children and adults. Students will plan, carry out and report diagnostic assessments.

SLP-680   Research Methods   Credits: 3
Term Offered: Spring Term
Course Type(s): None
Teaches students the history of research and role of the IRB, ethical practices in research, APA style, development of a research question based on clinical needs, how to conduct a literature search on a topic, and develop a literature review. Students will also learn the difference between quantitative and qualitative research, research strategies and designs for communication sciences and disorders, data analysis, commonly used statistical tests, and methods for reporting results. Finally, students will learn to compare and contrast findings from various studies and to apply research findings to clinical practice.

SLP-681   Clinical Practicum I   Credits: 3
Prerequisite(s): SLP-604
Term Offered: Fall Term
Course Type(s): None
Provides supervised clinical practicum hours in therapeutic management of speech and language disorders.

SLP-682   Clinical Practicum II   Credits: 3
Prerequisite(s): SLP-681
Term Offered: Spring Term
Course Type(s): None
Provides supervised clinical practicum hours in therapeutic management of speech and language disorders.

SLP-683   External Clinical Practicum I   Credits: 3
Prerequisite(s): SLP-682
Term Offered: Fall Term
Course Type(s): None
Provides supervised clinical practicum at an off-campus facility serving a variety of populations. Examples of placement sites include acute-care hospitals, rehabilitation centers, long-term care facilities and private practices.

SLP-684   External Clinical Practicum II   Credits: 3
Prerequisite(s): SLP-683
Term Offered: Spring Term
Course Type(s): None
Provides supervised clinical practicum at an off-campus facility serving a variety of populations. Examples of placement sites include acute care hospitals, rehabilitation centers, long-term care facilities and private practices.

Theatre (TH)

TH-526   Comedy and Drama in Western Culture   Credits: 3
Term Offered: All Terms
Course Type(s): None
Explores the development of comic invention in drama in relation to social history. Readings in early European drama and social history are augmented by representations in art of early theaters, performances and comic themes. Videotapes are used to explore the development of traditional comic themes in modern theatre.

TH-598   Special Topics in Theatre   Credits: 3
Term Offered: All Terms
Course Type(s): None
To equip teachers with the ability to use creative dramatics in the classroom. The emphasis is on the participant and participation. Dramatic play and play-making are integral to the class. Techniques will be taught that can be transferred to many other subjects and disciplines. Students should attend comfortably dressed. If a prerequisite is required it will be announced in the course schedule.

TH-599   Independent Study in Theatre   Credits: 3
Term Offered: All Terms
Course Type(s): None
Reading and research leading to significant written work under the direction of a member of the theatre faculty. Prior permission of the directing professor and department chair is required to take this course.

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