M.S. IN INFORMATION SYSTEMS, TECHNOLOGY TRACK, THESIS TRACK (IS.T.TT.MS)

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 Requirements	3
MIS-525	Information System Architecture	3
MIS-575	Software Verification, Validation and Maintenance	3
MIS-514	Networks	3
Select three of the following:		9
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 Managerial Accounting, 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.