

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-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

Management, Principles of Software Engineering, and Data Structures and Algorithms.

- 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.
- 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.

Admission Requirements

- 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.
- Applicants to the Technology track must have completed courses equivalent to Program Development I and II, Introduction to