

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 | |
| 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.