

INFORMATION TECHNOLOGY MANAGEMENT

Master of Science in Information Technology Management

The online M.S. in Information Technology Management program represents a fully online fixed curriculum consisting of 37 credits – 12 three-credit courses and a one-credit capstone preparation course. The required capstone course, which represents the culminating experience in the program, will provide students with the opportunity to apply skills acquired from coursework through a project-based experience that addresses a problem, need, or concern in an IT setting. Utilizing project management and leadership tools obtained through coursework and by working directly with IT leaders in the field, the students' hands-on project may result in an action plan or product suitable for implementation by the host organization.

Student Learning Outcomes and Program Objectives

Students completing the M.S. in IT Management degree will gain the following core competencies and learning outcomes:

Competency A: Conduct financial analysis and develop and manage technology budgets

Upon completion of the program, students will be able to:

- Interpret and create pro forma financial statements
- Perform financial analysis for IT strategic planning purposes including portfolio management
- Develop and manage technology budgets

Competency B: Lead and manage technology functions, projects and personnel

Upon completion of the program, students will be able to:

- Plan and manage technology projects
- Develop organizational leadership skills relevant for IT management
- Lead IT personnel to meet organizational needs

Competency C: Demonstrate effective professional collaboration and soft skills appropriate for technology settings

Upon completion of the program, students will be able to:

- Demonstrate ability to effectively conduct crucial conversations
- Demonstrate ability to effectively communicate with stakeholders across the organization
- Demonstrate professional behavioral skills accounting for ethics, diversity and cultural sensitivity

Competency D: Manage security and compliance, accounting for governance and ethical implications

Upon completion of the program, students will be able to:

- Apply ethical frameworks to analyze problems and evaluate alternative solutions

- Create and manage technology policies and procedures for an organization with an understanding of the regulatory environment
- Interpret and manage IT governance policies
- Design appropriate security architecture with an understanding of the technology

Competency E: Investigate and plan innovative solutions for business challenges

Upon completion of the program, students will be able to:

- Evaluate the impact of emerging technologies
- Analyze data to address organizational challenges and create competitive advantages
- Analyze requirements and propose technical solutions

Competency F: Engineer, develop and deploy strategies for enterprise systems

Upon completion of the program, students will be able to:

- Develop appropriate data management technologies
- Create and deploy enterprise solutions in support of organizational goals
- Plan and implement projects related to infrastructure, security, software development or data analysis

Admission and Program Requirements

Admission requirements for the MS in IT Management Program include a Bachelor's degree and a 3.0 undergraduate GPA. Program prerequisites will include Programming 1, Database 1, and Data Communications/Network. Students will be required to satisfy all program prerequisites prior to formal admission into the program. There are no required aptitude tests for admission in the program (e.g. GRE, GMAT, other).

Faculty and Instructional Staff

Shaun Lynch, Professor, Academic Director
Shin-Ping Tucker, Professor

Curriculum and Courses

The MS in IT Management Program requires 37 credits which includes 12 three-credit courses and a one-credit capstone preparation course.

Students must maintain an overall cumulative GPA of 3.0 or better to graduate.

Code	Title	Hours
ITM 700	Communications for IT Professionals	3.00
ITM 705	Leading the IT Function	3.00
ITM 710	Finance for IT Managers	3.00
ITM 715	Data Science	3.00
ITM 720	Cloud Computing and Enterprise Applications	3.00
ITM 725	Enterprise Security	3.00
ITM 730	Agile and Traditional IT Project Management	3.00
ITM 735	Business Analysis and System Development	3.00
ITM 740	IT Operations	3.00

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ITM 745	IT Governance, Ethics, and Regulatory Compliance	3.00
ITM 750	Evaluation of Emerging Technologies	3.00
ITM 754	Capstone Preparation	1.00
ITM 755	Capstone	3.00
Total Hours		37.00