

## PROGRAM OVERVIEW

As computers have become pervasive within business and industry, corporate leaders are faced with a number of staff-associated issues within an Information Technology (IT) department. An increase in size and number of IT departments makes these issues more critical.

Management of an IT department requires skills and knowledge specialized for the IT field. An IT manager needs a strong technical background in order to understand and appreciate the special needs and problems associated with IT. Traditional MIS concentrations within MBA programs often do not provide the depth needed for these specialized IT management tasks.

Fundamental business and management practices need to be understood by IT management personnel in order for them to work effectively within a business environment. A traditional graduate program in computer science does not provide the skills and knowledge needed by a manager to work effectively within an organization.

The Master of Science in Information Technology Management (MSITM) offered by the Computer and Information Sciences (CIS) department is designed to address these needs. The program is a blend of information systems theory and business management that provides the technical skills needed to function effectively within an IT department and management skills needed to successfully manage the IT department within a corporate environment.

**mission and goals** The Department of Computer and Information Sciences has the mission of providing its majors with the opportunity to develop a deep understanding of the core concepts in traditional computer science, information systems or computer networks. The objective of the MSITM program is to develop IT managers competent in the justification, analysis, design, implementation and management of information technology solutions and to be able to apply them to a diverse set of enterprise challenges. Additionally, the program should develop managers who are cognizant of the human resource, financial, strategic and technical issues surrounding the IT function in today's enterprise.

Graduates of the Master of Science in Information Technology Management should:

- > Exhibit knowledge of the skills required in project management, systems analysis, network implementation and software development.
- > Demonstrate competence in the management of human resources and projects.
- > Be able to identify appropriate technologies and methodologies for adoption by the enterprise.

- > Be sensitive to the financial, strategic and ethical issues relating to the IT function and its technologies.

**curriculum and degree requirements** The requirements for the MSITM are divided into three components: computer core, business core and electives. A minimum of 36 credits is required. All courses are 3 credit hours each.

**Computer Core:** 15 credits required

CSCI 560	Data Management
CSCI 570	Advanced Computer Networks and Data Communications (Prerequisite: CSCI 270 or equivalent)
CSCI 600	Systems Analysis in the Enterprise
CSCI 650	Project Management and Control
CSCI 640	Legal and Ethical Issues of Computing

**Business Core:** 9 credits required. Take one course from each skill area.

**People Skills**

MBA 690	Leadership Through People Skills
MOL 529	Conflict Resolution
MBA/MOL 621	Human Behavior in Organizations

**Organizational Skills**

MBA 605	Integrative Organizational Theories and Business Systems
MBA 785	Human Resource Management

**Analytical Skills**

MBA 606	Managerial Accounting
MBA 670	Operations Management

**Electives:** 12 credits required, with at least 9 credits selected from the following CSCI courses (with program director's permission, student may elect to take one 3 credit class from another St. Ambrose graduate-level program).

CSCI 515	Computer and Network Security (Prerequisite: CSCI 270 or equivalent)
CSCI 630	Information Assurance
CSCI 660	Computers and Commerce
CSCI 740	Management of Information Technology
CSCI 780	Advanced Topics in Information Systems
CSCI 790	Research (may be repeated up to 6 credit hours)

**Optional:** Recommended for those seeking career change or for enhancement of experience base.

CSCI 775	Professional Internship (1 credit)
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**transfer of credit** MSITM candidates may transfer graduate level credit from another university. Approval of transfer credit is based on the following criteria: the credit must have been earned within the last 5 years, is graduate level credit from an accredited university, a grade of B or higher was earned in the course, and the course is deemed equivalent to a course offered by SAU and applicable to the MSITM. In no case will more than 9 transfer credits be applied to the requirements for the MSITM.

**admission requirements** Apply online at [www.sau.edu/apply](http://www.sau.edu/apply). An applicant must meet the following departmental criteria for admission:

- > A cumulative GPA of 2.8 on a 4.0 scale in all undergraduate work.
- > A baccalaureate degree from an accredited university.

A student accepted into the Master of Science in Information Technology Management degree program will be required to meet all prerequisites for each MSITM and MBA course before that particular course is attempted. All undergraduate prerequisites must be completed with a grade of “C” or higher.

Applicants who do not meet the minimum standards for unconditional acceptance but who have an undergraduate GPA between 2.6 and 2.8 may submit a written appeal to the department in consideration for conditional acceptance.

**admission appeals procedure** A written request for review must be submitted that describes any extenuating circumstances that would explain the non-qualifying GPA.

In addition, the candidate may also include letters of recommendation that speak to the candidate’s abilities and commitment to graduate level work, and any other materials he/she feels would be beneficial for admissions consideration.

After reviewing the materials submitted by the candidate the department may request an interview.

**application procedure** To apply for the Master of Science in Information Technology Management Program, submit the following to the program director:

- > A completed application for admission form with non-refundable \$25 application fee. Checks should be made payable to St. Ambrose University.
- > Official transcripts from all higher education institutions attended.

**financial assistance** A limited amount of MSITM Graduate Fellowship financial aid for entering students is available. Check with the program director for details. In addition, the St. Ambrose University Financial Aid Office provides information on loans for graduate studies.

**international students** Visa holders are subject to federal nonimmigrant laws that vary based on visa type. For information on admission requirements and academic guidelines for specific visa types, contact International Student Services at [global@sau.edu](mailto:global@sau.edu).

### for further information

Kenneth Grenier, Director  
563/333-6173  
[www.sau.edu/msitm](http://www.sau.edu/msitm)  
[msitm@sau.edu](mailto:msitm@sau.edu)

Master of Science in Information Technology Management  
St. Ambrose University, 518 W. Locust St., Davenport, Iowa 52803

The material presented here is for informational purposes and does not substitute for the catalog. Consult the official university catalog for complete program requirements.

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