Interdisciplinary Program Jointly Offered by the College of Engineering and Computer Science and the College of Business

THE PROGRAM

The Master of Science in Information Technology and Management (MSITM) is jointly offered by the department of computer and electrical engineering and computer science (CEECS) in the College of Engineering and Computer Science and the department of information technology and operations management (ITOM) in the College of Business. Designed for highly motivated individuals with computing and/or managerial backgrounds, the program aims to prepare students for a management career in the area of information technology in organizations. To allow for maximum flexibility in career aspirations, students can select from two available tracks: Advanced Information Technology, emphasizing the technical aspect of organizational IT systems and Information Technology Management, focusing on the management issues of IT in organizations.

Admission Requirements

To be admitted to the MSITM program applicants must have

• An undergraduate degree in Computer Science, Information Engineering Technology or an IT-related field of study.
• Applicants with another undergraduate degree and documented work experience of two or more years in an IT function will be evaluated as well.
• An undergraduate GPA of 3.0 or higher.
• A combined score of 295 or higher on the Verbal and Quantitative sections of the GRE or a GMAT score of 500 or higher.
• A satisfactory score in the Test of English as a Foreign Language (TOEFL) or the International Language Testing System (IELTS) for international students.
• Met other requirements of the FAU Graduate College.

www.fau.edu/graduate

Curriculum Requirements

Students are required to complete 33 graduate level credits, or 11 three-credit courses, with a 3.0 GPA or better to graduate. Students in the Advanced Information Technology track will be awarded the degree by the College of Engineering and Computer Science, while those in the Information Technology Management track will have their degrees awarded by the College of Business.
ADVANCED INFORMATION TECHNOLOGY TRACK

Students in this track are required to take the following four courses:

- ISM 6026 Management of Information Systems and Technology
- COP 5339 Object-Oriented Software Design
- CAP 6673 Data Mining and Machine Learning
- CEN 5035 Software Engineering

In addition, students need to take five electives from the following CEECS course selection:

- CIS 6370 Computer Data Security
- EEL 6591 Wireless Networks
- COT 5930 Topics in Computer Science
- CIS 6302 Mobile Computing
- COT 6930 Topics in Computer Science
- CEN 6076 Software Testing
- COP 5595 Component Programming with .NET
- CEN 6405 Computer Performance Modeling
- CEN 6885 Video Communication
- CEN 6085 Software Architecture and Patterns

The last two electives can be chosen from the following information technology and operations management (ITOM) courses:

- ISM 6368 Enterprise Information Technology Service Management
- ISM 6316 IT Project Management
- ISM 6328 Information Security Management
- ISM 6237 E-Business Development
- ISM 6509 IT Sourcing Management
- ISM 6405 Advanced Business Analytics

INFORMATION TECHNOLOGY MANAGEMENT TRACK

Students in this track are required to take the following eight courses offered by the College of Business:

- GEB 6215 Graduate Business Communication Applications
- ISM 6026 Management of Information Systems and Technology
- ISM 6368 Enterprise Information Technology Service Management
- ISM 6316 IT Project Management
- ISM 6328 Information Security Management
- ISM 6237 E-Business Development
- ISM 6509 IT Sourcing Management
- ISM 6405 Advanced Business Analytics

In addition, students need to take three electives from the following courses offered by the College of Engineering and Computer Science:

- COP 5339 Object-Oriented Software Design
- COP 6731 Theory and Implementation of Database Systems
- CEN 5035 Software Engineering
- CIS 6370 Computer Data Security
- EEL 6591 Wireless Networks
- CAP 6673 Data Mining and Machine Learning
- COT 5930 Topics in Computer Science
- CIS 6302 Mobile Computing
- CEN 6076 Software Testing
- COP 5595 Component Programming with .NET
- COT 6930 Topics in Computer Science
- CEN 6405 Computer Performance Modeling
- CEN 6885 Video Communication
- CEN 6085 Software Architecture and Patterns