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.
- International students from non-English-speaking countries must be proficient in written and spoken English as evidenced by a score of at least 500 (paper-based test) or 213 (computer-based test) or 79 (Internet-based test) on the Test of English as a Foreign Language (TOEFL) or a score of at least 6.0 on the International English Language Testing System (IELTS).
- Met other requirements of the FAU Graduate College.

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 are required to take the following four courses:

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

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

- CAP 6776 Information Retrieval
- CAP 6778 Advanced Data Mining and Machine Learning
- CEN 5086 Cloud Computing
- CEN 6027 Software Maintenance and Evolution
- CEN 6076 Software Testing
- CEN 6085 Software Architecture and Patterns
- CEN 6405 Computer Performance Modeling
- CIS 6370 Computer Data Security
- CNT 6517 Mobile Computing
- CNT 6885 Video Communication
- COP 6731 Theory and Implementation of Database Systems
- COT 5930 Topics in Computer Science
- CTS 6319 Cyber Security: Measurement and Data Analysis
- EEL 6591 Wireless Networks

The last two electives can be chosen from the following ITOM courses:

- ISM 6316 Information Technology Project and Change Mgmt.
- ISM 6328 Management of Information Assurance and Security
- ISM 6368 Enterprise Information Technology Service Mgmt.
- ISM 6508 Web-Based Business Development
- ISM 6509 Information Technology Sourcing Mgmt.

INFORMATION TECHNOLOGY MANAGEMENT TRACK

Students 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 6316 Information Technology Project and Change Management
- ISM 6328 Management of Information Assurance and Security
- ISM 6368 Enterprise Information Technology Service Management
- ISM 6405 Advanced Business Analytics
- ISM 6508 Electronic Commerce and Internet Business Applications
- ISM 6509 Information Technology Sourcing Management

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

- CAP 6673 Data Mining and Machine Learning
- CAP 6776 Information Retrieval
- CEN 5086 Cloud Computing
- CEN 6027 Software Maintenance and Evolution
- CEN 6076 Software Testing
- CIS 6370 Computer Data Security
- CNT 5715 Computer Network Programming
- CNT 6517 Mobile Computing
- COP 5339 Object-Oriented Software Design
- COP 6731 Theory and Implementation of Database Systems
- COT 5930 Topics in Computer Science
- CTS 6319 Cyber Security: Measurement and Data Analysis
- EEL 6591 Wireless Networks