

## **Master in Information Technology**

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The Master in Information Technology program combines knowledge in organizational systems, information security and management, and service management. Based on a multidisciplinary curriculum, the program shall equip professionals with the tools, knowledge, skills, and understanding of the latest technologies that are used in today's business-organizational environment. The program also addresses behavioral, managerial and technical aspects of ICT in organizational systems.

The MIT program responds to the demand for professionals versed in information technology and security, risk management, and service management by offering courses that allow candidates to make immediate contributions to the workplace.

### ***Admission Requirements***

The program accepts applicants who have a relevant Bachelor's degree (Computer Science or ITE allied fields) and one year of IT-related work experience or two years relevant work experience. Other Bachelor's degrees may be considered on a case-to-case basis.

Note:

- Applicants may be required to take remedial courses depending on their degree or courses they have taken up during their Bachelor's degree.
- Since the program will be administered in English, students will be expected to demonstrate a strong grasp of the language.

### ***Degree Requirements***

The Master in Information Technology is obtained primarily through supervised research. It is awarded upon fulfillment of the following requirements:

- completion of all academic courses
- submission of a capstone project
- successful defense of the capstone project
- fulfillment of residency and other University requirements

### ***Academic Program Components***

#### *Remedial Courses (18 units)*

- Project Management and IS Development
- IT Resource management
- Basics of Databases
- Basic Programming
- Advanced Programming
- Introduction to Software Engineering

#### *Foundation Courses (15 units)*

- Advanced OS and Networking
- Advanced Systems Design and Implementation
- Technology and Project Management
- IS Architecture
- IT Service management

#### *Specialization/Elective Courses (15 units)*

##### *Track 1: Enterprise Agility*

- Risk Management and Business Continuity Planning
- Information Security and Regulatory Compliance
- Business Intelligence Analytics

- Enterprise Architectures
- Emerging Trends in Computing

*Track 2: Security Engineering and Management*

- Fundamentals of Information Security
- Secure Programming
- Ethical Hacking and Forensics
- Information Security Forensics
- Information Security Enforcement and Compliance
- Emerging Trends in Computing

*Capstone Project (6 units)*

This requirement allows students to demonstrate mastery of a specific topic. This requirement serves as a summative expression of what the graduate student has learned in the program.