Degree Requirements
Master of Science in Information Technology

The MS in Information Technology requires a minimum of 30 credit hours. These credit hours must include the following:

- 15 credit hours of core courses
- 12 credit hours of focus area courses
- 3 credit hours of IFT 593 Applied Project

Coursework

Required Core Courses (15 credit hours)**
- IFT 510 Principles of Computer and Information Technology (3)
- IFT 520 Principles of Telecommunication Technology (3)
- IFT 530 Information Analysis, Modeling, Representation and Communication (3)
- IFT 540 Software Development for Information Technology (3)
- OMT 504 Ethical Issues in Technology (3)

Focus Area Courses (12 credit hours from one of the following focus areas)**

**Networking and Computer Systems Security**
- IFT 545 Advanced Security Analysis (3)
- IFT 598 Information Systems Security *IFT 481* (3)
- IFT 598 Network Forensics *IFT 482* (3)
- IFT 598 System Administration of Unix *IFT 488* (3)
- IFT 598 Network Administration with TCP/IP *IFT 489* (3)
- IFT 598 Security Analysis I *IFT 475* (3)
- IFT 598 Developing Security Policy *IFT 483* (3)
- IFT 598 Managing Intelligent Devices in an Enterprise Environment (3)

**Information Systems**
- SER 501 Advanced Data Structures and Algorithms (3)
  *Override request required, request not guaranteed* (CIDSE override request policy)
- IFT 598 Managing the Cloud *IFT 472* (3)
- IFT 598 Principles of Database Management *IFT 433* (3)
- IFT 598 Analyzing Big Data *IFT 443* (3)
- IFT 598 Middleware Programming and Database Security *IFT 458* (3)
- IFT 598 Advanced Data Analysis (3)
  *Must have first completed IFT 443/598 Analyzing Big Data*

**Enterprise Computing**
- OMT 520 Strategic Management of Technology (3)
- OMT 548 Statistical Methods for Research (3)
- TEM 531 Disruptive Innovation and Technological Evolution (3)
- TEM 532 Advanced Analysis of Systems (3)
- TEM 598 Global Impact Entrepreneurship *TEM 455* (3)

Culminating Experience (3 credits)
- IFT 593 Applied Project

**Courses are subject to change and are not typically offered every semester. See program website, graduate advising, or department with questions.**

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