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)

Database Systems
- SER 533 Database-Centric Enterprise Applications Development (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)

Enterprise Computing
- OMT 520 Strategic Management of Technology (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.