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:
- 30 credit hours and a portfolio, or
- 30 credit hours including the required applied project course (IFT 593)

Coursework

Core Courses (12 credit hours)**
- IFT 510 Principles of Computer and Information Technology Architecture (3)
- IFT 520 Advanced Information Systems Security (3)
- IFT 530 Advanced Database Management Systems (3)
- IFT 540 Information Systems Development (3)

Focus Area Courses (12-15 credit hours from one of the following focus areas)**

Computer Architecture and Information Security
- IFT 598 System Administration of UNIX IFT 488 (3)
- IFT 598 Security Analysis I IFT 475 (3)
- IFT 598 Developing Security Policy IFT 483 (3)
- IFT 598 Managing Intelligent Devices (IoT) in an Enterprise Environment (3)

Information Systems Management and Systems Development
- IFT 598 Managing the Cloud IFT 472 (3)
- IFT 598 Analyzing Big Data IFT 443 (3)
- IFT 598 Middleware Programming and Database Security IFT 458 (3)
- IFT 598 Advanced Analytics for Big Data/AI (3)
  *Must have first completed IFT 443/598 Analyzing Big Data

- IFT 598 - Natural Language Processing
- IFT 598 - Data Visualization & Reporting for IT
- SER 501 Advanced Data Structures and Algorithms (3)
  *Override request required, request not guaranteed (CIDSE override request policy)

A maximum of 6 credits from CSE or SER can apply towards the MS IT program as a focus area and/or elective course.

Elective (3 credit hours)
- IFT, CSE, or SER 500 level course. The course must be on an approved plan of study for it to apply to the MS IT program.

Culminating Experience (0-3 credits)
- Portfolio (0 credits)
- IFT 593 Applied Project (3 credits)

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