# Degree Requirements
## Master of Science in Information Technology

**Ira A. Fulton Schools of Engineering**
**Arizona State University**

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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](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.*

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