Degree Requirements

Master of Science in
Information Technology

Ira A. Fulton Schools of Engineering
ASU
Arizona State University

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)

Required Courses (12 credit hours)

IFT 510 Principles of Computer and Information Technology Architecture

IFT 520 Advanced Information Systems Security

IFT 530 Advanced Database Management Systems

IFT 540 Information Systems Development

Focus Area Core (12 credit hours)

Information Technology Security	*Information Systems Management*
IFT 598 Cloud Architecture	IFT 511 Analyzing Big Data
IFT 598 Cloud Security and Operation	IFT 512 Advanced Analytics for Big Data/AI
Must have first completed 598 Cloud Architecture	*Must have first completed 511*
IFT 598 Developing Security Policy	IFT 598 Data Visualization & Reporting
IFT 598 Network Forensics	IFT 598 Natural Language Processing
IFT 598 Advanced Computer Networks Shared	

Focus Area Elective (3 credit hours from one of the following focus areas)

Information Technology Security	*Information Systems Management*
IFT 598 Introducing AI into CyberSecurity	IFT 598 Middleware Programming & Database Security
IFT 598 Security Analysis	IFT 598 Data in the Cloud
IFT 598 Managing Intelligent Devices (IoT) in an Enterprise Environment	IFT 598 Statistics Foundation
IFT 584 Internship *(approval required)*	IFT 584 Internship *(approval required)*

IFT Human factors in cyber security

Electives (0-3 credits)

IFT 500-level course or approved CSE, GIT, OMT, SER, STP, or TEM 500 level course.**

    <u>Approved non-IFT Electives</u>

All courses must be on an approved plan of study for them to apply to the MS IT program.

***A maximum of **3** credits outside of the IFT prefix can apply towards the MS IT program as elective course.*

**Some elective course options may not be available to ASU Online students.

Culminating Experience (0-3 credits)

    Portfolio (0 credits)

    IFT 593 Applied Project (3 credits)