

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)

Required Courses (6 credit hours)	
IFT 510 Principles of Computer and Information Technology Architecture	
IFT 540 Information Systems Development	
Focus Area Core (3 credit hours)	
Information Technology Security	Information Systems Management
IFT 520 Advanced Information Systems Security	IFT 530 Advanced Database Management Systems
<i>Core courses are recommended to be taken as pre-req/co-req with focus area courses. Courses with specific pre-requisite are indicated.</i>	
Focus Area Courses (12 credit hours from one of the following focus areas)	
Information Technology Security IFT 598 Advanced Computer Networks <i>IFT 466</i> IFT 598 Advanced Security Policy <i>*Must have first completed 598 Developing Sec. Policy</i> IFT 598 Cloud Architecture <i>IFT 420</i> IFT 598 Cloud Security and Operation <i>IFT 422</i> <i>*Must have first completed 598 Cloud Architecture</i> IFT 598 Deep & Dark Side of Cyber Security IFT 598 Developing Security Policy <i>IFT 483</i> IFT 598 Human Factors in Cyber Security IFT 598 Introducing AI into Cyber Security IFT 598 Managing Intelligent Devices (IoT) in an Enterprise Environment <i>IFT 494/460</i> IFT 598 Network Forensics <i>IFT 482</i> IFT 598 Security Analysis I <i>IFT 475</i> IFT 598 System Administration of UNIX <i>IFT 488</i>	Information Systems Management IFT 511 Analyzing Big Data <i>IFT 443 (previously 598)</i> IFT 512 Advanced Analytics for Big Data/AI <i>(previously 598)</i> <i>*Must have first completed 511/598 Analyzing Big Data</i> IFT 598 Cloud Architecture <i>IFT 420</i> IFT 598 Data in the Cloud <i>IFT 421</i> IFT 598 Data Visualization & Reporting for IT IFT 598 Developing Security Policy <i>IFT 483</i> IFT 598 Managing Intelligent Devices (IoT) in an Enterprise Environment <i>IFT 494/460</i> IFT 598 Middleware Programming & Database Security <i>IFT 458</i> IFT 598 Natural Language Processing
Electives (6-9 credits)	
IFT, CSE, or SER 500 level course.**	
Students may select from the above two focus areas to serve as elective options.	
All courses must be on an approved plan of study for them to apply to the MS IT program.	
<i>**A maximum of 6 credits from CSE or SER can apply towards the MS IT program as elective course.</i>	
<i>**CSE and SER elective course options may not be available to ASU Online students.</i>	
Culminating Experience (0-3 credits)	
Portfolio (0 credits)	
IFT 593 Applied Project (3 credits)	