

COMPUTER INFORMATION TECHNOLOGY - INFRASTRUCTURE AND SECURITY, ASSOCIATE IN APPLIED SCIENCE DEGREE

Course Sequence Guide

Course	Title	Credits
Year 1		
Fall		
CIT 135	Introduction to Programming Using Python ¹	3
CIT 112	Scripting and Automation	3
CIT 160	Cisco Internetworking I	3
CIT 161	Cisco Internetworking II	3
CIT 213	Networking Technologies ¹	4
Math Competency ²		
Credits		16
Spring		
CIT 215	Server Technologies	3
CIT 240	Network Security Management ¹	3
CIT 256	Linux Administration	3
CIT 260	Cisco Internetworking III	3
ENG 111	English Composition	4
Credits		16
Summer		
PHL 105 or PHL 202	Critical Thinking ³ or Contemporary Ethical Dilemmas	3
Credits		3
Year 2		
Fall		
CIT 243	Cloud Technologies ¹	3
CIT 247	Windows Identity & Policy	3
CIT 263	Cybersecurity Penetration Testing	3
CIT 264	Cybersecurity Analytics and Threat Analysis	3
ENG 112 or ENG 220	English Composition ³ or Technical Writing	4
Credits		16
Spring		
CIT 249	Hybrid Cloud Technologies	3
CIT 266	Advanced Enterprise Security ¹	3
Any Group 1 Science course with lab		4
Any Group 1 Social Science ⁵		3
Credits		13

Summer		
CIT 290	CIT Internship ⁴	3
Credits		3
Total Credits		67

¹ Certiport Information Technology Specialist certification exam included.

² Placement into MTH 121 College Algebra or higher or completion of MTH 111 Intermediate Algebra – the four credits of MTH 111 Intermediate Algebra do not count toward total CIT program credits.

³ Students should take ENG 112 and PHL 202 if they plan to pursue the Ferris State University (FSU) CIT degree.

⁴ Students planning to take the internship class require department approval and are required to have a GPA of 3.0 in their CIT classes. It is also recommended that students have 20 credits in CIT classes and an overall GPA of 2.0. *While a 3.0 GPA in CIT classes is required for this internship, an alternative, campus-based internship opportunity is available for students who do not meet this requirement.*

⁵ ECO 201 Principles of Macroeconomics recommended.