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

Course Sequence Guide

Course	Title	Credits
Year 1		
Fall		
CIT 110	Programming Logic and Design	3
CIT 112	Scripting and Automation [1]	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	Windows Server Environment	3
CIT 256	Linux Administration	3
CIT 240	Network Security Management [1]	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 246	Windows Server Infrastructure	3
CIT 263	Security ASMT. and Compliance	3
CIT 264	Security Analytics & Assurance	3
ENG 112 or ENG 220	English Composition [3] or Technical Writing	4
Any Group 1 Social Sciences course [5]		3
	Credits	**16**
Spring		
CIT 243	Cloud Technologies	3
CIT 247	Enterprise Solutions	3
CIT 266	Advanced Enterprise Security	3
Any Group 1 Science course with lab		4
	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 (https://catalog.nmc.edu/archives/2021-2022/search/?P=MTH%20121) College Algebra or higher or completion of MTH 111 (https://catalog.nmc.edu/archives/2021-2022/search/?P=MTH%20111) Intermediate Algebra – the four credits of MTH 111 (https://catalog.nmc.edu/archives/2021-2022/search/?P=MTH%20111) 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 (https://catalog.nmc.edu/archives/2021-2022/search/?P=ECO%20201) Principles of Macroeconomics recommended.