

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

## Course Sequence Guide

Course	Title	Credits
<b>Year 1</b>		
<b>Fall</b>		
CIT 135	Introduction to Programming Using Python <sup>1</sup>	3
CIT 112	Scripting and Automation	3
CIT 160	Cisco Internetworking I	3
CIT 161	Cisco Internetworking II	3
CIT 213	Networking Technologies <sup>1</sup>	4
Math Competency <sup>2</sup>		
	<b>Credits</b>	<b>16</b>
<b>Spring</b>		
BUS 155	Interpersonal Communications	3
CIT 215	Server Technologies	3
CIT 240	Network Security Management <sup>1</sup>	3
CIT 256	Linux Administration	3
CIT 260	Cisco Internetworking III	3
	<b>Credits</b>	<b>15</b>
<b>Summer</b>		
ENG 111	English Composition	4
	<b>Credits</b>	<b>4</b>
<b>Year 2</b>		
<b>Fall</b>		
CIT 243	Cloud Technologies <sup>1</sup>	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 <sup>3</sup> or Technical Writing	3-4
	<b>Credits</b>	<b>15-16</b>
<b>Spring</b>		
CIT 266	Advanced Enterprise Security <sup>1</sup>	3
PHL 105 or PHL 202	Critical Thinking <sup>3</sup> or Contemporary Ethical Dilemmas	3
Any Group 1 Science course with lab		4
Any Group 1 Social Science <sup>5</sup>		3
	<b>Credits</b>	<b>13</b>

<b>Summer</b>		
CIT 290	CIT Internship <sup>4</sup>	3
	<b>Credits</b>	<b>3</b>
	<b>Total Credits</b>	<b>66-67</b>

<sup>1</sup> Certiport Information Technology Specialist certification exam included.

<sup>2</sup> 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.

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

<sup>4</sup> 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.*

<sup>5</sup> ECO 201 Principles of Macroeconomics recommended.