

## Guided Pathway

### Computer & Information Technologies – AAS Information Security Track

Availability: Online

Program Coordinator: Pam Bridgman

Grade of C or Better Required in All CIT Courses

Student: \_\_\_\_\_

Student ID: \_\_\_\_\_

First Semester				Credit Hours
	CIT	105	Introduction to Computers (1 <sup>st</sup> bi-term)	3
	CIT	111	Computer Hardware & Software (2 <sup>nd</sup> bi-term)	4
	CIT	120	Computational Thinking	3
	CIT	160	Intro to Networking Concepts (2 <sup>nd</sup> bi-term)	4
	MAT	126 or higher	Technical Algebra & Trigonometry (recommend transfer students take MAT 150)	3
			<b>Total Semester Credit Hours</b>	<b>17</b>

Second Semester				Credit Hours
	CIT	170	Database Design Fundamentals	3
	CIT	180	Security Fundamentals	3
	CIT	217	Unix/Linux Administration	3
			Approved CIT Technical Course (Suggested: CIT 130, 140, 143, 149, 150, 155, 157, 171, 261, 262 or 264)	3
			Approved Level I Programming Language Course (Suggested: CIT 140, 143, 145 or 149)	3
			<b>Total Semester Credit Hours</b>	<b>15</b>

<b>Third Semester</b>				<b>Credit Hours</b>
	CIT	182	Perimeter Defense	3
	CIT	184	Attacks and Exploits	3
			Approved Network Elective Course (Suggested: CIT 261, 262 or 264)	3
			Approved Security Elective Course (CIT 284, 285, 286, 287 or 288)	3
	ENG	101	Writing I	3
			<b>Total Semester Credit Hours</b>	<b>15</b>

<b>Fourth Semester</b>				<b>Credit Hours</b>
	CIT	293	CIT Employability Studies	1
			Approved Network Elective Course (Suggested: CIT 261, 262 or 264)	3
			Heritage or Humanities Course (Suggested: HIS 105, HIS 108, HIS 109, HIS 240, ART 100, ENG 135, ENG 161, ENG 221, ENG 251, HUM 202, HUM 281, MUS 100, MUS 104, REL 130 or THA 101)	3
			Natural Sciences Course (Suggested: AST 101, BIO 112, BIO 120, BIO 135, BIO 137, GEO 130, GLY 110, GLY 125 or GLY 130)	3
			Social and Behavioral Sciences Course (Suggested: ECO 201, ECO 202, GEO 152, POL 101, PSY 110, REL 130, SOC 101 or SWK 275)	3
			<b>Total Semester Credit Hours</b>	<b>13</b>
			<b>Total Program Credit Hours</b>	<b>60</b>

\_\_\_\_\_  
**Student Signature**

\_\_\_\_\_  
**Date**

\_\_\_\_\_  
**Advisor Signature**

\_\_\_\_\_  
**Date**

<b>Approved Level I Programming Language Courses</b>				<b>Credit Hours</b>
	CIT	140	JavaScript I	3
	CIT	141	PHP I	3
	CIT	142	C++ I	3
	CIT	143	C# I	3
	CIT	144	Python I	3
	CIT	145	Perl I	3
	CIT	147	Programming I: Language	3
	CIT	148	Visual Basic I	3
	CIT	149	Java I	3
	CIT	171	SQL I	3
			University Level I Programming Languages as approved by program coordinator	3-4
<b>Approved Network Elective Courses</b>				
	CIT	167	Routing & Switching Essentials	4
	CIT	209	Scaling Networks	4
	CIT	212	Connecting Networks	4
	CIT	218	UNIX/Linux Net Infrastructure	3
	CIT	219	Internet Protocols	3
	CIT	260	Network Hardware Installation & Troubleshooting	3
	CIT	261	Microsoft Active Directory Services	3
	CIT	262	Microsoft Network Infrastructure	3
	CIT	263	Advanced Topics in Microsoft Windows: (Topic)	1-6
	CIT	264	Microsoft Server Management	3
			Other Microsoft networking courses approved by program coordinator	3
<b>Approved Security Elective Courses</b>				
	CIT	284	Computer Forensics	3
	CIT	285	Windows OS Security	3
	CIT	286	Unix/Linux OS Security	3
	CIT	287	Cisco OS Security	3
	CIT	288	Network Security	3
<b>Approved CIT Technical Courses</b>				
			Additional CIT Courses	3