

## Guided Pathway

### Computer & Information Technologies - AAS Programming Track Software Development

**Availability: Online**  
**Program Coordinator: Pam Bridgman**

**Grade of C or Better Required in All CIT Courses**

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

<b>First Semester</b>				<b>Credit Hours</b>
	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>

<b>Second Semester</b>				<b>Credit Hours</b>
	CIT	150	Internet Technologies OR	3
	CIT	155	Web Page Development OR	(3)
	CIT	157	Web Site Design & Production	(3)
	CIT	170	Database Design Fundamentals	3
	CIT	180	Security Fundamentals	3
			Approved Level I Programming Language Course (Suggested: CIT 142, 143, 144 or 149)	3
			Approved Level I Programming Language Course (Suggested: CIT 142, 143, 144 or 149)	3
			<b>Total Semester Credit Hours</b>	<b>15</b>

<b>Third Semester</b>				<b>Credit Hours</b>
	CIT	253	Data-Driven Web Pages: Topic	3
			Approved CIT Technical Courses (Suggested: CIT 130, 140, 143, 149, 150, 155, 157, 171, 213, 261, 262, 264, 255 or 258)	3
			Approved Level II Programming Language Course (Suggested: CIT 242, 243, 244 or 249)	3
			Approved Level II Programming Language Course (Suggested: CIT 242, 243, 244 or 249)	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
			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
			Approved Level I, II, or III Programming Language Course (Suggested: CIT 140, 142, 143, 144, 149, 171, 242, 243, 244, 249 or 271)	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#	3
	CIT	144	Python I	3
	CIT	145	Perl I	3
	CIT	146	Swift 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 local program coordinator	3-4
<b>Approved Level II Programming Language Courses</b>				
	CIT	237	iOS Programming	3
	CIT	238	Android Programming	3
	CIT	241	PHP II	3
	CIT	242	C++ II	3
	CIT	243	C# II	3
	CIT	244	Python II	3
	CIT	246	2D Game Development: Language	3
	CIT	247	Programming II: Language	3
	CIT	248	Visual Basic II	3
	CIT	249	Java II	3
	CIT	271	SQL II	3
			University Level II Programming Languages as approved by local program coordinator	3-4
<b>Approved Level III Programming Language Courses</b>				
	CIT	277	Programming III: Language	3
	CIT	278	Visual Basic III	3
			University Level III Programming Languages as approved by local program coordinator	3-4
<b>Approved CIT Technical Courses</b>				
			Additional CIT Course(s)	3