

## Guided Pathway

### Computer & Information Technologies – AAS Programming Track Information Systems

Availability: Online  
Program Coordinator: Pam Bridgman

Grade of C or Better Required in All Technical 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
			Approved Level I Programming Language Course (Suggested: CIT 141, 143, 144 or 149)	3
			Approved CIT Technical Course (Suggested: CIT 130, 140, 143, 149, 150, 155, 157, 213, 261, 262 or 264)	3
	ENG	101	Writing I	3
			<b>Total Semester Credit Hours</b>	<b>15</b>

<b>Third Semester</b>				<b>Credit Hours</b>
	CIT	171	SQL I	3
			Approved CIT Technical Course (Suggested: CIT 130, 140, 143, 149, 150, 155, 157, 213, 261, 262 or 264)	3
			Approved Level II Programming Language Course (Suggested: CIT 241, 243, 244 or 249)	3
			Approved Business Course (Suggested: ACT 101, ACC 201, BAS 160, IFM 128 or IFM 215)	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>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 141, 143, 144, 149, 241, 243, 244 or 249)	3
			Approved Management or Business Course (Suggested: ACT 101, ACC 201, BAS 160, BAS 200, BAS 283, BAS 287, BAS 288, IFM 128 or IFM 215)	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
			<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	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

<b>Approved Business Courses</b>				
	ACT	101	Fundamentals of Accounting	3
	ACC	201	Financial Accounting I	3
	BAS	160	Introduction to Business	3
	IFM	111	Client-side Informatics Software	3
	IFM	128	Principles of Informatics	3
	IFM	211	Collaboration Software	3
	IFM	215	Information Systems Analysis	3
	IFM	225	Advanced Informatics	3
			Any business or informatics course approved by program coordinator	3
<b>Approved Management Courses</b>				
	BAS	200	Small Business Management	3
	BAS	274	Human Resource Management	3
	BAS	283	Principles of Management	3
	BAS	287	Supervisory Management	3
	BAS	288	Personal and Organizational Leadership	3
	MGF	256	Production Management	3
	OST	275	Office Management	3
	QMS	101	Introduction to Quality Systems	3
	QMS	201	Customer Service Improvement Skills	3
			Any management course approved by program coordinator	3