

Guided Pathway

**Computer & Information Technologies – AAS
Network Administration Track
Cisco Network Associate**

**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 st bi-term)	3
	CIT	111	Computer Hardware & Software (2 nd bi-term)	4
	CIT	120	Computational Thinking	3
	CIT	161	Introduction to Networks (2 nd bi-term)	4
	MAT	126 or higher	Technical Algebra & Trigonometry (recommend transfer students take MAT 150)	3
			Total Semester Credit Hours	17

Second Semester				Credit Hours
	CIT	167	Routing & Switching Essentials	4
	CIT	170	Database Design Fundamentals	3
	CIT	180	Security Fundamentals	3
			Approved Level I Programming Language Course (Suggested: CIT 140, 143, 144, 145 or 149)	3
			Total Semester Credit Hours	13

Third Semester				Credit Hours
	CIT	209	Scaling Networks	4
			Approved CIT Technical Course (Suggested: CIT 130, 140, 143, 149, 150, 155, 157, 171, 213, 261, 262 or 264)	3
			Approved CIT Technical Course (Suggested: CIT 130, 140, 143, 149, 150, 155, 157, 171, 213, 261, 262 or 264)	3
	ENG	101	Writing I	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
			Total Semester Credit Hours	16

Fourth Semester				Credit Hours
	CIT	212	Connecting Networks	4
	CIT	293	CIT Employability Studies	1
			Approved CIT Technical Course (Suggested: CIT 130, 140, 143, 149, 150, 155, 157, 171, 213, 261, 262 or 264)	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
			Total Semester Credit Hours	14
			Total Program Credit Hours	60

Student Signature

Date

Advisor Signature

Date

Approved Level I Programming Language Courses				Credit Hours
	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	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
Approved CIT Technical Courses				
			Additional CIT Course(s)	3