

# CIS – SOFTWARE DEVELOPMENT CONCENTRATION

## AAS

### Guided Pathway/Map

**NOTE:** The Guided Pathway below contain all the coursework required for degree/certificate completion. However, courses may be offered or taken in other semesters as long as prerequisites are met. Courses may be available days, nights, hybrid, and online.

ENG101	English Composition I	3
MTH100	Intermediate College Algebra	3
CIS146	Microcomputer Applications	3
CIS150	Introduction To Computer Logic	3
ORI 101/OR105	College Orientation	1-3
		Semester 1 Total: 13-15
CIS134	IT Fundamentals	3
CIS171	Linux I	3
AREA III	Science/Math Elective	3-4
CIS212	Visual Basic Programming	3
CIS268	Software Support	3
		Semester 2 Total: 15-16
SPH106/107	Fundamentals of Oral Communication OR Fundamentals of Public Speaking	3
Area IV Elective	History/Social/Behavioral Science Elective	3
BUS241	Principles of Accounting I	3
CIS161	Introduction to Networking Communications	3
CIS245	Cyber Defense	3
		Semester 3 Total: 15
CIS113	Spreadsheet Software Applications	3
CIS207	Web Development	3
CIS251	C++ Programming	3
CIS Elective	Computer Science Elective	3
		Semester 4 Total: 12

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CIS117	Database Management Software Applications	3
CIS209	Advanced Web Development	3
CIS269	Hardware Support	3
CIS285	Object-Oriented Programming	3
		Semester 5 Total: 12
		Program Total: 67-70