

# CIS – APP DEVELOPMENT BY SWIFT 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.

Semester 1	ENG101	English Composition I	3
	MTH100	Intermediate College Algebra	3
	CIS146	Microcomputer Applications	3
	CIS150	Introduction to Computer Logic	3
	ORI 101 OR OR105	College Orientation	1-3
			Semester Total: 13-15
Semester 2	CIS157	Introduction to App Development with Swift	3
	CIS171	Linux I	3
	CIS212	Visual Basic Programming	3
	CIS268	Software Support	3
	Area III	Science/Math Elective	3-4
			Semester Total: 15-16
Semester 3	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
	CIS211	Principles of Information Assurance	3
			Semester Total: 15
Semester 4	CIS113	Spreadsheet Software Applications	3
	CIS157	Introduction to App Development with Swift	3
	CIS207	Web Development	3
	CIS 134	IT Fundamentals	3
			Semester Total: 12

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Semester 5	CIS117	Database Management Software Applications	3
	CIS209	Advanced Web Development	3
	CIS227	App Development with Swift II	3
	CIS269	Hardware Support	3
			Semester Total: 12
			Program Total: 67-70