

PROGRAMMING ESSENTIALS Short Certificate			
	Course #	Course Name	Credit Hours
Semester 1	CIS150	Introduction to Computer Logic and Programming	3
	CIS212	Visual Basic Programming	3
	CIS285	Object-Oriented Programming	3
			Semester Total: 9

**NOTE:** This Guided Pathway contains 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.