

# Computer Information Systems Computer Science Essentials Short-Term Certificate

**Program Code**

STC-CISX-CSES

**CIP**

11.0101

**Type**

Short-Term Certificate

The CIS department offers concentrations in Cybersecurity/IT and Programming, and these short term certificates: Computer Technician, Server Administration, Cisco CCNA Preparation, Cybersecurity Essentials, Computer Science Essentials, Programming Essentials, Software Applications, and Swift App Development.

This program is designed for students seeking employment in the field of Computer Information Systems with a technical concentration. The program is not designed for transfer, although many of the courses are transferable to some senior institutions. Please note that some required courses may not be offered every semester. Due to limited course offerings, degree-seeking students may find it necessary to extend completion timelines, and attend both day and evening classes and attend classes on both campuses or online.

This program is not eligible for Title IV funding (Pell Grant, SEOG, and Direct Student Loans).

This certificate is designed to give students essential skills to analyze and resolve many of the day-to-day challenges commonly encountered in the computing field.

## Required Courses

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
CIS 202	Python Programming	3
CIS 251	C++ Programming	3
	MTH 125 Calculus I or higher	3-4
	Total Credits	9-10