



Computer Programmer/Analyst C.C.

Curriculum Code: 0969

Effective: Fall 2021 – Summer 2026

Description

This certificate provides a starting point for students interested in pursuing the Computer Programmer/Analyst Associate degree, (0113). It is designed for students who already have basic computer skills.

Contact Information

Contact the Computer Information Technologies Program in the West Campus Building, Room M103, telephone number 517-267-6406 or Student Services West Campus, West Campus Building, Room M016, telephone number 517-267-5452.

Program of Study Required Courses

Course Code	Course Title	Credit / Billing Hours
BUSN 118	Introduction to Business	3 / 3
CITD 120	SQL Concepts	2 / 2
CITF 110	Intro Computer Info Systems	3 / 3
CITP 110	Intro to Programming-Python	4 / 4
CITW 150	Internet Literacy	3 / 3

Program of Study Required Courses, Limited Choice – *Select one*

Course Code	Course Title	Credit / Billing Hours
CITP 150	Intro to VB.NET Programming	4 / 4
CITP 180	Intro to C#.NET Programming	4 / 4
CITP 190	Intro to Programming in JAVA	4 / 4

Total Credit Hours

19 credits / 19 billing hours

Recommended Course Sequence

Semester I	Semester II
BUSN 118	CITD 120
CITF 110	CITW 150
CITP 110	Elective