



## Computer Programmer/Analyst C.C.

Career Community: Computer Technology and Networking

Curriculum Code: 0969

Effective: Fall 2023 – Summer 2028

### Description

The Computer Programmer/Analyst certificate is a start for students new to the Information Technology field. The classes offered in this certificate represent the building blocks for other degrees and certificate programs. Students will learn computer skills and concepts that will help them decide their future path based on their interests. This is a stackable certificate with Computer Programmer Analyst AB (0113).

### Milestone

Completion of CITP 110 with a 2.0 or higher is a key component for success in completing this program. Knowledge obtained in these courses is the foundation for learning in other required courses. Students are encouraged to contact their faculty if they need additional assistance with learning the concepts presented in these courses.

### Contact Information

For further information, including career options, course substitutions and waivers, etc., 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	3 / 3
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

### Minimum Total Credit Hours

20 credits / 20 billing hours

## Recommended Course Sequence

Semester I
BUSN 118
CITF 110
CITP 110 – Milestone course

  

Semester II
CITD 120
CITW 150
Limited Choice

*LCC makes every effort to limit revisions to the pathways during their effective timeframe. However, the College reserves the right to update certificate and degree title changes, and make course changes as needed, without prior notice.*