



Computer Programming Foundations Certificate

20 credits

This short certificate provides students with the solid foundation that's necessary to succeed in computer programming, either on the job or after they've transferred to a four-year college/university. Students master fundamental computer programming topics, such as control structures, functions and procedural programming, object-oriented programming, sorting and searching algorithms, recursion, abstract data types (e.g., stacks and queues), linked lists, and binary trees.

CERTIFICATE REQUIREMENTS

20 CREDITS

Course ID	Course Name	Lec	Lab	Other	Credits
IT-CS 115	Intro To Programming	55			5.0
IT-CS 116	Scripting	55			5.0
IT-CS 142	Intermediate Programming	55			5.0
IT-CS 143	Programming – Data Structures	55			5.0