Computer Science Certificate

Degree Type
Certificate
Environment
campus
Program Length
28 weeks
Overview
The Computer Science undergraduate certificate curriculum equips students with a fundamental understanding of computer science through problem-solving in programming languages. Through the study and application of industry-standard practices and object-oriented programming, students will explore the pillars of computer science, including logic, algorithms, functions, and control flow. Students will expand their critical-thinking skills and demonstrate their working knowledge of computer science by participating in an immersive team project in building targeted software solutions.
Objective
Certificate's Objective sThe goal of the Computer Science undergraduate certificate program is to provide students with a foundational understanding of computer science. Students will obtain basic skills and practice with concepts that will be translatable to entry-level positions as quality assurance testers, scripters, and tool developers. In addition to building introductory programming experience, students in this program will broaden their technical proficiency as well as creativity in development. The Computer Science undergraduate certificate program will help students foster the critical-thinking, problem-solving, and analytical skills required to enter the computer science and software development industries.

Month 1

Code	Title	Credit Hours
TEM1001	Technology in the Entertainment and Media Industries	4.0

Month 2

Code	Title	Credit Hours
MAD1100	Discrete Mathematics	4.0

Month 3

Code	Title	Credit Hours
COP1334	Programming I	4.0

Month 4

Code	Title	Credit Hours
COP2334	Programming II	4.0

Month 5

Code	Title	Credit Hours
SDV3111	Systems Programming	4.0

Month 6

Code	Title	Credit Hours
COS155	Project I: Computer Science	2.0

Month 7

Code	Title	Credit Hours
COS156	Portfolio I: Computer Science	1.0
	Total Credit Hours	**23**

Please Note

- Some specific courses may be offered online. Please see course descriptions for details.