



Community: Information Technology Certificate: Computer Science

2019-2020 Certificate Requirements

Required Courses	Title	Credits
CSC 119	Introduction to Programming: Python	3
CSC 160	Computer Science I: C++	4
CSC 161	Computer Science II: C++	4
CSC 225	Computer Architecture/Assembly Language	4
Choose 1 from the following		3
CSC 129	Introduction to Secure Code	
CIS 220	Fundamentals of UNIX	
CIS 268	Systems Analysis and Design	
CNG 101	Fundamentals of Networking	
Total:		18

Certificate Map 1 (Start in Fall, Spring, Summer)

Full-Time College Ready

First Semester:

Complete	Course Number	Title	Credits	Prerequisite
	CSC 119	Introduction to Programming: Python	3	Basic Computer Skills
	CNG 101	Fundamentals of Networking	3	Basic Computer Skills

Second Semester:

Complete	Course Number	Title	Credits	Prerequisite
	CSC 160	Computer Science I: C++	4	CSC 119

Third Semester:

Complete	Course Number	Title	Credits	Prerequisite
	CSC 161	Computer Science II: C++ (Fall only)	4	CSC 160
	CSC 225	Computer Architecture/Assembly Language Programming (Spring only)		CSC 160

Fourth Semester:

Complete	Course Number	Title	Credits	Prerequisite
	CSC 161	Computer Science II: C++ (Fall only)	4	CSC 160
	CSC 225	Computer Architecture/Assembly Language Programming (Spring only)		CSC 160



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Certificate Map 2 (Start in Fall or Spring)

Full-Time College Ready

First Semester:

Complete	Course Number	Title	Credits	Prerequisite
	CSC 119-040 (7.5 accelerated)	Introduction to Programming	3	Basic Computer Skills
	CSC 160-040 (7.5 accelerated)	Computer Science I: C++	4	CSC 119

Second Semester:

Complete	Course Number	Title	Credits	Prerequisite
	CIS 220 CSC 129 CSC 268 CNG 101	Fundamentals of Unix Introduction to Secure Code Systems Analysis and Design Fundamentals of Networking	3	CSC 119 CSC 160 Last Semester Basic Computer Skills
	CSC 161 CSC 225	Computer Science II: C++ (Fall only) Computer Architecture/Assembly Language Programming (Spring only)	4	CSC 160 CSC 160

Third Semester:

Complete	Course Number	Title	Credits	Prerequisite
	CIS 220 CSC 129 CSC 268 CNG 101	Fundamentals of Unix Introduction to Secure Code Systems Analysis and Design Fundamentals of Networking	3	CSC 119 CSC 160 Last Semester Basic Computer Skills
	CSC 161 CSC 225	Computer Science II: C++ (Fall only) Computer Architecture/Assembly Language Programming (Spring only)	4	CSC 160 CSC 160

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