



2019-2020 Certificate Requirements

Required Courses	Title	Credits
CSC 119	Introduction to Programming: Python	3
CSC 160	Computer Science I: C++	4
EGT 140	Introduction to Design and Engineering Applications	3
Choose 1 from the following	CSC 161 Computer Science II: C++ CSC 225 Computer Architecture/Assembly Language	4
Choose 1 from the following	CSC 280 Internhsip EGT 280 Internship	3
Total:		17

Certificate Map 1 (Start Fall or Spring)

Full-Time College Ready

First Semester:

Complete	Course Number	Title	Credits	Prerequisite
	CSC 119-040	Introduction to Programming (7.5 week session I)	3	Basic Computer Skills
	CSC 160-040	Computer Science I: C++ (7.5 week session II)	4	CSC 119
	EGT 140	Introduction to Design and Engineering Applications	3	

Second Semester:

Complete	Course Number	Title	Credits	Prerequisite
	CSC 161 CSC 225	Computer Science II: C++ (Fall only) Computer Architecture/Assembly Language Programming (Spring only)	4	CSC 160 CSC 160
	CSC or EGT 280	Internship	3	Permission

Certificate Map #2 (Start Fall, Spring, Summer)

Full-Time College Ready

First Semester:

Complete	Course Number	Title	Credits	Prerequisite
	CSC 119	Introduction to Programming	3	Basic Computer Skills

Second Semester:

Complete	Course Number	Title	Credits	Prerequisite
	CSC 160	Computer Science I: C++	4	CSC 119
	EGT 140	Introduction to Design and Engineering Applications	3	

Third Semester:

Complete	Course Number	Title	Credits	Prerequisite
	CSC 161 CSC 225	Computer Science II: C++ (Fall only) Computer Architecture/Assembly Language Programming (Spring only)	4	CSC 160 CSC 160
	CSC or EGT 280	Internship	3	Permission

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