



Community: Information Technology

Certificate: Engineering and Compute Science

Required Courses	Title	Credits
CSC 119	Introduction to Programming	3
CSC 160	Computer Science I: C++	4
Choose 1 from the following		4
CSC 161	Computer Science II: C++	
CSC 225	Computer Architecture/Assembly Lang. Programming	
Faculty Advisor Approved Elective		
Choose 1 from the following:		3
EGT 140	Introduction to Design and Engineering Applications	
EPICS 151	Design I (3 - Transfer from Mines)	
Faculty Advisor Approved Elective		
Choose 1 from the following		3
CSC 280	Internship	
EGT 280	Internship	
Faculty Advisor Approved GT Elective		
TOTAL:		17

2018-2019 Certificate Map (Version 1: Fall or Spring Start)
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
	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 280 EGT 280 MAT 121 or higher	Internship Internship College Algebra (Approved GT Elective)	3	

2018-2019 Certificate Map (Version 2: Fall or Spring Start)
Full-Time College Ready

First Semester:

Complete	Course Number	Title	Credits	Prerequisite
	CSC 119	Introduction to Programming	3	Basic Computer Skills
	EGT 140	IDEA: Introduction to Design and Engineering Applications	3	

Second Semester:

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

Third Semester:

Compete	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 280 EGT 280 MAT 121 or higher	Internship Internship College Algebra (Approved GT Elective)	3	

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Disclaimer: The contents of this sample represent the most current information available at the time of publication. However, during the period of time covered by this sample it is reasonable to expect changes to be made with respect to this information without prior notice. Students should regularly meet with the faculty advisor listed for the program.