



# Certificate: Computer Science

Required Courses	Title	Credits
CSC 119	Introduction to Programming	3
CSC 160	Computer Science I: C++	4
CIS 220	Fundamentals of UNIX	3
CNG 101 or Faculty Approved Elective	Fundamentals of Networking	3
<b>Choose 1 from the following</b>		4
CSC 161	Computer Science II: C++ (4)	
CSC 225	Computer Architecture/Assembly Language (4)	
<b>Total:</b>		<b>16</b>

## 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 week)	Introduction to Programming	3	Basic Computer Skills
	CSC 160-040 (7.5 week)	Computer Science I: C++	4	CSC 119
	CNG 101	Fundamentals of Networking	3	Basic Computer Skills

### Second Semester:

Complete	Course Number	Title	Credits	Prerequisite
	CIS 220	Fundamentals of Unix	3	CSC 119
	CSC 161 CSC 225	Computer Science II: C++ (Fall only) Comp Arch/Assembly Language (Spr only)	4	CSC 160

## 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
	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
	CIS 220	Fundamentals of Unix	3	CSC 119

### Third Semester:

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

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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.