



Certificate: Software Developer

2019-2020 Certificate Requirements

Required Courses	Title	Credits
*Some pre-requisites are completed in the Computer Science Certificate	CSC 119 and CSC 160	
CSC 217	Advanced Python Programming	3
CWB 110	Complete Web Authoring: HTML & CSS	3
CIS 240	Database Design and Development	3
CIS 243	Introduction to SQL	3
CSC 240	Java Programming (Spring only)	
Choose 1 from the following:		3
CSC 129	Introduction to Secure Code	3
CSC 241	Advanced Java Programming (Spring only)	3
CSC 245	Secure Software Coding	
CSC 246	Mobile App Development (Fall only)	3
CNG 131	Principles of Information Assurance	3
CWB 205	Client-Side Scripting: JavaScript	3
Faculty Advisor Approved Elective		
TOTAL:		18

2019-2020 Certificate Map (Start in either Fall or Spring)

Full-Time College Ready

Fall Semester:

Complete	Course Number	Title	Credits	Prerequisite
	CWB 110	Complete Web Authoring: HTML & CSS	3	Basic Computer Skills
	CSC 246	Mobile App Development	3	CSC 160
	CWB 205	Client Side Scripting: JavaScript	3	CWB 110 & CSC 119
	CIS 240 (7.5 accelerated)	Database Design and Development	3	CSC 119
	CIS 243 (7.5 accelerated)	Introduction to SQL	3	CSC 240

Spring Semester

Complete	Course Number	Title	Credits	Prerequisite
	CSC 217	Advanced Python Programming	3	CSC 119
	CSC 240 (7.5 accelerated)	Java Programming	3	CSC 160
	CSC 241 (7.5 accelerated)	Advanced Java Programming	3	CSC 240

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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.