Community: Information Technology
AAS: Secure Software Development

2018-2019 Map (Start in Fall or Spring)
Full-Time College Ready

Community: Information Technology
Associate of Applied Science (AAS): Secure Software Development

Required	Title	Credits
CIS 110	Working knowledge of computers and computer basics	3
	Community College Placement Tests	0

Credit from any two of the following areas:	6 credits
Arts & Humanities (ART, FRE, GER, HUM, ITA, JPN, LIT, MUS, PHI, RUS, SPA, THE)	
Natural & Physical Sciences (AST, BIO, CHE, ENV, GEY, PHY, SCI)	
Social & Behavioral Sciences (ANT, ECO, GEO, HIS, POS, PSY, SOC)	

First Semester:

Complete	Course Number	Title	Credits	Prerequisite
	CSC 119	Introduction to Programming	3	Basic Computer Skill
	ENG 121	English Composition I	3	
	MAT 121	College Algebra (or higher)	4	
	Gen Ed (select one)	Gen – Ed Arts & Humanities, Sciences, Social & Behavioral (See above for details)	3	

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
	CIS 240 (7.5 Accelerated)	Database Design and Development	3	CSC 119
	CIS 243 (7.5 Accelerated)	Introduction to SQL	3	CIS 240
	COM 115, 125 (select one)	Public Speaking Interpersonal Communication	3	

Third Semester:

Compete	Course Number	Title	Credits	Prerequisite
	ENG 122,131 (select one)	English Composition II Technical Writing	3	
	CSC 129	Introduction to Secure Coding	3	CSC 160
	CNG, CSC (select one)	CNG 101, 131, 132 CSC 217, 240, 241, 246, 280	6	
	CSC 161 CSC 225 (select one)	Computer Science II: C++ - (Fall Only) Computer Architecture (Spring Only)	4	CSC 160
	Gen Ed (select one)	Gen – Ed Arts & Humanities, Sciences, Social & Behavioral	3	

Fourth Semester:

Complete	Course Number	Title	Credits	Prerequisite
	CIS 268	Systems Analysis and Design (Spring Only)	3	(last semester)
	CSC 245	Secure Software Coding	3	CSC 129
	BUS Elective	BUS 115, 126, 226, or 210	3	
	CSC 161 CSC 225 (select the one not completed)	Computer Science II: C++ (Fall Only) Computer Architecture (Spring Only)	4	CSC 160
	CIS 289, CSC 280 (select one)	Capstone – (Spring Only) Internship	3	Faculty Approval

Faculty Advisor: Candace Garrod | candace.garrod @rrcc.edu

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.