

HIGH SCHOOL-TO-COLLEGE PATHWAY

PATHWAY: COMPUTER PROGRAMMING & DEVELOPMENT TECHNOLOGY								ASSOCIATE OF APPLIED SCIENCE DEGREE	
HIGH SCHOOL PLAN									
SECONDARY	GRADE	English	Math	Science	Social Studies	Required Courses or Recommended CTE Electives		Career and Technical Courses	
	9	English I	Math I	Earth Science	World History	*Health/PE		Microsoft Word & PowerPoint	
						*Career Mgmt./Personal Finance/PLTW			
	10	English II	Math II	Biology	Civics & Economics	Microsoft Excel & Access		Project Management I	
						Multimedia & Webpage Design			
	11	English III	Math III	Physics	US History I	WEB 151 Mobile App Dev I		E-commerce I	
CSC 153 C# Programming						CSC 153 Java Programming			
12	English IV	4 th Math Course	Elective	US History II	CSC 153 C# Programming		CSC 134 C++ Programming		
					CTI 110 Web, Pgm, & DB Foundation		CSC 253 Adv C# Programming		
COMMUNITY COLLEGE PLAN									
Year 13									
POSTSECONDARY	Fall Semester	ACA 111 College Student Success	CTS 135 Integrated Software Intro	ENG 111 Writing & Inquiry	BUS 151 People Skills	CTI 110 Web, Pgm, & DB Foundation		CTI 120 Network & Sec Foundation	
	Spring Semester	ENG 114 Prof. Research & Report	NOS 110 Operating Sys Concepts	SEC 110 Security Concepts	WEB 210 Web Design		MAT 143 Quantitative Literacy		CTS 115 Info Sys Business Concepts
Year 14									
POSTSECONDARY	Fall Semester	NOS 120 Linux/Unix Single User	DBA 110 Database Concepts	NET 125 Networking Basics	CSC 153 C# Programming		CTS 120 Hardware/Software Support		WEB 151 Mobile App Develop
	Spring Semester	CSC 151 Java Programming	CTS 289 System Support Project	NET 126 Routing Basics	Program Elective		Social Science Elective	Humanities/Fine Arts Elective	

REQUIRED CREDIT HOURS FOR DEGREE: 71

HOURS REMAINING TO COMPLETE DEGREE: 53

RED ARTICULATED CREDIT: 3 HOURS

Yellow Recommended CTE: 15 HOURS

CLUSTER: Science, Technology, Engineering, & Math
OCCUPATIONS: Computer Operator, Systems Analyst, Help desk Technician, Computer Support Specialist, Technical Support Specialist, Web Designer.
AVERAGE SALARY: \$46,620

Upon completion of the pathway, the students will be awarded a **Computer Programming & Development Certificate** from SCC