CCV STEM Studies to Vermont Tech Software Engineering PATHWAY

CCV DEGREE PROGRAM: STEM Studies	VERMONT TECH PROGRAM: Software Engineering
Gen Ed: First Semester Seminar: INT-1050 or INT-1060	INT-1005 Self, Career, and Culture
Gen Ed: Technological Literacy course Choose CIS-1151 Website Development	CIS-1151 Website Development
Gen Ed: Communication: Choose ENG-1070 Effective Speaking, COM-1010 Effective Workplace Communication, or CIS-2360 Computer User Support	BUS-2270 Organizational Communications
Gen Ed: ENG-1061 English Composition	ENG-1061 English Composition
Gen Ed: Mathematics: choose MAT-2021 Statistics I	MAT-2021 Statistics I
Gen Ed: Research/Writing Intensive: ENG-2135 Technical Writing & Research or take ENG-2080 at Vermont Tech	ENG-2080 Technical Communication
Gen Ed: Scientific Method course: Choose one 4-cr lab science	Lab Science
Gen Ed: Human Expression: Choose course to meet Vermont Tech Arts and Humanities	Arts and Humanities
Gen Ed: Human Behavior: Choose course to meet Vermont Tech Social Science	Social Science
Gen Ed: Global Perspectives & Sustainability: Choose BIO-1020 Intro to Environmental Biology	Lab Science
Gen Ed: HUM-2010 Seminar in Educational Inquiry	Arts and Humanities
INT-2860 Professional Field Experience	CIS-1120 Intro to IST
Additional credits to reach 23 college-level credits from any combination of AHS, ARC, BIO, CHE, CIS (above CIS-1020), ENV, GEY, MAT, or PHY Choose: CIS-2271 Java Programming CIS-1311 Cisco I: Introduction to Networks CIS-2150 Introduction to Linux MAT-1230 College Algebra and MAT-1330 Pre-Calculus (must take both MAT-1230 and MAT-1330 to sub for MAT-1311 and MAT-1312) Consider taking through Vermont Tech prior to transfer: *CIS-1152 Advanced Website Development *CIS-2260 Object Oriented Programming *CIS-2320 Software QA & Testing *CIS-2730 Software Engineering Projects	 CIS-2261 Introduction to Java Programming I CIS-2151 Networks I CIS-2230 Systems Administration MAT-1311 Pre-Calculus I and MAT-1312 Pre-Calculus II CIS-1152 Advanced Website Development CIS-2260 Object Oriented Programming CIS-2320 Software QA & Testing CIS-2730 Software Engineering Projects
Total CCV credits: 60+	
	*CIS-1152 Advanced Website Development
	*CIS-2260 Object Oriented Programming
	*CIS-2320 Software QA & Testing
	*CIS-2730 Software Engineering Projects
	CIS-2262 Introduction to Java Programming II
	CIS-2010 Computer Organization
	CIS-3030 Programming Languages
	CIS-3050 Algorithms and Data Structures
	CIS-4020 Operating Systems
	CIS-4150 Software Engineering
	CIS-3010 Database Systems
	CIS-4120 Systems Analysis
	CIS-4040 Computer Security
	CIS- 4721 Senior Projects I
	24 approved CSE electives
	HUM-3060 Cyberethics
	3000 AH/SS level elective
	BUS-4530 Technical Project Management or BUS-3041 Applied Entrepreneurship
	CIS-4722 Senior Projects II
	General Education Capstone
	Estimated Total CCV and Vermont Tech credits: 141+