

TransferVA – Computer Science Two-Year Curriculum
 Current Master Course File: <https://courses.vccs.edu>

	Associate Degree Requirements	Credits	VCCS Courses
	Student Development	1-2	SDV 100 or 101
UCGS	Written Communication	3	ENG 111
		3	ENG 112 or ENG 113
	Art, Humanities, & Literature	3	Any UCGS Art, Humanities, or Literature <i>(PHI 220 Ethics required by some 4-years)</i>
		3	Any UCGS Art, Humanities, or Literature (must be from a different category than previous selection)
	Social & Behavioral Sciences	3	Any UCGS Social & Behavioral Science
	History	3	Any UCGS History
	Natural Sciences	4	BIO 101 Biology I CHM 111 Chemistry I PHY 201 General College Physics I PHY 241 University Physics I GOL 105 Physical Geology GOL 106 Historical Geology or GOL 110 Earth Systems
	Math	4	MTH 263 Calculus I
		3-4	MTH 245 Statistics I or MTH 264 Calculus II
	General Education	3-4	Select 1 course listed below: BIO 102 Biology II CHM 112 Chemistry II PHY 202 General College Physics II PHY 242 Physics II GOL 105 Physical Geology GOL 106 Historical Geology GOL 110 Earth Systems MTH 245 Statistics MTH 264 Calculus II MTH 265 Calculus III CST 100 or 110, or World Language
Pre-major and major requirements	Major Specific	3	CSC 221 Intro to Problem Solving and Programming
	Major Specific	4	CSC 222 Object Oriented Programming
	Major Specific	4	CSC 223 Data Structures and Analysis of Algorithms
	Major Specific	3	CSC 208 Intro to Discrete Structures or MTH 288 Discrete Mathematics
	Major Specific	3	CSC 205 Computer Organization, CSC 215 Computer Systems, or MTH 265 Calculus III
	Prerequisites, additional associate degree requirements, and other courses	7-10	Additional Science from list above CSC 205/215 CSC Fundamentals of Cybersecurity EGR 121 Foundations of Engineering, EGR 122 Engineering Design, EGR 270 Computer Engineering, CST 100, 110 Communications, World Language MTH 265 Calculus III, or MTH 266 Linear Algebra Prerequisite Courses: MTH 161/162, MTH 167
Total Credits		60-62	