

TransferVA – Physics Two-Year Curriculum Final Spring 2024  
 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
	Humanities, Art, and Literature	3	Any UCGS Art, Humanities, or Literature course
		3	Any UCGS Art, Humanities, or Literature course; must be from different category than previous course
	Social & Behavioral Sciences	3	Any UCGS Social & Behavioral Science (not History)
		3	Any UCGS History course
	Math	4	MTH 263 Calculus I
	Lab Science	4	PHY 241 University Physics I (prerequisite: students must have completed MTH 263 with a C or better)
	Gen Ed	4	MTH 264 Calculus II
	Gen Ed	4	PHY 242 University Physics II (prerequisite: students must have completed PHY 241 and MTH 264 with a C or better)
	Major requirement	4	MTH 265 Calculus III
	Major requirement	3	MTH 267 Differential Equations
	Major requirement	3	MTH 266 Linear Algebra
	Major requirement	3-8	<p><b>Select 1-2 courses from:</b></p> <p>CHM 111 General Chemistry I                      CHM 112 General Chemistry II                      CSC 221 Introduction to Problem Solving and Programming                      CSC 222 Object-Oriented Programming                      Additional MTH course</p> <p><i>Students should consult 4-year college transfer guide for guidance on course selection</i></p>

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Prerequisites, additional associate degree requirements, and other courses	Prerequisites, additional associate degree requirements, and other courses	6-14	<p>World language required at some four-year schools.</p> <p>Students who have completed all prerequisites (MTH 161-162 or 167) and community college and four-year college requirements (eg World Languages, ITE, CST) should take additional courses from the rows above or transfer elective courses to fulfill the 60-62 credit requirement.</p> <p><i>Consult transfer guides on <a href="http://www.transfervirginia.org">www.transfervirginia.org</a>, and community college advisor for additional guidance.</i></p>
	Total Hours	60 - 62	

\* Courses to be developed through Transfer Virginia