2025-2026 Old Dominion University Catalog
Bachelor of Science in Computer Science with a Major in Secondary Computer Science Education (w/ VCCS Equivalencies)

Sample four year curriculum with a suggested ordering of courses. Students may re-order as needed.
* Indicates not automatically waived with transferrable associates degree, C or better required for transfer. Courses in green are waived by the completion of an Associate degree (Not eligible for Applied Associate degrees). AS in Computer Science recommended for ease of transfer.

YEAR 1 - FRESHMAN (29 CREDITS)

FALL SEMESTER (15 credits)		SPRING SEMESTER (14 credits)	
General Education and Major Coursework:	VCCS Equivalency:	General Education and Major Coursework:	VCCS Equivalency:
CS 151, or CS 153 (4 credits)	CSC 221 (If CSC 221 is taught in C++ , transfers as CS 150, if taught in Java, as CS 151, if taught in Python, as CS 153)*	CS 251 (4 credits)	CSC 222 (If CSC 222 is taught in C++ , transfers as CS 250, if taught in Java, as CS 251, if taught in Python, as CS 253)*
ENGL 110C	ENG 111*	CS 252 (1 credit)	ITN 171*
Human Creativity	Transfer Equivalency Guide	ENGL 211C, 221C, or 231C (231C preferred)	ENG 112, 210, 115 OR 131*
Literature	Transfer Equivalency Guide	Interpreting the Past	Transfer Equivalency Guide
Professional Education Coursework:		Human Behavior	Transfer Equivalency Guide
STEM 103 (2 credits)			

YEAR 2 - SOPHOMORE (34 CREDITS)

FALL SEMESTER (17 credits)		SPRING SEMESTER (15 credits)	
General Education and Major Coursework:	VCCS Equivalency:	General Education and Major Coursework:	VCCS Equivalency:
Nature of Science I (must be in sequence)**	BIO 101, CHM 111 or PHY 111 preferred*	Nature of Science II (must be in sequence)**	BIO 102, CHM 112 or PHY 112 preferred*
MATH 211 (4 credits)	MTH 173, 263 or 273*	MATH 212 (4 credits)	MTH 174, 264, or 274*
CS 170	CSC 205*	CS 260 (1 credit)	
Oral Communication: COMM 101R or PHIL 160R	Transfer Equivalency Guide	Information Literacy and Research: CS 121G or CS 202G	Transfer Equivalency Guide
Professional Education Coursework:		Professional Education Coursework:	
STEM 201		STEM 202	

YEAR 3 - JUNIOR (30 CREDITS)

FALL SEMESTER (15 credits)		SPRING SEMESTER (15 credits)	
Major Coursework:	VCCS Equivalency:	Major Coursework:	VCCS Equivalency:
CS 300T (meets Impact of Technology)		CS 330	
CS 350		CS 381	CSC 208 or MTH 288*
MATH 316	MTH 266 or 285*	CS 361	
Philosophy and Ethics	Transfer Equivalency Guide	STAT 330	MTH 283*
Professional Education Coursework:		Professional Education Coursework:	
STEM 401		STEM 402	

YEAR 4 - SENIOR (27 CREDITS)

FALL SEMESTER (15 credits)		SPRING SEMESTER (14 credits)	
Major Coursework:	VCCS Equivalency:	Major Coursework:	VCCS Equivalency:
CS 355		STEM 485 (9 credits)	
CS 432		CS Upper-Level Elective***	
CS 462		Elective (2cr)	
CS 468W			
CS 471			

This 4-year plan does not include 6 credits in Language and Culture, but this requirement may be waived; see ODU catalog.

** For eligible courses, please see catalog.

Note: Upper division general education is satisfied through the Professional Education Core Courses.

***Please refer to the catalog and consult with your advisor for appropriate coursework.

Computer Science majors must earn a grade of C or better in all (non-elective) computer science courses required for the major and in all computer science prerequisite courses.

Students must maintain a cumulative GPA of 2.75, a major/content GPA of 2.75 and a professional education GPA of 2.75. Computer science courses must be passed with a grade of C (2.0) or higher. Courses in the professional education core must be completed with a grade of C- or higher for continuance. A professional education GPA of 2.75 is required for continuance. Students must take and pass the Virginia Communication and Literacy Assessment (VCLA) and the Praxis Subject Assessment, Computer Science content knowledge (formerly Praxis II) prior to or while enrolled in the instructional strategies course. All assessments must be passed prior to the start of the Teacher Candidate Internship Orientation session.

This four-year plan is a suggested curriculum to complete this degree program in four years. It is just one of several plans that will work and is presented only as broad guidance to students. Each student is strongly encouraged to develop a customized plan in consultation with their academic advisor. Additional information can also be found in Degree Works.