

OLD DOMINION UNIVERSITY 2004-2006 Catalog

Bachelor of Science in Computer Science

Students earning the AS, AA, or AA&S (or university parallel) degree from a Virginia Community College automatically satisfy the lower division general education requirements. **Courses marked with * require a grade of C or better to transfer, even with the AS degree. The remaining lower division courses are automatically satisfied by the AS (including foreign language), regardless of the grade earned.** Additionally, courses in which a grade of C- or below was earned will not transfer. Therefore Community College degree holders may require additional credits to meet the 120 credit hour graduation minimum. (AS=Associate degree)

Writing Sample Placement Test: _____

Computer Science majors must earn a grade of C or better in all CS courses to meet graduation requirements.

FRESHMAN FIRST SEMESTER credit

CS 150	Intro to Programming	_____4 *
CS 170	Computer Organization & Architecture I	_____3 *
MATH 211	Calculus I	_____4 *
ENGL 110C	English Comp I	_____3
CS 110	Intro to Computer Science	_____1

FRESHMAN SECOND SEMESTER

CS 250	Problem Solving & Programming	_____4 *
CS 252	Intro to UNIX for Programmers	_____1
CS 270	Computer Organization & Architecture II	_____3 *
MATH 212	Calculus II	_____4 *
ENGL 111C/131C	English Comp II/Technical Writing	_____3

SOPHOMORE FIRST SEMESTER

CS 361	Data Structures	_____3
CS 381	Discrete Structures	_____3
GEN ED	Natural Science Perspective	_____4
GEN ED	Oral Communication	_____3

SOPHOMORE SECOND SEMESTER

CS 330	Object Oriented Programming & Design	_____3
STAT 330	Intro to Probability and Statistics	_____3
TECHNICAL ELECTIVE 1 **		_____3-4 *
GEN ED	Natural Science Perspective	_____4
GEN ED	Literature Perspective	_____3

JUNIOR FIRST SEMESTER

CS 350	Intro to Software Engineering	_____3
MATH 316	Linear Algebra	_____3
CS Elective 1		_____3
TECHNICAL ELECTIVE 2 **		_____3-4 *
GEN ED	Philosophy Perspective	_____3

JUNIOR SECOND SEMESTER

CS 300	Computers in Society	_____3
CS 390	Intro to Theoretical Computer Science	_____3
CS 417	Computational Methods and Software	_____3
CS Elective 2		_____3
GEN ED	Fine Arts Perspective	_____3

SENIOR FIRST SEMESTER

CS 410	Professional Workforce Development	_____3
CS 471	Operating Systems	_____3
CS Elective 3		_____3
UPPER GEN ED Cluster 1		_____3
GEN ED	Social Science Perspective	_____3

SENIOR SECOND SEMESTER

CS 411W	Professional Workforce Development	_____3
CS Elective 4		_____3
UPPER GEN ED Cluster 2		_____3
UPPER GEN ED Cluster 3		_____3
GEN ED	History Perspective	_____3

Requirements for graduation include a minimum cumulative grade point average of 2.00 overall and in the major, 120 credit hours, passage of the Exit Examination of Writing Proficiency, completion of the Computer Science Exit Exam and the Senior Assessment. Additional hours may be required to meet the foreign language requirement.

** The technical elective requirement is designed to broaden the student's technical background in quantitative methods. Courses may be chosen from the upper-level courses, technology (T) courses, or cluster courses in biology, chemistry, geology, oceanography, and physics, or the natural science (N) courses excluding BIOL 108N-109N and PHYS 103N-104N. With the approval of a computer science advisor, other technically oriented courses may be used to meet this requirement.

Honors Program. Students may obtain a Bachelor of Science in Computer Science with the honors designation through the completion of three junior/senior level computer science courses with honors designation and by achieving a 3.50 in-major GPA.