

**United States Armed Forces / Old Dominion University
Military Pathway
Catalog Years 2026–2029**

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

Requirements Potentially Met Outside Classroom		
Military Course, Certification, Experience, or Exam	ODU Equivalent Course	Credits
Lower-Division General Education Requirements		
CLEP ^{1 2 3} College Composition (NOT Modular)	ENGL 110C English Composition	3
DSST Technical Writing	ENGL 231C Writing, Rhetoric, and Research: Special Topics	3
Select military specialties	Oral Communication requirement	3
CLEP Foreign Languages or military linguist or DLIFLC grad	Language and Culture requirement ⁴	6
CLEP Any Social Science exam except Educational Psych	Human Behavior requirement	3
CLEP Any History exam	Interpreting the Past requirement	3
CLEP American or Analyzing & Interpreting Literature	Literature requirement	3
CLEP Biology ⁵	Nature of Science requirement	8
Department or Major Requirements		
Select military specialties	CS 170 Introduction to Computer Architecture I	3
Current or previous E6-E9 or DSST Principles of Supervision	SEPS 302 Workforce Supervision Management (Option D)	3
Current or previous E7-E9 or CLEP Principles of Management	MGMT 325 Contemporary Organizations & Mgmt (Option B/D)	3
Current or previous E8-E9	MGMT 330 Organizational Behavior (Option B/D)	3
Current or previous E9	MGMT 410 Leadership in Organizations (Option B/D)	3
CLEP Chemistry	CHEM 121N and 123N (meets Technical Elective)	3
DSST Intro to Geology or Principles of Physical Science I	OEAS 111N or OEAS 110N (meets Technical Elective)	3
Requirements Potentially Met Outside Classroom		53

¹ A passing CLEP or DSST examination score will satisfy the ODU requirement. See <https://clep.collegeboard.org/> and <https://www.odu.edu/academics/academic-records/score-analysis/clep-dantes> for details.

² A student may forego the CLEP or DSST option and satisfy the requirements by taking the actual courses. If a course is taken elsewhere check first for transfer equivalency here <https://transfer2.odu.edu/equivalency/>.

³ Modern States offers CLEP preparation here <https://modernstates.org/>.

⁴ ODU's Language and Culture requirement can be satisfied by three years of a foreign language or two years of two foreign languages in high school. Students whose native language is not English are exempt from taking a foreign language for general education.

⁵ Biology is the only CLEP exam that will satisfy all eight credit hours for ODU's Nature of Science requirement.

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Requirements Met at ODU

A minimum of 30 credits must be taken at ODU and 120 credits total to earn degree

Short Title	Course Title	Credits
CS 121G or CS 202G	Introduction to Information Literacy and Research for Scientists or Information Literacy for Cybersecurity	3
CS 150, 151, or 153	Introduction to Programming with C++, Java, or Python	4
CS 250 & 261 or CS 251 & 260 or CS 253 & 260 & 261	Programming with C++ and Java for Programmers or Programming with Java and C++ for Programmers or Transfer credit for Programming with Python and C++ for Programmers and Java for Programmers	5-6
CS 252	Introduction to Unix for Programmers	1
CS 270	Introduction to Computer Architecture II	3
CS 315 or 115	Computer Science Undergraduate Colloquium or Introduction to Computer Science with Python	1
CS 330	Object-Oriented Design and Programming	3
CS 350 or CS 351 & 352	Introduction to Software Engineering or Software Engineering and Software Engineering Lab	3
CS 355	Principles of Programming Languages	3
CS 361	Data Structures and Algorithms	3
CS 381	Introduction to Discrete Structures	3
CS 390	Introduction to Theoretical Computer Science	3
CS 410	Professional Workforce Development I	3
CS 411W	Professional Workforce Development II	3
CS 417	Computational Methods and Software	3
CS 422 or CS 480	Introduction to Machine Learning or Introduction to Artificial Intelligence	3
CS 450 or CS 418	Database Concepts or Web Programming	3
CS 471	Operating Systems	3
CS Electives	Select three courses from catalog	9
Human Creativity	Human Creativity requirement	3
Philosophy & Ethics	Philosophy and Ethics requirement	3
MATH 211, 212, & 316	Calculus I, II, and Introductory Linear Algebra	11
STAT 330	An Introduction to Probability and Statistics	3
Requirements Met at ODU		83
Total Credits for Degree		120

See our [Military Learner Checklists](#) for additional guidance.

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