

## 2021 - 2022 Old Dominion University Catalog

### Bachelor of Science in Computer Science (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 (30 CREDITS)

##### FALL SEMESTER (16 credits)

General Education and Major Coursework:

CS 150 (4 credits)

ENGL 110C

Philosophy and Ethics

Human Creativity

Language and Culture I

(May be waived, see catalog for details)

VCCS Equivalency:

EGR 126 or ITP 132 (all VCCS) or

CSC 201 (only accepted from TCC, CS 250 (4 credits)

TNCC, PHCC or PDCCC)\*

ENG 111\*

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##### SPRING SEMESTER (14 credits)

General Education and Major Coursework:

CS 250 (4 credits)

CS 252 (1 credit)

ENGL 211C, 221C, or 231C (231C preferred)

Interpreting the Past

Language and Culture II

(May be waived, see catalog for details)

VCCS Equivalency:

CSC 210 or ITP 232\*

ITN 171\*

ENG 112, 210, 115 OR 131\*

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#### YEAR 2 - SOPHOMORE (34 CREDITS)

##### FALL SEMESTER (17 credits)

General Education and Major Coursework:

Nature of Science I (must be in sequence)\*\*\*

MATH 211 (4 credits)

CS 170

Literature

Oral Communication: COMM 101R

VCCS Equivalency:

BIO 101, CHM 111 or PHY 111 preferred\*

MTH 173, 263 or 273\*

CSC 205\*

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##### SPRING SEMESTER (17 credits)

General Education and Major Coursework:

Nature of Science II (must be in sequence)\*\*\*

MATH 212 (4 credits)

CS 270

Human Behavior

Information Literacy and Research: CS 121G or 202G

VCCS Equivalency:

BIO 102, CHM 112 or PHY 112 preferred\*

MTH 174, 264, or 274\*

CSC 215\*

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#### YEAR 3 - JUNIOR (30 CREDITS)

##### FALL SEMESTER (15 credits)

Major Coursework:

CS 300T (meets Impact of Technology)

Technical Elective\*\*

MATH 316

CS 330

CS 300/400 level elective course\*\*

VCCS Equivalency:

##### SPRING SEMESTER (15 credits)

Major Coursework:

CS 350

CS 381

CS 361

STAT 330

CS 300/400 level elective course\*\*

VCCS Equivalency:

MTH 283\*

#### YEAR 4 - SENIOR (30 CREDITS)

##### FALL SEMESTER (15 credits)

Major Coursework:

CS 390

CS 410

Technical Elective\*\*

CS 355

Upper Division Gen. Ed. Coursework:

300-/400-level course (Option D)

VCCS Equivalency:

##### SPRING SEMESTER (15 credits)

Major Coursework:

CS 411W

CS 417

CS 471

CS 300/400 level elective course\*\*

Upper Division Gen. Ed. Coursework:

300-/400-level course (Option D)

VCCS Equivalency:

*Language and Culture may be waived, see ODU catalog.*

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

*Computer Science students may choose their electives to obtain an emphasis in data science, machine learning, databases, networking, web programming, systems programming, game programming and cybersecurity. See catalog for specific coursework.*

*\*\*\* For eligible courses, please see catalog.*

*Note: Upper division general education (minor) has other options, see catalog for requirements.*

*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. A minimum of 9 credits of upper-level (300/400) computer science elective courses must be completed in addition to the required courses.*

*Requirements for graduation include a minimum cumulative grade point average of 2.00 overall and in the major, a grade of C or better in all courses required for the major, including prerequisite courses, 120 credit hours, which must include both a minimum of 30 credit hours overall and 12 credit hours in upper-level courses in the major program from Old Dominion University, completion of ENGL 110C, ENGL 211C or 221C or 231C, and a writing intensive (W) course in the major with a grade of C or better, and completion of Senior Assessment.*

*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.*