

2019 - 2020 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:

CSC 201 or EGR 126*

ENG 111*

[Transfer Guide](#)

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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* (TCC only)

ITN 171 or 271*

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:

[Transfer Guide*](#)

MTH 173, 263 or 273*

CSC 205*

[Transfer Guide](#)

[Transfer Guide](#)

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

VCCS Equivalency:

[Transfer Guide*](#)

MTH 174, 264, or 274*

CSC 206 or 215*

[Transfer Guide](#)

[Transfer Guide](#)

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:

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)

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

Language and Culture may be waived, see ODU catalog.

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

Computer Science majors may select their own electives from the CS offerings or may be guided by the following emphasis areas (up to six credits of work experience may be used): Database, Networking, Systems Programming, Web Programming, Systems Programming, Game Programming, and Cyber Security. See catalog for specific coursework.

*** For eligible courses, please see catalog. OEAS 110N or OEAS 111N and OEAS 112N. Cannot use PHYS 101N and PHYS 102N.

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.

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.