

## 2020 - 2021 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)

<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>
CS 150 (4 credits)	EGR 126 (all VCCS) or CSC 201 (only accepted from TCC, NVCC, TNCC, PHCC or PDCCC)*
ENGL 110C	ENG 111*
Philosophy and Ethics	<a href="#">Transfer Guide</a>
Human Creativity	<a href="#">Transfer Guide</a>
Language and Culture I (May be waived, see catalog for details)	<a href="#">Transfer Guide</a>

##### SPRING SEMESTER (14 credits)

<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>
CS 250 (4 credits)	CSC 210* (TCC only)
CS 252 (1 credit)	ITN 171 or 271*
ENGL 211C, 221C, or 231C (231C preferred)	ENG 112, 210, 115 OR 131*
Interpreting the Past	<a href="#">Transfer Guide</a>
Language and Culture II (May be waived, see catalog for details)	<a href="#">Transfer Guide</a>

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

##### FALL SEMESTER (17 credits)

<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>
Nature of Science I (must be in sequence)***	<a href="#">Transfer Guide*</a>
MATH 211 (4 credits)	MTH 173, 263 or 273*
CS 170	CSC 205*
Literature	<a href="#">Transfer Guide</a>
Oral Communication: COMM 101R	<a href="#">Transfer Guide</a>

##### SPRING SEMESTER (17 credits)

<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>
Nature of Science II (must be in sequence)***	<a href="#">Transfer Guide*</a>
MATH 212 (4 credits)	MTH 174, 264, or 274*
CS 270	CSC 206 or 215*
Human Behavior	<a href="#">Transfer Guide</a>
Information Literacy and Research: CS 121G	<a href="#">Transfer Guide</a>

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

##### FALL SEMESTER (15 credits)

<u>Major Coursework:</u>	<u>VCCS Equivalency:</u>
CS 300T (meets Impact of Technology)	
Technical Elective**	
MATH 316	
CS 330	
CS 300/400 level elective course**	

##### SPRING SEMESTER (15 credits)

<u>Major Coursework:</u>	<u>VCCS Equivalency:</u>
CS 350	
CS 381	
CS 361	
STAT 330	
CS 300/400 level elective course**	

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

##### FALL SEMESTER (15 credits)

<u>Major Coursework:</u>	<u>VCCS Equivalency:</u>
CS 390	
CS 410	
Technical Elective**	
CS 355	
<u>Upper Division Gen. Ed. Coursework:</u>	
300-/400-level course (Option D)	

##### SPRING SEMESTER (15 credits)

<u>Major Coursework:</u>	<u>VCCS Equivalency:</u>
CS 411W	
CS 417	
CS 471	
CS 300/400 level elective course**	
<u>Upper Division Gen. Ed. Coursework:</u>	
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.