

## 2015 - 2016 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.*

#### YEAR 1 - FRESHMAN (31 CREDITS)

##### FALL SEMESTER (14 credits)

<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>
CS 110 (1 credit)	
CS 150 (4 credits)	CSC 201, EGR 126 or ITP 100*
ENGL 110C	ENG 111*
Philosophy and Ethics	<a href="#">Transfer Guide</a>
Language and Culture I	<a href="#">Transfer Guide</a>
(May be waived, see catalog for details)	

##### SPRING SEMESTER (17 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*
Interpreting the Past	<a href="#">Transfer Guide</a>
ENGL 231C	ENG 115 or 131*
Language and Culture II	<a href="#">Transfer Guide</a>
(May be waived, see catalog for details)	
Human Creativity	<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>
Literature	<a href="#">Transfer Guide</a>
Oral Communication (COMM101R preferred)	<a href="#">Transfer Guide</a>
MATH 211 (4 credits)	MTH 173 or 273*
CS 170	CSC 205*

##### 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 or 274*
Human Behavior	<a href="#">Transfer Guide</a>
CS 270	CSC 206 or 215*
Information Literacy and Research (CS 121G preferred)	<a href="#">Transfer Guide</a>

#### YEAR 3 - JUNIOR (31 CREDITS)

##### FALL SEMESTER (16 credits)

<u>Major Coursework:</u>	<u>VCCS Equivalency:</u>
CS 300T	
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 355	
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 381	
<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 for exemptions.

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, Game Programming, Cyber Security, and Miscellaneous. See catalog for specific coursework.

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.

Note: OEAS 106N & 107N may not be used to satisfy the Nature of Science I and II requirement.

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.