

# 2014 - 2015 Old Dominion University Catalog

## Bachelor of Science in Computer Science

*Sample four year curriculum with a suggested ordering of courses. Students may re-order as needed.*

### YEAR 1 - FRESHMAN (34 CREDITS)

#### FALL SEMESTER (17 credits)

General Education Coursework:

CS 110 (1 credit)  
 CS 150 (4 credits)  
 Interpreting the Past  
 ENGL 110C  
 Philosophy and Ethics  
 Language and Culture I  
 (May be waived, see catalog for details)

#### SPRING SEMESTER (17 credits)

General Education Coursework:

CS 250 (4 credits)  
 CS 252 (1 credit)  
 CS 170  
 ENGL 231C  
 Human Creativity  
 Language and Culture II  
 (May be waived, see catalog for details)

### YEAR 2 - SOPHOMORE (34 CREDITS)

#### FALL SEMESTER (17 credits)

General Education Coursework:

Nature of Science I  
 (must be in sequence)  
 Literature  
 CS 270  
 MATH 211 (4 credits)  
 Oral Communication (COMM 101R preferred)

#### SPRING SEMESTER (17 credits)

General Education Coursework:

Nature of Science II  
 (must be in sequence)  
 MATH 212 (4 credits)  
 Interpreting the Past  
 Human Behavior  
 Information Literacy and Research (CS 121G preferred)

### YEAR 3 - JUNIOR (30 CREDITS)

#### FALL SEMESTER (15 credits)

Major Coursework:

CS 300T  
 Technical Elective\*\*  
 MATH 316  
 CS 330  
 CS 300/400 level elective course\*\*

#### SPRING SEMESTER (15 credits)

Major Coursework:

CS 350  
 CS 355  
 CS 361  
 STAT 330  
 CS 300/400 level elective course\*\*

### YEAR 4 - SENIOR (30 CREDITS)

#### FALL SEMESTER (15 credits)

Major Coursework:

CS 390  
 CS 410  
 Technical Elective\*\*  
 CS 381

Upper Division Gen. Ed. Coursework:

300-/400-level course (Option D)

#### 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 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.