

## 2019 - 2020 Old Dominion University Catalog

### Bachelor of Science in Computer Engineering (with 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 Engineering recommended for ease of transfer.*

#### YEAR 1 - FRESHMAN (33 CREDITS)

##### FALL SEMESTER (16 credits)

General Education and Major Coursework:

ENGN 110  
CHEM 121N/122N  
MATH 211  
ENGL 110C (C or better required)  
COMM 101R

VCCS Equivalency:

EGR 120 or 124\*  
CHM 111\*  
MTH 173, 263, or 273\*  
ENG 111\*  
CST 100, 105 or 110\*

##### SPRING SEMESTER (17 credits)

General Education and Major Coursework:

ECE 111  
CHEM 123N  
MATH 212  
CS 150 or ENGN 150  
PHYS 231N

VCCS Equivalency:

Dept. approval upon admission\*  
CHM 112\*  
MTH 174, 264, or 274\*  
ITP 132, CSC 201, EGR 125 or EGR 126\*  
PHY 231 or 241\*

#### YEAR 2 - SOPHOMORE (33 CREDITS)

##### FALL SEMESTER (17 credits)

General Education and Major Coursework:

MATH 307 (280)  
ECE 201  
ECE 241  
PHYS 232N  
Literature

VCCS Equivalency:

MTH 267, 279 or 291\*  
EGR 260 or 271\*  
EGR 270 or 277\*  
PHY 232 or 242\*  
[Transfer Guide](#)

General Education and Major Coursework:

ECE 202  
ECE 287  
CS 250  
CS 252  
CS 381  
ENGL 231C (C or better required)

VCCS Equivalency:

EGR 261 or 272\*  
EGR 262\*  
CSC 210 or ITP 232\*  
ITN 171 or 271\*  
ENG 115 or 131\*

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

##### FALL SEMESTER (16 credits)

General Education and Major Coursework:

ECE 302  
ECE 313 (4 credits)  
ECE 341  
CS 361  
Human Creativity

VCCS Equivalency:

[Transfer Guide](#)

General Education and Major Coursework:

ECE 304  
ECE 346  
CS 350  
ECE Technical Elective  
ECE 381

VCCS Equivalency:

##### SPRING SEMESTER (15 credits)

#### YEAR 4 - SENIOR (32 CREDITS)

##### FALL SEMESTER (18 credits)

General Education and Major Coursework:

ECE 484W (C or better required)  
ECE 486 (2 credits)  
ECE 443  
ECE Technical Elective  
ENMA 480 (Satisfies Philosophy and Ethics)  
Interpreting the Past

VCCS Equivalency:

[Transfer Guide](#)

General Education and Major Coursework:

ECE 487 (2 credits)  
CS 471  
ECE Technical Elective  
ECE Technical Elective  
Human Behavior

VCCS Equivalency:

[Transfer Guide](#)

##### SPRING SEMESTER (14 credits)

**TOTAL CREDIT HOURS: 128**

This 4-year plan does not include 6 credits in Language and Culture, but this requirement may be waived; see ODU catalog for details.

The General Education requirements in Information Literacy and Research, Impact of Technology and Philosophy and Ethics are met through the major. The upper-division General Education requirement is met through a built in minor in computer science.

The Upper Division General Education requirement is met through the built-in minor in Computer Science.

Computer Engineering majors must earn a grade of C or better in all 200 level ECE courses prior to taking the next course in the sequence.

Requirements for graduation include a minimum cumulative grade point average of 2.00 overall and in the major and 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.