

2018 - 2019 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)

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
 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 251, 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 curriculum sheet does not include the [University's General Education Language and Culture requirement](#). Additional hours may be required.

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.

Electrical 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, 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.