

2016 - 2017 Old Dominion University Catalog
Bachelor of Science in Mechanical 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)

SPRING SEMESTER (17 credits)

General Education and Major Coursework:

VCCS Equivalency:

General Education and Major Coursework:

VCCS Equivalency:

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

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

MATH 212
CHEM 123N
PHYS 231N
CS 150
MAE 111

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

YEAR 2 - SOPHOMORE (34 CREDITS)

FALL SEMESTER (18 credits)

SPRING SEMESTER (16 credits)

General Education and Major Coursework:

VCCS Equivalency:

General Education and Major Coursework:

VCCS Equivalency:

PHYS 232N
MATH 312
MAE 204
MAE 201
MAE 203 (1 credit)
MET 120

PHY 232 or 242*
MTH 275 or 277*
EGR 140*

CAD 114, 115, 140, 151, 152, 201, 202, 203,
231, 232, 233, EGR 110, or 115*

MAE 205
MAE 220
MAE 225 (1 credit)
MATH 307
ENGL 231C (C or better required)

EGR 245*
EGR 246*
EGR 247*
MTH 279 or 291*
ENG 115 or 131*

[Interpreting the Past](#)

[Transfer Guide](#)

YEAR 3 - JUNIOR (32 CREDITS)

FALL SEMESTER (16 credits)

SPRING SEMESTER (16 credits)

General Education and Major Coursework:

VCCS Equivalency:

General Education and Major Coursework:

VCCS Equivalency:

MAE 303
MAE 305 (1 credit)
MAE 311
MAE 340
Literature
Human Creativity

[Transfer Guide](#)
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MAE 312
MAE 332
MAE 315
ENGN 401 (1 credit)
Philosophy and Ethics (ENMA 480 preferred)
Human Behavior

[Transfer Guide](#)
[Transfer Guide](#)

YEAR 4 - SENIOR (30 CREDITS)

FALL SEMESTER (15 credits)

SPRING SEMESTER (12 credits)

Major Coursework:

VCCS Equivalency:

Major Coursework:

VCCS Equivalency:

MAE 433
MAE 434W (C or better required)
MAE 436
MAE Option Course
Upper-Division General Education

MAE 435
MAE Option Course
MAE Option Course
Upper-Division General Education

TOTAL CREDIT HOURS: 126

Does not include the University's [General Education Language and Culture Requirement](#). Additional Hours may be required.

General Education requirements in Information Literacy and Research and Impact of Technology are met through the major. For additional information consult the department undergraduate handbook.

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.