

2017 - 2018 Old Dominion University Catalog Bachelor of Science in Mechanical Engineering

This is a sample four year curriculum with a suggested ordering of courses. Students have the flexibility of re-ordering as needed.

YEAR 1 - FRESHMAN (33 CREDITS)

| FALL SEMESTER (16 credits) | | SPRING SEMESTER (17 credits) | |
|--------------------------------------|---------------------|--------------------------------------|---------------------|
| <u>General Education Coursework:</u> | <u>Credit Hours</u> | <u>General Education Coursework:</u> | <u>Credit Hours</u> |
| MATH 211 | 4 | MATH 212 | 4 |
| CHEM 121N | 3 | CHEM 123N | 3 |
| CHEM 122N | 1 | PHYS 231N | 4 |
| ENGL 110C (C or better required) | 3 | CS 150 | 4 |
| ENGN 110 | 2 | MAE 111 | 2 |
| COMM 101R | 3 | | |

YEAR 2 - SOPHOMORE (34 CREDITS)

| FALL SEMESTER (18 credits) | | SPRING SEMESTER (16 credits) | |
|--------------------------------------|---------------------|--------------------------------------|---------------------|
| <u>General Education Coursework:</u> | <u>Credit Hours</u> | <u>General Education Coursework:</u> | <u>Credit Hours</u> |
| PHYS 232N | 4 | MAE 205 | 3 |
| MATH 312 | 4 | MAE 220 | 3 |
| MAE 204 | 3 | MAE 225 | 1 |
| MAE 201 | 3 | MATH 307 | 3 |
| MAE 203 | 1 | ENGL 231C (C or better required) | 3 |
| MET 120 | 3 | Interpreting the Past | 3 |

YEAR 3 - JUNIOR (32 CREDITS)

| FALL SEMESTER (16 credits) | | SPRING SEMESTER (16 credits) | |
|----------------------------|---------------------|--|---------------------|
| <u>Major Coursework:</u> | <u>Credit Hours</u> | <u>Major Coursework:</u> | <u>Credit Hours</u> |
| MAE 303 | 3 | MAE 312 | 3 |
| MAE 305 | 1 | MAE 332 | 3 |
| MAE 311 | 3 | MAE 315 | 3 |
| MAE 340 | 3 | ENGN 401 | 1 |
| Literature | 3 | Philosophy and Ethics (ENMA 480 preferred) | 3 |
| Human Creativity | 3 | Human Behavior | 3 |

YEAR 4 - SENIOR (27 CREDITS)

| FALL SEMESTER (15 credits) | | SPRING SEMESTER (12 credits) | |
|----------------------------------|---------------------|----------------------------------|---------------------|
| <u>Major Coursework:</u> | <u>Credit Hours</u> | <u>Major Coursework:</u> | <u>Credit Hours</u> |
| MAE 433 | 3 | MAE 435 | 3 |
| MAE 434W (C or better required) | 3 | MAE Option Course | 3 |
| MAE 436 | 3 | MAE Option Course | 3 |
| MAE Option Course | 3 | Upper-Division General Education | 3 |
| Upper-Division General Education | 3 | | |

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.