

2022 - 2023 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). As in Engineering recommended for ease of transfer.*

YEAR 1 - FRESHMAN (33 CREDITS)

FALL SEMESTER (16 credits)

<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>
MATH 211	MTH 173, 263, or 273*
CHEM 121N/122N	CHM 111*
ENGL 110C (C or better required)	ENG 111*
ENGN 110	EGR 120 or 121*
COMM 101R	CST 100, 105 or 110*

SPRING SEMESTER (17 credits)

<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>
MATH 212	MTH 174, 264, or 274*
MET 230	Dept. approval upon admission
PHYS 231N	PHY 231 or 241*
CS 150 or ENGN 150	ITP 132, EGR 125 or EGR 126*
MAE 111	EGR 122 and completed AS in Engineering*

YEAR 2 - SOPHOMORE (34 CREDITS)

FALL SEMESTER (18 credits)

<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>
PHYS 232N	PHY 232 or 242*
MATH 312 (285)	MATH 265, 275 or 277*
MAE 204	EGR 140 or 240*
MAE 201	
MAE 203 (1 credit)	
ENGL 211C or 231C (C or better required)	ENG 112, 115 or 131*

SPRING SEMESTER (16 credits)

<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>
MAE 205	EGR 245*
MAE 220	EGR 246*
MAE 225 (1 credit)	EGR 247*
MATH 307 (280)	MTH 267, 279 or 291*
STAT 330	MTH 283*
Interpreting the Past	Transfer Equivalency Guide

YEAR 3 - JUNIOR (34 CREDITS)

FALL SEMESTER (16 credits)

<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>
MAE 303	
MAE 305 (1 credit)	
MAE 311	
MAE 340	
Literature	Transfer Equivalency Guide
Human Creativity	Transfer Equivalency Guide

SPRING SEMESTER (18 credits)

<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>
MAE 312	
MAE 332	
MAE 336	
MAE 315	
Philosophy and Ethics (ENMA 480 preferred)	Transfer Equivalency Guide
Human Behavior	Transfer Equivalency Guide

YEAR 4 - SENIOR (27 CREDITS)

FALL SEMESTER (15 credits)

<u>Major Coursework:</u>	<u>VCCS Equivalency:</u>
MAE 433	
MAE 434W (C or better required)	
MAE 436	
MAE Option Course	
Upper-Division General Education	

SPRING SEMESTER (12 credits)

<u>Major Coursework:</u>	<u>VCCS Equivalency:</u>
MAE 435	
MAE Option Course	
MAE Option Course	
Upper-Division General Education	

TOTAL CREDIT HOURS: 128

The four-year plan is a suggested curriculum to complete this degree program in four years. It is just one of several plans that will work and is presented only as broad guidance to students. Each student is strongly encouraged to develop a customized plan in consultation with their academic advisor. Additional information can also be found in Degree Works.

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

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.