

2014 - 2015 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.*

YEAR 1 - FRESHMAN (33 CREDITS)

FALL SEMESTER (16 credits)		SPRING SEMESTER (17 credits)	
<u>General Education Coursework:</u>	<u>VCCS Equivalency:</u>	<u>General Education Coursework:</u>	<u>VCCS Equivalency:</u>
MATH 211	MTH 173 or 273*	MATH 212	MTH 174 or 274*
CHEM 121N/122N	CHM 111*	CHEM 123N	CHM 112*
ENGL 110C (C or better required)	ENG 111*	PHYS 231N	PHY 231 or 241*
ENGN 110	EGR 120*	CS 150	CSC 201, EGR 125 or EGR 126*
COMM 101R	CST 100, 105 or 110*	MAE 111	See Monarch Transformation to ensure your institution's course will transfer.
			Dept. approval upon admission

YEAR 2 - SOPHOMORE (34 CREDITS)

FALL SEMESTER (18 credits)		SPRING SEMESTER (16 credits)	
<u>General Education Coursework:</u>	<u>VCCS Equivalency:</u>	<u>General Education Coursework:</u>	<u>VCCS Equivalency:</u>
PHYS 232N	PHY 232 or 242*	MAE 205	EGR 245*
MATH 312	MTH 275 or 277*	MAE 220	EGR 246*
MAE 204	EGR 140*	MAE 225 (1 credit)	
MAE 201		MATH 307	MTH 279 or 291*
MAE 203 (1 credit)		ENGL 231C (C or better required)	ENG 115 or 131*
MET 120	CAD 114, 115, 151, 152, 201, 202, 203 or 231*	Interpreting the Past	See Transfer Guide

YEAR 3 - JUNIOR (32 CREDITS)

FALL SEMESTER (16 credits)		SPRING SEMESTER (16 credits)	
<u>Major Coursework:</u>	<u>VCCS Equivalency:</u>	<u>Major Coursework:</u>	<u>VCCS Equivalency:</u>
MAE 303***		MAE 312	
MAE 305 (1 credit)		MAE 332	
MAE 311		MAE 315	
MAE 340		ENGN 401 (1 credit)	
Literature	See Transfer Guide	Philosophy and Ethics (ENMA 480 preferred)	See Transfer Guide
Human Creativity	See Transfer Guide	Human Behavior	See Transfer Guide

YEAR 4 - SENIOR (30 CREDITS)

FALL SEMESTER (15 credits)		SPRING SEMESTER (12 credits)	
<u>Major Coursework:</u>	<u>VCCS Equivalency:</u>	<u>Major Coursework:</u>	<u>VCCS Equivalency:</u>
MAE 433		MAE 435	
MAE 434W (C or better required)		MAE Option Course	
MAE 436		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.