

Bachelor of Science in Mechanical Engineering

2008-2009 Old Dominion University Catalog

NAME: _____

UIN: _____

TELEPHONE: _____

Students earning the AS, AA, or AA&S degree from a Virginia Community College automatically satisfy the lower division general education requirements. **Courses marked with * require a grade of C or better to transfer, even with the AS degree. The remaining lower division courses are automatically satisfied by the AS (including foreign language), regardless of the grade earned.** Additionally, courses in which a grade of C- or below was earned will not transfer. Therefore Community College degree holders who satisfy lower general education may require additional credits to meet the 120 credit hour graduation minimum. A minimum overall GPA of 2.00 is required to graduate. (AS=Associate Degree)

Entrance Writing Sample Placement Test: _____

Course Number	Course Title	Credits	VCCS	Transfer
<u>Freshman First Semester</u> (16 Credit Hours)				
MATH 211	Calculus I	_____ 4	<u>MTH 173, 273*</u>	
CHEM 115N	Foundations of Chemistry	_____ 4	<u>CHM 111*</u>	
ENGL 110C	English Composition	_____ 3	<u>SEE Transfer Guide*</u>	
ENGN 110	Explore Engr & Tech I	_____ 2	<u>EGR 120*</u>	
Gen Ed Social Science	Social Science Perspective	_____ 3	<u>See Transfer guide</u>	
<u>Freshman Second Semester</u> (17 Credit Hours)				
MATH 212	Calculus II	_____ 4	<u>MTH 174, 274*</u>	
CHEM 117	Foundations of Chemistry	_____ 3	<u>CHM 112*</u>	
PHYS 231N	University Physics I	_____ 4	<u>PHY 231, 241*</u>	
CS 150	Introduction to Programming	_____ 4	<u>CSC 202, 210*</u>	
ENGN 111	Explore Engr & Tech II	_____ 2	_____*	
<u>Sophomore First Semester</u> (18 Credit Hours)				
PHYS 232N	University Physics II	_____ 4	<u>PHY 232, 242*</u>	
MATH 312 (MATH 285)	Calculus III	_____ 4	<u>MTH 275, 277*</u>	
ME 204	Engineering Mechanics I Statics	_____ 3	<u>EGR 140*</u>	
ME 201	Materials Science	_____ 3	_____	
ME 203	ME Lab I-Materials	_____ 1	_____	
MET 120	Computer Aided Drafting	_____ 3	<u>DRF 201</u>	
<u>Sophomore Second Semester</u> (16 Credit Hours)				
ME 205	Dynamics	_____ 3	<u>EGR 245*</u>	
ME 220	Engr Mechs II-Solid Mechs	_____ 3	<u>EGR 246*</u>	
ME 225	ME Lab II-Solid Mechanics	_____ 1	<u>EGR 247*</u>	
MATH 307 (MATH 280)	Differential Equations	_____ 3	<u>MTH 279, 291*</u>	
ENGL 131C	Tech/Scientific Writing	_____ 3	<u>SEE Transfer Guide*</u>	
Gen Ed-H	History Perspective	_____ 3	<u>See Transfer guide</u>	
<u>Junior First Semester</u> (13 Credit Hours)				
ME 311	Thermodynamics I	_____ 3	_____	
ME 303	Mechanics of Fluids	_____ 3	_____	
ME 305	ME Lab III-Thermo/Fluids	_____ 1	_____	
ME 340	Computational Methods in ME	_____ 3	_____	
Gen Ed-A	Fine & Performing Arts Perspective	_____ 3	<u>See Transfer guide</u>	
<u>Junior Second Semester</u> (16 Credit Hours)				
ME 312	Thermodynamics II	_____ 3	_____	
ME 332	Mechanical Engineering Design I	_____ 3	_____	
ME 315	Heat and Mass Transfer	_____ 3	_____	
ENGN 401	FE Review	_____ 1	_____	
Gen Ed P	Philosophy Perspective	_____ 3	<u>See Transfer guide</u>	
Gen Ed L	Literature Perspective	_____ 3	<u>See Transfer guide</u>	
<u>Senior First Semester</u> (15 Credit Hours)				
ME 434W (Meets oral communication requirement)	Project Design and Management I	_____ 3	_____	
ME 433	Mechanical Engineering Design II	_____ 3	_____	
ME 436	Dynamic Systems & Control	_____ 3	_____	
ME	Option	_____ 3	_____	
Gen Ed	Upper Division Cluster	_____ 3	_____	
<u>Senior First Semester</u> (15 Credit Hours)				
ME 435	Project Design and Management II	_____ 3	_____	
ME	Options (two)	_____ 6	_____	
Gen Ed	Upper Division Cluster	_____ 6	_____	
Total Credits		126		

Additional Graduation Requirements:

Foreign Language Requirement: _____ Senior Assessment: _____

Application for Graduation: _____ Passage of Exit Writing Exam _____

This curriculum does not include the University's foreign language general education requirement. Students may need additional hours to meet this perspective. The computer literacy requirement is met through the major courses; ME 434W meets the general education oral communication requirement, and the technology requirement is met through the major.