

**Bachelor of Science in Mechanical Engineering**

2009-2010 Old Dominion University Catalog

NAME: \_\_\_\_\_

UIN: \_\_\_\_\_

TELEPHONE: \_\_\_\_\_

**Entrance Writing Sample Placement Test:** \_\_\_\_\_

<b>Course Number</b>	<b>Course Title</b>	<b>Credits</b>	<b>Transfer</b>
<b>Freshman First Semester</b> (16 Credit Hours)			
MATH 211	Calculus I	_____ 4	_____
CHEM 115N	Foundations of Chemistry	_____ 4	_____
ENGL 110C	English Composition	_____ 3	_____
ENGN 110	Explore Engr & Tech I	_____ 2	_____
Gen Ed: Fine/Performing Arts Perspective		_____ 3	_____
<b>Freshman Second Semester</b> (17 Credit Hours)			
MATH 212	Calculus II	_____ 4	_____
CHEM 117	Foundations of Chemistry	_____ 3	_____
PHYS 231N	University Physics I	_____ 4	_____
CS 150	Introduction to Programming	_____ 4	_____
ENGN 111	Explore Engr & Tech II	_____ 2	_____
<b>Sophomore First Semester</b> (18 Credit Hours)			
PHYS 232N	University Physics II	_____ 4	_____
MATH 312 (MATH 285)	Calculus III	_____ 4	_____
ME 204	Engineering Mechanics I Statics	_____ 3	_____
ME 201	Materials Science	_____ 3	_____
ME 203	ME Lab I-Materials	_____ 1	_____
MET 120	Computer Aided Drafting	_____ 3	_____
<b>Sophomore Second Semester</b> (16 Credit Hours)			
ME 205	Dynamics	_____ 3	_____
ME 220	Engr Mechs II-Solid Mechs	_____ 3	_____
ME 225	ME Lab II-Solid Mechanics	_____ 1	_____
MATH 307 (MATH 280)	Differential Equations	_____ 3	_____
ENGL 131C	Tech/Scientific Writing	_____ 3	_____
Gen Ed: History Perspective		_____ 3	_____
<b>Junior First Semester</b> (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: Literature Perspective		_____ 3	_____
<b>Junior Second Semester</b> (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: Social Science Perspective		_____ 3	_____
Gen Ed: Philosophy Perspective		_____ 3	_____
<b>Senior First Semester</b> (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 Course	_____ 3	_____
<b>Senior First Semester</b> (15 Credit Hours)			
ME 435	Project Design and Management II	_____ 3	_____
ME	Options (two)	_____ 6	_____
Gen Ed	Upper Division Course	_____ 3	_____
<b>Total Credits</b>		<b>123</b>	

**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.