

**Bachelor of Science in Mechanical Engineering**

2006-2008 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 AC-A 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:** \_\_\_\_\_

<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	*
Social Science Perspective (GEN 101 may be used)		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 100	Engineering Graphics	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	*
Philosophy Perspective (GEN 101 may be used)		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	
History Perspective (GEN 101 may be used)		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	
Literature Perspective (GEN 101 may be used)		3	
Fine and Performing Arts Perspective (GEN 101 may be used)		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	
General Education	Upper Division Cluster	3	
<b>Senior First Semester</b> (15 Credit Hours)			
ME 435	Project Design and Management II	3	
ME	Options (two)	6	
General Education	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.

