

**Bachelor of Science in Mechanical Engineering**

2002-04 Old Dominion University Catalog

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

SS#: \_\_\_\_\_

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		_____ 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	Calculus III	_____ 4	_____ *
ME 204	Engineering Mechanics I Statics	_____ 3	_____ *
ME 201	Materials Science	_____ 3	_____
ME 203	ME Lab I-Materials	_____ 1	_____
ME 100	Comp-Aided 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 307U	Differential Equations	_____ 3	_____ *
ENGL 131C	Tech/Scientific Writing	_____ 3	_____ *
Philosophy 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	_____
History 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	_____
Literature Perspective		_____ 3	_____
Fine and Performing Arts 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	_____
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		125	

**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.

