

**CURRICULUM FOR BACHELOR OF SCIENCE
IN MECHANICAL ENGINEERING
Fall 2007
130 Hours Required for Graduation**

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FIRST YEAR			
FALL SEMESTER		SPRING SEMESTER	
Course #	Cr	Course #	Cr
CHEM 121L: General Chemistry	4	CHEM 122L: Gen Chemistry	4
MATH 162L: Calculus I	4	MATH 163: Calculus II	4
ME 160L: Mech Eng Design I	3	PHYS 160: General Physics	3
		CS 151L: Comp ProFund/Lab	3
Total	17	Total	17
SECOND YEAR			
FALL SEMESTER		SPRING SEMESTER	
Course #	Cr	Course #	Cr
ME 260L: Mech Eng Design II	3	ME 306: Dynamics	3
CE 202: Engineering Statics	3	EECE 203L: Circuit Analysis I	3
PHYS 161: General Physics	3	MATH 316: Applied Ord Diff Eq	3
MATH 264L: Calculus III	4	ME 318L: Mechanical Eng Lab	4
Total	16	Total	16
THIRD YEAR			
FALL SEMESTER		SPRING SEMESTER	
Course #	Cr	Course #	Cr
MATH 317L: Fluid Mechanics Lab	4	ME 302: or ME 314 Thermo II/Design	3
ME 301: Thermodynamics	3	ME 360L: Mechanical Engr Design III	3
CE 302: Mechanics of Materials	3	ME 357: Intro to Mech Vibrations	3
Math Elective	3	ME 370: Eng Materials Sci	4
Total	16	Total	16
FOURTH YEAR			
FALL SEMESTER		SPRING SEMESTER	
Course #	Cr	Course #	Cr
ME 320L: Heat Transfer	4	ME 460: Mech Engr Design V	4
ME 459: Mech Eng Design IV	3	Technical Elective	3
ME 380: Analysis / Design Mech	3	ME Technical Elective	3
ME Engineering Science Elective	3	ME Eng Science Elective	3
Total	16	Total	16

1. A list of acceptable courses to fulfill the core curriculum requirements is available from the Mechanical Engineering Department.
2. Math Elective course must be selected from Math 311, 312, 313, 314, 321, or Statistics 345
3. Students admitted or re-admitted to the Mechanical Engineering Department the Fall semester of 1998 or later are required to take the Fundamentals of Engineering (FE) Exam during their Senior year.
4. "Mechanical Engineering Science Electives" includes all ME elective courses 300 level and above except for ME 304, ME 366, ME 455, ME456, ME463, ME 484, ME 485, ME 488, ME 461/461 Aero Design, or ME 461/462 FSAE. Undergraduate problems, ME 451/452 must be approved by the ME Undergraduate Advisor to be used as a ME Science Elective.
5. "Mechanical Engineering Technical Electives" include all Mechanical Engineering elective courses 300 and above except for ME 304.
6. "Technical Elective" may be selected from the ME technical or science electives or from appropriate upper division (300 level and above) courses from Math/Statistics, Chemistry Physics, Computer Science and Engineering. Technical Electives may not be taken on the CR/NC grading option.

To comply with the ADA and Rehabilitation Act of 1973, persons having special needs and requiring auxiliary aid or service may contact the Department of Mechanical Engineering.

PREMAJOR ADMISSION

If you have not completed all the course requirements for Department Admission, you may be eligible for PreMajor Admission. If you have completed Math 150 (Pre-Calculus) and Math 123 (Trigonometry) or Math 162 (Calculus), please speak with an academic advisor in the Engineering Student Programs Office, Room 133, ECE Building.

DEPARTMENT ADMISSION

18 credit hours from the following list of courses with a GPA of at least 2.50 and a grade of C- or better in each course. Also, you must have completed at least 26 hours of acceptable credit towards your degree.

Math 162	Chem 121L
Math 163	Chem 122L
Phys 160	ME 160L (3)
CS 151L / CE491 (3)	

NOTE: All students must see an advisor prior to registering each semester.