

Mechanical Engineering Curriculum by Semester

(Revised: March 2007)

<u>Semester 1</u> (1) ME 102: Mechanical Engr Orientation (3) MATH 191: Calculus & Analytic Geometry I (4) CHEM 111: General Chemistry I (2) MAE 159: Graphical Communication & Design (4) ENGL 111G: Rhetoric and Composition 14 credit hours	<u>Semester 2</u> (2) ME 166: Intro. to Mechanical Engr (3) MATH 192: Calculus & Analytic Geometry II (4) CHEM 112: General Chemistry II (3) ENGL 218G: Technical & Scientific Comm. (3) ME 222: Product Development/Laboratory (3) Approved Gen. Ed. Lit. & Fine Arts elective 18 credit hours
Total credit hours for Freshman Year: 32	
<u>Semester 3</u> (3) ME 260: Mechanical Engineering Problem Solving (3) MATH 291: Calculus & Analytic Geometry III (3) PHYS 215: Engr Physics I (3) EE 201: Networks (3) ME 236: Engr Mechanics I (3) COMM 265G: Principles of Human Comm. 18 credit hours	<u>Semester 4</u> (3) MATH 392: Differential Equations (3) Physics 216: Engr Physics II (3) ME 237: Engr Mechanics II (3) ME 240: Thermodynamics (3) CE301: Mechanics of Materials 15 credit hours
Total credit hours for Sophomore Year: 33	
<u>Semester 5</u> (3) ME 338: Fluids (3) ME elective (3) ME 328: Engr Analysis I (3) ME 340: Applied Thermodynamics (3) ECON 251 or 252G: Macro- or Micro-economics (3) History elective 18 credit hours	<u>Semester 6</u> (3) ME 326 Mechanical Design (3) ME 341: Heat Transfer (3) CHE 361: Materials (3) ME 345: Instrumentation Lab (3) Human Thought & Behavior elective 15 credit hours
Total credit hours for Junior Year: 33	
<u>Semester 7</u> (3) ME 425: Machine Elements (3) ME 426: Capstone Design Lab I (3) ME 445: Experimental Methods Lab (Thermo/Fluids/Heat) (3) ME 329: Engr Analysis II (3) General Education - Human Thought and Behavior elective (1) ME 449: Senior Seminar 16 credit hours	<u>Semester 8</u> (3) ME elective (3) ME elective (3) ME 427: Capstone Design Lab II (3) Mathematics elective (3) General Education - Viewing a Wider World elective 15 credit hours
Total credit hours for Senior Year: 31	
Total credit hours for Graduation: 129	