Mechanical Engineering - Pre-professional Courses

C or better to pass

All three GPA’s must be 2.25 or higher to progress to professional program.

v. 3-6-2013
# 2013-2014 B.S. in Mechanical Engineering

## Mechanical Engineering - Professional Courses

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### Prerequisites

- MAE 2381 Exp. Meth. & Mea
- CHEM 1465
- MAE 3310 Thermodyn. I
- MAE 3360 Eng. Analysis
- MATH330 Matrices and Linear Algebra
- EE 2320 Circuits
- MAE 2323 Dynamics
- MAE 2312 Solid Mech.
- MAE 3324 Materials

### Junior

**1st Semester**
- MAE 3311 Thermodynamics II

**2nd Semester**
- MAE 3314 Heat Transfer
- MAE 3319 Dyn. Sys. Modeling & Simulation
- MAE 3318 Kin. Dyn. of Machines
- MAE 3242 Mech. Design I
- HIST 1311 U.S. History to 1865
- COMS 2302 Prof. & Tech. Communication

### Senior

**1st Semester**
- Tech. Elective I 3 Hrs
- MAE 3183 Meas. Lab II
- MAE 4344 Comp. Aided Eng.
- MAE 4287 Design Project I
- MAE 4342 Mech. Design II
- ENGL Literature Elective
- Fine Arts Elective 3 Hrs

**2nd Semester**
- Tech. Elective II 3 Hrs
- Tech. Elective III 3 Hrs
- MAE 4310 Auto. Control
- MAE 4188 Design Project II
- Fine Arts Elective 3 Hrs

* Texas Common Course Number equivalents and allowed substitutions

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