B.S. in Mechanical Engineering 2012-2013

Mechanical Engineering - Pre-professional Courses

Prerequisite or Concurrent Enrollment

C or better to pass

* Tarrant County College Equivalent Course

** Dallas County Community College Equivalent Course

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

Updated Feb 27, 2012
**Prerequisite** or **Concurrent Enrollment**

* **Tarrant County College Equivalent Course**

** Dallas County Community College Equivalent Course**

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**B.S. in Mechanical Engineering**

**2012-2013**

**Mechanical Engineering - Professional Courses**

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**Prerequisites**

- MAE 3310 Thermodyn. I
- MAE 3360 Eng. Analysis
- CHEM 1465
- MATH3350 Matrices and Linear Algebra
- EE 2320 Circuits
- MAE 2323 Dynamics
- MAE 2312 Solid Mech.
- MAE 3324 Materials
- MAE 2381 Exp. Meth. & Mea

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**Junior 1st Semester**

- MAE 2314 Fluid Mech. I
- MAE 3311 Thermodynamics II
- MAE 3318 Kim. Dyn. of Machines
- MAE 3242 Mech. Design I
- HIST 1311 U.S. History to 1865
- **COMS 2302 Prof. & Tech. Communication**
  - **see advisor**

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**Junior 2nd Semester**

- MAE 3314 Heat Transfer
- MAE 3339 Dyn. Sys. Modeling & Simulation
- ECON 2305 Macro Economics
- **HIST 1312 U.S. History since 1865**
  - **see advisor**
  - **GOVT 2302**

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**Senior 1st Semester**

- MAE 4287 Design Project I
- Tech. Elective I 3 Hrs
- MAE 4344 Comp. Aided Eng.
- MAE 4342 Mech. Design II
- MAE 3183 Meas. Lab II
- **POLS 2311 U.S. Gov.**
  - **GOVT 2306**
  - **GOVE 2301**

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**Senior 2nd Semester**

- MAE 4188 Design Project II
- Tech. Elective II 3 Hrs
- MAE 4310 Auto. Control
- Tech. Elective III 3 Hrs
- ENGL Literature Elective
  - **see advisor**
- Fine Arts Elective 3 Hrs
  - **see advisor**