This guide is provided to assist in planning to meet the requirements for the BSME degree as set forth in the UT Arlington undergraduate catalog. The catalog is the final authority.
**Professional Courses**

Admission to the professional program required.

- **Prerequisite**
- **Prerequisite or Concurrent Enrollment**

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**Junior 1st Semester**
18 hrs

- MAE 3242 Mech. Design I
- MAE 3181 Maths and struct lab
- MAE 3318 Kine & Dyn
- MAE 2314 Fluid Mech. I
- MAE 3311 Thermodynamics II

**Junior 2nd Semester**
18 hrs

- MAE 4344 Comp. Aided Eng.
- MAE 3314 Heat Transfer
- MAE 3319 Dyn. Sys. Modeling & Simulation

**Senior 1st Semester**
15 hrs

- MAE 4287 Design Project I
- MAE 4342 Mech. Design II
- Tech. Elective I 3 Hrs
- MAE 3183 Meas. Lab II
- MAE 4310 Auto. Control

**Senior 2nd Semester**
16 hrs

- MAE 4388 Design Project II
- Tech. Elective II 3 Hrs
- Tech. Elective III 3 Hrs
- MAE 4310 Auto. Control

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**General Education Courses**

- HIST 1311 U.S. History to 1865
  - HIST 1301
- HIST 1312 U.S. History since 1865
  - HIST 1302
- COMS 2302 Prof. & Tech. Communication
- POLS 2311 U.S. Gov.
  - GOVT 2305
  - GOVE 2302

- Social Science Elective
  - IE 2308
  - ECON 2305
- Language/Phil/Culture Elective
- Creative Arts Elective
  - **note 1**

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**Prerequisites**

- MAE 3324 Materials
- MAE 2312 Solid Mechanics
- MAE 2381 Exp. Meth. & Mea
- MAE 2323 Dynamics
- MAE 3360 Eng. Analysis
- MAE 3310 Thermodyn. I
- MAE 3311 Matrices and Linear Algebra
- EE 2320 Circuits

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**Notes**

- **note 1.** Any UTA course which satisfies the UTA core curriculum for the Language/Phil/Culture or Creative Arts subject area is accepted for the Fall 2015 and 2016 ME degree plans. Many have TCCN equivalents. See UTA MAE advisor if needed.

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Catalog: Fall 2015 - Fall 2017

B.S. in Mechanical Engineering

- Texas Common Course Number equivalents and allowed substitutions
- Admission to the professional program required.