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.

Pre-professional Courses

**Catalog: Fall 2019   B.S. in Mechanical Engineering**

**Name:**

**ID:** 100 __________

**Freshman 1st Semester 15 hrs**

- **UNIV 1131 or ENGR 1101** See note 1
- **Engr 1250 Engr Prob Solv**
- **MAE 1107 Intro. to ME**
- **MATH 1426 Calc. I**
  * **MATH 2413**
- **CHEM 1405 Chem. with lab**
  * **CHEM 1411 & 1412**
- **ENGL 1301 Reading & Writing I**
  * **ENGL 1301**

**Notation:**

- **→** Prerequisite
- **←** Prerequisite or Concurrent Enrollment

**Freshman 2nd Semester 14 hrs**

- **Foreign Language**
  - High school
  - Int'l ESL College
- **High school Int'l ESL College**
- **MAE 1312 Eng. Statics**
  * **ENGR 2301**
- **PHYS 1443 Tech. Phys I with lab**
  * **PHYS 2425**
- **MATH 2425 Calc. II**
  * **MATH 2414**
- **MAE 2360 Num. Anal. & Prog.**
- **MAE 1351 Eng. Design**

**Sophomore 1st Semester 16 hrs**

- **MAE 1312 Eng. Statics**
  * **ENGR 2301**
- **PHYS 1444 Tech. Phys II with lab**
  * **PHYS 2426**
- **MATH 2326 Calc III**
  * **MATH 2415**
- **MATH 3330 Intro. to Matrices and Linear Algebra**
- **MAE 2381 Exp. Meth. & Meas.**
- **EE 2320 Circuit Analysis**
  * See note 2

**Sophomore 2nd Semester 18 hrs**

- **MAE 2312 Solid Mechanics**
- **MAE 2323 Dynamics**
  * **ENGR 2302**
- **MAE 3324 Struct/prop Matls**
- **MAE 3310 Thermo I**
- **MAE 3316 Eng. Analysis**
- **EE 2320 Circuit Analysis**
  * See note 2

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*Texas Common Course Number (TCCN) equivalents. Students may transfer all courses shown with TCCN equivalents.*

**Note 1:** Students admitted as Freshmen must take UNIV 1131, Students admitted as Transfer must take ENGR 1101.

**Note 2:** Beginning with the Fall 2018 catalog, TCCN course numbers ENGR 2305 and ENGR 2332 will be transferred toward the ME degree plan. ENGR 2305 will substitute for EE 2320 in the ME degree plan.
Note 3. Any UTA course which satisfies the UTA core curriculum for the Language/Phil/Culture or Creative Arts subject area is accepted. Many have TCCN equivalents. See UTA MAE advisor.