BS – Mechanical Engineering (SC-BM/ME)

2024 Catalog Year: College of Science and Engineering

**Freshman**

- **Fall semester**
  - ME 1201 (F,S) Intro to Digital ME (Check Prerequisites)
  - CHEM 1335+1135 (F,S,Su) Engineering Chemistry II Lab
  - PHYS 2425 (F,S) Mechanical Engineering
- **Spring semester**
  - ME 1101 (F,S) Intro to Digital ME Lab (Check Prerequisites)
  - ENGR 1304 (F,S) Engineering Design Graphics
  - MATH 2471 (F,S) Calculus I

**Sophomore**

- **Fall semester**
  - ENGR 2300 (F,S) Mechanics of Materials
  - PHYS 2215 (F,S) Engineering Mechanics
  - MATH 2472 (F,S) Calculus II
- **Spring semester**
  - ENGR 3373 (F,S) Circuits & Devices
  - PHYS 2326 (F,S) Electricity & Magnetism
  - MATH 2393 (F,S) Calculus III

**Junior**

- **Fall semester**
  - ME 3361 (F,S) Introduction to Systems Engineering
  - ME 3330 (F,S) Engineering Thermodynamics
  - MATH 3376 (F,S) Applied Linear Algebra
- **Spring semester**
  - ME 3351 (F,S) CAD and Digital Manufacturing
  - ENGR 2302 (F,S) Dynamics
  - MATH 3337 (F,S) Numerical Analysis

**Senior**

- **Fall semester**
  - ME 3151 (F,S) Smart Instrumentation and Measurement Lab
  - ENGR 3400 (F,S) Engineering Fluid Mechanics
  - MATH 3335 (F,S) Control Systems
- **Spring semester**
  - ME 4351 (F,S) Mechanical Engineering Design I
  - ENGR 3311 (F,S) Mechanical Behavior of Materials
  - MATH 3334 (F,S) Heat Transfer

9 hours of ME Technical Electives from:
- Prerequisites vary, consult catalog

**Course offerings may vary. Earliest projected graduation date is Spring 2026.**

This is not an official degree audit and it is subject to change. This chart is intended to be used by students who start out at Texas State. Please contact the College of Science and Engineering Undergraduate Advising Center for advisement.

**Note:** In addition to major courses, students must also complete all core and minor requirements (if applicable) and any other requirements for graduation.

**Key:**
- Arrows indicate prerequisites.
- Arrows with dotted lines indicate co-requisites.
- Arrows with dash lines are recommended prerequisites.

Courses taught in specific semesters are indicated with the following codes:
- F: Fall
- S: Spring
- Su: Summer Session I or II

Required WI courses: ME 3361, ME 4390, ME 4391

ME elective WI courses: TECH 4330

Core courses must be completed:
- 6 credits Core 010
- 9 credits Core 020
- 3 credits Core 030
- 3 credits Core 040
- 3 credits Core 050
- 6 credits Core 060
- 6 credits Core 070
- 3 credits Core 080
- 6 credits Core 090
- 9 credits Core 110

US 1100 may be required for some students. Consult with an advisor regarding course choices.

**Previous:**
-要求课程：MATH 2414（修MATH 2417或2472或2393）
-必须完成ENGR 1304

**Check Prerequisites:**
- Arrow indicates prerequisites.