2017 Catalog year: College of Science and Engineering

Freshman Fall semester: 
- CHEM 1335 (F,S) Engineering Chemistry & CHEM 1141 (F,S,Su) General Chemistry I lab
- PHYS 1430 (F,S) Mechanics
- MATH 2471 (F,S,Su) Calculus I

Freshman Spring semester: 
- CHEM 1335 (F,S) Engineering Chemistry & CHEM 1141 (F,S,Su) General Chemistry I lab
- ENGR 2300 (F,S) Materials Engineering
- PHYS 2425 (F,S) Electricity & Magnetism
- MATH 2472 (F,S,Su) Calculus II

Sophomore Fall semester: 
- CS 1428 (F,S,Su) Foundations of Computer Science I
- EE 2420 (F,S) Digital Logic
- MATH 3373 (F,S,Su) Calculus III
- PHYS 2435 (F,S) Waves & Heat
- EE 2400 (F,S,Su) Circuits I
- MATH 3323 (F,S,Su) Differential Equation

Sophomore Spring semester: 
- EE 2420 (F,S,Su) Digital Logic
- ENGR 3375 (F,S) Engineering Mechanics
- MATH 3377 (F,S,Su) Linear Algebra
- PHYS 3373 (F,S,Su) Mechanics
- EE 3340 (F,S) Electromagnetics
- MATH 3323 (F,S,Su) Differential Equation
- EE 3320 (F,S) Engineering Statistics
- MATH 3323 (F,S,Su) Differential Equation

Junior Fall semester: 
- EE 3420 (F,S,Su) Microprocessors
- MFGE 4392 (F,S) Microelectronics Manufacturing I
- EE 3355 (F,S) Solid State Devices
- EE 3370 (F,S) Signals & Systems

Junior Spring semester: 
- MFGE 4392 (F,S) Microelectronics Manufacturing I
- EE 3355 (F,S) Solid State Devices
- EE 3370 (F,S) Signals & Systems

Senior Fall semester: 
- ENGR 3315 (F,S) Engineering Economic Analysis
- EE 4350 (F,S) Electronics II
- EE 4390 (F,S) Electrical Engineering Design I
- EE 4355 (F) or MFGE 4394 (F,S)

Senior Spring semester: 
- EE 4355 (F) or MFGE 4394 (F,S)
- EE 4391 (F,S) Electrical Engineering Design II

**Core courses must be completed:**
- US 1100
- COMM 1310
- PHIL 1305 or 1320
- ENG 1310
- ENG 1320
- ENG 2310-2360
- HIST 1310
- HIST 1320
- ART/DAN/MU/TH 2313
- POSI 2310
- POSI 2320
- ECO 2301 or ECO 2314

US 1100 & ENG 1310 recommended for first semester. HIST 1310/1320 not recommended for first semester.

**All prerequisite courses must be completed with C or higher.**

**Key:**
- Arrows indicate prerequisites.
- Arrows with dotted lines indicate co-requisites.
- Arrows with dash lines are recommended prerequisites.
- Courses taught specific semesters are indicated with the following codes:
  - F-Fall
  - S-Spring
  - Su-Summer Session I or II

Required WI courses: EE 3420, 4390, 4391

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

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 Undergraduate Advising Center for advising.