BS – Electrical Engineering: Computer Engineering (SC-BSE/EE/CENG)

2018 Catalog year: College of Science and Engineering

Freshman Fall semester
- CS 1428 (F,Su)
  Foundations of Computer Science I
- EE 2420 (F,S)
  Digital Logic
- CS 2308
  Foundations of Computer Science II
- CHEM 1335 (F,S)
  & CHEM 1141 (F,Su)
  General Chemistry I
- MATH 2471 (F,Su)
  Calculus I
- MATH 2472 (F,Su)
  Calculus II

Freshman Spring semester
- PHYS 1430 (F,S)
  Mechanics
- PHYS 2425 (F,S)
  Electricity & Magnetism
- MATH 2358 (F,Su)
  Discrete Math I
- MATH 2373 (F,Su)
  Calculus III

Sophomore Fall semester
- EE 2400 (F,Su)
  Circuits I
- MATH 3323 (F,Su)
  Differential Equations

Sophomore Spring semester
- EE 3400 (F,Su)
  Circuits II
- MATH 3373 (F,Su)
  Calculus III

Junior Fall semester
- EE 3420 (F,Su)
  Microprocessors
- CS 3358 (F,Su)
  Data Structures
- EE 3350 (F,Su)
  Electronics I
- CS 3339 (F,Su)
  Computer Architecture

Junior Spring semester
- CS 4328
  Operating Systems
- EE 3370 (F,S)
  Signals & Systems
- EE 4350 (F,S)
  Electronics II
- EE 4390 (F,S)
  Electrical Engineering Design I

Senior Fall semester
- CS 3354 (F,Su)
  Intro to Object Oriented Design
- EE 3355
  Intro to Digital Signal Processing
- EE 3375
  Digital Logic
- EE 4352
  Intro to VLSI Design

Senior Spring semester
- EE 4391 (F,S)
  Electrical Engineering Design II
- EE 4372 (S)
  Communication Networks
  or CS 4310
  Computer Networks
  (check prerequisites)

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.

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 specific semesters are indicated with the following codes:
  - F-Fall
  - Su-Summer Session I or II
  - S-Spring
- Required WI courses: EE 3420, 4390, 4391
- Additional WI courses: CS 3398

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_
- _POS 2310_ 
- _POS 2320_ 
- _ECO 2301 or ECO 2314_

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