BS – Electrical Engineering: Computer Engineering

(SC-BS/EE/CENG) 2015 Catalog year: College of Science and Engineering

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.

All prerequisite courses must be completed with C or higher.

**Freshman Fall semester**
- CS 1428 (F,S,Su)
  Foundations of Computer Science I
- CHEM 1335 (F,S,Su)
  General Chemistry I
- PHYS 1430 (F,S)
  Mechanics
- MATH 2471 (F,S,Su)
  Calculus I

**Freshman Spring semester**
- EE 2420 or CS 2420 (F)
  Digital Logic
- PHYS 2425 (F,S)
  Electricity & Magnetism
- MATH 2472 (F,S,Su)
  Calculus II

**Sophomore Fall semester**
- MATH 2358 (F,S,Su)
  Discrete Math I
- EE 2400 (F,S,Su)
  Circuits I
- CHEM 1141 (F,S,Su)
  General Chemistry I

**Sophomore Spring semester**
- CS 2308
  Foundations of Computer Science II
- MATH 3358 (F,S,Su)
  Data Structures
- EE 3400 (F,S,Su)
  Circuits II
- PHYS 2437 (F,S)
  Electromagnetics

**Junior Fall semester**
- CS 3420 (F,S,Su)
  Microprocessors
- CS 3350 (F,S,Su)
  Electronics I
- MATH 3333
  Linear Algebra
- MATH 3373 (F,S,Su)
  Calculus III

**Junior Spring semester**
- CS 3328 (F,S,Su)
  Operating Systems
- CS 3339 (F,S,Su)
  Computer Architecture
- MATH 3377 (F,S,Su)
  Linear Algebra
- MATH 3371 (F,S,Su)
  Calculus II

**Senior Fall semester**
- EE 4321 (S)
  EE 4323 (S)
- CS 4332
- CS 4388

**Senior Spring semester**
- EE 4372 (S)
  Communication Networks
- CS 4310
  Computer Networks

**Core courses must be completed:**
- US 1100
- COMM 1310
- PHI 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.