BS – Electrical Engineering: Computer Engineering

(SC-BS/EE/CENG)

2024 Catalog year: College of Science and Engineering

Freshman Fall semester
- CS 1428 (F,S,Su)
  Foundations of Computer Science I
  TCCNS: COSC 1420/1220
  (Check Prerequisites)

Freshman Spring semester
- EE 2420 (F,S)
  Digital Logic

Sophomore Fall semester
- MATH 2358 (F,S,Su)
  Discrete Math I

Sophomore Spring semester
- EE 3420 (F,S)
  Microprocessors
- CS 3358 (F,S,Su)
  Data Structures

Junior Fall semester
- EE 3339 (F,S,Su)
  Computer Architecture

Junior Spring semester
- EE 4372 (F,S)
  Communication Networks

Senior Fall semester
- CS 3354 (F,S,Su)
  Intro to Object Oriented Design

Senior Spring semester
- EE 4377 (F,S)
  Intro to Digital Signal Processing

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

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

Additional WI courses: CS 3398

Required WI courses: EE 3420, 4390, 4391

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.

Max of 3 hours: ENGR 3190, ENGR 3290, ENGR 4395 (Check Prerequisites)

8 hours from:
- CS 3398
- CS 4332
- CS 4388
- EE 3326
- EE 3340
- EE 4321
- EE 4323
- EE 4332
- EE 4351
- EE 4353
- EE 4354
- EE 4356
- EE 4357
- EE 4358
- EE 4359
- EE 4360
- EE 4375
- EE 4380
- EE 4381
- EE 4382

All prerequisite courses must be completed with C or higher.

Additional WI courses: CS 3398

Required WI courses: EE 3420, 4390, 4391

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