BS – Electrical Engineering: Computer Engineering
(SC-BS/EE/CENG)
2017 Catalog year: College of Science and Engineering

Freshman Fall semester

CS 1428 (F,S,Su)
Foundations of Computer Science I

EE 2420 (F,S)
Digital Logic

EE 2400 (F,S,Su)
Circuits I

PHYS 1430 (F,S)
Mechanics

MATH 2358 (F,S,Su)
Discrete Math I

MATH 2471 (F,S,Su)
Calculus I

CHEM 1335 (F,S)
&
CHEM 1141 (F,S,Su)
General Chemistry I

Freshman Spring semester

EE 2400 (F,S,Su)
Circuits I

EE 3400 (F,S,Su)
Circuits II

PHYS 2425 (F,S)
Electrity & Magnetism

MATH 2472 (F,S,Su)
Calculus II

PHYS 2460 (F,S,Su)
Introduction to VLSI Design

Sophomore Fall semester

EE 3420 (F,S,Su)
Microprocessors

EE 3400 (F,S,Su)
Circuits II

MATH 3323 (F,S,Su)
Differential Equations

MATH 3373 (F,S,Su)
Calculus III

Sophomore Spring semester

EE 3390 (F,S,Su)
Computer Architecture

EE 3350 (F,S,Su)
Electronics I

MATH 3377 (F,S,Su)
Linear Algebra

MATH 3398 (S)
Introduction to Object Oriented Design

Junior Fall semester

EE 4328 (F,S,Su)
Operating Systems

EE 3370 (F,S)
Signals & Systems

EE 4350 (F,S)
Electrical Engineering Design I

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.

Junior Spring semester

CS 3354 (F,S,Su)
Intro to Object Oriented Design

CS 3390 (F,S,Su)
Electrical Engineering Design 1

EE 4377 (F,S)
Communication Networks

Senior Fall semester

EE 4390 (F,S)
Electrical Engineering Design 1

CS 4328
Operating Systems

EE 4391 (F,S)
Electrical Engineering Design 1

EE 4372 (S)
Communication Networks

Senior Spring semester

CS 4328
Operating Systems

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.

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
Additional WI courses: CS 3398