**BS- Computer Science (SC-BS/CS)**

2020 Catalog year: College of Science and Engineering

**Freshman Fall semester**
- MATH 2471 (F,S,Su) Calculus I

**Freshman Spring semester**
- MATH 2472 (F,S,Su) Calculus II

**Sophomore Fall semester**
- PHIL 1305 or 1320 Critical Thinking or Ethics and Society

**Sophomore Spring semester**
- MATH 2358 (F,S,Su) Discrete Math I
- CS 1428 (F,S,Su) Foundations of Computer Science I
- CS 2308 (F,S,Su) Foundations of Computer Science II
- ENG 1310 (F,S,Su) College Writing I
- COMM 1310 (F,S,Su) Fundamentals of Human Communication

**Junior Fall semester**
- MATH 3398 (F,S,Su) Computer Ethics
- MATH 3398 (F,S,Su) Software Engineering
- CS 2315 (F,S) Data Structures
- CS 2315 (F,S) Intro to Object-Oriented Design
- CS 3315 (F,S) Computer Architecture

**Junior Spring semester**
- 4 hours science from approved list
- 3 hours from: ENG 3313, ENG 3311, or ENG 3303 (recommended), ENG 2310-2360 (must be new course)

**Senior Fall semester**
- 8 hours of the same science from approved list
- 4 hours science from approved list
- MATH 3305 (F,S,Su) Probability & Statistics
- CS 3360 Computing Systems Fundamentals (First offered 2021)

**Senior Spring semester**
- Minor courses (as needed, see advisor)
- Elective courses (as needed, see advisor)

**Choose one project course:**
- (check prerequisites)
  - CS 4318 (S) Compiler Construction
  - CS 4326 (F,S) Human Factors
  - CS 4380 (F,S) Parallel Programming
  - CS 4398 (F,S) Software Engineering Project

**Core courses must be completed:**
- _US 1100_ __COMM 1310__ __PHIL 1305 or 1320_
- _ENG 1310_ __ENG 1320_ __ART/DAN/MU/TH 2313_
- _HIST 1310_ __HIST 1320_
- _POSI 2310_ __POSI 2320_
- _ANTH 1312/ECO 2301/ECO 2314/GEO 1310/PSY 1300/SOCI 1310_

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

**Additional notes:**
- 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.
- In addition to major courses, students must also complete all core and minor requirements (if applicable) and any other requirements for graduation.
- Arrows indicate prerequisites.
- Arrows with dotted lines indicate co-requisites.
- Arrows with dash lines are recommended prerequisite.
- Courses taught specific semesters are indicated with the following codes:
  - F-Fall
  - S-Spring
- Required WI courses: CS 2315, 3398
- Additional WI courses: CS 4326