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.
- Courses taught specific semesters are indicated with the following codes:
  - F: Fall
  - S: Spring
  - Su: Summer Session I or II
  - S-Spring: Summer Session I and II

**Core courses must be completed:**
- 6 credits Core 010
- 3 credits Core 020
- 6 credits Core 030
- 3 credits Core 040
- 3 credits Core 050
- 6 credits Core 060
- 6 credits Core 070
- 3 credits Core 080
- 3 credits Core 091
- 3 credits Core 092
- TXST options: ENG 1310, ENG 1320, ENG 1321, ENG 3303
- CS required course: MATH 2471
- CS required course: MATH 2472
- CS required course: COMM 1310
- CS required course: MATH 2358
- TSX options: ART 1312, ECO 2301, ECO 2314, GEO 1310, PSY 1300, SOCI 1310, CA 2351, PFW 1301
- US 1100 may be required for some students. Consult with an advisor regarding course choices.

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**Foundation Courses:**
- MATH 2471 (F,S,Su) Calculus I
- MATH 2472 (F,S,Su) Calculus II
- PHIL 1305 or 1320 (F,S,Su) Critical Thinking or Ethics and Society
- ENG 1310 (F,S,Su) College Writing I
- COMM 1310 (F,S,Su) Fundamentals of Human Communication
- CS 1428 (F,S,Su) Foundations of Computer Science I
- CS 2308 (F,S,Su) Foundations of Computer Science II
- CS 2318 (F,S,Su) Assembly Language
- CS 2315 (F,S) Computer Ethics
- CS 3358 (F,S,Su) Data Structures
- CS 3354 (F,S,Su) Intro to Object-Oriented Design
- CS 3359 (F,S,Su) Software Engineering
- CS 3339 (F,S,Su) Computer Architecture
- CS 3360 (F,S) Computing Systems Fundamentals
- CS 3398 (F,S,Su) Discrete Math II
- MATH 3398 (F,S,Su) Discrete Math I
- MATH 3305 (F,S,Su) Probability & Statistics

**Computer Science Major Courses:**
- CS 4326
- CS 4371 (F,S) Computer Systems Security
- CS 4398 (S,Su) Software Engineering Project
- CS 4399 (S)
- CS 4380 (F,S) Parallel Programming
- CS 4326 (F,S) Human Factors
- CS 4318 (F) Compiler Construction
- Choose one project course: (check prerequisites)
  - CS 4391 (F,S) Software Engineering Project
  - CS 4392 (F,S) Software Engineering Project

**Minor courses:**
- (as needed, see advisor)
- Additional WI courses: CS 4326
- Required WI courses: CS 2315, 3398
- Additional WI courses: CS 4326
- 3 hours CS advanced elective (check prerequisites)
- 3 hours CS advanced elective (check prerequisites)
- 3 hours CS advanced elective (check prerequisites)
- 3 hours CS advanced elective (check prerequisites)

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**Elective courses:**
- (as needed, see advisor)
- 4 hours science from approved list
- 8 hours of the same science from approved list
- 3 hours from:
  - ENG 3303 (F,S,Su) Technical Writing or ENG 3313** (S) Scientific Writing
  - MATH 2471
  - CS required course: MATH 2471

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**Required WI courses:**
- CS 2315, 3398
- Additional WI courses: CS 4326

**Additional WI courses:**
- 3 hours from:
  - ENG 3303 (F,S,Su) Technical Writing or ENG 3313** (S) Scientific Writing

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**Advising Note:**
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  - S-Spring: Summer Session I and II

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**Required WI courses:**
- CS 2315, 3398
- Additional WI courses: CS 4326