BS – Computer Science (Teacher Certification) (SC-BS/CS/T1F) 2015 Catalog year: College of Science and Engineering

**Freshman Fall semester**
- 4 hours science from approved list
- ENG 1310 College Writing I
- COMM 1310 Fundamentals of Human Communication
- CS 1428 (F,S,Su) Foundations of Computer Science I
- MATH 2471 (F,S,Su) Calculus I

**Freshman Spring semester**
- 4 hours science from approved list
- PHIL 1305 or 1320 Critical Thinking or Ethics and Society
- CS 2308 (F,S,Su) Foundations of Computer Science II
- MATH 2472 (F,S,Su) Calculus II

**Sophomore Fall semester**
- 4 hours science from approved list
- CS 2315 (F,S) Computer Ethics
- CS 2420 (F,S) Digital Logic
- MATH 2358 (F,S,Su) Discrete Math I

**Sophomore Spring semester**
- 4 hours science from approved list
- CS 3358 (F,S,Su) Data Structures
- MATH 3398 (F,S,Su) Discrete Math II
- MATH 3305 (F,S,Su) Calculus III

**Junior Fall semester**
- 3 hours from:
  - ENG 3311 (recommended)
  - ENG 3303, ENG 2310-2360 (must be new course)
- CS 3398 (F,S,Su) Software Engineering
- MATH 3325 Adolescence Growth & Development
  - 2.75+ overall GPA
  - Sophomore, Junior, Senior status
- CI 4332 Secondary Teaching: Curriculum and Technology
  - 2.75+ overall GPA
  - Sophomore, Junior, Senior status

**Junior Spring semester**
- 3 hour CS advanced elective (check prerequisites)
- CS 4354 (F,S,Su) Object-Oriented Design & Implementation
  - *CS 4354 will replace CS 4354 starting Fall 2016
- Elective hours (as needed, see advisor)

**Senior Fall semester**
- Choose one project course:
  - CS 3369 – Embedded Computer Systems
  - CS 4326 (F,S) – Human Factors
  - CS 4398 (S,Su) – Software Engineering Project
  - *CS 3369 replaced CS 3468
- CS 4354 (F,S,Su) Object-Oriented Design & Implementation
  - *CS 3354 will replace CS 4354 starting Fall 2016
- Block experience:
  - RDG 3323
  - CI 4332
  - CI 4370
  - Requires admittance into Teaching Program
  - CI 4332 and CI 3325 with a C or higher
  - 2.75+ overall GPA
  - Junior or senior classification
  - Application and approval to the block experience
  - EDST 4681 Student Teaching

**Senior Spring semester**

**KEY:**
- 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
  - Su-Summer Session I or II
- Required WI courses: CS 2315, 3398
- Additional WI courses: CS 4326, ENG 3303 or 3311

**Core courses must be completed:**
- __US 1100__
- __ENG 1310__
- __HIST 1310__
- __ART/DAN/MU/TH 2313__
- __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.

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.