



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.
- Arrows with dash lines are recommended prerequisite.
- Courses taught specific semesters are indicated with the following codes:
- F-Fall
- Su-Summer Session I or II
- S-Spring

Required WI courses: CS 2315, 3398
Additional WI courses: ENG 3313 or ENG 3303

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: See catalog for options
TXST options: PHIL 1305 or 1320
TXST options: ART 2313, DAN 2313, MU 2313, TH 2313
TXST options:[HIST 1310/2327/2381] and [HIST 1320/2328/2382]
TXST options: POSI 2310 & POSI 2320
TXST options: ANTH 1312, ECO 2301, ECO 2314, GEO 1310, PSY 1300, SOCI 1310, CA 2351, PFW 1301
CS required course: COMM 1310
CS required course: MATH 2472

US 1100 may be required for some students. Consult with an advisor regarding course choices.

Choose two computer engineering electives:

- CS 4310 Computer Networks (F,S)
- CS 4318 Compiler Construction (F)
- CS 4328 Operating Systems (F, S, Su)
- CS 4337 Computer Vision (F)
- CS 4347 Machine Learning (F, S)
- ** (or EE 4331 Intro Machine Learning Engr Apps (F))**
- CS 4350 Unix Systems Programming (F, S)
- CS 4380 Parallel Programming (F,S)
- CS 4388 Computer Graphics (F)
- EE 3326 Numerical & Scientific Data Analysis Using Python (F)
- EE 3400 Circuits II (F,S,Su)
- EE 4332 Introduction to CAE Simulation on HPC Systems (S)

Note:
*CS 4318 & CS 4380 cannot count for both the project course and concentration elective.
*CS 4347 & EE 4331 cannot be both taken to satisfy 6 hours concentration electives.

Choose one project course:

- CS 4318 (F)
Compiler Construction
- OR
- CS 4380
(F,S)
Parallel Programming

Note: Project course must be different than computer engineering elective