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 and Engineering 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 in specific semesters are indicated with the following codes:
  - F = Fall
  - S = Spring
  - Su = Summer Session I or II

Required WI courses:
- ENG 2310 or 2360
- ENG 3303, MATH 4337A, 4377B, 4377C, 4382
- MATH 3377 (replaced MATH 3373)

Core courses must be completed:
- US 1100
- HIST 1310
- ANTH 1312/ECO 2301/2314
- ENG 1310
- HIST 1320
- GEO 1310/PSY 1300/SOCI 1310
- ENG 1320
- POSI 2310
- COMM 1310
- PHI 1305 or 1320
- POSI 2320
- ENG 2310-2360
- ART/DAN/MU/TH 2313

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

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### Freshman Fall semester
- MATH 2471 (F,S,Su) Calculus I
- MATH 2472 (F,S,Su) Calculus II
- MATH 2393 (F,S,Su) Calculus III (replaced MATH 3373)
- 3 hours of natural science (see advisor for options)

### Freshman Spring semester
- MATH 3330 (F,S,Su) Intro to Advanced Math
- CS 1428 (F,S,Su) Foundations of Computer Science I

### Sophomore Fall semester
- MATH 3377 (F,S,Su) Linear Algebra
- 3 hours of natural science (see advisor for options)

### Sophomore Spring semester
- MATH 3380 (F,S) Analysis I
- MATH 4330 (F) Topology

### Junior Fall semester
- MATH 4315 (F,S) Analysis II

### Junior Spring semester
- MATH 3393 (F,S,Su) Introduction to Finite Element Methods (check prerequisites)

### Senior Fall semester
- MATH 4307 (F,S) Modern Algebra

### Senior Spring semester
- 9 hours MATH advanced electives:
  - MATH 3305 – Intro to Prob & Stats (F,S,Su)
  - MATH 3323 – Differential Equations (F,S,Su)
  - MATH 3325 – Number Systems (S)
  - MATH 3348 – Det. Operations Research (F)
  - MATH 3383 – Numerical Analysis I (F)
  - MATH 3398 – Discrete Math II (F,S,Su)
  - MATH 4305 – Prob & Stats (S)
  - MATH 4306 – Fourier Series (S)
  - MATH 4316 – Studies in Applied Math
  - MATH 437A – Topological Data Analysis
  - MATH 437B – Research in Discrete Mathematics
  - MATH 437C – Numerical Methods for Ordinary Diff Eqn
  - MATH 4350 – Combinatorics (S)
  - MATH 4382 – Lit. Modern History of Math
  - MATH 4383 – Numerical Analysis II
  - MATH 4393 – Introduction to Finite Element Methods (check prerequisites)

### Core courses must be completed:
- ___US 1100
- ___HIST 1310
- ___ANTH 1312/ECO 2301/2314
- ___ENG 1310
- ___HIST 1320
- ___GEO 1310/PSY 1300/SOCI 1310
- ___ENG 1320
- ___POSI 2310
- ___COMM 1310
- ___PHIL 1305 or 1320
- ___POSI 2320
- ___ENG 2310-2360
- ___ART/DAN/MU/TH 2313

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