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

**Required WI courses:**
- Modern language 1410
- Modern language 1420
- MATH 3373 (F,S,Su)
  - Intro to Advanced Math
- MATH 3330 (F,S,Su)
  - Analysis I
- MATH 3377 (F,S,Su)
  - Linear Algebra
- MATH 3330 (F,S)
  - Analysis II
- MATH 4330 (F)
  - Topology
- MATH 4307 (F,S)
  - Modern Algebra

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

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

**3 hours of natural science (see advisor for options)**

**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 3375 – Engineering Mechanics (F,S)
- MATH 3383 – Numerical Analysis I
- MATH 3398 – Discrete Math II (F,S)
- MATH 4305 – Prob & Stats (S)
- MATH 4310 – Fourier Series (S)
- MATH 4336 – Studies in Applied Math
- MATH 4350 – Combinatorics (S)
- MATH 4382 – Lit. Modern History of Math
- MATH 4383 - Numerical Analysis II

(see prerequisites)

**ENG 23XX or ENG 3303**

(ENG 23XX must be different than literature taken for core)

**Minor and/or elective hours (as needed, see advisor)**