BS – Mathematics (SC-BS/MATH)
2017 Catalog year: College of Science and Engineering

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.

Core courses must be completed:

- US 1100
- COMM 1310
- PHIL 1305 or 1320
- ENG 1310
- ENG 1320
- ENG 2310-2360
- HIST 1310
- HIST 1320
- ART/DAN/MU/TH 2313
- POSI 2310
- POSI 2320
- 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.

### Freshman
- **Fall semester**: 3 hours of natural science (see advisor for options)
- **Spring semester**: 3 hours of natural science (see advisor for options)

### Sophomore
- **Fall semester**: CS 1428 (F,S,Su)
  - Foundations of Computer Science I
- **Spring semester**: MATH 2471 (F,S,Su)
  - Calculus I
- **Fall semester**: MATH 2472 (F,S,Su)
  - Calculus II

### Junior
- **Fall semester**: MATH 3300 (F,S)
  - Intro to Advanced Math
- **Spring semester**: MATH 3373 (F,S,Su)
  - Calculus III

### Senior
- **Fall semester**: MATH 4307 (F,S)
  - Modern Algebra
- **Spring semester**: MATH 4315 (S)
  - Analysis II

#### Minor and/or elective courses (as needed, see advisor)

9 hours MATH advanced electives:
- MATH 3305 – Intro to Prob & Stats (F,S,Su)
- MATH 3323 – Differential Equations (F,S,Su)
- MATH 3383 – Numerical Analysis I (F)
- MATH 3375 – Engineering Mechanics
- MATH 3398 – Discrete Math II (F,S,Su)
- MATH 3348 – Det. Operations Research (F)
- MATH 4305 – Prob & Stats (S)
- MATH 4350 – Combinatorics (S)
- MATH 3325 – Number Systems (S)
- MATH 4306 – Fourier Series (S)
- MATH 4382 – Lit. Modern History of Math
- MATH 4383 – Numerical Analysis II
- MATH 4336 – Studies in Applied Math

(check prerequisites)

### 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:
- Additional WI courses: ENG 3303, MATH 4382

Undergraduate Advising Center for advising
State chart is intended to be used by students who start out at Texas State.
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US 1100 & ENG 1310 recommended for first semester. HIST 1310/1320 not recommended for first semester.