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.

2021 Catalog year: College of Science and Engineering

BA – Mathematics (SC-BA/MATH)

**KEY:**
- Arrows indicate prerequisites.
- Arrows with dotted lines indicate corequisites.
- Arrows with dash lines are recommended prerequisites.
- Courses taught in specific semesters are indicated with the following codes:
  - S-Spring
  - Su-Summer Session I or II

**Required WI courses:**
- Additional WI courses: ENG 2310-2360, ENG 3303, MATH 4372A, 4372B, 4372C

**Core courses must be completed:**
- 6 credits Core 010
- 6 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
- 6 credits Core 090,
- 091, 092, 093, and 094

**Core courses required:**
- MATH 2471 (F,S,Su)
- Modern language 1410
- MATH 2472 (F,S,Su)
- Modern language 1420
- CS 1428 (F,S,Su)
- Modern language 2310
- Modern language 2320
- Minor and/or elective hours

**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 4327 – Introduction to Complex Analysis & App
- MATH 4336 – Studies in Applied Math
- MATH 437A – Topologia1Data Analysis
- MATH 437B – Research in Discrete Mathematics
- MATH 437C – Numerical Methods for Ordinary Diff Eqns
- MATH 4350 – Combinatorics (S)
- MATH 4383 – Numerical Analysis II
- MATH 4393 – Introduction to Finite Element Methods

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

**ENG 23XX**
- ENG 3303 (ENG 23XX must be different than literature taken for core)

**Additional WI courses:**
- Modern language 1410
- Modern language 1420
- Modern language 2310
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