### BS – Mathematics

#### SC-BS/MATH

- **Fall semester**
  - MATH 2471 (F,S,Su) Calculus I
  - MATH 2472 (F,S,Su) Calculus II
- **Spring semester**
  - MATH 2393 (F,S,Su) Calculus III (replaced MATH 3373)
- **Freshman Fall semester**
  - 3 hours of natural science (see advisor for options)
- **Freshman Spring semester**
  - 3 hours of natural science (see advisor for options)
- **Sophomore Fall semester**
  - CS 1428 (F,S,Su)
  - MATH 3330 (F,S,Su) Intro to Advanced Math
- **Sophomore Spring semester**
  - MATH 3380 (F,S) Analysis I
  - MATH 4330 (F,S,Su) Analysis II
  - MATH 4315 (F,S) Modern Algebra
  - MATH 4307 (F,S) Topology
- **Junior Fall semester**
  - MATH 4337A, 4337B, 4337C, 4382
  - MATH 4310 – Prob & Stats (S)
  - MATH 4306 – Fourier Series (S)
  - MATH 4327 – Introduction to Complex Analysis & App
- **Junior Spring semester**
  - MATH 4337D
  - MATH 4383 – Discrete Math II (F,S,Su)
  - MATH 4377D
- **Senior Fall semester**
  - MATH 4337D
  - MATH 4330, MATH 4330, and MATH 4330
  - MATH 4330, MATH 4330, and MATH 4330
  - MATH 4330, MATH 4330, and MATH 4330
  - MATH 4330, MATH 4330, and MATH 4330
- **Senior Spring semester**
  - MATH 4330, MATH 4330, and MATH 4330
  - MATH 4330, MATH 4330, and MATH 4330
  - MATH 4330, MATH 4330, and MATH 4330
  - MATH 4330, MATH 4330, and MATH 4330

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

- **9 hours MATH advanced electives:**
  - MATH 3305 – Intro to Prob & Stats (F,S,Su)
  - MATH 3325 – Differential Equations (F,S,Su)
  - MATH 3350 – Discrete Math II (F,S,Su)
  - MATH 3367 – Numerical Analysis I (F)
  - MATH 3378 – Discrete Math II (F,S,Su)
  - MATH 3385 – Prob & Stats (S)
  - MATH 3396 – Fourier Series (S)

#### 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
- 6 credits Core 090

- TXST options: ENG 1310, ENG 1320, ENG 1321
- TXST options: MATH required course: MATH 2471
- TXST options: See catalog for options
- TXST options: See catalog for options
- 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: MATH 2471
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- TXST options: MATH 2471

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

#### Additional WI courses:

- English
- Math
- Science

- Required WI courses:
  - ENG 2310-2360, ENG 3303, MATH 4337A, 4337B, 4337C, 4382
- Additional WI courses: ENG 23XX

#### 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

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.