BS – Applied Math

**Core and Minor Requirements**

**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:**
- MATH 2358 (F,S,Su) Discrete Math I

**Sophomore Spring semester:**
- MATH 2471 (F,S,Su) Calculus I
- MATH 2472 (F,S,Su) Calculus II

**Junior Fall semester:**
- MATH 2373 (F,S,Su) Calculus III
- MATH 3323 (F,S,Su) Differential Equations
- MATH 3305 (F,S,Su) Intro to Probability & Statistics

**Junior Spring semester:**
- MATH 3330 (F,S,Su) Intro to Advanced Math

**Senior Fall semester:**
- Minor and/or elective courses (as needed, see advisor)

**Senior Spring semester:**
- ENG 3303 Technical Writing

**6 hours MATH advanced electives:**
(check prerequisites)
- MATH 3348 (F) - Deterministic Operations Research
- MATH 4305 (S) - Probability & Statistics
- MATH 4306 (S) - Fourier Series
- MATH 4315 (S) - Analysis II
- MATH 4350 (S) - Combinatorics
- MATH 3398 (F,S,Su) - Discrete Math II
- MATH 4307 (F) - Modern Algebra
- MATH 4336 (see dpt) - Studies in Applied Math
- MATH 4383 - Numerical Analysis II
- MATH 4393 - Intro to Finite Element Methods
- ENGR 3375 - Engineering Mechanics

**Additional WI courses:**
- ENG 3303

**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.

**Note:** In addition to major courses, students must also complete all core and minor requirements (if applicable) and any other requirements for graduation.

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.