BS – Applied Math

(SC-BS/APMA)

requirements for graduation

Note

Undergraduate Advising Center for advising

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 dashed lines indicate co-requisites.

Courses taught in specific semesters are indicated with the following codes:

- F: Fall
- S: Spring
- Su: Summer Session I or II

Required WI courses: ENG 3303

Additional WI courses: MATH 4337A, 4337B, 4337C

Core courses must be completed:

- _US 1100_ (as needed, see advisor)
- _HIST 1310_ (as needed, see advisor)
- _ANTH 1312/ECO 2301/2314_ (as needed, see advisor)
- _ENG 1310_ (as needed, see advisor)
- _ENG 1320_ (as needed, see advisor)
- _PSI 2100_ (as needed, see advisor)
- _POSI 2100_ (as needed, see advisor)
- _COM 1320_ (as needed, see advisor)
- _ART/DA/AN/TH 2133_ (as needed, see advisor)

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

6 hours MATH advanced electives:

(check prerequisites)

MATH 3348 (F) – Deterministic Operations Research
MATH 3398 (F,S,Su) – Discrete Math II
MATH 4305 (S) – Probability & Statistics
MATH 4306 (S) – Fourier Series
MATH 4307 (F,S) – Modern Algebra
MATH 4315 (F,S) – Analysis II
MATH 4336 (see dept) – Studies in Applied Math
MATH 4377A – Topological Data Analysis
MATH 4377B – Research in Discrete Mathematics
MATH 4377C – Numerical Methods for Ordinary Diff Equ
MATH 4350 (S) – Combinatorics
MATH 4383 – Numerical Analysis II
MATH 4393 – Intro to Finite Element Methods

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