Course chart is intended to be used by students who start out at Texas State. This chart is not an official degree audit and it is subject to change. See most recent online catalog for prerequisites.

### Requirements for Graduation

- **Core and Minor Requirements**
  - **BA – Physics**
  - **SC-BA/Physics**
  - **2017 Catalog year: College of Science and Engineering**

### Undergraduate Advising Center for advising

- **Freshman**
  - Fall semester: Modern language 1410
  - Spring semester: MATH 2472 (F,S,Su)

- **Sophomore**
  - Fall semester: MATH 2471 (F,S,Su)
  - Spring semester: Modern language 1420

- **Junior**
  - Fall semester: Modern language 2310
  - Spring semester: Modern language 2320

- **Senior**
  - Fall semester: ENG 23XX or ENG 3303 (ENG 23XX must be different than literature taken for core)

### 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/ECON 2301/ECON 2314/GEOL 1310/PSY 1300/SOCI 1310**

### Minor and/or Elective Courses

- **13-16 hours PHYS Electives**
  - PHYS 3210 – Physics Cognition & Pedagogy
  - PHYS 3311 (S) – Mechanics I
  - PHYS 3313 - Astrophysics
  - PHYS 3315 (S) - Thermodynamics
  - PHYS 3416 (F) – Applied Electronics
  - PHYS 3417 (F) – Optics
  - PHYS 4305 – Statistical Physics
  - PHYS 4310 (F) – Electromagnetic Field Theory I
  - PHYS 4311 (F) – Condensed Matter Physics
  - PHYS 4312 (S) – Quantum Mechanics I
  - PHYS 4313 – Quantum Mechanics II
  - PHYS 4314 – Mechanics II
  - PHYS 4315 (S) – Electromagnetic Field Theory II
  - PHYS 4317 (F) – Computational Physics
  - PHYS 4320 – Selected Studies in Physics
  - PHYS 4321,4321.4321 – Undergraduate Research
  - PHYS 4340 (S) – Materials Physics Laboratory
  - PHYS 4350A – Thin Film Photo. Dev.
  - PHYS 4350B – Relativity
  - PHYS 4350C – Cognition & Pedagogy II

### Key:

- Arrows indicate prerequisites.
- Arrows with dash lines indicate co-requisites.
- Arrows with dotted lines indicate corequisites.
- Courses taught in specific semesters are indicated with the following codes:
  - F–Fall
  - S–Spring
  - Su–Summer Session I or II

- Required W1 courses: PHYS 3411

- Additional W1 courses: ENG 3303, PHYS 3210, 3416, 3417, 4340, 4350C

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