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.

**BS – Physics: Physics/Math Teacher Cert (7-12)**  
(SC-BS/PHYS/PMH7/SCED)  
2017 Catalog year: College of Science and Engineering

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**Freshman Fall semester**
- **PHYS 1430 (F)**
- **MATH 2471 (F,S,Su)**
- **CHEM 1341/1141 (F,S,Su)**

**Freshman Spring semester**
- **PHYS 2435 (F)**
- **MATH 2472 (F,S,Su)**

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**Sophomore Fall semester**
- **PHYS 2425 (F)**
- **PHYS 3210 (F)**
- **CHEM 1342/1142 (F,S,Su)**

**Sophomore Spring semester**
- **PHYS 3320 (F)**
- **MATH 3373 (F,S,Su)**
- **MATH 3350**

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**Junior Fall semester**
- **PHYS 3312 (F)**
- **PHYS 3311 (S)**
- **PHYS 4310 (F)**

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**Junior Spring semester**
- **PHYS 3311 (S)**
- **PHYS 4310 (F)**
- **PHYS 4311**

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**Senior Fall semester**
- **PHYS 3417 (F)**
- **PHYS 3416 (F)**
- **PHYS 3414**

**Senior Spring semester**
- **PHYS 4312 (F)**
- **PHYS 4312 (F)**

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**Two PHYS electives from:**
- PHYS 3313 – Astrophysics
- PHYS 4317 (F) – Optics
- PHYS 4305 – Statistical Physics
- PHYS 4313 – Quantum Mechanics II
- PHYS 4315 – Electromag. Field Theory
- PHYS 4320 – Selected Study in Physics
- PHYS 4340 (S) – Materials Physics Lab
- PHYS 4308 – Relativity

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**PhD in:**
- PHYS 3416 (F) – Applied Electronics
- PHYS 4121/4221 – Undergrad Research
- PHYS 4311 – Condensed Matter Physics
- PHYS 4314 – Mechanics II
- PHYS 4317 (F) – Computational Physics
- PHYS 4321 – Undergraduate Research
- PHYS 4350A – Thin Film Photo. Devs.
- PHYS 4350C – Cognition & Pedagogy

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**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
- Additional WI courses: PHYS 3210, 3411
- Additional WI courses: PHYS 3416, 3417, 4317, 4340, 4350

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**Core courses must be completed:**
- **_US 1100_**
- **_ENG 1310_**
- **_HIST 1310_**
- **_PSY 1310 or 1320_**
- **_ENG 1320_**
- **_ENG 2310-2360_**
- **_HIST 1320_**
- **_ART/DAN/MU/TH 2313_**
- **_POS 2310_**
- **_POS 2320_**
- **_ANTH 1312/ECO 2301/ECO 2314/GEOL 1310/PSY 1300/SOCI 1310_**

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