**BS – Physics: Physics/Math Teacher Cert (7-12)**  

*(SC-BSPHYS/PHYS7/SCED)*

2018 Catalog year: College of Science and Engineering

**Core and Minor Requirements**

*Note: 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.*

**Arrows indicate prerequisites.**

**Arrows with dotted 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:** PHYS 3210

**Additional WI courses:** PHYS 3411, 3416, 3417

---

**Two PHYS electives from:**

- PHYS 3313 (F) – Astrophysics
- PHYS 3411 (S) – Advanced Lab
- PHYS 3416 (F) – Applied Electronics
- PHYS 3417 (F) – Optics
- PHYS 4305 (S) – Statistical Physics
- PHYS 4311 (F) – Condensed Matter Physics
- PHYS 4315 (S) – Elec Field Theory II
- PHYS 4320 (F,S): Selected Study in Physics
- PHYS 4350A – Thin Film Photo. Dev.
- PHYS 4350B – Relativity

**Undergrad Research:** PHYS 421/422/4321 – Undergrad Research

**Modern Geometry:** MATH 3315

**Intro to Advanced Math:** MATH 3330

**Capstone Math Sec Ed Teachers:** MATH 4304

**Intro to Prob & Stats:** MATH 3305

---

**Block experience:**

- **RDG 3323**
- **CI 4343**
- **CI 4370**

**Requires:**

- Admission into Teaching Program
- CI 4332 and CI 3325 with a C or higher
- 2.75+ overall GPA
- Junior or Senior classification
- Application and approval by the block experience

**EDST 4681**

**Student Teaching**

---

**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**
- **ANTH 1312/ECO 2301/ECO 2314/GEO 1310/PSY 1300/SCI 1310**

**US 1100 & ENG 1310 recommended for first semester.**

**HIST 1310/1320 not recommended for first semester.**

---

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