

# BACHELOR OF SCIENCE (B.S.) MAJOR IN PHYSICS (TEACHER CERTIFICATION IN PHYSICAL SCIENCE, GRADES SIX THROUGH TWELVE)

**Minimum Required: 125-127  
semester credit hours**

## Admission Requirement

- All students pursuing teacher certification must apply and be accepted to the Office of Educator Preparation (<http://mycatalog.txstate.edu/undergraduate/education/office-of-educator-preparation/>).

## General Requirements

- The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (<http://mycatalog.txstate.edu/undergraduate/general-education-core-curriculum/>) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
- A minor in Secondary Education is required.
- In addition to the major, minor and general education core curriculum requirements, students must also complete 21 hours of professional sequence courses under the College of Education. All coursework must be completed prior to enrolling in EDST 4681.
- To satisfy graduation requirements for teacher certification, students must have at least a 2.75 Overall GPA, a major GPA of at least 2.50 with no grades less than a "C" in all major courses, a GPA of at least 2.50 in all assigned courses in the professional sequence with no grades less than a "C", and a Secondary Education minor GPA of at least 2.50 with no grades less than a "C" in all minor courses.
- Students must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
- Nine semester credit hours must be writing intensive (WI).
- If two years of the same foreign language were taken in high school, then no additional language hours will be required for the degree. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.
- All students seeking teacher certification must apply for and be admitted to the Educator Preparation Program in order to enroll in education coursework and student teaching in the Junior and Senior years. Refer to the requirements for Admittance to the Educator Preparation Program through the Office of Educator Preparation (<http://mycatalog.txstate.edu/undergraduate/education/office-of-educator-preparation/>).
- The Texas Education Agency (TEA) requires multiple background checks for progression through the Educator Preparation Program. Based on information recorded in your criminal history, you may be ineligible for issuance of a teaching certificate upon completion of the Educator Preparation Program. If you have a criminal history, you may obtain a Preliminary Criminal History Evaluation from TEA. For more information,

go to: [https://tea.texas.gov/Texas\\_Educators/Investigations/Preliminary\\_Criminal\\_History\\_Evaluation-FAQs/](https://tea.texas.gov/Texas_Educators/Investigations/Preliminary_Criminal_History_Evaluation-FAQs/).

## Course Requirements

Freshman

First Hours Semester	Second Hours Semester	
PHYS 1430	4 PHYS 2435	4
MATH 2471 (Mathematical Component Code 020)	4 MATH 2472 (Component Area Option Code 090/092)	4
US 1100	1 ENG 1320 (Communication Component Code 010)	3
ENG 1310 (Communication Component Code 010)	3 American History Component Code 060	3
Social and Behavioral Sciences Component 080	3 PHYS 2230	2

15

16

Sophomore

First Hours Semester	Second Hours Semester	Summer Hours	
PHYS 2425 (Component Area Option Code 090/093)	4 PHYS 3320	3 Summer I:	
CHEM 1141	1 MATH 3323	3 American History Component Code 060	3
MATH 2393	3 CHEM 1142	1 POSI 2310 (Government/Political Science Component Code 070)	3
CHEM 1341 (Life and Physical Sciences Component Code 030)	3 CHEM 1342 (Life and Physical Sciences Component Code 030)	3 Summer II:	

PHIL 1305 or 1320 (Language, Philosophy, and Culture Component Code 040)	3 PHYS 2150	1 ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
PHYS 3210	2 COMM 131C (Component Area Option Code 090/091)	3 POSI 2320 (Governmen Political Science Component Code 070)	3
	<b>16</b>	<b>14</b>	<b>12</b>

**Junior**

<b>First Hours Semester</b>	<b>Second Hours Semester</b>	<b>Summer Hours</b>	
PHYS 4310	3 PHYS 3311	3 CHEM 3410	4
PHYS Upper Division Lab or PHYS 3312 <sup>1</sup>	3-4 PHYS Upper Division Lab or PHYS 3312 <sup>1</sup>	3-4	
CI 3325	3 CI 4332	3	
CHEM 2130	1 PHYS 4360	3	
CHEM 2330	3 CHEM 2350	3	
	<b>13-14</b>	<b>15-16</b>	<b>4</b>

**Senior**

<b>First Hours Semester</b>	<b>Second Hours Semester</b>	
PHYS 4312	3 EDST 4681	6
RDG 3323	3	
CI 4343	3	
CI 4370	3	
CHEM 4295	2	
	<b>14</b>	<b>6</b>

**Total Hours: 125-127**

<sup>1</sup> PHYS 3312 is required. One Upper Division Lab is required from the following: PHYS 3411, PHYS 3416, PHYS 3417, PHYS 3418

<sup>2</sup> The Physics Faculty Undergraduate Advisor invites students to propose substituting PHYS 4321 for one required advanced course.