

Bachelor of Science, Physics

CORE REQUIREMENTS

Department of Physics & Astronomy

936.294.1601

physandastron@shsu.edu

Course Name	Hours	TCCNS	SHSU
Communication (6 hours)			
Composition I	3	ENGL 1301	ENGL 1301
Composition II	3	ENGL 1302	ENGL 1302
Mathematics (3 hours)			
Calculus I	4	MATH 2413	MATH 1420
Life & Physical Sciences (6 hours)¹			
Choose <u>two</u> courses from your current Texas community college's core approved list.			
Language, Philosophy, & Culture (3 hours)			
Choose <u>one</u> course from your current Texas community college's core approved list.			
Creative Arts (3 hours)			
Choose <u>one</u> course from your current Texas community college's core approved list.			
American History (6 hours)			
United States History to 1876	3	HIST 1301	HIST 1301
United States History since 1876	3	HIST 1302	HIST 1302
Government/Political Science (6 hours)			
American Government	3	GOVT 2305	POLS 2305
Texas Government	3	GOVT 2306	POLS 2306
Social & Behavioral Science (3 hours)			
Choose <u>one</u> course from your current Texas community college's core approved list.			
Component Area Option Recommendations (6 hours)			
Choose <u>two</u> courses from your current Texas community college's core approved list.			

MAJOR REQUIREMENTS

Full degree can be found here: <https://www.shsu.edu/programs/bachelor-of-science-in-physics/index.html>

Course Name	Hours	TCCNS	SHSU
Calculus II	4	MATH 2414	MATH 1430
Calculus III	4	MATH 2415	MATH 2440
General Chemistry I w/ lab ¹	4	CHEM 1411	CHEM 1411
General Chemistry II w/ lab ¹	4	CHEM 1412	CHEM 1412
General Biology I OR Physical Geology OR Solar System Astronomy	4	BIOL 1406 GEOL 1403 PHYS 1404	BIOL 1406 GEOL 1403 PHYS 1404
General Biology II OR Historical Geology OR Stars & Galaxies	4	BIOL 1407 GEOL 1404 PHYS 1403	BIOL 1407 GEOL 1404 PHYS 1403
Programming Fundamentals	4	COSC 1436	COSC 1436
Introduction to Physics I w/ lab	4	PHYS 2425	PHYS 1411
Introduction to Physics II w/ lab	4	PHYS 2426	PHYS 1422

Courses for required minor

A minor is required for this program. A full list of minors can be found here: <https://catalog.shsu.edu/degree-programs/>

*SHSU accepts a maximum of 70 credit hours: 66 academic hours + 4 hours of activity-based physical education (kinesiology) hours. Students must earn a 2.0 minimum overall GPA in all coursework, overall major GPA in all major coursework, SHSU GPA in all coursework, and SHSU major GPA in all major coursework.

1) CHEM 1411, CHEM 1412 satisfies the Core Curriculum requirement for Component Area III (Life and Physical Science).

A minor is required for this program. The following minor cannot be paired with this degree program: Minor in Physics.