

## Bachelor of Science, Physics

### CORE REQUIREMENTS

Department of Physics & Astronomy

936.294.1601

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Course Name	Hours	TCCNS	SHSU
<b>Communication (6 hours)</b>			
Composition I	3	ENGL 1301	ENGL 1301
Composition II	3	ENGL 1302	ENGL 1302
<b>Mathematics (3 hours)<sup>1</sup></b>			
Calculus I	4	MATH 2413	MATH 1420
<b>Life &amp; Physical Sciences (6 hours)<sup>2</sup></b>			
Choose <u>two</u> courses from your current Texas community college's core approved list.			
<b>Language, Philosophy, &amp; Culture (3 hours)</b>			
Choose <u>one</u> course from your current Texas community college's core approved list.			
<b>Creative Arts (3 hours)</b>			
Choose <u>one</u> course from your current Texas community college's core approved list.			
<b>American History (6 hours)</b>			
United States History to 1876	3	HIST 1301	HSTY 1301
United States History since 1876	3	HIST 1302	HSTY 1302
<b>Government/Political Science (6 hours)</b>			
American Government	3	GOVT 2305	POLS 2305
Texas Government	3	GOVT 2306	POLS 2306
<b>Social &amp; Behavioral Science (3 hours)</b>			
Choose <u>one</u> course from your current Texas community college's core approved list.			
<b>Component Area Option Recommendations (6 hours)<sup>1</sup></b>			
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	4	CHEM 1411	CHEM 1411
General Chemistry II w/ lab	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
<b>Courses for required minor</b>			
<b>A minor is required for this program. A full list of minors can be found here: <a href="https://catalog.shsu.edu/degree-programs/">https://catalog.shsu.edu/degree-programs/</a></b>			

\*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.

A minor is required for this program. The Physics major degree plan automatically includes enough math hours for a [minor in Mathematics](#). The following minor cannot be paired with this degree program: Minor in Physics.

1 - MATH 1420 satisfies the Core Curriculum requirement for Component Area II (Mathematics), one semester credit hour of Component Area IX (Component Area Option), and the Minor requirement.

2 - CHEM 1411 and CHEM 1412 satisfy the Core Curriculum requirement for Component Area III (Life and Physical Science).