

What will I be studying?

Physics is vital to understanding the world around us, the world inside us, and the world beyond us. The BA program consists of the traditional general physics core, a variety of upper-level courses and applied electives, and laboratory courses. It allows more flexibility for students who want to take coursework for a second major or graduate/professional schools outside of physics.

Career Ideas!

Research and Technical

Operate laboratory tools and equipment; process data for experiments, analyze experiment results, record observations, and create reports for further examination.

Engineering Connected

Use math and science to solve different technical problems; develop new products for companies or individuals.

Educator/Teacher

Teach courses pertaining to the laws of matter and energy; includes teachers primarily engaged in teaching.

**Please note this is not a complete list of careers you can go into with this major.



Science Center (SCA) 203



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<http://physics.usf.edu/>

Contact Us

Society of Physics Students at USF

Sigma Pi Sigma

Astronomy Club at USF

American Physical Society

The American Institute of Physics

Get Involved!

Example Four Year Plan

Year 1		
Fall	Spring	Summer
CHM 2045: Chemistry 1**	CHM 2046: Chemistry 2	Non-Major Elective
CHM 2045L: Chemistry 1 Lab **	CHM 2046L: Chemistry 2 Lab	
ENC 1101: Composition 1	MAC 2311: Calculus 1**	
Core Humanities	ENC 1102: Composition 2	
Core Social Science Course	Enhanced Gen-Ed: Human/Cultural Diversity	
Total Hours: 13	Total Hours: 14	Total Hours: 3
Year 2		
Fall	Spring	Summer
MAC 2312: Calculus II	MAC 2313: Calculus III	Non-Major Elective
PHY 2048: Calc-Based Physics I	PHY 2049: Calc-Based Physics II	
PHY 2048L: Calc-Based Physics I Lab	PHY 2049L: Calc-Based Physics II Lab	
Foreign Language I	Foreign Language II	
Non-Major Elective	Non-Major Elective	
Total Hours: 15	Total Hours: 15	Total Hours: 3
Year 3		
Fall	Spring	Summer
PHY 3101: Modern Physics	PHY 3220: Classical Mechanics	Upper-Level Non-Major Elective
PHZ 3113: Math Methods	PHY 3323: Electricity & Magnetism I	
Enhanced Gen-Ed: Creative Thinking	Enhanced Gen-Ed: Info & Data Literacy	
Upper-Level Non-Major Elective	Upper-Level Non-Major Elective	
Non-Major Elective	Upper-Level Non-Major Elective	
Total Hours: 15	Total Hours: 15	Total Hours: 3
Year 4		
Fall	Spring	Total Credits to Graduation
PHY 4604: Intro to Quantum Mechanics	PHY 4823L: Advanced Lab	Major Requirements: 53 credit hours
PHY 3822L: Intermediate Lab	PHY 4930: Physics Seminar	
Enhanced Gen-Ed: Ethical Reasoning & Civic Engagement	Upper-Level Physics Major Elective	General Education Requirements: 27 credit hours
Upper-Level Non-Major Elective	Enhanced Gen-Ed: High Impact Practice	
	Upper-Level Non-Major Elective	Other Degree Requirements: 40 credit hours
Total Hours: 12	Total Hours: 13	Total= 120

**May require completion of additional math pre-requisites (consider the [MPT](#) or [CPT](#) exams)