

### What will I be studying?

Physical Sciences is an interdisciplinary major consisting of coursework in physics, chemistry, geosciences, and math. The BS program prepares students for work in technical fields requiring a background in one or more of the physical sciences. It allows students the opportunity to fit the major toward the specific goals they want to achieve through their course choices.

### Career Ideas!

#### Engineering Connected

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

#### Research and Technical

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

#### Educator/Teacher

Teach courses pertaining to the laws of matter and energy; includes both teachers primarily engaged in teaching and those who do a combination of teaching and research.

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



**Science Center (SCA) 203**



[PhysicsAdvise@usf.edu](mailto:PhysicsAdvise@usf.edu)



<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	
Enhanced Gen-Ed: Creative Thinking	Enhanced Gen-Ed: Info & Data Literacy	
Enhanced Gen-Ed: Ethical Reasoning & Civic Engagement	Enhanced Gen-Ed: High Impact Practice	
Total Hours: 14	Total Hours: 14	Total Hours: 3
Year 3		
Fall	Spring	Summer
Major Elective Course	Computational Science Course	Upper-Level Non-Major Elective
Major Elective Course	Major Elective Course	
Major Elective Course	Major Elective Course	
Major Elective Course	Upper-Level Non-Major Elective	
Upper-Level 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
Computational Science Course	Major Elective Course	<b>Major Requirements:</b> 67 credit hours
Major Elective Course	Major Elective Course	
Major Elective Course	Major Elective Course	<b>General Education Requirements:</b> 27 credit hours
Upper-Level Non-Major Elective	Upper-Level Non-Major Elective	
Upper-Level Non-Major Elective		<b>Other Degree Requirements:</b> 26 credit hours
Total Hours: 15	Total Hours: 12	Total= 120

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