

### What will I be studying?

How plants and organisms interact with their environment. This focus provides a firm foundation in basic biological concepts and the tools necessary to function as a professional biologist with a special emphasis on plant biology, conservation, and natural ecosystems.

### Career Ideas!

#### Conservation Scientist/Forester

Protect & manage the land quality of forests, parks, rangelands, and other environments

#### Research Botanist

Study the biology of plants through academia and research

#### Soil & Plant Scientist

Research agricultural plants, nursery stock, & the soil and pests that affect them

#### Agricultural/Food Scientists

Study ways to improve the efficiency and safety of agricultural products

\*\*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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[usf.edu/bio-advise](http://usf.edu/bio-advise)

### Contact Us

#### Biology Club

**Student Environmental Association**

**Global Leaders Outreach for a Better Environment**

**SPEAK (Students Protecting the Environment & Animals through Knowledge)**

**Society of American Foresters**

**Florida Fish and Wildlife**

### Get Involved!

Integrative Biology Department  
Biology, B.S. with a Plant Biology Concentration

# Example Four Year Plan

Year 1		
Fall	Spring	Summer
CHM 2045: Chemistry 1**	CHM 2046: Chemistry 2	STA 2023: Statistics
CHM 2045L: Chemistry 1 Lab **	CHM 2046L: Chemistry 2 Lab	Non-Major Elective
MAC 2311: Calculus 1**	BSC 2010: Cellular Processes	
ENC 1101: Composition 1	BSC 2010L: Cellular Processes Lab	
Core Social Science Course	Core Humanities	
	ENC 1102: Composition 2	
Total Hours: 14	Total Hours: 14	Total Hours: 6
Year 2		
Fall	Spring	Summer
BSC 2011: Biodiversity	CHM 2211: Organic Chemistry 2	PHY 2053: Physics 1
BSC 2011L: Biodiversity Lab	CHM 2211L: Organic Chemistry 2 Lab	PHY 2053L: Physics 1 Lab
CHM 2210: Organic Chemistry 1	PCB 3043: Ecology	
CHM 2210L: Organic Chemistry 1 Lab	PCB 3043L: Ecology Lab	
Enhanced Gen-Ed: Creative Thinking	Upper-Level Non-Major Elective	
Enhanced Gen-Ed: Human/Cultural Diversity	Enhanced Gen-Ed: Info & Data Literacy	
Total Hours: 15	Total Hours: 15	Total Hours: 4
Year 3		
Fall	Spring	Summer
BOT 3015C: General Botany	PCB 3063: General Genetics	
PHY 2054: Physics 2	PCB 3063L: General Genetics Lab	
PHY 2054L: Physics 2 Lab	Plant Restricted Elective	
Upper-Level Non-Major Elective	Upper-Level Non-Major Elective	
Enhanced Gen-Ed: Ethical Reasoning & Civic Engagement	Upper-Level Non-Major Elective	
Total Hours: 14	Total Hours: 13	Total Hours: 0
Year 4		
Fall	Spring	Total Credits to Graduation
PCB 4674: Organic Evolution	Plant Restricted Elective	<b>Major Requirements:</b> 68 credit hours
Plant Restricted Elective	Biology Major Elective	
Upper-Level Non-Major Elective	Biology Lab course	<b>General Education Requirements:</b> 27 credit hours
Enhanced Gen-Ed: High Impact Practice	Non-Major Elective	
	Non-Major Elective	<b>Other Degree Requirements:</b> 25 credit hours
Total Hours: 12	Total Hours: 13	Total= 120

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