USF UNIVERSITY OF SOUTH FLORIDA
COLLEGE OF ARTS & SCIENCES

Major Fact Sheet

Biomedical Sciences, B.S.

What will I be studying?

The Biomedical Sciences degree serves as a gateway into a variety of health-professional programs. It is designed to fulfill many of the admissions requirements for professional schools in the Health Sciences. This degree provides the flexibility to choose advanced-level science coursework based on academic and professional interests.

Career Ideas!

Health Professional Career

Pursue a career as a health professional medicine, dentistry, pharmacy, etc.

Forensic Science

Apply knowledge from diverse disciplines such as chemistry, biology, materials science, and genetics to analyze evidence

Patent Agent

Help inventors prepare, file, and see patent applications become registered patents.

Biotechnologist

Studies biology and develops products and technologies based on their research.

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

Contact Us

Science Center (SCA) 203

ChemAdvise@usf.edu

usf.edu/chemistry/advising

Get Involved!

USF Chemistry Society
HOSA: Future Health Professionals
Minority Pre-Professional Science Society
Pre-Anesthesiologist
Pre-Pharmacy Club
Pre-Physician's Assistant Society
Pre-Veterinary Society
Undergraduate American Medical Women's Association
USF Pre-Dental Society
USF PAMSA

Chemistry Department
Biomedical Sciences, B.S.

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	Enhanced Gen-Ed: Creative Thinking
MAC 2241: Life Science Calculus**	BSC 2010: Cellular Processes	
ENC 1101: Composition 1	BSC 2010L: Cellular Professes Lab	
Core Social Science Course	ENC 1102: Composition 2	
	Core Humanities Course	
Total Hours: 13	Total Hours: 14	Total Hours: 6
Year 2		
Fall	Spring	Summer
BSC 2011: Biodiversity	^PHY 2053: Physics 1**	Enhanced Gen-Ed: Ethical Reas. & Civic Eng.
BSC 2011L: Biodiversity Lab	^PHY 2053L: Physics 1 Lab**	
CHM 2210: Organic Chemistry 1	CHM 2211: Organic Chemistry 2	
CHM 2210L: Organic Chemistry 1 Lab	CHM 2211L: Organic Chemistry 2 Lab	
Enhanced Gen-Ed: Info & Data Literacy	Upper-Level Non-Major Elective	
Enhanced Gen-Ed: Human & Cultural Diversity		
Total Hours: 15	Total Hours: 12	Total Hours: 3
Year 3		
Fall	Spring	Summer
PHY 2054: Physics 2	MCB 3020: Microbiology	
PHY 2054L: Physics 2 Lab	MCB 3020L: Microbiology Lab	
BCH 3053: Biochemistry	Major Biology Elective	
Upper-Level Non-Major Elective	Major Chemistry Elective	
Upper-Level Non-Major Elective	Upper-Level Non-Major Elective	
	Upper-Level Non-Major Elective	
Total Hours: 13	Total Hours: 16	Total Hours: 0
Year 4		
Fall	Spring	Total Credits to Graduation
Major Chemistry or Biology Elective	Major Chemistry or Biology Elective	**Major Requirements:** 61 credit hours
Major Chemistry or Biology Lab Elective	Enhanced Gen-Ed: High Impact Practice	
Upper-Level Non-Major Elective	Non-Major Elective	**General Education Requirements:** 27 credit hours
Upper-Level Non-Major Elective	Non-Major Elective	
Civics Literacy Course	Non-Major Elective	**Other Degree Requirements:** 32 credit hours
Total Hours: 13	Total Hours: 15	Total= 120

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

^ Students may take the Physics or Anatomy & Physiology sequence depending Professional program prerequisites.