

What will I be studying?

Students majoring in chemistry study elements and compounds composed of atoms, molecules, and ions. They study their composition, structure, properties, behavior, and the changes they undergo during a reaction with other substances.

Career Ideas!

Health Professional Career

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

Personal Care/Cosmetic Chemistry

Develops and manufactures products used for personal hygiene and beautification.

Environmental Chemistry

Assess the risks of contaminants in soil and groundwater, undertake corrective strategies, manage disposal of contaminated soil and waste, and supervise remediation.

Pharmaceutical Research

Apply training to the process of synthesizing new pharmaceuticals and improve the processes by which existing pharmaceuticals are made.

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



Science Center (SCA) 203



ChemAdvise@usf.edu



usf.edu/chemistry/advising

Contact Us

USF Chemistry Society

Minority Pre-Professional Science Society

Pre-Pharmacy Club

USF PAMSA

Get Involved!

Chemistry Department
Chemistry, B.A.

Four Year Plan

| Year 1 | | |
|---|--|---|
| Fall | Spring | Summer |
| CHM 2045: Chemistry 1** | CHM 2046: Chemistry 2 | Natural Science Course |
| CHM 2045L: Chemistry 1 Lab** | CHM 2046L: Chemistry 2 Lab | Enhanced Gen-Ed: Creative Thinking |
| MAC 2311: Calculus 1** | MAC 2312: Calculus 2 | |
| ENC 1101: Composition 1 | ENC 1102: Composition 2 | |
| Core Social Science Course | Core Humanities Course | |
| | | |
| Total Hours: 14 | Total Hours: 14 | Total Hours: 7 |
| Year 2 | | |
| Fall | Spring | Summer |
| PHY 2053: Physics 1** | PHY 2054: Physics 1** | Enhanced Gen-Ed: Ethical Reas. & Civic Eng. |
| PHY 2053L: Physics 1 Lab** | PHY 2054L: Physics 1 Lab** | |
| Natural Science Course | CHM 2210: Organic Chemistry 1 | |
| Enhanced Gen-Ed: Info & Data Literacy | CHM 2210L: Organic Chemistry 1 Lab | |
| Enhanced Gen-Ed: Human & Cultural Diversity | Upper-Level Non-Major Elective | |
| | | |
| Total Hours: 14 | Total Hours: 12 | Total Hours: 3 |
| Year 3 | | |
| Fall | Spring | Summer |
| CHM 2211: Organic Chemistry 2 | CHM 4413: Biophysical Chemistry | |
| CHM 2211L: Organic Chemistry 2 Lab | CHM 3120C: Elementary Analytical Chemistry | |
| CHM 4410: Physical Chemistry 1 | Upper-Level Non-Major Elective | |
| Civics Literacy Course | Upper-Level Non-Major Elective | |
| Upper-Level Non-Major Elective | | |
| | | |
| Total Hours: 15 | Total Hours: 13 | Total Hours: 0 |
| Year 4 | | |
| Fall | Spring | Total Credits to Graduation |
| CHM 3610: Intermediate Inorganic Chemistry | Major Elective | Major Requirements: 63 credit hours |
| CHM 3610L: Interm Inorganic Chemistry Lab | Enhanced Gen-Ed: High Impact Practice | |
| Major Elective | Upper-Level Non-Major Elective | General Education Requirements: 27 credit hours |
| Upper-Level Non-Major Elective | Upper-Level Non-Major Elective | |
| Non-Major Elective | | Other Degree Requirements: 30 credit hours |
| | | |
| Total Hours: 12 | Total Hours: 12 | Total= 120 |

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