

**Program for B.A. CHEMISTRY/BIOCHEMISTRY**  
**Environmental, Forensics, and Pre-Medical Specializations**

Academic Year	FALL	SPRING	SUMMER
Freshman	CHM 2045/L General Chemistry I/ lab MAC 2311 Calculus I BOT 2010/L General Botany/lab	CHM 2046/L General Chemistry II / lab MAC 2312 Calculus II ZOO 1010/L General Zoology/lab	
Sophomore	CHM 2210/L Organic I / lab PHY 2048/L Physics I / lab or PHY 2053/L General Physics I/lab	CHM 2211/L Organic II / lab PHY 2049/L Physics II / lab or PHY 2054/L General Physics II/lab	
Junior	Chemistry Elective*	CHM 3120/L Analytical / lab CHM 3400 Basic Physical Chemistry	
Senior	CHM 4611 Inorganic Chemistry Elective*	Chemistry Elective* Chemistry Elective*	<b>Total Prerequisite Credits 32</b> <b>Total Chemistry Credits 40</b> <b>Upper Division Chemistry 24</b> <b>Specialization Credits 15-19</b> <b>Upper Division Electives 6-9</b>

**12 additional credits hours in chemistry are required from the following list.**

CHM 3740L - Advanced Lab Techniques; CHM 3230 - Organic III; CHM 4512 Computational Chemistry; CHM 4455/L Polymer Chemistry; CHM 4130/L Instrumental Analysis; CHM 4930 Advanced Topics in Chemistry; CHM 4714C Materials, Chemistry, and Engineering; or CHM 4912 Undergraduate Chemistry Research

**Major Related Courses (15-19 hours)**

*Environmental Option (19 sh)*

GLY 2010/L Physical Geology/laboratory

GLY 3031C Environmental Geology

GEO 3260/L Geography of Soils/laboratory

GEO 4280/L Basic Hydrology/laboratory

Choose one course:

EVR 4035 Environmental Law

EVR 4037 Environmental Auditing(preferred)

*Pre-Medical Option (17-18 sh)*

PHI 4633 Biomedical Ethics

ENC 3250 Professional Writing

Choose three courses from:

PCB 3063/L Genetics/laboratory

PCB 4703 Human Physiology

MCB 3030/L Microbiology/lab

BCH 3034/L Biochemistry II /lab

\*University Physics Recommended  
for this track\*

*Forensic Sciences Option (15 sh)*

CCJ 3024 American Justice System

CCJ 4239 Criminal Investigation

PLA 4263 Evidence

Choose two courses from:

CCJ 3014 Criminology

CCJ 3060 Moral Issues in Criminal Justice

CCJ 4036 Behavioral Science and the Law

CJE 3670 Introduction to Forensic Sciences

PLA 4308 Criminal Procedure