

# CHEMISTRY

## Chemistry Major

### REQUIRED COURSES:

- CHEM 101 General Chemistry I
- CHEM 102 General Chemistry II
- CHEM 201 Organic Chemistry I
- CHEM 202 Organic Chemistry II
- CHEM 205 Quantitative Analysis
- CHEM 301 Physical Chemistry
- CHEM 330 Biochemistry
- MATH 151 Calculus I
- PHYS 191 General Physics I
- PHYS 192 General Physics II

### CAPSTONE

- CHEM 385 Capstone Writing and Presentation
- AND
- CHEM 369 Chemistry Seminar
- OR
- CHEM 319 Research/Internship
- OR
- CHEM 398 Research

Capstone Experience - The department allows students to fulfill the requirement of a capstone experience in a variety of ways. Students can combine a summer research experience (like an REU), an internship, a seminar (CHEM 369 or 370) and/or on campus research experience (CHEM 398) with CHEM 385 - Capstone Writing and Presentation to complete the capstone requirement. Students using a seminar as part of the capstone experience will need to complete a literature review of a topic explored in the seminar as a basis for their paper and presentation in CHEM 385.

Students interested in graduate work should plan on taking the following additional courses:

- CHEM 302 Physical Chemistry II
- CHEM 303 Physical Chemistry Lab
- CHEM 307 Instrumental Analysis
- CHEM 369 Chemistry Seminar
- CHEM 398 Independent Research
- CHEM 290/390 courses (as offered)
- MATH 152 Calculus II

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### REQUIRED COURSES:

- CHEM 101 General Chemistry I
- CHEM 102 General Chemistry II

### *Choose one of the following:*

- CHEM 201 Organic Chemistry I
- CHEM 202 Organic Chemistry II

### *Choose one of the following:*

- CHEM 205 Quantitative Analysis
- CHEM 307 Instrumental Analysis

### *Choose one Chemistry Elective:*

- Must be approved by the department.