

# Chemistry

## Degree Type

Bachelor of Science - Major

## Major Requirements

Consists of 47-50 credit hours including the following courses:

### Required Courses

Course Code	Title	Credits
CHEM-161	General Chemistry I	4
CHEM-162	General Chemistry II	4
CHEM-305	Organic Chemistry I	4
CHEM-310	Organic Chemistry II & Spectroscopy	5
CHEM-370	Advanced Inorganic Chemistry	4
CHEM-380	Instrumental Analysis	4
CHEM-415	Physical Chemistry for the Life Sciences	3
CHEM-427	Physical Chemistry II with Laboratory	4
CHEM-460	Capstone Seminar	2
PHYS-221	General Physics I	4

### Choose one course from the following:

Course Code	Title	Credits
MATH-130	Survey of Calculus	3
MATH-133	Calculus I	4

### Two additional courses chosen from the following

Course Code	Title	Credits
CHEM-350	Introduction to Quantum and Statistical Mechanics	3
CHEM-360	Advanced Organic Chemistry	3
CHEM-362	Medicinal Chemistry	3
CHEM-365	Computational Chemistry	3
CHEM-385	Forensic Chemistry	4
CHEM-450	Special Topics	3
BCHM-355	Biochemistry I	3
BCHM-356	Biochemistry I With Lab	4
BCHM-455	Biochemistry II	3

Students cannot take both BCHM-355 and BCHM-356. One or the other is allowed.

Total Credits	47-50
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