

**Student ID:** \_\_\_\_\_  
**Student Name:** \_\_\_\_\_  
**Adviser Name:** \_\_\_\_\_

**Catalog: 2019-20 College of Liberal Arts**  
**Program: Chemistry Minor**  
**Minimum Credits Required:** \_\_\_\_\_

## Chemistry Minor

Meet the Faculty

Chemistry explores matter and its properties, its physical and chemical transformations, and energy changes associated with these transformations. Bridging traditional humanities on one hand and modern physics on the other, chemistry is a central subject in a liberal arts curriculum. "Every aspect of our world today – even politics and international relations – is affected by chemistry," said Linus Pauling. Chemists search for new molecules in space; make new useful materials; solve problems of the environment, energy, health, and food production; and probe how organisms work.

The chemistry department offers a program of study leading to certification as a chemist by the American Chemical Society Committee on Professional Training and designed to develop critical thinking, problem solving, and communication skills. Many graduates continue their education in graduate or professional school and become chemists, teachers, doctors, lawyers, biochemists, pharmacists, veterinarians, engineers, and business people.

## Minor Requirements

Six (6) courses are required.

### Foundational Courses (4 courses)

Course Name	Crs:	Term Taken	Grade	Gen Ed
CHM 120 - Chemistry I <b>or</b> CHM 130 Advanced Chemistry I <i>Prereq(s):</i> Completion of Math Skills Inventory				
CHM 121 - Chemistry II <b>or</b> CHM 131 Advanced Chemistry II <i>Prereq(s):</i> CHM 120 or CHM 130 or consent.				
CHM 220/220L - Organic Chemistry I <i>Prereq(s):</i> C- in CHM 121 or CHM 131 or consent.				
CHM 221/221L - Organic Chemistry II <i>Prereq(s):</i> CHM 220/220L.				

### Departmental Electives (10 Credits)

Course Name	Crs:	Term Taken	Grade	Gen Ed
BCH 335 - Biochemistry <i>Prereq(s):</i> BIO 121 and CHM 221/221L.				
CHM 301 - Inorganic Chemistry <i>Prereq(s):</i> CHM 221/221L or consent.				
CHM 305 - Physical Chemistry I <i>Prereq(s):</i> CHM 121 or CHM 131 or consent.				
CHM 306 - Physical Chemistry II <i>Prereq(s):</i> CHM 305.				
CHM 320 - Analytical Chemistry <i>Prereq(s):</i> CHM 221/221L				
CHM 400 - Advanced Analytical Chemistry <i>Prereq(s):</i> CHM 320.				
CHM 420 - Medicinal Chemistry <i>Prereq(s):</i> BCH 335				
CHM 445 - Advanced Integrated Laboratory <i>Prereq(s):</i> consent.				
CHM 460 - Advanced Topics in Chemistry <i>Prereq(s):</i> Determined by instructor.				

### Note:

Students interested in pursuing graduate studies or employment in a laboratory setting are advised to take CHM 320 as one of their electives.

### Notes: