



## 2017-2018 PROGRAM REQUIREMENTS Minor: Chemistry

### **About This Minor. . .**

Chemistry can be described as the systematic study of matter in the universe. It is often referred to as the “central science” in that it acts as the connection between many other disciplines including physics, biology, engineering, earth science, environmental science and medicine. As such, a strong background in chemistry is a wonderful complement to many other majors. A chemistry minor should be considered by any student who is interested in a career in science, medicine, patent law, forensics, or technical sales.

### **Advising Process and DegreeWorks**

This document is intended for informational purposes to help determine what courses and associated requirements are needed to earn a minor. Meeting with an academic advisor is essential in planning courses and developing a suggested course sequencing. It is ultimately the student’s responsibility to understand and fulfil the requirements for her/his intended minor.

DegreeWorks is an online degree audit tool available in MAVzone. It is the official record used by the Registrar’s Office to evaluate progress towards a minor. Students are responsible for reviewing their DegreeWorks audit on a regular basis and should discuss questions or concerns with their advisor or academic department head for the minor. Discrepancies in requirements should be reported to the Registrar’s Office.

### **Graduation Process**

A minor cannot be awarded by itself. It must be combined with a baccalaureate degree outside the major field of study. Students should follow the graduation process outlined for the baccalaureate degree and list their majors and minors on the “Intent to Graduate” form.

If a student’s petition for graduation is denied, it will be her/his responsibility to consult the Registrar’s Office regarding next steps.

### **INSTITUTIONAL MINOR REQUIREMENTS**

The following institutional requirements apply to all CMU minors. Specific programs may have different requirements that must be met in addition to institutional requirements.

- A minor consists of 15-24 semester hours. There may be prerequisites required for the minor which will increase the total number of credit hours for a student who has not already taken those prerequisites.
- Courses taken to satisfy Essential Learning, major requirements, or electives **can** be counted toward the minor if applicable.
- At least 33 percent of the credit hours required for the minor must be in courses numbered 300 or above.
- At least 25 percent of the classes must be taken at CMU.
- 2.00 cumulative GPA or higher for the courses used for the minor.
- A minor is not a degree by itself and must be earned at the same time as a baccalaureate degree.
- A minor must be outside the major field of study.
- A student may earn up to five minors with any baccalaureate degree at CMU.
- The Catalog Year determines which program sheet and degree requirements a student must fulfill in order to graduate. Visit with your advisor or academic department to determine which catalog year and program requirements sheet you should follow.
- See "Requirements for Undergraduate Degrees and Certificates" in the catalog for a complete list of graduation requirements.

### **PROGRAM-SPECIFIC MINOR REQUIREMENTS**

- 24 semester hours total for the minor in Chemistry.
- 2.00 cumulative GPA or higher in the minor is required.

### **REQUIRED COURSES FOR THE CHEMISTRY MINOR** (24 semester hours)

- CHEM 131 - General Chemistry (4)
- CHEM 131L - General Chemistry Lab (1)
- CHEM 132 - General Chemistry (4)
- CHEM 132L - General Chemistry Lab (1)
- CHEM 311 - Organic Chemistry (4)
- CHEM 311L - Organic Chemistry Lab (1)

Choose 9 semester hours of upper division chemistry courses. At least one semester hour must be a laboratory course from the list below. No more than one semester hour can be from research courses (CHEM 397 or CHEM 487).

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

Laboratory courses:

- CHEM 301L - Analytical Chemistry Lab (1)
- CHEM 312L - Organic Chemistry Lab (1)
- CHEM 315L - Biochemistry I Lab (1)
- CHEM 397 - Structured Research (1-3)
- CHEM 431L - Instrumental Analysis Lab (1)
- CHEM 487 - Formal Research (1-3)