CHEMISTRY MINOR

Minor - Chemistry (Minor)

College Humanities & Sciences

Degree Specific Credits: 31

Required Cumulative GPA: 2.0

Catalog Year: 2017-2018

Summary

Lower Core Courses 18
Upper Core Courses 7-8
Physical Chemistry Requirement 3-4
Upper Division Electives 6-8
Total Hours 34-38

Lower Core Courses

Rule: Must complete all of the following:

- CHMY 141N & CHMY 142N College Chemistry I and College Chemistry I Lab 5
- CHMY 143N & CHMY 144N College Chemistry II and College Chemistry II Lab 5
- CHMY 221 Organic Chemistry I 3
- CHMY 222 Organic Chemistry I Lab 2
- CHMY 223 Organic Chemistry II 3

Total Hours 18

Minimum Required Grade: C-

Upper Core Courses

Rule: Must complete the following:

- CHMY 311 Analytical Chem-Quant Analysis 4

Total Hours 4

Minimum Required Grade: C-

Physical Chemistry Requirement

Rule: Must complete one of the following:

- CHMY 360 Applied Physical Chemistry 3-4
  or CHMY 373 Phys Chem-Kntcs & Thrmodynamcs

Total Hours 3-4

Minimum Required Grade: C-

Upper Division Electives

Rule: Must complete two of the following:

Select two of the following: 6-8

- BCH 380 Biochemistry
- BCH 480 Advanced Biochemistry I
- BCH 482 Advanced Biochemistry II
- CHMY 371 Phys Chem-Qntm Chm & Spectrscoy
- CHMY 401 Advanced Inorganic Chemistry
- CHMY 403 Descriptive Inorganic Chem
- CHMY 442 Aquatic Chemistry
- CHMY 465 Organic Spectroscopy

Total Hours 6-8

Minimum Required Grade: C-

Teaching Chemistry Concentration

A teaching minor is an academic minor which may contain different course requirements designed to meet state standards. Those interested in teaching in K-12 schools must complete a teaching major in a content area plus the teacher preparation program through the Department of Curriculum and Instruction. Additional teaching areas can be added through completion of either a teaching major or a teaching minor in that content area.

- Secondary Education Licensure Program (http://www.coehs.umt.edu/departments/currinst/undergradprograms/seced/default.php)
- Licensure Degree Requirements (catalog.umt.edu/colleges-schools-programs/education-human-sciences/teaching-learning/lic-secondary-licensure)

Teaching Licensure Requirements

Note: Students must be formally admitted to the Teacher Education Program and complete all of the professional education licensure requirements. See the Department of Curriculum & Instruction (catalog.umt.edu/colleges-schools-programs/education-human-sciences/teaching-learning) in the College of Education and Human Sciences (catalog.umt.edu/colleges-schools-programs/education-human-sciences) for more information. A minor GPA of 2.75 is required to be eligible for student teaching. Individuals completing a teaching minor must also complete a teaching major in another content area.

Teaching Preparation Requirements

Rule: Must complete all of the following:

Note: The EDU 497 course number is used for multiple courses. Students should register for EDU 497 Methods: 5-12 Science.

- EDU 497 Teaching and Assessing 3
- ENST 472 Gen Sci: Conservation Education 3

Total Hours 6

Minimum Required Grade: C-