CHEMISTRY B.A.

The courses required for the B.A. degree provide a less extensive training in chemistry than do the courses required for the American Chemical Society certified B.S. degree. This is to allow the student to supplement his or her program with courses that meet his or her specific needs. Thus this degree provides the core of traditional preparation in chemistry together with latitude for combination with an interdisciplinary field or the Teacher Preparation program. It is strongly advised that students using this degree obtain faculty advice in planning their program.

Bachelor of Arts - Chemistry

College Humanities & Sciences

Degree Specific Credits: 89
Required Cumulative GPA: 2.0
Catalog Year: 2017-2018

General Education Requirements
Information regarding these requirements can be found in the General Education Section (http://catalog.umt.edu/academics/general-education-requirements) of the catalog.

Summary

<table>
<thead>
<tr>
<th>Category</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Lower Core Courses</td>
<td>45</td>
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<tr>
<td>General Chemistry</td>
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<tr>
<td>Organic Chemistry</td>
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<td>Physics</td>
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<tr>
<td>Mathematics</td>
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<td>Computer Science</td>
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<td>Upper Core Courses</td>
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<tr>
<td>Analytical Chemistry</td>
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<tr>
<td>Physical Chemistry</td>
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<tr>
<td>Advanced Electives</td>
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<td>Modern Foreign Language</td>
<td>10</td>
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<td>Ethics</td>
<td>3</td>
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<tr>
<td>Total Hours</td>
<td>89</td>
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</tbody>
</table>

Lower Core Courses
Rule: All subcategories must be completed

General Chemistry
Rule: Complete both courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
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<tbody>
<tr>
<td>CHMY 141N</td>
<td>College Chemistry I</td>
<td>5</td>
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<tr>
<td>&amp; CHMY 142N</td>
<td>and College Chemistry I Lab</td>
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</tbody>
</table>
CHMY 371  Phys Chem-Qntm Chm & Spcrscpy  4
CHMY 373  Phys Chem-Kntcs & Thrdynmcs  4
Total Hours  8
Minimum Required Grade: C-

Advanced Electives
Rule: Complete 15 credits of advanced electives
Note: Complete 15 credits of advanced electives approved by Chemistry Adviser
Minimum Required Grade: C-
15 Total Credits Required

Modern Foreign Language
Rule: Complete 10 credits of modern foreign language
Minimum Required Grade: Pass
10 Total Credits Required

Ethics
Rule: Complete the following course
Note:
Minimum Required Grade: C-

Teaching Chemistry Concentration
To sign up for this option, you need to contact the Curriculum and Instruction Department. Do not fill out a major/minor form for graduation or the major/minor/concentration section of the major change form. Approvals for this option must come from the Curriculum and Instruction Department.

Concentrations will not appear on your UM transcript, diploma, university lists, student data system, or university publication and are used for advising purposes only. You do not fill out a major change for a concentration.

Individuals interested in teaching in K-12 schools must complete a degree in the content area they want to teach plus the teacher preparation program through the Department of Curriculum and Instruction. Individuals must complete the teaching major/teaching concentration within that degree program, which may contain different course requirements than the academic major since the sequence of courses is designed to meet state standards. Upon completion of the degree program with the teaching concentration and the secondary licensure program, one will be eligible for a standard Montana teaching license in this content area.

• Secondary Education Licensure Program (http://www.coehs.umt.edu/departments/currinst/undergradprograms/seced/default.php)

Teaching Preparation Requirements
Rule: Complete both 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  4
ENST 472  Gen Sci: Conservation Education  3
Total Hours  7
Minimum Required Grade: C-

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 (http://catalog.umt.edu/colleges-schools-programs/education-human-sciences/teaching-learning) in the College of Education and Human Sciences (http://catalog.umt.edu/colleges-schools-programs/education-human-sciences) for more information. A major GPA of 2.75 is required to be eligible for student teaching.