CHEMISTRY BACHELOR OF SCIENCE DEGREE

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Understand the basic principles and laws governing our world and have a global awareness of their discipline.
- Demonstrate basic competency in laboratory, field and computer skills related to the sciences.
- Be familiar with accessing and interpreting the scientific literature.
- Be proficient in written and oral communication in the sciences.
- Understand scientific methodology, and conduct scientific investigations using it.
- Be prepared to participate in professional activities.

Required Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tr>
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<td>General Education Requirements (<a href="https://catalog.msubillings.edu/undergraduate/general-education-requirements/">https://catalog.msubillings.edu/undergraduate/general-education-requirements/</a>)</td>
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</table>

Students should consult with an academic advisor before registering for General Education courses in order to minimize the number of courses needed to satisfy the requirements of the major.¹

Note: 7 credits will be filled with requirements below, leaving 24 credits needed in General Education.

Chemistry

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Mathematics

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<td>STAT 216</td>
<td>Introduction to Statistics *</td>
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<tr>
<td>M 171 &amp; M 172</td>
<td>Calculus I and Calculus II *</td>
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<tr>
<td>M 161</td>
<td>Survey of Calculus (Plus 5 credits of math electives) *</td>
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Physics

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Subtotal: 8

Science and Math electives selected with advisor approval: 23

Electives: 6

Electives should be chosen in consultation with an academic advisor.

Total Minimum Credits: 120

¹ The following General Education courses also satisfy requirements in the major: CHMY 141/CHMY 142, M 171, and STAT 216.

* May satisfy General Education requirements.

Certain courses in this program have prerequisites; students should check the course descriptions for required prerequisites.

Suggested Plan of Study

Starting in the Fall of Even Year

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<td>Principles of Living Systems and Principles Living Systems Lab</td>
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Spring

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<tr>
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<td>M 172</td>
<td>Calculus II</td>
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Second Year

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Spring
### Chemistry Bachelor of Science Degree

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### Starting in the Fall of Odd Year

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<td>BIOB 160 &amp; BIOB 161</td>
<td>Principles of Living Systems and Principles Living Systems Lab</td>
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### Starting in the Fall of Even Year

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