ADVANCED CHEMISTRY OPTION

This option is offered within the following major(s):

- Chemistry - College of Science (http://catalog.oregonstate.edu/college-departments/science/chemistry/chemistry-ba-bs-hba-hbs)

This track-one option leads to a degree approved by the American Chemical Society. Designed for students continuing their chemistry education in graduate school or seeking careers directly in the chemistry workforce. This provides the most rigorous and complete chemistry foundation with the most extensive laboratory experience. Undergraduate research is strongly encouraged. Knowledge and skills are developed in organic, analytical, physical and inorganic chemistry. Six advanced laboratory courses are required. Students have a choice of electives that support their career goals.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BB 450</td>
<td>GENERAL BIOCHEMISTRY</td>
<td>4-6</td>
</tr>
<tr>
<td>or BB 490</td>
<td>BIOCHEMISTRY 1: STRUCTURE AND FUNCTION</td>
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<tr>
<td>&amp; BB 491</td>
<td>and BIOCHEMISTRY 2: METABOLISM</td>
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<tr>
<td>CH 411 &amp; CH 412</td>
<td>INORGANIC CHEMISTRY</td>
<td>6</td>
</tr>
<tr>
<td>CH 461</td>
<td>EXPERIMENTAL CHEMISTRY II</td>
<td>3</td>
</tr>
<tr>
<td>CH 462 &amp; CH 463 &amp; CH 464</td>
<td>*EXPERIMENTAL CHEMISTRY II</td>
<td>9</td>
</tr>
<tr>
<td>MTH 256 or MTH 341</td>
<td>APPLIED DIFFERENTIAL EQUATIONS</td>
<td>3-4</td>
</tr>
<tr>
<td>Career-supportive electives (CSE)</td>
<td>1</td>
<td>12</td>
</tr>
</tbody>
</table>

Total Hours: 37-40

^ Writing Intensive Course (WIC)

Note: BB 491 BIOCHEMISTRY 2: METABOLISM fulfills 2 credits of Career Supported Electives if taken with BB 490 BIOCHEMISTRY 1: STRUCTURE AND FUNCTION.

Option Code: 521