General Science Broadfield

The General Science Broadfield program prepares students to be licensed to teach all middle and senior high school science areas in the state of Montana. See the Teacher Education Program (http://catalog.montana.edu/undergraduate/education-health-human-development/department-education/#teachereducationrequirementstext) page for entrance requirements.

Secondary level endorsement will cover grades five through twelve for all applicants graduating from approved programs. Practicum and student teaching experiences are coordinated through the Office of Field Placement & Licensure (http://www.montana.edu/fieldplacement/).

Program Sequence

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Credits</th>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDU 101US - Teaching and Learning</td>
<td>3</td>
<td></td>
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<tr>
<td>HDFS 101IS - Indiv and Fam Dev: Lifespan</td>
<td>3</td>
<td></td>
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<tr>
<td>BIOB 170IN - Principles of Biological Diversity</td>
<td>4</td>
<td></td>
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<tr>
<td>M 161Q - Survey of Calculus</td>
<td>4</td>
<td></td>
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<tr>
<td>W Core</td>
<td>3</td>
<td></td>
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<tr>
<td>EDU 221IS - Educ Psych and Adolescent Dev</td>
<td>3</td>
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<tr>
<td>or EDU 222IS - Educ Psych &amp; Child Development</td>
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<tr>
<td>CHMY 141 - College Chemistry I</td>
<td>4</td>
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<tr>
<td>PHSX 205 - College Physics I</td>
<td>4</td>
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<tr>
<td>IA/RA Core</td>
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<tr>
<td>Elective</td>
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<th>Sophomore Year</th>
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<tr>
<td>EDU 370 - Integrating Tech into Educ</td>
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<tr>
<td>BIOB 160 - Principles of Living Systems</td>
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<tr>
<td>CHMY 143 - College Chemistry II</td>
<td>4</td>
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<tr>
<td>PHSX 207 - College Physics II</td>
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<tr>
<td>EDU 211D - Multicultural Education</td>
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<tr>
<td>BIOE 370 - General Ecology</td>
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<td>CHMY 211 - Elements of Organic Chemistry</td>
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<tr>
<td>ERTH 101IN - Earth System Sciences</td>
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<tr>
<td>Elective</td>
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<td></td>
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<td>Year Total:</td>
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<tr>
<th>Junior Year</th>
<th>Credits</th>
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<tbody>
<tr>
<td>EDSP 306 - Exceptional Learners</td>
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<tr>
<td>BIOB 375 - General Genetics</td>
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<tr>
<td>BIOO 412 - Animal Physiology</td>
<td>3</td>
<td></td>
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<tr>
<td>or BIOO 433 - Plant Physiology</td>
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<tr>
<td>Earth Science Elective - Choose one of the following:</td>
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<tr>
<td>ERTH 212RN - Yellowstone: Scientific Lab</td>
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<tr>
<td>ERTH 303 - Weather and Climate</td>
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<tr>
<td>GEO 103CS - Intro to Environmt Geology</td>
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<tr>
<td>GEO 211 - Earth History and Evolution</td>
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<tr>
<td>GEO 315 - Structural Geology</td>
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</tbody>
</table>

A minimum of 128 credits is required for graduation; 42 of these credits must be in courses numbered 300 and above.

Note: While we recommend this sequence, there will be some variance, especially between courses taken by the end of the junior year and first-semester senior year.
Font Notice

This document should contain certain fonts with restrictive licenses. For this draft, substitutions were made using less legally restrictive fonts. Specifically:

Times was used instead of Adobe Garamond Pro.

The editor may contact Leepfrog for a draft with the correct fonts in place.