## Geography Minor

**Minor - Geography**

**College of Humanities & Sciences**

Degree Specific Credits: 19

Required Cumulative GPA: 2.0

Catalog Year: 2018-2019

### Summary

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Introduction to Geography</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>Regional Core</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Geographic Methods</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Upper-Division Systematic Geography</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Teaching Geography Track</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Total Hours</strong></td>
<td><strong>19</strong></td>
</tr>
</tbody>
</table>

Minimum Required Grade: C-

### Introduction to Geography

Complete all of the following courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GPHY 111N</td>
<td>Intro to Physical Geography</td>
<td>3</td>
</tr>
<tr>
<td>GPHY 112N</td>
<td>Intro to Phys Geography Lab</td>
<td>1</td>
</tr>
<tr>
<td>GPHY 121S</td>
<td>Human Geography</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Total Hours</strong></td>
<td><strong>7</strong></td>
</tr>
</tbody>
</table>

Minimum Required Grade: C-

### Regional Core

Complete one of the following courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GPHY 141S</td>
<td>Geography of World Regions</td>
<td>3</td>
</tr>
<tr>
<td>GPHY 144</td>
<td>Glacier National Park in Winter</td>
<td></td>
</tr>
<tr>
<td>GPHY 241</td>
<td>Montana</td>
<td></td>
</tr>
<tr>
<td>GPHY 245X</td>
<td>The Middle East</td>
<td></td>
</tr>
<tr>
<td>GPHY 342</td>
<td>North America</td>
<td></td>
</tr>
<tr>
<td>GPHY 344</td>
<td>Crown of the Continent</td>
<td></td>
</tr>
<tr>
<td>GPHY 347</td>
<td>Regional Geography (Multiple Regions)</td>
<td></td>
</tr>
<tr>
<td>GPHY 348</td>
<td>Field Studies in Geography</td>
<td></td>
</tr>
<tr>
<td>GPHY 444</td>
<td>High Asia</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Total Hours</strong></td>
<td><strong>3</strong></td>
</tr>
</tbody>
</table>

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### Geographic Methods

Complete one of the following courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GPHY 284</td>
<td>Intro to GIS and Cartography</td>
<td></td>
</tr>
<tr>
<td>GPHY 385</td>
<td>Field Techniques</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Total Hours</strong></td>
<td><strong>3</strong></td>
</tr>
</tbody>
</table>

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### Upper-Division Systematic Geography

**Rule:** Complete at least 1 course from 2 of the following 3 subcategories. 6 total credits required.

#### Physical Geography

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ERTH 303N</td>
<td>Weather and Climate</td>
<td></td>
</tr>
<tr>
<td>GPHY 311N</td>
<td>Biogeography</td>
<td></td>
</tr>
<tr>
<td>GPHY 314</td>
<td>Global Mountain Environments</td>
<td></td>
</tr>
<tr>
<td>GPHY 317</td>
<td>Geomorphology</td>
<td></td>
</tr>
<tr>
<td>GPHY 438</td>
<td>Mountain Field Study</td>
<td></td>
</tr>
<tr>
<td>GPHY 525</td>
<td>Advanced Physical Geography</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Total Hours</strong></td>
<td><strong>3</strong></td>
</tr>
</tbody>
</table>

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#### Geography and Society

Complete one of the following courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GPHY 323S</td>
<td>Economic Geography of Rural Areas</td>
<td></td>
</tr>
<tr>
<td>GPHY 421</td>
<td>Sustainable Cities</td>
<td></td>
</tr>
<tr>
<td>GPHY 434</td>
<td>Food and Famine</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Total Hours</strong></td>
<td><strong>3</strong></td>
</tr>
</tbody>
</table>

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#### Human Environment Interaction

Complete one of the following courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GPHY 335</td>
<td>Water Policy</td>
<td></td>
</tr>
<tr>
<td>GPHY 338</td>
<td>Mountains and Society</td>
<td></td>
</tr>
<tr>
<td>GPHY 432</td>
<td>Human Role Environmental Change</td>
<td></td>
</tr>
<tr>
<td>GPHY 433</td>
<td>Community Resilience</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Total Hours</strong></td>
<td><strong>3</strong></td>
</tr>
</tbody>
</table>

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### Teaching Geography Track

Notes:

- This teaching track contains different/additional course requirements designed to meet state standards. Those interested in teaching in K-12 schools must complete the teaching track of a major in a teaching content area plus the Teacher Education Program through the Department of Teaching and Learning. Additional teaching areas can be added through completion of the teaching track of a major or minor in that content area.
- Secondary Education Licensure Program (http://www.coehs.umt.edu/departments/currinst/undergradprograms/seced/default.php)
• Licensure Degree Requirements (http://catalog.umt.edu/colleges-schools-programs/education-human-sciences/teaching-learning/lic-secondary-licensure)

• To complete this teaching track, you need to contact the Teaching and Learning Department. You do not fill out a major/minor form for graduation or the major/minor/concentration section of the major change form. Approvals for this track must come from the Teaching and Learning Department.

• Tracks will not appear on your UM transcript, diploma, university lists, student data system, or university publications. They are used for advising purposes only. You do not fill out a major change for a track.

• Individuals completing the teaching track of this minor must also complete the teaching track of a major in another teaching content area.

**Teaching Geography Required Course**

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

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Complete the following course:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EDU 497</td>
<td>Teaching and Assessing</td>
<td>4</td>
</tr>
<tr>
<td>Total Hours</td>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>

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**Secondary Teaching Licensure**

*Note:* For endorsement to teach geography, a student also must gain admission to the Teacher Education Program and meet all the requirements for secondary teaching licensure (http://catalog.umt.edu/colleges-schools-programs/education-human-sciences/teaching-learning/lic-secondary-licensure). For more information, see the Teaching and Learning Department (http://catalog.umt.edu/colleges-schools-programs/education-human-sciences/teaching-learning).