GEOGRAPHY B.A.

The general geography B.A. degree (without concentration) is very flexible. In addition to meeting the core requirements for all geography majors, students may choose electives in geography (minimum 17, maximum 31 elective credits) from the fields of regional geography, geographic methods and techniques, or systematic geography (physical geography, human-environment interaction, or geography and society).

Bachelor of Arts - Geography

College of Humanities & Sciences

Degree Specific Credits: 36

Required Cumulative GPA: 2.5

Catalog Year: 2018-2019

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>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Introduction to Geography</strong></td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>Regional Geography Course</td>
<td>3</td>
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<tr>
<td></td>
<td>Geographic Methods</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Upper-Division Systematic Geography</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td>Physical Geography</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Human Environment Interaction</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Capstone</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Upper-Division Writing</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Degree Electives</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>Mathematics Requirement</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Teaching Geography Track</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Total Hours</td>
<td>36</td>
</tr>
</tbody>
</table>

Introduction to Geography

Complete all of the following courses:

- GPHY 111N  Intro to Physical Geography  3
- GPHY 112N  Intro to Phys Geography Lab  1
- GPHY 121S  Human Geography              3

Total Hours 7

Minimum Required Grade: C-

Regional Geography Course

Complete one of the following courses:

- GPHY 141S  Geography of World Regions  3
- GPHY 144   Glacier National Park in Winter
- GPHY 241   Montana
- GPHY 245X  The Middle East
- GPHY 342   North America
- GPHY 344   Crown of the Continent
- GPHY 347   Regional Geography (Multiple Regions)
- GPHY 348   Field Studies in Geography
- GPHY 444   High Asia

Total Hours 3

Minimum Required Grade: C-

Geographic Methods

Complete all of the following courses:

- GPHY 284  Intro to GIS and Cartography  3
- GPHY 385  Field Techniques             3

Total Hours 6

Minimum Required Grade: C-

Upper-Division Systematic Geography

Rule: Complete the following subcategories. 9 total credits required.

Physical Geography

Complete one of the following courses:

- ERTH 303N  Weather and Climate
- GPHY 311N  Biogeography
- GPHY 314   Global Mountain Environments
- GPHY 317   Geomorphology
- GPHY 438   Mountain Field Study
- GPHY 525   Advanced Physical Geography

Total Hours 3

Minimum Required Grade: C-

Geography and Society

Complete one of the following courses:

- GPHY 323S  Economic Geography of Rural Areas  3
- GPHY 421   Sustainable Cities
- GPHY 434   Food and Famine

Total Hours 3

Minimum Required Grade: C-
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>3</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>
</tbody>
</table>

Total Hours 3

Minimum Required Grade: C-

Capstone

**Note:** Seniors graduating in spring or summer must enroll in GPHY 400 in fall, attend GPHY 500 in fall, and complete course requirements in spring. Seniors graduating in fall must enroll in fall and complete course requirements in fall.

Complete the following course:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GPHY 400</td>
<td>Geography Capstone</td>
<td>1</td>
</tr>
</tbody>
</table>

Total Hours 1

Minimum Required Grade: C-

Upper-Division Writing

**Note:** GPHY 335 or GPHY 433 will also count toward the upper division core requirements GPHY 499 will also count toward upper division elective credits.

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>3</td>
</tr>
<tr>
<td>GPHY 433</td>
<td>Community Resilience</td>
<td></td>
</tr>
<tr>
<td>GPHY 499</td>
<td>Senior Thesis</td>
<td></td>
</tr>
</tbody>
</table>

Total Hours 3

Minimum Required Grade: C-

Degree Electives

**Note:** Students must fulfill the degree credit total of 36 credits plus the university requirement for 39 upper division credits.

Complete 7 credits of GPHY electives.

Minimum Required Grade: C-

Mathematics Requirement

**Note:** Students are encouraged to take M 115. Students who successfully complete M 122, M 171, or M 172 also meet the degree specific Mathematics requirement. This requirement does not count towards degree credits.

Complete one of the following courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>M 115</td>
<td>Probability and Linear Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>M 121</td>
<td>College Algebra</td>
<td></td>
</tr>
<tr>
<td>M 151</td>
<td>Precalculus</td>
<td></td>
</tr>
<tr>
<td>M 162</td>
<td>Applied Calculus</td>
<td></td>
</tr>
</tbody>
</table>

Total Hours 3

Minimum Required Grade: C-

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)
  - (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.
  - This major does not qualify as a single field endorsement. Individuals must complete the teaching track in a second major or minor in another teaching content area.

Teaching Geography Track Required Courses

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

Complete the following course.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDU 497</td>
<td>Teaching and Assessing</td>
<td>4</td>
</tr>
</tbody>
</table>

Total Hours 4

Minimum Required Grade: C-

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