

# GEOGRAPHY EDUCATION MINOR

- This minor contains course requirements designed to meet state standards. Those interested in teaching in K-12 schools must complete the education/teaching concentration 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 education/teaching concentration of a major or education/teaching 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/teaching-learning/lic-secondary-licensure/>)
- To complete this minor, you need to contact the Teaching and Learning Department. Approvals for this minor must come from the Teaching and Learning Department.
- Individuals completing this minor must also complete the education/teaching concentration of a major in another teaching content area.

## Minor - Geography Education

### Summary

Code	Title	Hours
	Introduction to Geography	7
	Regional Core	3
	Geographic Methods	3
	Upper-Division Systematic Geography	6
	Geography Education Requirement	3
<b>Total Hours</b>		<b>22</b>

Degree Specific Credits: 22

Required Cumulative GPA: 2.0

### Introduction to Geography

Code	Title	Hours
<b>Complete all of the following courses:</b>		
GPHY 111N	Intro to Physical Geography: Climate, Landforms, and Vegetation	3
GPHY 112N	Intro to Physical Geography Laboratory: Climate, Landforms, and Vegetation	1
GPHY 121S	Human Geography	3
<b>Total Hours</b>		<b>7</b>

Minimum Required Grade: C-

### Regional Core

Code	Title	Hours
<b>Complete one of the following courses:</b>		
GPHY 141S	Geography of World Regions	3
GPHY 144	Glacier National Park in Winter	
GPHY 241	Montana	
GPHY 245	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	
<b>Total Hours</b>		<b>3</b>

Minimum Required Grade: C-

### Geographic Methods

Code	Title	Hours
<b>Complete one of the following courses:</b>		
GPHY 284	Intro to GIS and Cartography	3
GPHY 385	Field Techniques	
<b>Total Hours</b>		<b>3</b>

Minimum Required Grade: C-

### Upper-Division Systematic Geography

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

#### Physical Geography

Code	Title	Hours
<b>Complete one of the following courses:</b>		
ERTH 303N	Weather and Climate	3
GPHY 311N	Biogeography	
GPHY 314	Global Mountain Environments	
GPHY 317	Geomorphology	
GPHY 438	Mountain Field Study	
GPHY 525	Advanced Physical Geography	
<b>Total Hours</b>		<b>3</b>

Minimum Required Grade: C-

#### Geography and Society

Code	Title	Hours
<b>Complete one of the following courses:</b>		
GPHY 323S	Economic Geography of Rural Areas	3
GPHY 421	Sustainable Cities	
GPHY 434	Food and Famine	
<b>Total Hours</b>		<b>3</b>

Minimum Required Grade: C-

**Human Environment Interaction**

Code	Title	Hours
<b>Complete one of the following courses:</b>		<b>3</b>
GPHY 335	Water and Sustainability	
GPHY 338	Mountains and Society	
GPHY 433	Community Resilience	
<b>Total Hours</b>		<b>3</b>

Minimum Required Grade: C-

**Geography Education Requirement**

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

Code	Title	Hours
<b>Complete the following course:</b>		
EDU 497	Teaching and Assessing (5-12 Social Studies)	4
<b>Total Hours</b>		<b>4</b>

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/teaching-learning/lic-secondary-licensure/>). For more information, see the Teaching and Learning Department (<http://catalog.umt.edu/colleges-schools-programs/education/teaching-learning/>).