

GEOGRAPHY UNDERGRADUATE MINOR

Any six courses (18 credit hours) constitute a minor, but the suggested course sequences in the Requirements tab will be of interest to certain students pursuing specific majors and with certain career objectives such as planning, environmental conservation, or business.

Program Requirements

- Minimum of 18 credit hours.
- No credit hours from GES courses numbered 160-170, and 360-400 may be applied towards the Geography Minor.

General Geography Minor

Code	Title	Credit Hours
Required		18
<i>Select one physical course</i>		
<i>Select one human course</i>		
<i>Select one regional course</i>		
<i>Select one techniques course</i>		
<i>Select any two other geography courses</i>		

Minor Emphasizing Urban Planning

Code	Title	Credit Hours
Select six courses from the following:		18
GES 105	Introduction to Human Geography	
GES 301	Cities of the World	
GES 302	Urban Geography: Sustainable Land Use	
GES 303	World Population Problems	
GES 304	Sustainable Transport and Mobility	
GES 306	World Economic Geography	
GES 344	Geography of the United States and Canada	
GES 402	Sustainable Urban Planning in an Entrepreneurial Environment	
GES 432	Geography of Livable Cities	
GES 433	Regional Economic Development	

Minor Emphasizing Environmental Studies

Code	Title	Credit Hours
Select six courses from the following:		18
GES 105	Introduction to Human Geography	
GES 121	Introduction to Geographic Information Science	
GES 205	Environmental Change: Its Nature and Impact	
GES 303	World Population Problems	
GES 305	Environmental Hazards Assessment	
GES 312	Geomorphology of North America	
GES 314	Physical Geography: Landscape Processes	
GES 319	Weather and Climate	
GES 330	Elements of Hydrology	
GES 357	Principles of Cartography	

GES 359	Remote Sensing of Environment	
GES 418	Biogeography	
GES 419	Advanced Weather and Climate-Synoptic Climatology	
GES 457	Advanced Cartography	
GES 450	Applied Physical Geography	
Select one option of the following: *		3-4
<i>Option A:</i>		
GES 103 & 103L	Introduction to Earth Science and Earth Science Laboratory	
<i>Option B:</i>		
GES 108	Our Dynamic Planet	

* Either of options A or B may also be chosen, but not both.

Minor Emphasizing Geographic Information Science and Techniques

Provides the student opportunity to acquire geographic research, writing, and cartographic techniques.

Code	Title	Credit Hours
Select six courses from the following:		18
GES 105	Introduction to Human Geography	
GES 121	Introduction to Geographic Information Science	
GES 322	Research Methods in Spatial Science	
GES 357	Principles of Cartography	
GES 358	Geographic Information Systems	
GES 359	Remote Sensing of Environment	
GES 432	Geography of Livable Cities	
GES 433	Regional Economic Development	
GES 457	Advanced Cartography	
GES 459	Advanced Remote Sensing-Imaging	

Geography Minor for Majors in the School of Business and Economics

Provides the student opportunity to acquire knowledge of industrial location, international trade, demographic change and environmental impact.

Code	Title	Credit Hours
Select six courses from the following:		18
GES 102	The Historical Geography of the Western World	
GES 104	World Regional Geography	
GES 105	Introduction to Human Geography	
GES 121	Introduction to Geographic Information Science	
GES 301	Cities of the World	
GES 302	Urban Geography: Sustainable Land Use	
GES 303	World Population Problems	
GES 306	World Economic Geography	
GES 344	Geography of the United States and Canada	
GES 491	Current Topics in Regional Geography	
GES 432	Geography of Livable Cities	
GES 433	Regional Economic Development	

Select one option of the following: * **3-4**

Option A:

GES 103 Introduction to Earth Science
& 103L and Earth Science Laboratory

Option B:

GES 108 Our Dynamic Planet

* *Either of options A or B below may also be chosen, but not both.*