

**University Requirements for Minors:**

Minors are awarded at graduation only at the same time a major is awarded  
 At least nine credits must be earned at UNLV  
 12 credit hours must be earned at the 300-400 level  
 18 credit hours must be earned in the subject area (24 recommended)

**Geoscience Department Requirements:**

At least 24 credits must be earned to receive the Physical Geography Minor, as specified below.  
 At least twelve credits in GEOG and GEOL courses must be numbered 300 and above.

The Physical Geography minor is designed for students in the Colleges of Science, Education, Liberal Arts, Engineering, and others, who desire a scientific understanding of the spatial aspects of the Earth System and analysis of spatial data. The minor emphasizes the four spheres of the Earth System: Atmosphere, Lithosphere, Hydrosphere, and Biosphere.

The student and geoscience advisor must agree upon the courses chosen to satisfy the Earth & Environmental Science minor. This list must be signed by the student and advisor and placed on permanent record in the student's file. No more than 12 credits taken for the minor may be used to satisfy requirements in a major.

<b>*Core Earth &amp; Environmental Science Course Requirements*</b>	<b>11 credits</b>
GEOL 103 – Physical Geography of Earth’s Environment	<b>3 credits</b>
GEOL 104 – Physical Geography Laboratory	<b>1 credit</b>
GEOL 333 - Principles of Geomorphology	<b>3 credits</b>
GEOL 430 – Geographic Information Systems (GIS): Theory and Applications	<b>4 credits</b>
<i>Choose an additional 12 or more elective credits from the list below. (No more than 12 credits taken for the minor may be used to satisfy requirements in a major.)</i>	<b>13 credits</b>
GEOL 100 – Natural Disasters	<b>4 credits</b>
GEOL 101 - Exploring Planet Earth	<b>4 credits</b>
GEOL 110 - Global Warming	<b>3 credits</b>
GEOL 303 - Global Environmental Change	<b>3 credits</b>
GEOL 335 - Earth Resources and the Environment	<b>3 credits</b>
GEOL 421 - Climatology	<b>3 credits</b>
GEOL 410 – Soil Classification and Resource Management	<b>3 credits</b>
GEOL 446 - Geologic Application in Remote Sensing	<b>3 credits</b>

**Applications for Graduation for majors and minors are initiated on-line by the student in MyUNLV**

**The Geoscience Department LFG-104 702-895-3262**

**The College of Sciences Advising Center, MPE-A130, 702-895-2077**