

# GEOGRAPHY (ENVIRONMENTAL STUDIES) - BACHELOR OF SCIENCE

## Course and Credit Requirements

The Department of Geography and Environmental Studies offers a Bachelor of Science in Geography with a concentration in Environmental Studies. This major provides students with a strong foundation in geography, the study of how people and the environment interact across space and time, and introduces key methods such as mapping. Unlike the concentration in Geographic Information Science and Technology, the Environmental Studies concentration emphasizes integrating insights from the natural sciences, social sciences, and humanities to tackle environmental challenges using qualitative methods. Career paths for graduates include environmental consulting, policy, education, outreach, advocacy, conservation, natural resource management, renewable energy, environmental health, and sustainability.

Students must complete all University degree requirements, which include: General Education requirements, Viewing a Wider World requirements, and elective credits to total at least 120 credits with 48 credits in courses numbered 300 or above. Developmental coursework will not count towards the degree requirements and/or elective credits, but may be needed in order to take the necessary English and Mathematics coursework. A grade of "C-" or better is required for all courses taken for the major. Students may not take any of these courses S/U.

Prefix	Title	Credits
<b>General Education</b>		
<i>Area I: Communications</i>		
English Composition - Level 1		
ENGL 1110G or ENGL 1110H	Composition I Composition I Honors	4
English Composition - Level 2		
ENGL 2210G or ENGL 2210H or ENGL 2215G or ENGL 2221G	Professional and Technical Communication Professional and Technical Communication Advanced Technical and Professional Communication Writing in the Humanities and Social Science	3
Oral Communication		
COMM 1115G or COMM 1130G or HNRS 2175G	Introduction to Communication Public Speaking Introduction to Communication Honors	3
<i>Area II: Mathematics</i>		
MATH 1220G or MATH 1250G or MATH 1350G or MATH 2350G	College Algebra Trigonometry & Pre-Calculus Introduction to Statistics Statistical Methods	3
<i>Area III/IV: Laboratory Sciences and Social/Behavioral Sciences</i>		
GEOG 1110G	Physical Geography (Departmental Requirement)	4
GEOG 1120G	World Regional Geography (Departmental Requirement)	3
GEOG 1130G	Human Geography (Departmental Requirement)	3
<i>Area V: Humanities</i> <sup>1</sup>		

<i>Area VI: Creative and Fine Arts</i> <sup>1</sup>		3
<i>General Education Elective</i>		
MATH 1350G or MATH 2350G	Introduction to Statistics Statistical Methods	3
<b>Viewing a Wider World</b> <sup>2</sup>		<b>6</b>
<b>Departmental/College Requirements</b>		
<i>Foundational Mapping Courses</i>		
GEOG 2130	Map Analysis & Interpretation	3
GEOG 381	Cartography and GIS	4
<i>Human Geography, Physical Geography, and Environmental Studies Courses</i>		24-25
Select 24-25 credits from the following, choosing at least two courses from each of these three areas: Physical Geography, Human Geography, and Environmental Studies.		
<i>Physical Geography</i>		
GEOG 351	Biogeography	
GEOG 353	Geomorphology	
GEOG 357	Weather & Climate: Earth's Dynamic Atmosphere	
GEOG 452	Landscape Ecology	
<i>Human Geography</i>		
GEOG 361V	Challenges and Opportunities of Globalization	
GEOG 363V	Culture, Nature, and the Environment	
GEOG 365V	The City	
<i>Environmental Studies</i> <sup>5</sup>		
GEOG 325V	New Mexico and the American West	
GEOG 326	U.S. National Parks	
GEOG 328V	Environment and Society of Latin America	
GEOG 331V	Environment and Society of Europe	
GEOG 435	Planning a Sustainable World	
GEOG 455	Southwest Environments	
GEOG 483	Field Explorations in Geography	
<i>Second Language Requirement (required - see below)</i>		6-8
<b>Electives, to bring the total credits to 120</b> <sup>3</sup>		<b>42-45</b>
15 credits must be Upper Division		
<b>Total Credits</b>		<b>120</b>

<sup>1</sup> See the General Education (<https://catalogs.nmsu.edu/nmsu/general-education-viewing-wider-world/>) section of the catalog for a full list of courses.

<sup>2</sup> See the Viewing a Wider World (<https://catalogs.nmsu.edu/nmsu/general-education-viewing-wider-world/#viewingawiderworldtext>) (VWW) section of the catalog for a full list of courses. Geography students are required to complete two VWW courses, totaling 6 credits. One VWW course must be selected from outside the College of Arts and Sciences, and the other must be from outside the Department of Geography and Environmental Studies. Students may substitute three credits earned through a Study Abroad Experience for one of the VWW course requirements.

<sup>3</sup> Elective credits may vary depending on factors such as General Education course selection, second language requirements, prerequisites, dual credit, AP credit, double majors, and/or minor coursework. The amount listed in the requirements is what's needed to reach the total of 120 credits but may vary based on the specific degree. However, students may need to complete more or fewer credits on a case-by-case basis, so it's important to discuss elective requirements with an advisor.

## Second Language Requirement

For the Bachelor of Science in Geography with a concentration in Environmental Studies, all majors must demonstrate one-year proficiency in a foreign language (through the 1120 level, completed with a C- or better) or equivalent/placement. The options to fulfill this requirement are listed below. The number of credits required may vary depending on the student's existing language proficiency. Consult an advisor for more information on the courses needed to fulfill the second language requirement for this degree. Please note that language immersion courses are available through the Office of Experiential Learning and Education Abroad.

### Option 1:

Prefix	Title	Credits
<b>Complete one of the following sequences:</b>		
FREN 1110 & FREN 1120	French I and French II	4-8
GRMN 1110 & GRMN 1120	German I and German II	4-8
JAPN 1110 & JAPN 1120	Japanese I and Japanese II	4-8
SPAN 1110 & SPAN 1120	Spanish I and Spanish II	4-8
PORT 1110 & PORT 1120	Portuguese I and Portuguese II	3-6
<i>For Heritage Speakers:</i>		
SPAN 1210 & SPAN 1220 or SPAN 2210	Elementary Spanish for Heritage Learners I and Spanish for Heritage Learners II Spanish for Heritage Learners III	3-6

### Option 2:

Prefix	Title	Credits
<b>Complete 6 additional upper-division Geography credits beyond the major requirements.</b>		<b>6</b>

### Option 3:

Prefix	Title	Credits
<b>Complete the following sequence for American Sign Language (with a C- or better):</b>		
SIGN 1110	American Sign Language I	3
SIGN 1120	American Sign Language II	3

### Option 4:

Prefix	Title	Credits
<b>Challenge the 1120 level for the following courses:</b>		
FREN 1120 or GRMN 1120 or JAPN 1120 or SPAN 1120	French II German II Japanese II Spanish II	4
<i>OR</i>		
<b>Challenge the 1120/1220/2210 level for the following courses:</b>		
PORT 1120 or SPAN 1220 or SPAN 2210	Portuguese II Spanish for Heritage Learners II Spanish for Heritage Learners III	3

### Option 5:

Pass a three-credit, upper-division course (numbered 300 or above) taught in a second language by the department of Languages and Linguistics.

### Option 6:

Obtain college certification of completion of three years of a second language at the high school level with a grade of C- or higher in the second-year level.

### Option 7:

By obtaining certification of a working knowledge of a Native American language from the American Indian program director.

### Option 8:

By obtaining, from the head of the Department of Languages and Linguistics, certification of a working knowledge of a second language if such language is not taught at NMSU.

### Option 9:

In the case of a foreign student who is required to take the TOEFL exam admission, the dean will automatically waive the second language requirement.