

# CLIMATE SCIENCE MINOR

<https://ceps.unh.edu/earth-sciences/program/minor/climate-science>

## Description

The Department of Earth Sciences offers a minor in Climate Science available to all University students. The Climate Science minor provides an opportunity for students to complement their major field of study with foundational knowledge and essential skills in Climate Science.

Students interested in the Climate Science minor should contact [rosemarie.came@unh.edu](mailto:rosemarie.came@unh.edu) for more information.

## Requirements

[Academic policies related to Minors.](#)

Credit toward the minor will only be given for courses passed with C- or better, and a 2.00 grade-point average must be maintained in courses for the minor.

- Courses taken on a pass/fail basis may not be used for a minor.
- No more than 8 credits used to satisfy major requirements may be used for the minor.
- No more than 2 courses or 8 credits may be from transfer coursework. Any transferred coursework must be approved by the minor coordinator.

For additional details on how to declare a minor, please visit <https://www.unh.edu/registrar/academic-records/majors-minors>.

Code	Title	Credits
<b>Required Courses</b>		
ESCI 401	Dynamic Earth	4
or ESCI 402	Earth History	
or ESCI 405	Global Environmental Change	
or ESCI 409	Geology and the Environment	
or ESCI 501	Introduction to Oceanography	
ESCI 514	Introduction to Climate	3
<i>Climate and Society Course</i> <sup>1</sup>		
Complete one approved 500/600 level course. Suggested courses include:		4
SOC 565	Environment and Society	
SOC 665	Environmental Sociology	
SOC 693	Global Change and Social Sustainability	
GEOG 405	There Is No Planet B	
GEOG 473	Elements of Weather	
GEOG 574	Global Landscapes and Environmental Processes	
CEE 520	Environmental Pollution and Protection: A Global Context	
<i>Quantitative/Statistics Course</i> <sup>2</sup>		
Select one course from the following:		4
ESCI 701	Quantitative Methods in Earth Sciences	
ESCI 764	Spectral Analysis of Geophysical Time Series Data	
MATH 539	Introduction to Statistical Analysis	
<i>ESCI Climate Science Course</i>		
Select one course from the following:		3-4
ESCI 561	Landscape Evolution	
ESCI 642	Biogeosciences in the Earth System	
ESCI 705	Principles of Hydrology	
ESCI 758	Introductory Physical Oceanography	
ESCI 760	Paleoceanography	
ESCI 765	Paleoclimatology	
ESCI 777	GIS for Earth & Environmental Sciences	

ESCI 778 Remote Sensing Earth & Environmental Sciences  
Total Credits 18-19

- <sup>1</sup> The course meeting the climate and society requirement should be selected in consultation with the Climate Science Minor advisor.
- <sup>2</sup> Students may fulfill the quantitative/statistics requirement using any approved statistics course.

## Student Learning Outcomes

### Program Learning Outcomes

- Understand the broad attributes of and interactions within the Earth System.
- Describe the history of Earth's climate, how and why the climate is changing today, and how those changes impact society.
- Perform simple statistical calculations to process and evaluate quantitative climate science data.
- Summarize, analyze, and evaluate the primary climate sciences literature.