

# CLIMATE CHANGE UNDERGRADUATE ACADEMIC CERTIFICATE

- GEOG 317/517 Tree Rings and Environmental Change
- GEOG 435/535 Glaciology and the Dynamic Frozen Earth

Courses to total 12 credits for this certificate

All required coursework must be completed with a grade of 'C' or better (O-10-a (<https://catalog.uidaho.edu/colleges-related-units/agricultural-life-sciences/agricultural-economics-rural-sociology/agricultural-commodity-risk-management-undergraduate-academic-certificate/general-requirements-academic-procedures/o-miscellaneous/>)).

Code	Title	Hours
GEOG 313/513	Global Climate Change	3
Select three courses from the following:		9
GEOG 317/517	Tree Rings and Environmental Change	
GEOG 401	Climatology	
GEOG 430	Climate Change Ecology	
GEOG 435/535	Climate Change Mitigation	
GEOG 455	Societal Resilience and Adaptation to Climate Change	
GEOG 488	Geography of Energy Systems	
GEOL 435/535	Glaciology and the Dynamic Frozen Earth	
SOC 466	Climate Change and Society	
Seminar courses as approved by the department		
Total Hours		12

## Optional recommendation for selection of electives:

In selecting 3 electives from the above list, it is not required that students choose a particular track, and none is designated on the student's transcript. However, to assist students in course selection, the department has developed some recommendations for specific electives students may want to pursue, if they have specific interests or career objectives.

For breadth in all aspects of Climate Change (both Human and Natural Systems): (Note: several of the above courses are focused primarily on some aspect of climate change, and the department recommends that students consider these courses when selecting electives to obtain knowledge across the range of topics of climate change, including climate science, impacts, adaptation, and mitigation.)

- GEOG 401 Climatology
- GEOG 430 Climate Change Ecology
- GEOG 435/535 Climate Change Mitigation
- GEOG 455 Societal Resilience and Adaptation to Climate Change

For emphasis on Climate Change and Energy/Society:

- GEOG 488 Geography of Energy Systems
- GEOG 435/535 Climate Change Mitigation
- GEOG 455 Societal Resilience and Adaptation to Climate Change

For emphasis on Climate Change and Biophysical Impacts:

- GEOG 401 Climatology
- GEOG 430 Climate Change Ecology or GEOG 410 Biogeography