

CLIMATE SCIENCE

Department of Geography (<https://cas.umw.edu/geography/>)

Climate science is inherently interdisciplinary, involving both the physical and biological sciences. However, there is flexibility within the minor for some specialization, depending on the student's major interests. Climatologists come from the ranks of geologists, oceanographers, geographers, biologists, chemists, physicists, and meteorologists. The commonality among these disparate fields is that they all inform us about the earth's ability to absorb and radiate energy, and the way atmospheric processes play out across the earth's surface. This minor would serve students who might be going on to graduate work in one of the subfields of climatology or those who wish to be more informed in ongoing debates about climate change.

Minor Requirements

Sixteen to eighteen (16-18) credits.

Code	Title	Credits
GEOG 110	Introduction to Weather and Climate	4
GEOG 325	Dynamic Climatology	3
GEOG 327	Climate Change	3
or EESC 355	Icehouse-Greenhouse Earth	
Select two or more courses of the following: ¹		6-8
BIOL 210	Introduction to Ecology and Evolution	
EESC 112	Evolution of Earth	
EESC 121	Oceanography	
EESC 230	Global Environmental Problems	
EESC 325	Environmental Geochemistry	
GEOG 111	Landform Processes	
GEOG 245	Environment and Society	
GEOG 326	Glacial Processes and Landscapes	
PHYS 201	Thermodynamics and Statistical Mechanics	
Total Credits		16-18

¹ Totaling at least six (6) credits, and at least one course at the 300-level.

Geography Faculty

Melina A. Patterson, Chair
Dawn S. Bowen, Career Advisor

Professors

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