

# ENVIRONMENTAL CHANGE MINOR

## Program Requirements

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## Minimum Requirements for the Environmental Change Minor: 15 credits

Students must earn a C- grade or better in each course.

Code	Title	Credits
<b>Environmental Change Program Requirements</b>		
Complete a minimum of 6 credits from each of the following lists:		15
Natural Sciences, Engineering and Technology		
Social Sciences, Humanities and Alaska Native Studies		
Additional electives can be approved by an undergraduate interdisciplinary advisor <sup>1</sup>		
Climate Scholars Program courses can be approved for this minor <sup>2</sup>		
<b>Total Credits</b>		<b>15</b>

## NATURAL SCIENCE, ENGINEERING AND TECHNOLOGY 6-12 CREDITS

Code	Title	Credits
ATM F101X	Weather and Climate of Alaska	4
ATM F456	Climate and Climate Change	3
ATM F473	Micrometeorology with Focus on Subarctic and Arctic Ecosystems	3
BIOL F103X	Biology and Society	4
BIOL F104X	Natural History of Alaska	4
BIOL F371	Principles of Ecology	4
BIOL F385	Global Change Biology	3
CE F424	Permafrost Engineering	3
ENVI Courses		1-6
FISH F110	Fish and Fisheries in a Changing World	3
GE F441	Geohazard Analysis	3
GEOS F460	The Dynamic Alaska Coastline	3
GEOS/ATM F480	Climate Change Processes: Past, Present, Future	4
MBI F482	Human Impacts to the Marine Biosphere	3
OCN F481	The Ocean and Global Change	3
Additional electives can be approved by an undergraduate interdisciplinary advisor <sup>1</sup>		

## SOCIAL SCIENCES, HUMANITIES AND ALASKA NATIVE STUDIES 6-9 CREDITS

Code	Title	Credits
ACNS F201	The Circumpolar North: An Introductory Overview	3

ACNS F429	Geography of the Arctic and Circumpolar North	3
ANS F101	Introduction to Alaska Native Studies	3
ANS F350	Cross-cultural Communication: Alaska Perspectives	3
ANS/ANTH/ART F365	Alaska Native Art History	3
ANS/RD F401	Cultural Knowledge of Native Elders	3
ANS/ED F461	Native Ways of Knowing	3
ART/ACNS F425	Visual Images of the North	3
ECON F434	Environmental Economics	3
ENGL/ACNS F449	Northern and Environmental Literature	3
HIST F411	Environmental History	3
HONR/ACNS/NRM/RD F125	Our Changing Climate: Past, Present, Future	3
NRM F101	Natural Resources Conservation and Policy	3
NRM F111X	Introduction to Sustainability Science	3
NRM F303X	Environmental Ethics and Actions	3
NRM F407	Environmental Law	3
PS F447	U.S. Environmental Politics	3
PS F458	Comparative Environmental Politics	3
RD F265	Perspectives on Subsistence in Alaska	3
RD F300	Rural Development in a Global Perspective	3
RD F465	Community Healing and Wellness	3

Additional electives can be approved by an undergraduate interdisciplinary advisor <sup>1</sup>

## NOTES

<sup>1</sup> Students can choose from a list of pre-approved courses that span UAF's disciplinary strengths in environmental change. Students are also encouraged to explore other relevant courses, such as special topics courses, classes bringing in cross-cultural perspectives, research experiences and study away programs. Any course that is not on the pre-approved list must be approved by the undergraduate interdisciplinary advisor for it to meet this minor's requirements.

<sup>2</sup> Climate Scholars Program courses can meet requirements for this minor. Advisors in the undergraduate interdisciplinary studies department can approve CSP courses and define which category they meet in the minor with a memo to Degree Services.

**NOTE:** Students should work with their advisors to determine if courses in the minor can be shared with other degree requirements, but generally, courses meeting general education and major requirements may be shared with the Environmental Change minor.