

Program

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PROGRAM CHAIR

[Katie Hirschboeck, Ph.D.](#)

PROGRAM COORDINATOR

[Lesia Langan DuBerry](#)

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Featured Student

HENRY D. ADAMS

Vegetation response to global change, specifically tree drought-mortality.

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Global Change PhD Minor

The University of Arizona's Graduate Interdisciplinary Programs (GIDP) and the Global Change Faculty offer a global change PhD minor. The program provides graduate students with a broad understanding of critical concepts and state-of-the-art skills in the rapidly evolving and cross-cutting themes of global change.

The Global Change GIDP's mission is to help form and prepare the interdisciplinary scientific community who will contribute to an integrated understanding of the natural and social dynamics of global change. At the same time, the program is meant to create a forum within which scholars from different parts of the University can coalesce in innovative ways around the complex problems that constitute global change.





Courses

CORE

Three core courses are required.

ELECTIVE

Choose classes that will broaden your program of study.

[GREEN COURSE GUIDE](#)

Apply

INTENT-TO-DECLARE FORM

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Events

Title of Event

MONTH DAY YEAR

Description of event.

Title of Event

MONTH DAY YEAR

Description of event.

Title of Event

MONTH DAY YEAR

Description of event.

Program Details

GC MINOR ELIGIBILITY

Global Change (GC) Minor students are interested in acquiring a broad environmental and earth system science perspective exploring the rapidly evolving and cross-cutting themes of global change. To enter the program students must be pursuing a PhD at the University of Arizona in any major field. Current students and faculty in the program come from a **wide range of fields**, including the natural sciences, engineering, and the social sciences.

GC MINOR REQUIREMENTS

Five courses, for a total of 13 units (B grade or better), are required for the GC PhD Minor. Seven (7) units come from a required list of **core courses**, with the remaining six (6) units (two courses) selected from the list of **electives** with approval of GC PhD Minor **faculty** on the student's committee.

To encourage the broad environmental perspective that is intrinsic to the GC Minor, at least one elective class must come from a department and/or discipline that is distinctly different from the student's major area of interest. Students in the natural sciences should take at least one environment-related elective in the social sciences or law school, and students in the social sciences should take at least one environment-related elective in the natural sciences.

Students who have previously taken one or more of the core classes (e.g. as part of a major) must consult a member of their PhD Minor Committee Faculty to identify appropriate substitute courses from the list of electives, and to receive formal approval from the GC minor faculty advisor. This arrangement is then formalized by a letter from the GC minor faculty advisor to the Chair of the Global Change GDP.

GRADUATE COMMITTEE MEMBERS

Students must select two (2) GC faculty members from the Global Change **Faculty** to represent the GC Minor on their Ph.D. comprehensive examination and final dissertation defense committees.¹ The GC faculty committee members should be identified early in the student's program, so they can serve as resources during the student's studies. At least one Global Change faculty member representing the GC minor must reside in a home department that is different from the student's major department.

¹ Note that the faculty composition of the Ph.D. comprehensive examination committee and the dissertation committee may differ, but in each case, two GC faculty are required on the committee.

PROGRAM ADMINISTRATION

The GC GDP's Minor's Global Change Faculty are from a range of academic disciplines. A smaller group of faculty serve on the **Executive Committee**, which directs the program.

The GC Minor curriculum is supplemented by many research and educational activities of the University of Arizona's **Institute of the Environment** (IE). Faculty and students associated with IE are involved in interdisciplinary research that spans much of the breadth of the U.S. Global Change Research Program. IE offers travel grants and competitive awards to GC Minor and other graduate students on campus. The Institute also sponsors global change visitors and interdisciplinary seminars.



CURRENT

ALUMNI

UPDATE FORM

People

CURRENT

ALUMNI

UPDATE FORM

Annika Ericksen

Pastoralism, climate, development, and risk.

Major: Anthropology

PHD Major Advisor: Park / Silverstein

GC minor Advisor: Olsen / Hirschboeck

annikae@email.arizona.edu





APPOINTED

EXECUTIVE COMMITTEE

JOIN US

People

APPOINTED

EXECUTIVE COMMITTEE

JOIN US

Steve Archer

Steve Archer's research focuses on interactions between grasses and woody plants in relation to soils, climate and disturbance. He uses population, transition probability and dynamic ecosystem simulation models in conjunction with remote sensing, GIS, dendrochronology and stable isotope chemistry to reconstruct vegetation history and to examine potential, impending changes. Field and laboratory experiments on the population biology of grasses and shrub growth forms are emphasized in the context of landscape ecology, succession, and historical land-use practices.

Biological Sciences East, Room 325
School of Natural Resources & the Environment

PhD, Colorado State University, Ft. Collins, 1983

(520) 626-8791

sarcher@ag.arizona.edu

[Link to Profile»](#)





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Funding Database

INSTITUTE OF THE ENVIRONMENT

Grants, fellowships, and other awards in the area of environmental science.

[Check it out»](#)

Funding Opportunities

Available only to students in the GC-GIDP minor program:

DISSERTATION IMPROVEMENT GRANTS

The GC-GDIP, with assistance from The Institute of the Environment (IE), offers small awards (up to \$1,000) to students in the GC Minor program to aid in the improvement of their dissertation. The call for applications goes out in February, and awards are usually announced in March. DIG awards will be available for student use during the following academic year.

[APPLY](#)

GLOBAL CHANGE TA

The GC-GIDP Minor program offers a teaching assistantship for the GC 170A1 Introduction to Global Change course. The assistantship is awarded on a semester basis and is contingent on the availability of GIDP teaching assistantship funds.

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Funding available to students in the GC-GIDP minor program and also to those in other areas of environmental science on campus:

IE TRAVEL AWARDS

The Institute of the Environment provides up to \$500 in funding for graduate students to travel to meetings, conferences, or symposia where they will present their research. Deadlines are typically in September and February.

[APPLY](#)

Other sources of funding on campus that are available to GC-GIDP graduate students:

FUNDING OPPORTUNITIES DATABASE

Information about grants, fellowships, and other awards in the area of environmental science is available in IE's database of funding opportunities.

[VIEW OPTIONS](#)

Available to students in the GC-GIDP minor program IF you are also majoring in one of the other GIDP programs (e.g., Arid Lands Resource Sciences):

HERBERT E. CARTER TRAVEL AWARD

The Herbert E. Carter Travel Award is available for students majoring in a Graduate Interdisciplinary Program (GIDP) for travel to a professional meeting.

