EXTERNAL FINANCIAL SUPPORT
Funds are available from a variety of sources to supplement student income and to defray some of the costs of thesis research and preparation. Our graduate students have been very successful at procuring this support in the past. Opportunities include the following.

WESTERN REGIONAL GRADUATE PROGRAM
The Master of Science Environmental Sciences and Policy program was the first graduate program at Northern Arizona University to be selected for participation in the Western Regional Graduate Program (WRGP). Graduate programs included in the WRGP are identified as providing a unique, interdisciplinary graduate education experience for their students. The Western Interstate Commission on Higher Education allows graduate students who are presently residents within 15 participating states (Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, North Dakota, Oregon, South Dakota, Utah, Washington, and Wyoming) to enroll in one of 51 participating institutions outside of their home state, including NAU, and pay resident (in-state) tuition. Amount of award: varies.

WYSS SCHOLARSHIP FOR THE CONSERVATION OF THE AMERICAN WEST
The Wyss Scholars Program supports the graduate-level education of a new generation of leaders in western land conservation. Wyss Scholars learn the latest in conservation science and policy and apply that knowledge in careers at land management agencies and nonprofit conservation groups. Amount of award: $5,000 for summer research, additional amounts vary.

BILL MORRALL MEMORIAL SCHOLARSHIP
The Bill Morrall Conservation Scholarship was established in 1983 by the Arizona Wildlife Federation to honor the memory of Bill Morrall. Bill was actively involved in the work of the foundation and conservation issues important to Northern Arizona. Past recipients may apply. For more information on how to apply to this scholarship, check out the SESES Scholarships page.

JOHN PRATHER MEMORIAL SCHOLARSHIP
The John W. Prather Scholarship supports graduate student research in conservation biology. Application is open to all graduate students in good standing at Northern Arizona University who are engaged in research related to the conservation of biological diversity. John Prather, 1969-2006, was a talented conservation biologist committed to the conservation of biological diversity. He was also a willing mentor, an avid birder, a spelunker, a member of Democrats for America, a fan of The Onion, and the brewer of Bayesian Brown Ale. For more information on how to apply to this scholarship, check out the SESES Scholarships page.

MS THESIS COMMITTEE IN ESP
Throughout your tenure in the program, you will work most closely with your faculty advisor, or co-advisors. In addition, each student admitted to the program will select a Graduate Program
Committee by the end of the student's first year in the Environmental Sciences and Policy program. The Program Committee Form is available on the ESP website, and should be submitted to your faculty advisor or co-advisors and Graduate Coordinator for approval and signatures by the end of your first year in the program.

PROGRAM OF STUDY

The Program Core for both the Science & Policy Emphasis and the Paleoenvironmental Sciences Emphasis (15 credit hours required) is as follows.

- EES 605*: Regional Topics in Earth and Environmental Science and Policy
- EES 606*: Research Methods in Earth and Environmental Science
- ENV 555*: The Environmental Science-Policy Interface

Quantitative Analysis and Research (5-7 hours required)
- BIO 682: Quantitative Biology
- MAT 542/543: Wildlife Population Modeling and Lab (3-5 units)
- POS 601: Research Methods/Analysis
- POS 605: Topics in Research Methods
- STA 570: Statistical Methods I
- STA 571: Statistical Methods II
- STA 676: Experimental Design

Thesis (7 hours required)
- ENV 699*: Thesis

* Indicates required courses

Students may choose either the Science and Policy Emphasis or the Paleoenvironmental Sciences Emphasis.

Science and Policy Emphasis (21 units)
A. Take one course each from two of the three areas listed below (6 credit hours required)

Water Resources
- BIO 572: Limnology
- FOR 560: Wetland Ecology and Management
- FOR 563: Watershed Hydrology
- FOR 565: Watershed Restoration
- GLG 451: Hydrogeology
- GLG 575: Geochemistry of Natural Waters
- GLG 670: Advanced Hydrogeology

Atmosphere and Climate
- CHM440/ENV 430: Environmental Chemistry
- ENV 580: Atmospheric Change
- ENV 591: Science and Management of Greenhouse Gases
- ENV 595: Global Environmental/ Climate Change
• ENV 596: Quaternary Climate Change
• ENV 675: Topics in Environmental Discourse

Land Resources
• BIO 570: Plant Ecology
• BIO 573: Field Ecology
• BIO 660: Organic Evolution
• BIO 663: Biogeography
• ENV 530: Arid Lands Geomorphology
• ENV 540 & 540L: Conservation Biology and Lab
• ENV 544: Landscape Ecology
• ENV 550: Historical Ecology
• ENV 571: Microbial Ecology
• ENV 640: Ecological Assessment and Monitoring
• FOR 544: Landscape Ecology
• FOR 545: Rangeland Ecology and Management
• FOR 580: Ecological Restoration Principles
• FOR 582: Ecological Restoration Applications

B. Choose one course from the list below (3 credit hours required)
   Environmental Laws, Regulations, and Policy
   • CENE 540: Environmental Protection
   • ENV 520: Collaboration in Environmental Management
   • FOR 573: Human Dimensions of Natural Resource Management
   • FOR 593: Natural Resource Economics
   • FOR 605: Policy Process in Multi-Resource Management
   • FOR 633: Ecological Economics
   • GSP 514: Planning Sustainable Communities
   • GSP 521: Land Use Planning and Ethics
   • GSP 522: Fundamentals of Development Law and Community Sustainability
   • GSP 524: Fundamentals of Environmental Law
   • GSP 698: Seminar in Rural Geography
   • POS 659: Environmental Policy

C. Specialty Courses, chosen in consultation with your committee (12 credit hours required)

**Paleoenvironmental Sciences Emphasis (19-20 units)**

A. Take one course each from each of the three areas listed below (12-13 credit hours required)
   Quaternary Geology
   • GLG 527: Quaternary Geology
   Paleoeoclogy
   • ENV 550: Historical Ecology
   • ENV 573: Quaternary Pollen Analysis
   Climatology/Paleoclimatology
   • ENV 595: Global environmental and Climate Change
• ENV 596: Quaternary Climate Change
• ENV 675: Topics in Environmental Discourse

Human Systems
• ANT 517: Southwestern Archeology
• ANT 550: Analysis of Archaeological Materials
• ANT 552: Ceramic Analysis
• ANT 554: Paleoethnobotany
• ANT 555: Lithic Analysis
• ANT 635: Archeological Theory
• ANT 636: Archaeological Methods and Inference

B. Specialty Courses chosen in consultation with your committee (7 credit hours required).