



**University
of Dayton**

**Keck Environmental Fellowships
CALL FOR PROPOSALS**

Who: Undergraduate majors or minors in Environmental Biology, Biology, Environmental Geosciences or Geology who have completed at least 12 semester hours of courses within the department.

What: Fellowship Awards to support research projects related to the environmental sciences. Awards up to \$3,500 will be made to qualified students.

Due Date: February 1, 2022

Overview

Biology, Environmental Biology, Environmental Geosciences or Geology majors or minors who have completed at least 12 sem-hrs in their major are invited to apply for *Keck Fellowships in Environmental Biology and/or Environmental Geosciences* to support research focused on improving understanding of the Earth system and how it both shapes and is shaped by the activities of human beings. The target award level is \$3,500. The Awards may cover domestic or international travel, student stipends, and/or supplies, equipment or analytical services necessary to perform the proposed work. Duration of the grant is two years maximum. All university COVID rules/policies will need to be followed at all times.

Application Procedures

Please see the attached application guidelines. Students should submit cover sheet, research proposal, budget worksheet, and faculty mentor(s) letter of endorsement as one single file to awards committee chairs by email (GEO/EVG: Umesh Haritashya – uharitashya1@udayton.edu, BIO/EVB: Ryan McEwan - rmcewan1@udayton.edu). Interested students/mentors can also inquire in the Biology or Geology and Environmental Geosciences Department offices, or with department chairs (GEO/EVG: Shuang-Ye Wu – swu001@udayton.edu, BIO/EVB: Karolyn Hansen - khansen1@udayton.edu).

Evaluation of Proposals

Applications will be assessed and awards made by the Keck Environmental Science Awards Committee on the basis of the research design and feasibility of the proposed work, the academic record and research potential of the student, and the relevance and significance of the proposed work to the field of environmental science.

Final Report

Awardees are required to submit a final report (1 page), including a summary of money spent and work accomplished, to their respective departments prior to the end of the 2023 Spring Semester.

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APPLICATION GUIDELINES

Proposals should include following two elements:

I - Cover Sheet:

- 1) Name of the student(s) applying:
- 2) Campus mailing address and email address
- 3) Project title:
- 4) Name of faculty mentor(s):
- 5) Amount requested:
- 6) Are you or your faculty mentor applying to other sources for funds to support this project? If yes, indicate the source and the amount requested. If no, why not?
- 7) Is this project being pursued for academic credit? If yes, explain the credit that is being sought:
- 8) Period and location in which project is to be conducted:
- 9) Signatures:

Student(s) --

Faculty Mentor --

II - Main Proposal:

- 10) Abstract (<250 words). A brief summary or overview of the proposed work, highlighting its relationship to the environmental concerns.
- 11) Statement of the problem (<250 words). A brief synopsis of the problem to be addressed, including a discussion of why it is important.
- 12) Narrative description of research (approx. 750 - 1000 words). Describe the basic plan of research, identifying aspects of the research that will require financial support. One or two key graphs or figures may be included. Include appropriate references and citations, and a references cited section at the end of the narrative.
- 13) Budget (<1 page) Outline the total amount requested, breaking down projected financial needs such as stipend, travel costs, costs of necessary equipment or supplies, and analytical services. Attach cost estimates from vendors if appropriate. See template below.
- 14) Letter of support (<1 page). Attach a brief letter of support from your faculty mentor. If relevant you may also provide a letter of support from another pertinent individual, such as a mentor outside the University of Dayton or a representative of a group or organization whom the research is intended to serve.

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BUDGET WORKSHEET

Complete the sections which apply to your project. Submit it with your application.

I. Equipment and Materials (Briefly describe and itemize estimated costs of equipment and supplies. Attach estimates from vendors if appropriate).

\$ _____

\$ _____

Total Equipment and Materials

\$ _____

II. Student Stipend

Hours per week X \$ _____ per hour

\$ _____

Total requested stipend

\$ _____

III. Travel Expenses

Air fare (include source of quote)

\$ _____

Mileage on personal vehicle

_____ miles @ _____ per mile

\$ _____

Living Expenses

_____ weeks @ \$ _____ per week

\$ _____

Other travel-related expenses

\$ _____

Total Travel-related expenses

\$ _____

IV. Other Expenses (Briefly describe and itemize)

Total Other

\$ _____

Total Budget Request: I + II + III + IV

\$ _____

Other sources of support (List each separately and indicate the amount of support. Indicate whether each additional source is committed or pending.)

\$ _____

Total Project Cost (Keck Fellowship + Other Sources)

\$ _____