

## The Biosphere 2 Research Experience for Undergrads (REU) Summer Program

allows students to gain experience in research firsthand, training and preparation for careers in science, and opportunities to communicate science to diverse audiences.

Students will work with partner organizations at the University of Arizona to connect research findings to applied environmental solutions. Participation in the program will help students prepare for graduate studies in science.

This REU program is supported by a grant from the National Science Foundation. Biosphere2 shares the goals of the NSF to use the REU experience to provide research opportunities for students who might not have such opportunities readily available at their home institutions.



**Interdisciplinary Research**



**Ocean Impacts**



**Global Food Security**



**Earth Systems Science**



To learn more about the program, please email Katerina Dontsova at [dontsova@arizona.edu](mailto:dontsova@arizona.edu) or Kevin Bonine at [kebonine@arizona.edu](mailto:kebonine@arizona.edu).

For more details and to apply online, visit [Biosphere2.org](http://Biosphere2.org)



THE UNIVERSITY OF ARIZONA  
**Biosphere 2**

[Biosphere2.org](http://Biosphere2.org)  
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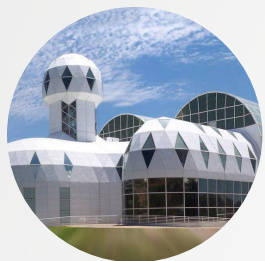
THE UNIVERSITY OF ARIZONA  
**Biosphere 2**

# Biosphere 2 Research Experience for Undergrads

The University of Arizona Biosphere 2 offers a transformational platform to address the grand challenges of science. Engage with this unique opportunity for undergraduates through the **Biosphere 2 Research Experience for Undergrads 2023 Summer Program** — a ten-week program of life-changing research and training where you partner with scientists at Biosphere 2, at surrounding field sites, and on the University of Arizona campus to:

- **explore** linkages between terrestrial, atmospheric, and aquatic systems;
- **examine** intersections between biotic and abiotic worlds;
- **test** hypotheses about climate impacts on ecosystem processes;
- **connect** large scale, controlled research with the real world; and
- **understand** the nexus of water, energy, and food.

Biosphere 2's Research Experience for Undergrads Program runs from early June to early August 2023.



**Regional Impacts**



## Research

Join top researchers working together at the interface of multiple disciplines:

- tackling grand challenges facing Earth and the environment;
- engaging in interdisciplinary projects in ecology, biology, hydrology, geochemistry, geology, soil and atmospheric sciences; and
- training as a science communicator.

## Benefits

- 10-week residential research program
- housing on the Biosphere 2 campus
- food allowance
- a \$6,000 stipend
- funding for travel to and from Tucson
- option for national meeting presentation



**Sustainability Research**



**Emerging Technologies**



**Resilience Solutions**



## Eligibility

Undergraduate students majoring in (or in a curriculum leading to) one of the following fields in environmental or Earth system science will be well suited to participate in this REU:

- biology
- plant sciences
- soil science
- geology
- physics
- computer science
- ecology
- hydrology
- atmospheric science
- mathematics
- chemistry

Accepted students typically have completed at least one year of college prior to the summer REU program and (following this program) have at least one year of college left before graduation. Students typically have a minimum 3.0 GPA and must be U.S. citizens or permanent residents to be eligible for NSF/REU grant support.

## Apply

We encourage applications from students in groups underrepresented in science. Students will be selected from across the country to participate in the program and they will conduct research at Biosphere 2. Participation in the Biosphere 2 Summer 2023 REU is limited. Applications are due by March 1, 2023.



**Networking**