

# National Science Foundation REU Program

## Interdisciplinary Research Experience for Undergraduates on Decarbonization: Path to 2035



**Electrochemistry and energy storage \* Carbon utilization using biological and thermochemical pathways \* Advanced manufacturing and combustion technologies \* Nuclear fuels for energy production**

**Program Dates: June - August 2025**

**Program Website:** <https://faculty.sites.uci.edu/decarbonizationreu/>

### Program Overview:

- A nine-week interdisciplinary summer program for sustainable energy production
- Comprehensive decarbonization research topics to achieve net-zero carbon emissions
- Hands-on research experience
- Workshops to develop research, leadership, career development, and team-building skills
- Nine-week stipend of \$5400, travel expenses, free on-campus housing

### Departments:

Chemical & Biomolecular Eng., Mechanical & Aerospace Eng., Civil & Environmental Eng., and Chemistry

### Directors:

Prof. Erdem Sasmaz, [esasmaz@uci.edu](mailto:esasmaz@uci.edu)  
Prof. Bihter Padak, [bpadak@uci.edu](mailto:bpadak@uci.edu)

### Location:

Located just a few miles from the Pacific Ocean, UC Irvine is surrounded by California's nicest beaches, the art, culture, and nightlife of Los Angeles, the famous Sierra Nevada Mountain Range, and the Mojave Desert.

From hiking, mountain biking, and surfing to art walks and theater performances, there is truly something for everyone.

### Eligibility:

- GPA of 3.0 or higher
- US citizen or permanent resident
- Students enrolled in a four-year program and graduating after September 2025
- Students from underrepresented groups and institutions are encouraged to apply.

**Application Deadline:  
February 21, 2025**

Application form:

<https://forms.gle/ZPVzgh2zUcH H6ugj8>

Materials required:

- Transcript
- Resume
- A short statement describing your research interests and previous experience.
- Two letters of recommendation

