

# SURGE

## Summer Undergraduate Research in Geoscience and Engineering

# Stanford EARTH

### ABOUT SURGE

SURGE provides undergraduate scholars with a mentored research experience at Stanford Earth, especially students who are seeking a formal research experience for the first time. This fully funded, eight-week, dynamic residential program combines a rigorous research assignment with a comprehensive training and mentoring program. SURGE focuses on preparing students for graduate school, and therefore targets rising juniors and seniors. SURGE is a Research Experience for Undergraduates (REU) site funded by the National Science Foundation, the Arthur Vining Davis Foundations, and Stanford Earth.



### PROGRAM COMPONENTS

- Mentorship from Stanford Earth faculty and researchers based on research interests
- Workshops for GRE preparation, graduate school applications and life, and careers
- Weekly seminars by Stanford Earth-affiliated faculty
- Educational field trips in the Bay area
- Small mentoring groups with a Stanford graduate student
- Funded room/board and additional stipend

### MENTORING GROUPS

Scholars participate in small study groups, each led by a Stanford Earth graduate student or postdoctoral mentor. The mentors provide coaching on topics such as analysis and presentation of scientific data, reading scientific articles, graduate school preparedness, and work/life balance.



### ELIGIBILITY

U.S. citizens and permanent residents, or international students enrolled in U.S. undergraduate institutions, whose backgrounds, identities, and life experiences, would add diversity to our Stanford graduate programs in Earth, energy, and environmental science. SURGE especially encourages applications from African Americans, Hispanic/Latino Americans, Native Americans, and Pacific Islander Americans. College undergrads (especially, juniors and seniors) are eligible to apply.

### HOW TO APPLY

Applications are open mid-Fall (November) and conclude in Winter (January)

Required materials include:

- Interest in a project by Stanford Earth faculty accepting SURGE students
- Two letters of recommendation
- CV or resume
- Official transcript
- Application form
- Essay responses on application
- Phone interview (for finalists)

**For more details, visit  
[oma.stanford.edu/SURGE](https://oma.stanford.edu/SURGE)**

**Stanford**

**SCHOOL OF EARTH, ENERGY  
& ENVIRONMENTAL SCIENCES**

**Office of  
Multicultural Affairs**

Contact: 650-724-6250 | [streamsurge@stanford.edu](mailto:streamsurge@stanford.edu) | [oma.stanford.edu](https://oma.stanford.edu)

