



STANFORD RESEARCH OPPORTUNITY

Each SURGE scholar is matched with a Stanford faculty member and works in a research group or laboratory. The scholar is assigned a challenging project, presenting their results to faculty, mentors, and colleagues at the end of the program.

Research assignments can be selected from the following departments and programs:

- Earth System Science
- Emmett Interdisciplinary Program in Environment & Resources
- Energy Resources Engineering
- Geological Sciences
- Geophysics



HOW TO APPLY

For more details about SURGE, visit:
oma.stanford.edu/surge
Applications are due by the end of January.



You can also find us on Facebook!



Stanford EARTH



Stanford

SCHOOL OF EARTH, ENERGY & ENVIRONMENTAL SCIENCES | Office of Multicultural Affairs

SURGE

Summer Undergraduate Research in Geoscience and Engineering

CONTACT

397 Panama Mall, Mitchell 139
Stanford, CA 94305-2210
Phone: 650-724-6250
streamsurge@stanford.edu
oma.stanford.edu



ABOUT THE PROGRAM

SURGE provides undergraduate scholars with a mentored research experience at Stanford University. 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.

PROGRAM DESIGN

In addition to working with Stanford faculty members on a research project, students also attend workshops preparing for the GRE and MATLAB, applying to graduate school, and understanding careers in Earth, energy, and environmental sciences. The program culminates with a research symposium, where scholars present results from their summer projects to faculty, mentors, and colleagues.



BEYOND RESEARCH

SURGE scholars also participate in weekly seminars, field trips and social outings, while enjoying the beautiful Stanford campus located in the heart of Silicon Valley, just 45 minutes from San Francisco. Each scholar receives free room and board, and a stipend - the total package can amount to \$12,000.



"I really liked being matched with my faculty/mentor. Even though I did not have a background in ecology, I developed a passion using remote sensing to study how ecosystems respond to stresses."

— SURGE participant



Stanford

MENTORING GROUPS

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

ELIGIBILITY

Eligible students are American citizens, U.S. 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. A minimum 3.3 GPA is required for your STEM courses (we also consider students with GPAs that come close to that threshold).

