



UC SANTA CRUZ



Research Experiences for Undergraduates in Sustainable Materials Summer 2024

The program provides undergraduate students with the opportunity of engage in research in physics, chemistry, and engineering related to the discovery and study of materials that can be used in future sustainable technologies such as low-power electronic devices, renewable energy sources, and biomimetic devices.

Program Details

- Duration: 8 weeks (06/23/2024—08/17/2024)
- Stipend: \$700/week
- On-campus housing and travel stipends if travelling from out of town
- Weekly group meetings
- Academic, technical, and professional development sessions
- Social events and field trips to National Labs
- Final research symposium

Eligibility

To be eligible to participate, you must:

- Be a rising sophomore, junior, or senior in an institution of higher education in the United States (i.e., have completed your first year by the end of the 2023-2024 school year).
- Have a minimum 2.8 GPA in STEM undergraduate courses.
- Be a U.S. citizen or permanent resident.

Sample Research Projects

- Bioelectronic Devices
- Antiferromagnetic Spintronics
- Magnetoelectric and Quantum Materials
- Nano-magneto-optics
- Phononic Metamaterials
- Organometal Halide Perovskite Quantum Dots
- Materials for Photovoltaic Applications
- Synthesis and Characterization of Metal Organic Frameworks
- Two-dimensional Materials
- X-ray Spectroscopy of Complex Materials
- Spintronics
- Computational Materials

Applications will be evaluated on a rolling basis starting on March 1, 2024.

For more information and to apply online, go to <http://reu-materials-ucsc.weebly.com/>

