



Chemical Engineering

Molinaroli College of Engineering and Computing

UNIVERSITY OF SOUTH CAROLINA

Design of Nanomaterials for 21st-Century Energy

The Department of Chemical Engineering at the University of South Carolina, in collaboration with Savannah River National Laboratory, is pleased to announce a Summer Research Experience for Undergraduates for 2026! Participants will conduct research on designing and synthesizing nanostructured materials for energy conversion and storage. Seminars, professional development workshops, field trips, and social events are planned throughout the summer. Research topics include:

CO₂ capture and conversion
Li-based battery materials
Solid-state energy storage devices
Efficient ammonia synthesis
Lightweight load-bearing materials
Nuclear waste digestion
Biomass Utilization



Students will work side by side with faculty and graduate students in a dynamic, cutting-edge research environment.

The REU program runs for ten weeks, from May 17 - July 24, 2026, and is limited to U.S. citizens. Applicants must be enrolled in a Chemical Engineering or related program and have a minimum cumulative GPA of 3.3.

Financial Details

- Ten-week stipend of \$7,000, with travel expenses covered up to \$500
- Free on-campus housing (apartment-style) - includes kitchen area + common living room

Application Information

Interested students should apply by March 1, 2026 using the QR code above or the link provided at www.che.sc.edu

REU Site Directors

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