



## Idaho Community-engaged Resilience for Energy-Water Systems (I-CREWS) Summer Authentic Research Experiences (SARE)

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**Overview:** Summer Authentic Research Experiences (SARE) is designed to engage Idaho undergraduates in the science, technology, engineering, and mathematics (STEM) fields related to I-CREWS research and increase the number, diversity and preparation of skilled scientists and engineers in I-CREWS fields (*geosciences, biological sciences, social sciences, and resilience science, computational modeling, machine learning and artificial intelligence*) to provide analytical outcomes to proactively address the impacts of climate, population, and technological change on energy-water (E-W) systems.

Each student receives hands-on, paid (**up to \$6,000**) summer research experiences (full-time or part-time educational opportunities available), where they study topics broadly related to the I-CREWS project. Each SARE educational opportunity is designed as a learning experience and not employment. The novelty of the approach is the statewide integration of the I-CREWS research, and opportunities for undergraduate students to network across the institutions through research team interactions, data collection, fieldwork, and research activities.

**SARE Eligibility:** All Idaho STEM faculty, and students currently enrolled at an Idaho academic institution, including Idaho 2-yr and 4-yr colleges, are eligible. I-CREWS especially seeks to increase the participation of students from underrepresented groups in STEM (underrepresented minorities (URM), low-income, rural and/or first-generation students, and women in Idaho's STEM enterprise. SARE provides students with an intensive laboratory and/or field experience, while creating an important bridge between academic year education and between institutions.

### **SARE Selection and Placement:**

- Faculty who wish to host SARE students should submit their research description by priority review date of **January 10, 2025**. *\*\*Please note that only faculty are allowed to apply. Graduate students and Postdocs interested in hosting a SARE student must have a supervising faculty member apply on their behalf.*
- We encourage students to visit with faculty to discuss potential projects and to help with the placement process. Students will also be required to complete a short SARE application.
- Students who wish to apply to the SARE program can submit their applications beginning **February 3, 2025**. Priority review will begin **February 14, 2025**.

- A limited number of paid positions are available during the summer at UI, ISU, BSU and Idaho 2-4 year colleges.
- Positions will range from full-time (approximately 330 hours) to a quarter time (approximately 80 hours) during the summer, for a total of up to \$6,000.
- Up to \$500 will be provided to the faculty supervisor for research supplies and/or student travel.

**Related Opportunities/Requirements:** Students participating in SARE will be required to present research results at the Idaho Conference on Undergraduate Research (ICUR) in July 2025. Students will be required to participate in a virtual Summer Research Community, hosted by Boise State University, and submit a research profile to the Idaho EPSCoR website.

**Contact Information:** Please contact institutional leads if you have any questions:

- Boise State University: Jim Fredricksen ([jimfredricksen@boisestate.edu](mailto:jimfredricksen@boisestate.edu))
- University of Idaho: Sarah Penney-Jackson ([sarahp@uidaho.edu](mailto:sarahp@uidaho.edu))
- Idaho State University: Kitty Griswold ([kittygriswold@isu.edu](mailto:kittygriswold@isu.edu))
- Idaho 2-yr and 4-yr Colleges: Miranda Striluk ([mirandastriluk@cw.edu](mailto:mirandastriluk@cw.edu)) and Bill Ebener ([bebener@csi.edu](mailto:bebener@csi.edu))