

Opportunity Title: Cold Regions Research and Engineering Laboratory - 2021-2022 Fall/Winter Intern Program

Opportunity Reference Code: ERDC-CRREL-2021-0003

Organization U.S. Department of Defense (DOD)

Reference Code ERDC-CRREL-2021-0003

How to Apply *Click on APPLY now to start your application.*

Description The U.S. Army Cold Regions Research and Engineering Laboratory (CRREL) (est. February 1, 1961) solves interdisciplinary, strategically important problems for the Corps of Engineers, Army, Department of Defense, and the Nation. CRREL discovers, develops, and delivers advanced and applied science and engineering to complex environments, materials, and processes in all seasons and climates. The U.S. Army Engineer Research and Development Center, CRREL is a national resource focused on solving specific, customer-driven problems and conducting innovative research in five program areas - Civil Works - Engineered Resilient Systems - Environmental Quality & Installations - Geospatial Research & Engineering - Military Engineering.

What will I be doing?

You will research alongside CRREL staff and primary researchers. Under the guidance of a mentor, you will gain hands-on experience in a real world laboratory environment, in addition to modern research technologies and techniques. This experience will also focus on personal career development in the areas of STEM, providing opportunities to collaborate and network with other students and researchers across all STEM disciplines.

Why should I apply?

This fellowship provides the opportunity to independently utilize your skills and engage with experts in innovative ideas to move the proposed research forward. There are multiple opportunities available to engage in your applied research and evaluation interests.

Research areas include:

- Science and technology for national security
- Unique, multidisciplinary expertise related to the Earth's cold regions
- Biogeochemical Sciences
- Force Projection and Sustainment
- Remote Sensing/Geographic Information Systems Center of Expertise
 - U.S. Ice Jam Database
 - U.S. National Levee Database
- Signature Physics
- Terrestrial and Cryospheric Sciences

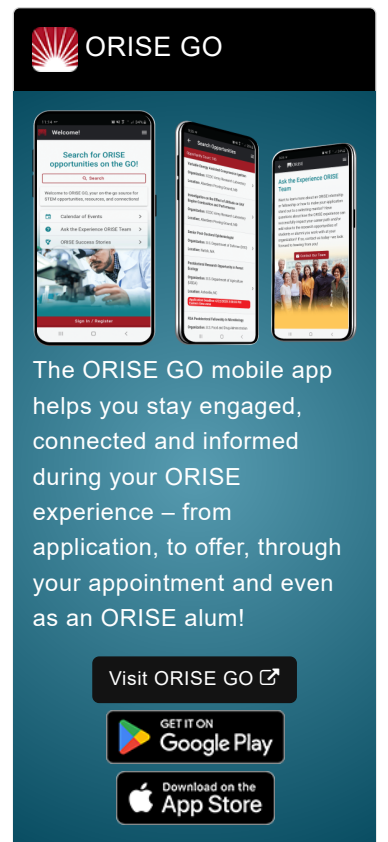
Where will I be located? Hanover, NH

What is the anticipated start date?

ERDC-CRREL is ready to make appointments immediately. Exact start dates will be determined at the time of selection and in coordination with the selected candidates. Applications are reviewed on an ongoing basis and fellowships will be filled as qualified candidates are identified.

What are the benefits?

You will receive a stipend to be determined by ERDC-CRREL. Stipends are typically based on the participant's academic standing, discipline, experience, and research facility location. Other benefits may include the following:



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- Health Insurance Supplement. *Participants are eligible to purchase health insurance through ORISE.*
- Relocation Allowance
- Training and Travel Allowance

This ORISE appointment is a spring/summer opportunity. Appointments may be extended depending on funding availability, project assignment, program rules, and availability of the participant.

Nature of the Appointment

You will not enter into an employee/employer relationship with ORISE, ORAU, DOD, or any other office or agency. Instead, you will be affiliated with ORISE for the administration of the appointment through the ORISE appointment letter and Terms of Appointment.

Qualifications This research opportunity is open to STEM students and recent graduates who are interested on hands-on experience in a real world laboratory environment. The focus on personal career development in the areas of STEM, providing opportunities to collaborate and network with other students and researchers across all STEM disciplines.

A complete application consists of:

- Zintellect profile
- Essay Questions - The application includes questions specific to the opportunity.
- Academic Records - For this opportunity, an official transcript or copy of the student academic records printed by the applicant or by academic advisors from internal institution systems may be submitted.
- Current Resume/CV
- One (1) Recommendation - Applicants are required to provide contact information for at least one recommendation. You are encouraged to request a recommendation from a professional who can speak to your abilities and potential for success as well as your scientific capabilities and personal characteristics. Recommendation requests must be sent through the Zintellect application system. Recommenders will be asked to complete a recommendation in Zintellect. Letters of recommendation submitted via email will not be accepted.

Submitted documents must have all social security numbers, student identification numbers, and/or dates of birth removed (blacked out, blackened out, made illegible, etc.) prior to uploading into the application system. All documents must be in English or include an official English translation. If you have questions, send an email to usace@orise.orau.gov. Please list the reference code of this opportunity ERDC-CRREL-2021-0003 in the subject line of the email.

Connect with ORISE...on the GO! Download the new ORISE GO mobile app in the Apple App Store or Google Play Store to help you stay engaged, connected, and informed during your ORISE experience and beyond!

- Eligibility Requirements**
- **Citizenship:** U.S. Citizen Only
 - **Degree:** High School Diploma/GED, Associate's Degree, Bachelor's Degree, or Master's Degree received within the last 60 months or currently pursuing.
 - **Discipline(s):**
 - **Chemistry and Materials Sciences** ([12](#))
 - **Communications and Graphics Design** ([6](#))

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- **Computer, Information, and Data Sciences** ([17](#))
- **Earth and Geosciences** ([21](#))
- **Engineering** ([27](#))
- **Environmental and Marine Sciences** ([14](#))
- **Life Health and Medical Sciences** ([45](#))
- **Mathematics and Statistics** ([10](#))
- **Other Non-Science & Engineering** ([2](#))
- **Physics** ([16](#))
- **Social and Behavioral Sciences** ([27](#))
- **Age:** Must be 18 years of age