Opportunity Title: Cold Regions Research and Engineering Laboratory - 2024 Spring/Summer Intern Program
Opportunity Reference Code: ERDC-CRREL-2024-0002

Organization U.S. Department of Defense (DOD)

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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. Within 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?

Under the guidance of a mentor, you will research alongside CRREL staff and primary researchers, and you will gain hands-on experience in a real-world laboratory environment. In addition, you will be exposed 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, postgraduates, 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 is the appointment length?

This ORISE appointment could be a part-time or full-time opportunity and up to twelve months. Appointments may be extended depending on funding availability, project assignment,

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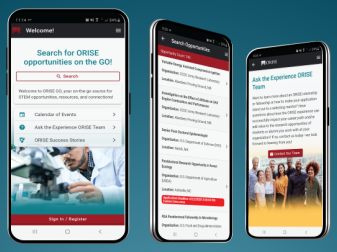

The ORISE GO mobile app helps you stay engaged, connected and informed during your ORISE experience – from application, to offer, through your appointment and even as an ORISE alum!
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program rules, and availability of the participant.

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:

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

About ORISE

This program, administered by Oak Ridge Associated Universities (ORAU) through its contract with the U.S. Department of Energy (DOE) to manage the Oak Ridge Institute for Science and Education (ORISE), was established through an interagency agreement between DOE and DoD. Participants do 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. Proof of health insurance is required for participation in this program. Health insurance can be obtained through ORISE. For more information, visit the ORISE Research Participation Program at the U.S. Department of Defense

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
- Educational and Employment History
- Essay Questions (goals, experiences, and skills relevant to the opportunity)
- Resume (PDF)
- Transcripts/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. Click here for detailed information about acceptable transcripts.
- One recommendation. Your application will be considered incomplete and will not be reviewed until one recommendation is submitted. We encourage you to contact your recommender(s) as soon as you start your application to ensure they are able to complete the recommendation form and to let them know to expect a message from Zintellect. Recommenders will be asked to rate your scientific capabilities, personal characteristics, and describe how they know you. You can always log back in to your Zintellect account and check the status of your application.

Submitted documents must have all social security numbers, student identification numbers, and/or dates of birth removed (blanked 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 in the subject line of the email. Please understand that ORISE does not review

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applications or select applicants; selections are made by the sponsoring agency identified on this opportunity. All application materials should be submitted via the “Apply” button at the bottom of this opportunity listing. Please do not send application materials to the email address above.

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Eligibility Requirements

- **Citizenship:** U.S. Citizen Only
- **Degree:** High School Diploma/GED, Associate's Degree, Bachelor's Degree, Master's Degree, or Doctoral Degree received within the last 60 months or currently pursuing.
- **Discipline(s):**
  - **Business** (11 👁)
  - **Chemistry and Materials Sciences** (12 👁)
  - **Communications and Graphics Design** (6 👁)
  - **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** (11 👁)
  - **Other Non-Science & Engineering** (13 👁)
  - **Physics** (16 👁)
  - **Science & Engineering-related** (2 👁)
  - **Social and Behavioral Sciences** (29 👁)
- **Age:** Must be 18 years of age