

Opportunity Title: ERDC Environmental Laboratory 2026 Research: Post-Bachelor and Graduate Students
Opportunity Reference Code: ERDC-EL-2026-0004

Organization U.S. Department of Defense (DOD)

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

Description The Environmental Laboratory (EL) is one of the seven laboratories of U.S. Army Engineer Research and Development Center (USACE-ERDC), which is the Army Corps of Engineers' integrated research and development (R&D) organization. EL provides solutions to environmental challenges for the U.S. Army, the Department of Defense and the Nation through environmental science and engineering research and development. Researchers in EL conduct research in ecosystem science and technology, environmental resiliency, environmental sensing, ecological modeling and forecasting, risk and decision science, environmentally sustainable material, systems biology, climate change, computational chemistry, environmental chemistry and environmental security.

What will I be doing?

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, post-graduates, and researchers across all STEM disciplines.

You may be involved in one of the following projects during your appointment:

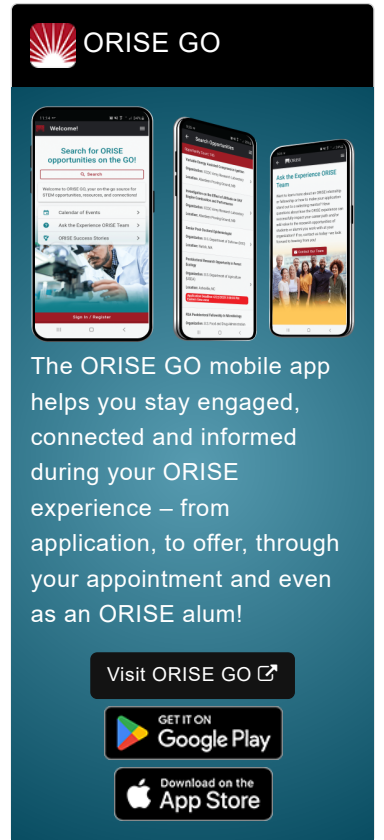
- Design and prototyping of advanced electrical and power systems
- Circuit simulation, modeling, and physical testing
- Development of resilient electronic hardware and rugged enclosures
- Chemical and advanced sensor design and evaluation
- Robotics, coding, and integrated sensing platforms
- Environmental sensing and ecological research (lab, mesocosm, and field scale)
- Data acquisition, analysis, and simulation modeling

Through these projects, you may gain knowledge and skills in:

- Applying electrical engineering concepts to defense and environmental challenges
- Circuit design, simulation, assembly, and testing
- Power system integration and CAD-based hardware design
- Advanced sensors, robotics, and data acquisition systems
- Experimental design and research methods across laboratory and field settings
- Data analysis, visualization, and scientific communication
- Systems engineering principles and the research-to-application process
- Interdisciplinary collaboration within a research environment

Where will I be located? Location Varies

What is the anticipated start date?



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Exact start date will be determined at the time of selection and in coordination with the selected candidate.

What is the appointment length?

Appointments could be a part-time or full-time and up to twelve months. Appointments may be extended depending on funding availability, project assignment, program rules, and availability of the participant.

What are the provisions?

You will receive a stipend to be determined by ERDC-EL. Stipends are typically based on a participant's academic standing, discipline, experience, and research facility location. Other provisions 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 The ideal candidate will have a bachelor's degree or pursuing a master's degree and is interested in hands-on experience in a real-world laboratory environment. The focus on personal career development in the areas of STEM, providing opportunities to network with other students, post-graduates, and researchers across all STEM disciplines.

Application Requirements

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 - Please upload a copy of a transcript for your current or most recent degree program that meets the disciplinary qualifications of the opportunity. [Click here for detailed information about acceptable transcripts.](#)
- One recommendation. 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

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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 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.

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!

Point of Contact [Debbie](#)

- Eligibility Requirements**
- **Citizenship:** U.S. Citizen Only
 - **Degree:** Bachelor's Degree or Master's Degree received within the last 60 months or currently pursuing.
 - **Minimum Overall GPA:** 2.50
 - **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** ([29](#) )
 - **Environmental and Marine Sciences** ([14](#) )
 - **Life Health and Medical Sciences** ([51](#) )
 - **Mathematics and Statistics** ([11](#) )
 - **Physics** ([16](#) )
 - **Science & Engineering-related** ([2](#) )
 - **Social and Behavioral Sciences** ([30](#) )
 - **Age:** Must be 18 years of age