

Opportunity Title: ERDC-ITL: Network Engineering Fellowship

Opportunity Reference Code: ERDC-ITL-2025-0002

Organization U.S. Department of Defense (DOD)

Reference Code ERDC-ITL-2025-0002

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

Description The U.S. Army Engineer Research and Development Center (ERDC) conducts cutting-edge research to develop innovative engineering solutions that enhance national security and infrastructure resilience. ERDC-ITL explores advanced networking technologies to support secure and reliable communication systems essential for military and research applications.

What will I be doing?

Under the guidance of a mentor, you will engage in research focused on network infrastructure optimization, cybersecurity enhancements, and emerging networking technologies. This opportunity will involve hands-on experimentation with network devices, performance analysis, and the development of security best practices aligned with Department of Defense (DoD) standards.

Through this experience, you will gain foundational knowledge in networking protocols, device configuration, cybersecurity principles, and automation techniques. You will develop practical skills in troubleshooting, performance monitoring, and secure network design while collaborating with experienced researchers. Additionally, this opportunity provides exposure to real-world applications of advanced networking within a research environment, fostering professional development and career growth in the field of network engineering.

Where will I be located? Vicksburg, Mississippi

What is the anticipated start date? May 2025

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

What is the appointment length?

This appointment is a full-time two-month research appointment. Appointments may be extended depending on funding availability, project assignment, program rules, and availability of the participant.

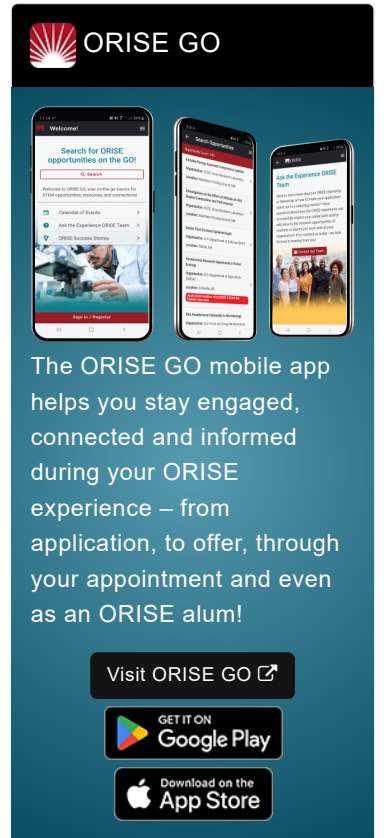
What are the appointment provisions?

You will receive a stipend to be determined by ERDC-ITL. 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




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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 Pursuing a graduate degree in Network Engineering, Computer Science, or a related field.

Technical Knowledge

- Familiarity with networking concepts, including routing, switching, and firewalls
- Basic knowledge of Cisco, Juniper, or other networking platforms (even if just from coursework)
- Understanding of network security principles, such as encryption and authentication

Soft Skills & Strengths

- Strong problem-solving mindset – Ability to analyze and troubleshoot networking issues conceptually
- Willingness to learn – Self-motivated to gain hands-on experience and certifications
- Communication skills – Can explain technical concepts in simple terms
- Attention to detail – Essential for configuring and maintaining networks

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 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.

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Point of Contact [Debbie](#)

- Eligibility**
- Requirements**
- **Citizenship:** U.S. Citizen Only
 - **Degree:** Master's Degree or Doctoral Degree received within the last 60 months or currently pursuing.
 - **Discipline(s):**
 - **Computer, Information, and Data Sciences** ([17](#)👁)
 - **Age:** Must be 18 years of age