

Opportunity Title: Environmental Physiology Undergraduate Internship

Opportunity Reference Code: USAMRDC-RIEM-2024-0015

Organization U.S. Department of Defense (DOD)

Reference Code USAMRDC-RIEM-2024-0015

How to Apply Click on *Apply* at the bottom of the opportunity to start your application.

Description The U.S. Army Research Institute of Environmental Medicine (USARIEM), a subordinate laboratory of the U.S. Army Medical Research and Development Command (USAMRDC), is an internationally recognized center of excellence for Warfighter performance science and its useful applications. The Institute functions as a world-class laboratory for environmental medicine, physiology, performance and nutrition research. It features integrated cellular, tissue, & human research programs. Fellowship will be in the Military Performance Division, whose goal is to conduct research to enhance the performance of military occupational tasks and to prevent performance decrements due to physical overload and musculoskeletal injuries.

What will I be doing?

As a participant, you will join a community of scientists and researchers in supporting research studies regarding human physiological responses to environmental extremes, with a focus on thermal stress.

Why should I apply?

Under the guidance of a mentor, you will gain hands-on experience to complement your education and support your academic and professional goals. You will also engage in activities and research in several areas. These include, but are not limited to:

- Experience in a federal laboratory and operational protocols for doing research with human subjects
- Learning about research in Natick, Massachusetts, using a thermal and hypoxic chambers to simulate environmental extremes
- Learning to take measurements of variables including heart rate, core temperature, and oxygen consumption during exercise

Where will I be located?

Natick, Massachusetts

What is the anticipated start date?

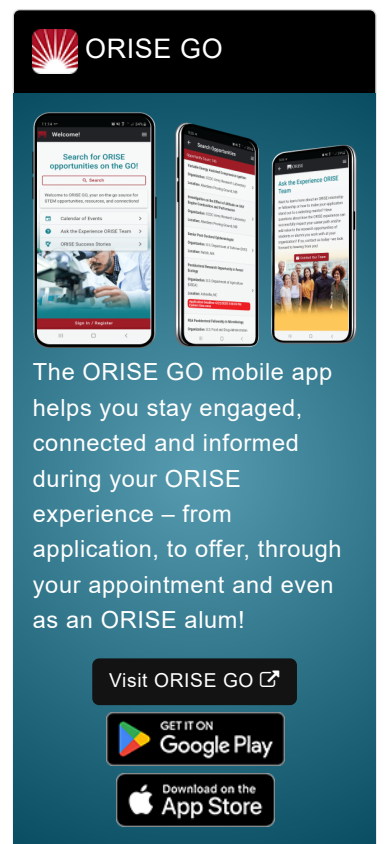
USARIEM is ready to make an appointment effective **May 2024**. Exact start dates will be determined at the time of selection and in coordination with the selected candidate. Applications are reviewed on an ongoing basis and internships will be filled as qualified candidates are identified.

What is the appointment length?

This appointment is a one-year, full-time research appointment, with the possibility to be renewed for additional research periods. Appointments may be extended depending on funding availability, project assignment, program rules, and availability of the participant.

What are the benefits?

You will receive a stipend to be determined by USARIEM. Stipends are typically based on a participant's academic standing, discipline, experience, and research facility location. Other



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benefits may include the following:

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

Nature of Appointment

As a participant, 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.

About USARIEM

The U.S. Army Research Institute of Environmental Medicine (USARIEM), in Natick, Massachusetts has four divisions: Military Nutrition, Military Performance, Thermal and Mountain Medicine, and Research Support. By leveraging its unique capabilities and facilities with industry, academia, and the government, USARIEM produces various essential products, including performance optimization doctrine, preventive medicine, planning doctrine, materiel development support, physiological monitoring strategies and predictive algorithms, and Health Hazard Assessments.

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 qualified candidate will be currently pursuing an undergraduate degree with completed coursework in exercise and environmental physiology.

Highly competitive candidates will have an understanding of the basics of human anatomy and physiology, and an enthusiastic interest in learning about military physiology research.

Application Requirements

A complete application consists of the following:

- Zintellect Profile
- Educational and Employment History
- CV and Cover Letter describing achievements, research interests, career goals, reason of interest, and suitability for this appointment (maximum two pages) - please upload to the resume section on the application
- Transcripts/Academic Records - For this opportunity, an unofficial 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](#)

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[transcripts.](#)

- One Recommendation
- If you have questions, send an email to orise-army-mrhc-riem@orise.orau.gov. Please list the reference code of this opportunity USAMRDC-RIEM-2024-0015 in the email's subject line. 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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- Eligibility Requirements**
- **Citizenship:** U.S. Citizen Only
 - **Degree:** Bachelor's Degree received within the last 60 months or currently pursuing.
 - **Discipline(s):**
 - **Chemistry and Materials Sciences** ([12](#) 👁)
 - **Engineering** ([27](#) 👁)
 - **Environmental and Marine Sciences** ([14](#) 👁)
 - **Life Health and Medical Sciences** ([46](#) 👁)
 - **Social and Behavioral Sciences** ([28](#) 👁)
 - **Age:** Must be 18 years of age