

Opportunity Title: Junior Test Engineer

Opportunity Reference Code: MRMC-AARL-2019-0009R

Organization U.S. Department of Defense (DOD)

Reference Code MRMC-AARL-2019-0009R

How to Apply Components of the online application are as follows:

- Profile Information
- Educational and Employment History
- Essay Questions (goals, experiences, and skills relevant to the opportunity)
- Resume (PDF)
- Transcripts/Academic Records - [Click here for detailed information about acceptable transcripts](#)
- Recommendation

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.

If you have questions, send an email to ARMY-MRMC@orise.orau.gov. Please list the reference code of this opportunity in the subject line of the email.

All documents must be in English or include an official English translation.

Description A research opportunity is currently available with the U.S. Army Aeromedical Research Laboratory (USAARL) in Fort Rucker, Alabama.

The participant will assist the Test Engineer/Manager in conducting Airworthiness testing for carry-on medical items; specifically, assisting in the design and development of novel test methods and equipment. Current research projects include: test and evaluation of commercial off the shelf products for use in a military environment and prototype testing of novel medical and rescue devices with US Army aircraft. Participants will assist researchers with various aspects of approved research protocols and test plans to include, but not limited to:

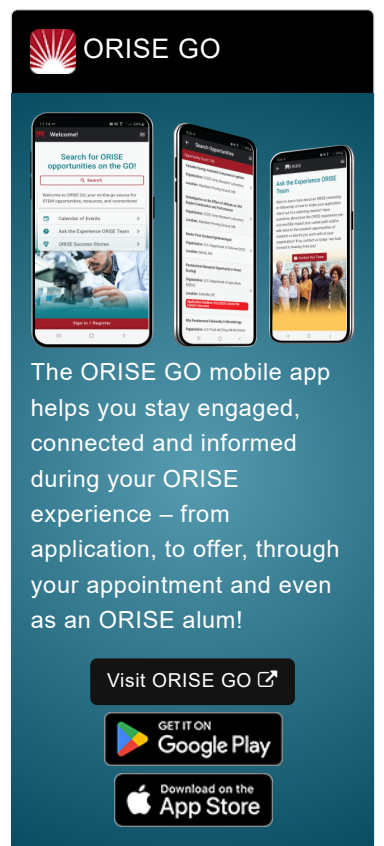
- Writing literature reviews, protocols, and test plans
- Executing research protocols and test plans
- Collecting and analyzing data
- Writing and publishing manuscripts
- Preparing and presenting poster and oral presentations locally and at scientific meetings

Participants will learn about and use novel instrumentation and data acquisition techniques.

Participants will share and communicate lessons learned and knowledge gained with research team colleagues and students.

The selected candidate will undergo a background investigation and must obtain a favorable clearance in order to participate. An interim clearance is required prior to the candidate starting his/her appointment.

USAARL is a nationally recognized laboratory for research into safety, survival, impact tolerance, sustainability and performance effectiveness of aviators and Soldiers. The USAARL's research focuses on blunt, blast and accelerative injury and protection; crew survival in military helicopters and combat vehicles; the en route care environment; human operator health and performance in complex systems and sensory performance, injury and protection. Current USAARL work for the Army's modernization priorities includes research in the areas of future vertical lift, the next



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generation combat vehicle and directed-energy weapons. The Laboratory's highly skilled workforce consists of rated aviators, medical professionals, doctoral- and masters-level researchers, and research technicians. Visit <https://www.usaarl.army.mil/> to learn more about USAARL.

Appointment Length

This appointment is a twelve month 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.

Participant Benefits

Participants will receive a stipend to be determined by USAARL. 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

Nature of Appointment

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

While participants will not enter into an employment relationship with DOD or any other agency, this opportunity will require a suitability investigation/background investigation. Any offer made is considered tentative pending favorable outcome of the investigation.

Qualifications

- B.S. or M.S. in Engineering, Electrical, Mechanical, Biomedical, or Aerospace preferred.
- Strong experience with Microsoft Office software (MS Word, MS Excel, MS PowerPoint) desired
- Experience with CAD software and MATLAB is a plus

Eligibility Requirements

- **Citizenship:** U.S. Citizen Only
- **Degree:** Bachelor's Degree or Master's Degree received within the last 60 months or currently pursuing.
- **Overall GPA:** 2.50
- **Discipline(s):**
 - **Chemistry and Materials Sciences** ([12](#) 👁)
 - **Communications and Graphics Design** ([2](#) 👁)
 - **Computer, Information, and Data Sciences** ([16](#) 👁)
 - **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](#) 👁)

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- **Science & Engineering-related** ([1](#) 👁)
- **Social and Behavioral Sciences** ([27](#) 👁)
- **Age:** Must be 18 years of age