

Opportunity Title: STEM Virtual Summer Internship 2021 - US Army

Opportunity Reference Code: USAISR-2021-0069

Organization U.S. Department of Defense (DOD)

Reference Code USAISR-2021-0069

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 - 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 transcripts.](#)
- 1 Recommendation(s)

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.

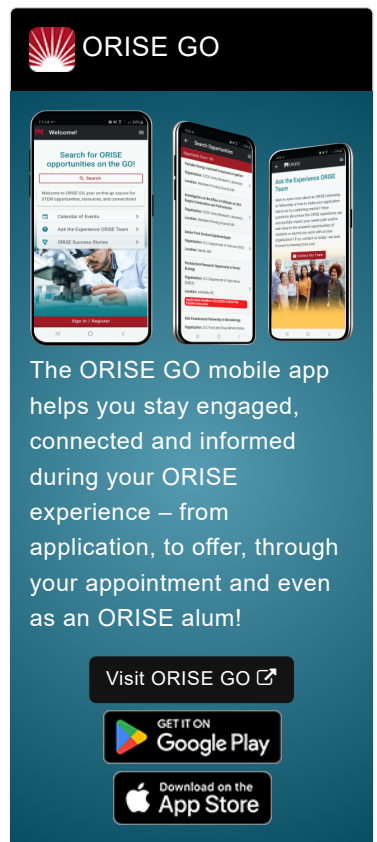
Description Description

The US Army Institute of Surgical Research (USAISR) is seeking applications for summer internship appointments for undergraduate students from accredited colleges and universities to conduct research at the USAISR. The internship has a firm start date of May 31, 2021, and will end on Friday, 6 August 2021. Applicants will be evaluated once their complete packet is submitted. The final deadline for application submission is Monday, March 1, 2021. Only U.S. citizens with a minimum GPA of 3.0 are eligible for this program. Previous alumni of this program are not eligible to apply.

The intent of the undergraduate student internship is to provide an opportunity for students interested in science, engineering or medical career fields to participate in research directed at improving the care of injured military service members and society at large. This mentored research experience will expose interns to ongoing efforts in integrated science, technology and engineering solutions at the nation's premier military trauma research institute.





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Department Descriptions:

Blood Coagulation Research Dept. (BCRD)—Improve the safety, efficacy and logistical supportability of blood products, identify mechanisms of coagulation dysfunction in trauma, diagnostics and therapeutics to restore normal function.

Tactical and Enroute Care Research Dept. (TECRD)—Focused on patient care under the unique set of tactical, environmental and patient factors associated with point of injury care, including ground and air transport.

Clinical Research Support Dept. (CRSD)—Provides support to other ISR programs requiring technology solutions to identified programmatic requirements and documented gaps.

Engineering Processes and Product Development (EPPD)- hardware/software development, design, and usability testing for advance medical technologies.

Key Information

Program Dates: May 31 – August 6, 2021 (10 weeks)

Research Location: Fort Sam Houston, San Antonio, TX; **Students will be participating virtually.**

Stipend: ~\$2,750 per month, full-time participation

Number of Selections: Approximately 8 students will be selected for research participation.

Research Project Descriptions:

<https://orise.orau.gov/zintellect-files/descriptions/us-army-institute-of-surgical-research/ISR-BCRD-01.pdf>

<https://orise.orau.gov/zintellect-files/descriptions/us-army-institute-of-surgical-research/ISR-BCRD-02.pdf>

<https://orise.orau.gov/zintellect-files/descriptions/us-army-institute-of-surgical-research/ISR-BCRD-03.pdf>

<https://orise.orau.gov/zintellect-files/descriptions/us-army-institute-of-surgical-research/ISR-CRSD-01.pdf>

<https://orise.orau.gov/zintellect-files/descriptions/us-army-institute-of-surgical-research/ISR-EPPD-01.pdf>

<https://orise.orau.gov/zintellect-files/descriptions/us-army-institute-of-surgical-research/ISR-TECRD-01.pdf>

Appointment Length

This appointment is a ten week 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

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availability of the participant.

Participant Benefits

Participants will receive a stipend to be determined by **USAISR**. 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.

Qualifications Prerequisites: All interns must have completed at least their first year class requirements for a bachelor's degree with an overall GPA of 3.0 or higher (out of a maximum of 4.0; if other scale is used, provide qualitative interpretation and/or equivalency to 4.0 scale). A science or engineering program of study is preferred, and prior research experience will be considered.

For consideration, the applicant's CV must include the following elements:

- Professional Goal and objective statement (what are your career ambitions and what are you looking for in this experience?)
- Academic Major (if declared) or track (if undeclared)
- Grade-Point Average and expected year of graduation.
- Brief description of prior research laboratory experience(s) including specific laboratory or analytical skills (for example, electrophoresis, cell culture, etc.)
- Any relevant publications or other experience
- Rank-ordered preference of three Task Areas in which to work

Chosen applicants will collaborate closely with a USAISR staff mentor and their research team to conduct a scientific investigation in one of the research Task Areas of the USAISR. Applicants are asked to rank their Task Area preference to their top 3 choices. (Of note, not all areas will participate in the summer program and, therefore, top choices cannot be guaranteed). Interns will present the findings of their research projects at a poster session at the end of the experience.

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- Eligibility**
- **Citizenship:** U.S. Citizen Only
- Requirements**
- **Degree:** Currently pursuing a Bachelor's Degree.
 - **Overall GPA:** 3.00
 - **Discipline(s):**
 - **Chemistry and Materials Sciences** ([12](#))
 - **Communications and Graphics Design** ([2](#))
 - **Computer, Information, and Data Sciences** ([17](#))
 - **Earth and Geosciences** ([21](#))
 - **Engineering** ([27](#))
 - **Environmental and Marine Sciences** ([14](#))
 - **Life Health and Medical Sciences** ([46](#))
 - **Mathematics and Statistics** ([10](#))
 - **Physics** ([16](#))
 - **Science & Engineering-related** ([1](#))
 - **Social and Behavioral Sciences** ([28](#))