

Opportunity Title: U.S. Army DEVCOM CBC - Aerospace Engineering Summer 2021 Intern

Opportunity Reference Code: CCDC-CBC-2021-0011

Organization U.S. Department of Defense (DOD)

Reference Code CCDC-CBC-2021-0011

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

Description The U.S. Army Combat Capabilities Development Command - Chemical Biological Center (DEVCOM-CBC) is offering a undergraduate level internship.

What will I be doing?

As an ORISE participant, you will join a community of scientists and researchers in an effort to conduct aerodynamic experiments to optimize the performance of novel aerodynamic decelerators and aerosol collection technology. This will be a part of a research and development effort by the Smoke and Target Defeat Branch of the US Army DEVCOM CBC.

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. Along the way, you will engage in activities and research in several areas. These include, but are not limited to, analysis of dynamic stability of rotating bodies, as well as the opportunity to fabricate laboratory fixtures and test models, and then perform wind tunnel experiments to determine aerosol collection and aerodynamic characteristics of unique concepts.

As an ORISE participant this opportunity offers several benefits including:

- Acquiring new skills in both experimental and theoretical research and development processes.
- Performing literature searches and subsequent theoretical calculations based on findings.
- Ability to experience real-life applications of theoretical findings by designing concepts that will be experimentally tested in the wind tunnel.

Where will I be located?

Edgewood, Maryland

What is the anticipated start date?

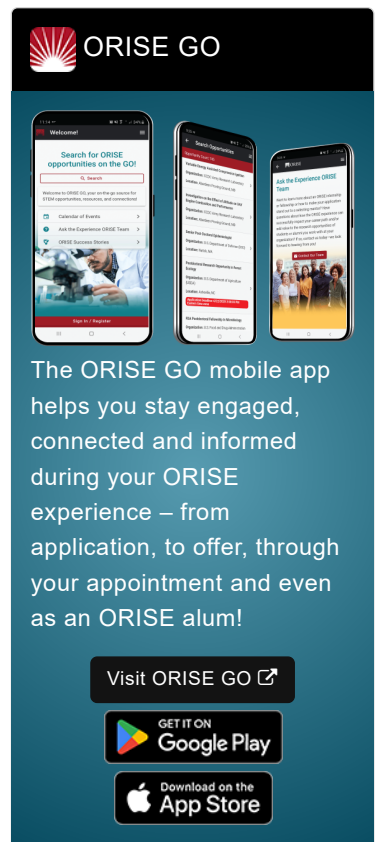
The U.S. Army DEVCOM CBC is ready to make appointments effective July 5, 2021. Exact start dates will be determined at the time of selection and in coordination with the selected candidate. Applications are reviewed on an ongoing basis and internships or fellowships will be filled as qualified candidates are identified.

What is the appointment length?

This is a two-month, part-time appointment, at a participation rate of 16 hours of research per week. 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 US Army DEVCOM CBC. Stipends are typically based on a participant's academic standing, discipline, experience, and research facility location. Other benefits may include the following:



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

About U.S. Army DEVCOM CBC

The U.S. Army Combat Capabilities Development Command - Chemical Biological Center (DEVCOM-CBC) is the primary Department of Defense technical organization for non-medical chemical and biological defense. (DEVCOM-CBC) activities at the Edgewood portion of Aberdeen Proving Ground, Maryland, provide an extraordinary capability against emerging biological and chemical threats by merging intelligence assessments with its world-renowned chemistry, biology, physiology and engineering expertise at every stage of the acquisition life cycle. We provide a unique blend of distinguished scientists and engineers for the research and development of innovative technological solutions to solve chemical and biological defense threats to our nation—both abroad and on the homeland. For more information on the Chemical Biological Center visit <https://www.cbc.cdc.army.mil/>.

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 Applicants should be pursuing a BS degree in Aerospace Engineering and have a strong interest in the field of Dynamics and Aerodynamics. Applicants should be eager to develop hands-on skills with experimental equipment and be physically capable of setting up instrumentation weighing up to 40-lbs. Highly competitive applicants will have experience with Computer Aided Design software.

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 - 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 Required

If you have questions, send an email to ARMY-RDECOM@orise.orau.gov. Please list the reference code of this opportunity CCDC-CBC-2021-0011 in the subject line of the email.

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- Eligibility**
- Requirements**
- **Citizenship:** U.S. Citizen Only
 - **Degree:** Currently pursuing a Bachelor's Degree.
 - **Discipline(s):**
 - **Engineering** ([1](#) )