

Opportunity Title: Postdoctoral Researcher: Countering Weapons of Mass Destruction

Opportunity Reference Code: AFIT-2021-0063

- Organization** U.S. Department of Defense (DOD)
- Reference Code** AFIT-2021-0063
- How to Apply** 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(s)

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.

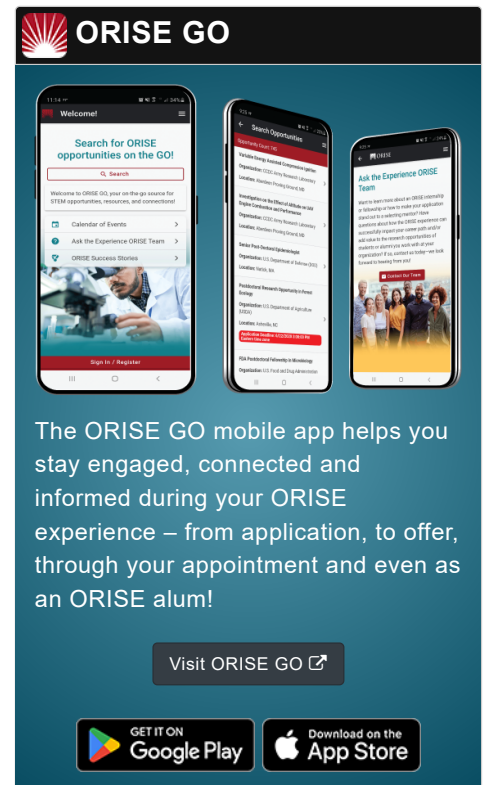
If you have questions, send an email to AIRFORCE@orise.orau.gov. Please list the reference code of this opportunity (AFIT-2021-0063) in the subject line of the email.

Connect with ORISE...on the GO! Download the new ORISE GO mobile app in the [Apple App Store](#) or [Google Play Store](#) to help you stay engaged, connected, and informed during your ORISE experience and beyond!

Description The U.S. Air Force Institute of Technology is offering postdoctoral internships at Wright Patterson Air Force Base, Ohio.

What will I be doing?

This research opportunity is offered through the NEAT center at the Air Force's premier graduate school, AFIT. [NEAT](#) is focused on technical workforce development for meeting USAF challenges that includes research, education, and outreach. Under the guidance of a mentor, you will join a community of scientists and researchers in research to counter weapons of mass destruction will interact with faculty, researchers, and students in a unique technical Countering Weapon of Mass Destruction (CWMD) distance learning



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program. Your experience will include analyzing course and program requirements as well as conducting research and studies to further develop ideas that improve course quality and relevant content. In addition, you will have opportunities to join existing research projects to further develop knowledge and professional skills related to CWMD technologies and methods. You will have the opportunity to provide lectures and collaborate with current faculty in building long-term projects and exercises to test and increase student skills. Areas of application are broad, covering chemical, biological or nuclear weapons of mass destruction development, detection, and survivability. You will support the development of program material content designed to enhance the value and effectiveness of AFIT graduate education.

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:

- Research a topic in CWMD and develop a course problem or group project
- Examine broad CWMD technical battle space with logical connections to each technical area with risk analysis
- Assess human factors based upon a CWMD scenario and present the results to a graduate level audience
- Function in a multidisciplinary research/education team

What is the anticipated start date?

The Air Force Institute of Technology is ready to make appointments immediately. 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.

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.

What are the benefits?

You will receive a stipend to be determined by <<Sponsor>>. 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










Nature of Appointment

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.

The Air Force Institute of Technology, or AFIT, located at Wright-Patterson Air Force Base, Ohio, is the Air Force's graduate school of engineering and management as well as its institution for technical professional continuing education. A component of Air University and Air Education and Training Command, AFIT is committed to providing defense-focused graduate and professional continuing education and research to sustain the technological supremacy of America's air, space and cyber forces.

Qualifications Candidates should have earned a Ph.D. in a STEM discipline within the last 5 years.

Eligibility Requirements

- **Citizenship:** U.S. Citizen Only
- **Degree:** Doctoral Degree received within the last 60 month(s).
- **Discipline(s):**
 - **Chemistry and Materials Sciences** (12 )
 - **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 )
- **Veteran Status:** Veterans Preference, degree received within the last 120 month(s).