

**Opportunity Title:** Countering Weapons of Mass Destruction

**Opportunity Reference Code:** AFIT-2021-0067

**Organization** U.S. Department of Defense (DOD)

**Reference Code** AFIT-2021-0067

**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](mailto:AIRFORCE@orise.orau.gov). Please list the reference code of this opportunity AFIT-2021-0066) in the subject line of the email.

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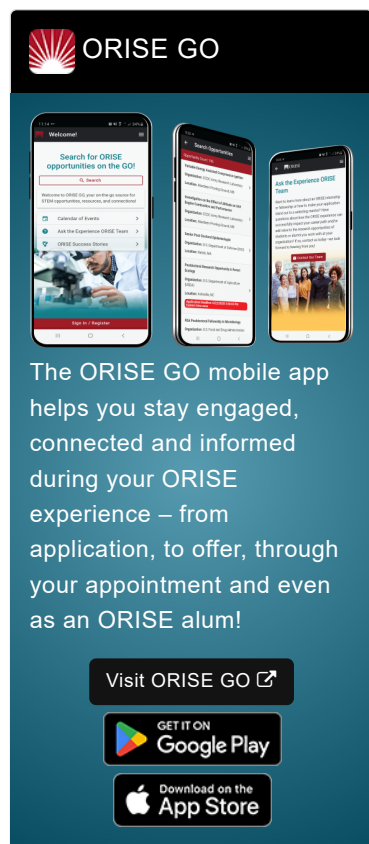
**Letter of Recommendation:** While a letter of recommendation is not required to be considered, applicants are required to provide contact information for one recommendation in order to submit the application. Applicants are encouraged to request a letter of recommendation before submission as this may help reviewers have a better understanding of the applicant's qualifications and interests. If selected, a letter of recommendation must be submitted on your behalf upon acceptance of the appointment.

**Description** The Air Force Institute of Technology is offering postgraduate internships at Wright Patterson Air Force Base.

#### **What will I be doing?**


You will join a community of scientists and researchers in an effort to contribute to research to counter weapons of mass destruction.


This opportunity is offered through the NEAT center at the Air Force's




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premier graduate school, AFIT. [NEAT](#) is focused on technical workforce development for meeting USAF challenges that includes research, education, and outreach. Participant will interact with faculty, researchers, and students in a unique technical Countering Weapon of Mass Destruction (CWMD) distance learning program and develop their knowledge and skills in this area. The participant will conduct research and conduct analyses of radiological materials and develop realistic scenarios that will help students understand applications of science to countering nuclear hazards. The participant will participate in class sessions and interact with faculty and student in order to understand concepts that will enhance their technological skills for the applications taught in the classroom. The participant may provide lectures in their area of experience and collaborate with current faculty to build new topic areas based upon research results. Areas of application are broad, covering radiation health, human factors, nuclear reactors, nuclear weapons effects, detection, and survivability. Participants will develop program material 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:

- Apply human factors to analyze effects of environmental samples
- Research radiological hazards and health effects
- Assess the effects of fallout
- Present the results to a graduate level audience
- Function in a multidisciplinary research/education team

**Where will I be located?** Dayton, Ohio

#### **What is the anticipated start date?**

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 **AFIT**. Stipends are typically based on a participant's academic standing, discipline, experience, and research facility location. Other benefits may include the following:

- Health Insurance Supplement. *Participants are eligible to purchase*

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*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. For more information about the Air Force Institute of Technology, please visit <https://www.afit.edu/>

**Qualifications** Candidates should be currently pursuing or have earned a Bachelor's, Master's, or Doctoral degree in the last 5 years..

- Eligibility Requirements**

- **Citizenship:** U.S. Citizen Only
  - **Degree:** Bachelor's Degree, Master's Degree, or Doctoral Degree received within the last 60 months or currently pursuing.
  - **Discipline(s):**
    - **Business** ([11](#) )
    - **Chemistry and Materials Sciences** ([12](#) )
    - **Communications and Graphics Design** ([6](#) )
    - **Computer, Information, and Data Sciences** ([17](#) )
    - **Earth and Geosciences** ([21](#) )
    - **Engineering** ([27](#) )
    - **Environmental and Marine Sciences** ([14](#) )
    - **Life Health and Medical Sciences** ([4](#) )
    - **Mathematics and Statistics** ([10](#) )
    - **Other Non-Science & Engineering** ([13](#) )
    - **Physics** ([16](#) )
    - **Science & Engineering-related** ([1](#) )