Opportunity Title: AFIT Research Internship - CubeSat Design, Build, and Test
Opportunity Reference Code: AFIT-2021-0059

Organization	U.S. Department of Defense (DOD)
Reference Code	AFIT-2021-0059
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 (blanked out, blackened out, made illegible, etc.) prior to uploading into the application system.

If you have questions, send an email to AIRFORCE@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.
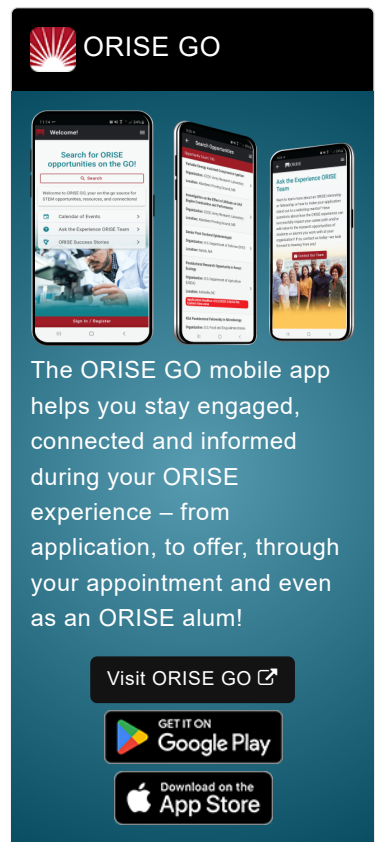
Application Deadline	3/31/2021 3:00:00 PM Eastern Time Zone
Description	Under the guidance of a mentor, the participant will assist AFIT faculty and staff in advancing the process of designing, building, and testing CubeSats. During the internship, the participant will engage in research that will directly support one of CSRA's teams (either software, mechanical engineering, electronics, or space hardware testing). In addition, the participant will interact with researchers across all disciplines to advance development of CSRA's spaceflight experiments

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. Within AFIT, the Center for Space Research and Assurance (CSRA) executes cutting-edge space technology development, science, and space experiments in collaboration with other US government organizations. Our goal is to meet the challenges of tomorrow by developing the technical space cadre

through world-class research and immersive hands-on graduate education. For more information, visit us at https://www.afit.edu/CSRA/.

Appointment Length

This appointment is a three 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 **AFIT.** 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 Applicants should be undergraduate students pursuing a bachelor's degree in one of the following Engineering disciplines:

- Aerospace and Aeronautical

- Computer and Systems Engineering

- Electrical and Electronic Engineering

- Material Science Engineering

- Mechanical Engineering

Eligibility Requirements

- **Citizenship:** U.S. Citizen Only
- **Degree:** Currently pursuing a Bachelor's Degree.
- **Discipline(s):**
  - **Chemistry and Materials Sciences** (12 👁)
  - **Computer, Information, and Data Sciences** (17 👁)
  - **Engineering** (5 👁)
  - **Mathematics and Statistics** (10 👁)
  - **Physics** (16 👁)
  - **Science & Engineering-related** (1 👁)