

Opportunity Title: Mechanical Engineering Internship

Opportunity Reference Code: NAMRU-Dayton-2019-0005

Organization U.S. Department of Defense (DOD)

Reference Code NAMRU-Dayton-2019-0005

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 - [Click here for detailed information about acceptable transcripts](#)
- References

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 navy@orise.ora.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 Naval Medical Research Unit Dayton conducts research on environmental health effects and aerospace medicine, addressing health and performance challenges faced by service members in operational military environments.

Participate in, and collaborate with Engineering & Technical Support Services (ETSS) team on Disorientation Research Device (DRD) sub-system analysis, system state monitoring application development, life-cycle management tracking, research planning, and product improvement design. Receive hands-on mechanical engineering experience by conducting research, designing experiments, collecting and analyzing data, formulating and documenting results, and designing solutions for improvements or new capabilities.

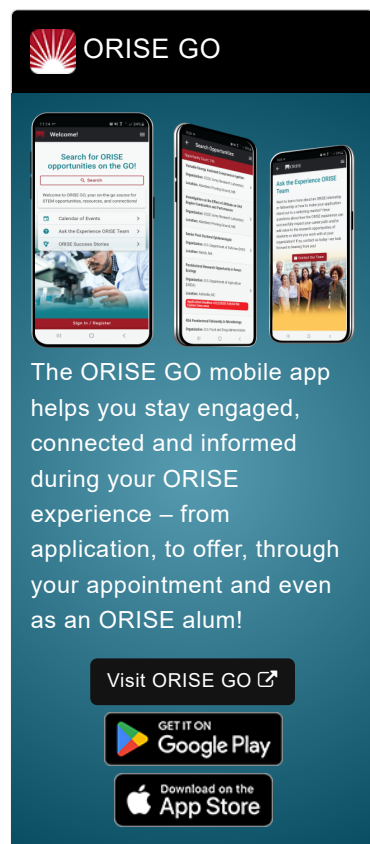
Appointment Length

This ORISE appointment is for a 4 month period. 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 NAMRU-D. 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




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- 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 Undergraduate student in ABET-Accredited Mechanical Engineering Program (preferably third or fourth year). GPA 3.0+

Favorable skills:

- Solidworks or similar CAD/3D modeling experience.
- Knowledge of mechanical design & analysis, strength of materials, thermodynamics, and other fields related to the mechanical engineering discipline.
- Familiarity with mechanical instrumentation and data collection devices such as load cells, accelerometers, thermocouples, etc.
- Desire and ability to collaborate in various environments (hands-on, laboratory, computer based).

- Eligibility Requirements**

- **Citizenship:** U.S. Citizen Only
 - **Degree:** Currently pursuing a Bachelor's Degree to be received by 12/31/2021 12:00:00 AM.
 - **Overall GPA:** 3.00
 - **Discipline(s):**
 - **Computer, Information, and Data Sciences** ([16](#) )
 - **Engineering** ([27](#) )
 - **Mathematics and Statistics** ([10](#) )
 - **Physics** ([16](#) )
 - **Age:** Must be 18 years of age