

**Opportunity Title:** 2024 High Performance Computing Modernization Program (HPCMP) Summer Internship Program

**Opportunity Reference Code:** HPCMP-HIP-2024

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

**Reference Code** HPCMP-HIP-2024

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

**Application Deadline** 6/12/2024 3:00:00 PM Eastern Time Zone

**Description** **About High Performance Computing Modernization Program (HPCMP)**

The Department of Defense's (DoD) High Performance Computing Modernization Program (HPCMP) sponsors two summer research opportunities: the High-Performance Computing Internship Program (HIP) and the Faculty Immersion Experience (FIX). These 10-week experiences are offered in collaboration with more than a dozen DoD hosting organizations nationwide. Both programs seek to strengthen DoD and academic collaboration, enhance research capabilities, and encourage broader university-level participation in high-end computing.

The Department of Defense (DoD) established the [High Performance Computing Modernization Program \[hpc.mil\]](#) (HPCMP) as a department-wide program to provide DoD scientists, engineers, and acquisition engineering professionals with the computational resources needed to develop robust solutions to complete technical challenges.

**The mission** of the Department of Defense (DoD) High Performance Computing Modernization Program (HPCMP) is to accelerate technology development and transition into superior defense capabilities through the strategic application of high-performance computing, networking, and computational expertise.

**The Vision** is one in which a pervasive culture exists within the DoD that drives the routine use of advanced computational environments to solve the Department's most critical mission challenges.

Participants who are interested in HPC research opportunities should consider applying to HPCMP's summer research programs. The HPC Internship Program (HIP) provides students, majoring in science, technology, engineering, and mathematics (STEM) areas, internship opportunities to gain exposure to and experience with high-end computing (HEC) by researching under the mentorship of DOD experts in these areas.

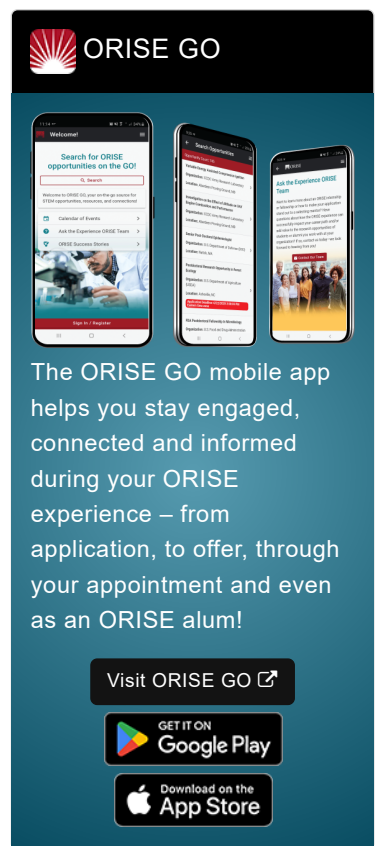
The full list of project descriptions and locations for HIP Summer Internships can be found at our website <https://orise.orau.gov/HPCMP/project-catalog.html>.

During the internship, students will:

- Learn from and collaborate with scientists and engineers at DoD facilities across the nation.
- Contribute to significant Research, Development, Test, Evaluation & Acquisitions Engineering activities.
- Develop critical skills and establish long-term connections.
- Receive financial support including a stipend and travel allowances.
- Gain a competitive advantage and improve long-term career opportunities.


Benefits include:


- **Stipend:** Participants receive a monthly stipend to help defray living expenses during the appointment. Stipend rates are determined by HPCMP based on the participant's education level.
- **Dislocation Allowance:** A dislocation allowance may be provided for participants who




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relocate more than fifty miles, one-way, to the designated host site. This includes roundtrip domestic travel to/from the host location. Participant is responsible for and local transportation prior to arriving at the designated host site.

- **Professional Travel:** Participants may be eligible for reimbursement of pre-approved professional travel expenses related to the educational goals of the designated opportunity.
- **Health Insurance:** Participants may be eligible to enroll in ORISE health insurance to cover medical, dental and vision insurance.

#### **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 need to meet the following eligibility criteria at the time of application:

- Be a U.S. citizen.
- Be at least 18 years of age.
- Pursuing a degree or degree received with the last five years in a science, technology, engineering or mathematics (STEM) discipline.
- Have a cumulative GPA of 3.0 or higher on a 4.00 scale.

**Applicants should be able to pass a National Agency Check and Inquiries (NACI) security investigation should they be selected and accept the internship offer.**

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 official 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.
- One recommendation. Your application will be considered incomplete and will not be reviewed until one recommendation is submitted. We encourage you to contact your recommender(s) as soon as you start your application to ensure they are able to complete the recommendation form and to let them know to expect a message from Zintellect. Recommenders will be asked to rate your scientific capabilities, personal characteristics, and describe how they know you. You can always log back in to your Zintellect account and check the status of your application.

Submitted documents must have all social security numbers, student identification numbers, and/or

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dates of birth removed (blacked 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 [HPCMP@orise.orau.gov](mailto:HPCMP@orise.orau.gov). Please list the reference code of this opportunity in the subject line of the email. Please understand that ORISE does not review applications or select applicants; selections are made by the sponsoring agency identified on this opportunity. All application materials should be submitted via the "Apply" button at the bottom of this opportunity listing. Please do not send application materials to the email address above.

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- Eligibility Requirements**
- **Citizenship:** U.S. Citizen Only
  - **Degree:** Associate's Degree, Bachelor's Degree, Master's Degree, or Doctoral Degree received within the last 60 months or currently pursuing.
  - **Overall GPA:** 3.00
  - **Discipline(s):**
    - **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** ([51](#))
    - **Mathematics and Statistics** ([11](#))
    - **Other Non-Science & Engineering** ([13](#))
    - **Physics** ([16](#))
    - **Science & Engineering-related** ([2](#))
    - **Social and Behavioral Sciences** ([30](#))
  - **Age:** Must be 18 years of age
  - **Veteran Status:** Veterans Preference, degree received within the last 120 month(s).