

Application Process

To apply for a HPC STEM Internship, please visit www.hpc.mil/community/HPC-STEM/ and prepare to answer the following questions:

- Describe what you hope to gain from the internship and what you think you can offer
- List courses you have completed that you believe are relevant to DoD research interest(s)
- List references



2012 Application Deadlines

Please note the following timeline. Start and end times are negotiable.

Application Deadline	March 9
Internship	June 4 - August 24

Contact Us:

To learn more and submit materials, email HPC-STEM-Scholars@hpc.mil or mail to:

HPC STEM Program Director

High Performance Computing
10501 Furnace Road
Suite 101
Lorton, VA 822079



DOD HPC STEM

INTERNSHIP OPPORTUNITIES



DoD High Performance Computing (HPC)

Science Technology Engineering and Mathematics (STEM) Internships

The High Performance Computing (HPC) delivers world-class commercial, high-end, high performance computational capability to the Department of Defense (Do). The program supports approximately 4,500 scientists and engineers located at over 125 DoD laboratories, test centers, universities, and industrial sites. With shared resource centers located throughout the United States, the program nurtures a culture in which DoD's scientists and engineers routinely use advanced computational environments to address the DoD's most complex and challenging problems.

The program helps the DoD maintain the technological edge required to analyze, design, produce, and deploy new technology concepts, advanced weapons systems, and warfighting capabilities. It shares resources across the DoD Services and Agencies to foster collaboration, reduce overall acquisition and sustainment costs, and provide focused support for the DoD science and technology (S&T) and test and evaluation (T&E) communities.

Internship Description

The DoD HPCMP created the HPC STEM Program encourages underrepresented groups, who are pursuing studies in the science, information technology, engineering and mathematics (STEM) disciplines. The HPC STEM Program is for all US Citizens STEM under graduates.

The goal of the program is two-fold:

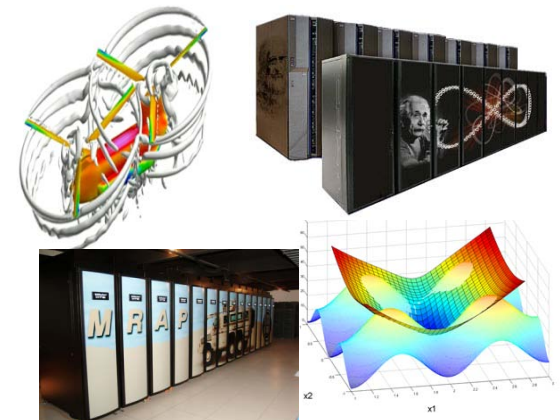
1. Ensure a competitive and diverse workforce within the DoD offering training, mentorship, and career development for undergraduate students in the STEM disciplines.
2. Keep students who have an interest in computational science and high performance computing challenges important to DoD.

HPC STEM offers well-qualified, highly-motivated students an opportunity to work with seasoned and well-respected scientists and engineers located at DoD laboratories and test centers across the country. Interns gain experience in key areas such as computational science, information technology, computer science, and scientific visualization.

Approximately 35 students can be accepted into the program, which runs for approximately 10 weeks during the summer. The HPC STEM Program will match interns with mentors, primarily, on the basis of their background, preparation, and areas of interest. At the end of the program, the interns will present their accomplishments to representatives at host institutions and provide written reports on their research to the Program Director.

Qualifications

- Must qualify as a member of an underrepresented group in a STEM discipline
- US Citizenship required
- Ability to obtain and maintain a Secret
- Clearance 3.2 GPA or higher
- The ability to work well in a team setting; a positive attitude and a bias for action; above average multi-tasking skills; and demonstrated leadership skills.
- Completed sophomore year in college by the start of the program.



Compensation

The stipend is based on level of experience and varies. The HPC STEM Program will provide travel expenses to and from the host institution. Pre-approval is required.