



AMRDEC SEAP PROGRAM

The Application Process Is Now Open For AMRDEC SEAP

Application Deadline: **February 24, 2012.**

Students applying after the deadline will be put on a wait list.

Program dates for AMRDEC SEAP: June 4 - August 3, 2012

Application Link: <https://www.usaeop.com/application/student1.aspx>

Aviation and Missile Research Development and Engineering Center, Redstone Arsenal (Huntsville), Alabama

The Science and Engineering Apprentice Program (SEAP), sponsored by George Washington University and the Department of Defense, is an eight-week summer program for high school students. SEAP is designed so that students can apprentice in fields of their choice with experienced scientists and engineers. This opportunity provides students with valuable experience needed to make informed career decisions. Students apprentice with their mentors on mutually agreed upon projects. At Army Research facilities, the students apprentice in a professional research laboratory setting and learn how their research can benefit the Army as well as the civilian community. Because of the setting, students are treated as research assistants rather than just teenagers. First year participants are awarded an educational stipend of \$2000.

The students contribute to the research of the laboratory while learning research techniques in the process. This "hands-on" experience gives students a broader view of their fields of interest and shows students what kind of work awaits them in their future career. The students also attend demonstrations and go on field trips to learn more about the inner workings of an Army Research Laboratory. At the end of the summer, the students prepare final reports and present their research at a final seminar.

Goals:

Acquaint qualified high school students with the activities of Department of Defense laboratories through summer research and engineering experiences.

- Provide students with opportunities in and exposure to scientific and engineering practices and personnel not available in their school environment.
- Expose those students to DoD research and engineering activities and goals in a way that encourages a positive image and supportive attitude toward our defense community.
- Establish a pool of students preparing for careers in science and engineering with a view toward potential government service.
- Prepare these students to serve as positive role models for their peers thereby encouraging other high school students to take more science and math courses.
- Involve a larger percentage of students from previously underrepresented segments of our population, such as women, African-Americans, and Hispanics, in pursuing science and engineering careers.

Students are selected based on grades, science and math courses taken, standardized test scores, area(s) of interest, teacher recommendations, and their personal statements. Before beginning the online application process, students should be advised to read all information carefully.

Students will not be able to save a partially completed application and retrieve it later to complete it. There are five sections to the application and each section must be completed before advancing to the next section. Students will need the following information to apply for the SEAP program:

- 1) Standardized test scores (PSAT and/or SAT)
- 2) Names and contact information (phone number & email) for 2 references (the individuals who will send in your recommendations)
- 3) List of science and mathematics courses that you have taken or are currently taking
- 4) Prepare for the following questions before starting on the application
- 5) Contact information (name, email, and phone number) of a parent or guardian
- 6) Your laboratory choices (up to 3). Please see the "Locations" page for information about available labs and their focus areas

Students will also need to prepare 3 short essays on three topics. It is advisable to have prepared these essays in a word processing program prior to applying for the SEAP program then paste them into the online SEAP application. The three essay topics are as follows:

- 1) List of science activities you have been involved in (max 3000 characters).
- 2) Major academic and career interests (max 2000 characters).
- 3) Describe why you would like to participate in SEAP (max 500 words). Keep in mind that proper grammar and spelling is an absolute must!

More Information and Points of Contact

For more information please read the SEAP Frequently Asked Questions page at <http://www.usaeop.com/programs/SEAP/SEAP-FOA.html>, contact J.P. Blackford at 202-994-2234/seap@gwu.edu, Cherlyn Gittens on behalf of Ms. Gayla McMichael at cgittens@tmtgroupinc.com/256-536-9717, or the AMRDEC STEM Education & Outreach office by email at AMRDEC-Outreach@amrdec.army.mil,

Gayla Turner McMichael
AMRDEC STEM Education and Outreach Manager
Strategic Planning and Communication Division
U.S. Army Aviation & Missile Research, Development,
and Engineering Center, RDECOM

AMRDEC-Outreach@amrdec.army.mil