



Science & Engineering Apprentice Program (SEAP)

June 11 - August 10, 2018

**U.S Army Engineer Research and Development Center - Construction
Engineering Research Laboratory (ERDC-CERL)
2902 Newmark Drive
Champaign, IL 61822**

What is SEAP?

Sponsored by Department of Defense and the Army Education Outreach Program, the Science & Engineering Apprentice Program (SEAP) is a 9-week summer program for rising 11th and 12th grade 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 those who simply are doing a summer job. The students contribute to the research of the laboratory while learning research techniques. This "hands-on" experience gives students a broader view of their fields of interest and shows students what kinds of opportunities await them in their future career. The students also attend demonstrations and may go on field trips to learn more about the inner workings of an Army research laboratory.

Participants are expected to work 8 hours/day (40 hours/week). At the end of summer, the students submit an abstract about their research project and present their research at a final seminar. Participants are awarded an educational stipend of \$2,650.00. Participants are also given five personal days to use. If they want to use the five days at one time, they can only use them between the third and sixth week of the internship.

The US Army Engineer Research and Development Center - Construction Engineering Research Laboratory (ERDC-CERL) located at 2902 Newmark Drive, in Champaign, Illinois, is a participating laboratory.

SEAP Goals

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

Eligibility Criteria

- High school students who will be a junior or senior in fall 2018, and who are 16 years of age by June 1st.
- Applicants must be US Citizen or Permanent Resident Alien.

Application Process

Students apply on-line at <http://www.usaeop.com/programs/apprenticeships/seap/>
Applications period is **Now until February 28th**. Students should submit the following in their applications:

1. Science activities they have been involved in (max 3000 characters).
2. Academic and career interests (max 2000 characters).
3. Why they would like to participate in the SEAP (max 500 words).

* Students must select an Army Lab location for which to be considered. Students who desire an apprenticeship in Champaign, Illinois should select the *“US Army Engineer Research & Development Center - Construction Engineering Research Laboratory, Champaign, IL”*.

Deadline to Apply

Applications are due **February 28th**. However, please check the SEAP website at: <http://www.usaeop.com/programs/SEAP/applicants.htm> to verify SEAP 2018 deadlines.

Questions

For questions regarding SEAP apprenticeships with the US Army ERDC-CERL in Champaign, IL, please contact: Please feel free to contact Ms. Stacey Summerlin, 217-373-4437 stacey.l.summerlyn@usace.army.mil to direct any questions about this great opportunity to the Outreach Coordinator.

For general SEAP inquiries, please contact: Jody Fortin, Academy of Applied Science jfortin@assa-world.org or call 603-228-4530.