Opportunities for
High School Students

Explore available Tri-Service programs including camps, STEM competitions, and apprenticeships/internships you may find useful during your high school academic progress.

Summer Camps / Programs

GEMS – GAINS IN THE EDUCATION OF MATHEMATICS AND SCIENCE
U.S. Army
- Open to 5th–12th grade
- 1-2 week STEM enrichment program held at U.S. Army Research Centers and Laboratories in the summer.
- Learn more and apply at: https://www.usaeop.com/program/gems/

LEGACY – LEADERSHIP EXPERIENCE GROWING APPRENTICESHIPS COMMITTED TO YOUTH PROGRAM
U.S. Air Force and Space Force
- Open to students ages 11–15 years
- Phase 1: Craftsman is a STEM hands-on camp for 11–15 year-old students
- Learn more and apply at: http://wpafbstem.com/pages/legacy.html

CYBERPATRIOT
U.S. Air Force and Space Force
- Open to 8th – 12th grade
- A weeklong camp aimed at learning about aspects of cybersecurity or other STEM disciplines critical to our nation’s future.
- Learn more and apply at: https://www.uscyberpatriot.org

Summer Apprenticeships & Internships

HIGH SCHOOL APPRENTICESHIPS
U.S. Army
- Open to 9th - 12th grade
- Summer apprenticeship in a university research lab or in one of the U.S. Army Research Laboratories and Centers working one-on-one with mentor.
- Learn more and apply at: https://www.usaeop.com/program/high-school-apprenticeships/

SCIENCE AND ENGINEERING APPRENTICESHIP PROGRAM (SEAP)
U.S. Navy and Marine Corps
- Open to 9th – 12th grade
- 8-week summer internship for high school students at a naval laboratory.
- Learn more and apply at: https://navalsteminterns.us/seap/

LEGACY – LEADERSHIP EXPERIENCE GROWING APPRENTICESHIPS COMMITTED TO YOUTH PROGRAM
U.S. Air Force and Space Force
- Open to student ages 16 – 18+ years
- Phase 2: In the Junior Apprentice high school students work with mentors in Department of the Air Force facilities. In this phase, future investments are established and developed for STEM-discipline higher education.
- Learn more and apply at: http://wpafbstem.com/pages/legacy.html

AIR FORCE RESEARCH LABORATORY (AFRL) SCHOLARS PROGRAM
U.S. Air Force and Space Force
- Open to 11th - 12th grade
- Interns gain valuable hands on experience working with full-time AFRL scientists and engineers on cutting-edge research and technology and are able to contribute to unique, research-based projects.
- Learn more and apply at: https://afrlscholars.usra.edu/
Competitions

NAVAL HORIZONS
U.S. Navy and Marine Corps
- Open to 9th – 12th grade
- STEM Essay Contest
- An essay contest designed to introduce students to cutting-edge STEM topics that impact the U.S. Navy and Marine Corps. Students watch the videos, write and submit an essay to compete for a cash prize.
- Learn more and apply here: https://navalhorizons.us/

CYBERPATRIOT
U.S. Air Force and Space Force
- Open to 8th – 12th grade
- The National Youth Cyber Defense Competition puts high school and middle school students in charge of securing virtual networks through cybersecurity and other STEM disciplines.
- Learn more and register at: https://www.uscyberpatriot.org/home

STELLARXPLORERS
U.S Air Force and Space Force
- Open to 9th – 12th grade
- Teams of students provide solutions to a typical space design problem such as orbit determination, satellite component selection, and launch vehicle planning.
- Learn more and register at: https://stellarxplorers.org/

Scholarships & Military Academy

WEST POINT – UNITED STATES MILITARY ACADEMY
U.S. Army
- Apply 11th – 12th grade
- Full ride scholarship with West Point admission
- Learn more: https://www.westpoint.edu/

U.S. NAVAL ACADEMY
U.S. Navy and Marine Corps
- Apply 11th-12th grade
- Full ride scholarship with Naval Academy admission
- Learn more: https://www.usna.edu/Admissions/

U.S. AIR FORCE ACADEMY
U.S. Air Force and Space Force
- Apply 11th-12th grade
- Full ride scholarship with Air Force Academy admissions
- Learn more: https://www.academyadmissions.com/

SCIENCE, MATHEMATICS & RESEARCH FOR TRANSFORMATION (SMART)
Department of Defense
- Apply in 12th grade
- Scholarship for STEM undergraduate, graduate, and doctoral studies
- Opportunity for STEM college students to receive full tuition and be gainfully employed upon degree completion.
  - There is a one-for-one commitment; for every year of degree funding, the scholar commits to working for a year with the Department of Defense (DoD) as a civilian employee.
  - Summer internships prepare scholars for full-time employment and get them accustomed to working with the DoD.
- Learn more: https://www.smartscholarship.org/smart

More STEM-opportunities from the Tri-Services (U.S. Army, U.S. Navy and Marine Corps, and U.S. Air Force and Space Force) can be found on their websites:

U.S. ARMY
Army Educational Outreach Program (AEOP)
https://www.usaepop.com/

U.S. NAVY AND MARINE CORPS
Naval STEM
https://www.onr.navy.mil/Education-Outreach/naval-stem

U.S. AIR FORCE AND SPACE FORCE
Air Force Research Laboratories (AFRL)
https://www.afrl.af.mil/

AFRL Careers and Opportunities for Students (high school and university)
https://afresearchlab.com/careers-and-opportunities/students-and-faculty/#student-faculty-results