



CYBERPATRIOT

THE AIR FORCE ASSOCIATION'S
NATIONAL YOUTH CYBER EDUCATION PROGRAM

EXTRA TRAINING – Day 5

Education Opportunities



Learning Objectives

- College Cyber Programs
 - FL Programs
 - Cyberseek Listing
- College Scholarships
 - Process
 - Availability
- Service Academies
 - Application Process
 - Summer Programs
- Internships
 - Department of Defense Programs
 - USN | USA | USAF Opportunities



CYBERPATRIOT

THE AIR FORCE ASSOCIATION'S
NATIONAL YOUTH CYBER EDUCATION PROGRAM

Day 5 - SECTION 1

College Cyber Programs

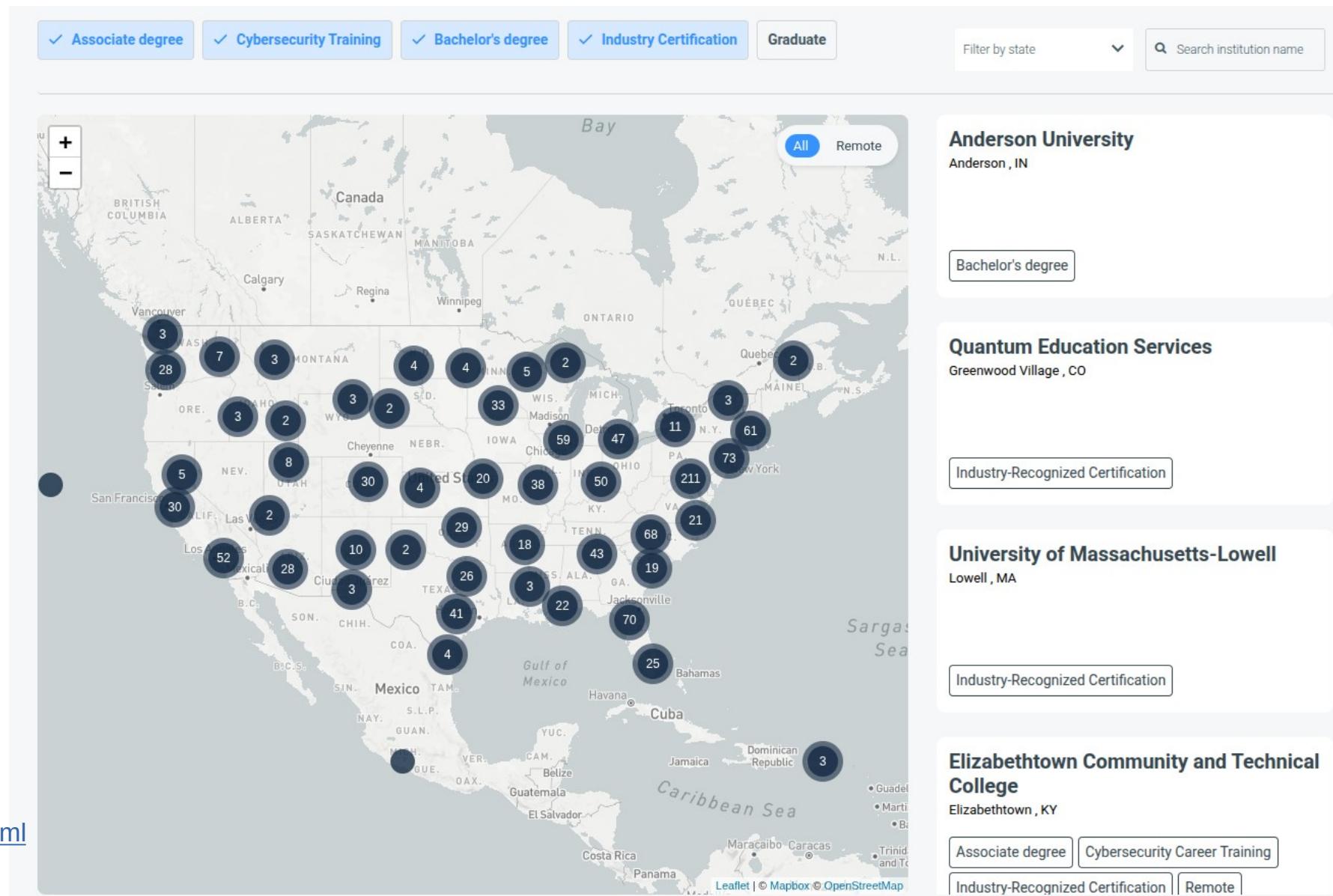


College Training in Cybersecurity

- Cybersecurity programs are newer in many curriculums
 - Jacksonville University
 - Embry Riddle University
- In many cases, part of Computer Science degree, with a minor in Cybersecurity
 - University of Florida
 - University of Georgia
 - University of North Florida
 - Valdosta State University
- College degrees are broader and show well-rounded students
 - However, pace of change with modern technology is out-dating some programs or coursework more quickly
 - Just getting new degree programs in Cyber or AI – some better than others



College Training in Cybersecurity



College Training in Cybersecurity

✓ Associate degree ✓ Cybersecurity Training ✓ Bachelor's degree ✓ Industry Certification Graduate

Florida Search institution name

All Remote

Eastern Florida State College
Cocoa , FL

Associate degree Cybersecurity Career Training
Remote

University of Central Florida
Orlando , FL

Cybersecurity Career Training Remote

Florida State University
Tallahassee , FL

Bachelor's degree Graduate

New Horizons Computer Learning Centers
Tampa , FL

Industry-Recognized Certification Remote

<https://www.cyberseek.org/training.html>

College Training in Cybersecurity

✓ Associate degree ✓ Cybersecurity Training ✓ Bachelor's degree ✓ Industry Certification Graduate

Georgia

Search institution name

Blueprint Education
Savannah, GA

Industry-Recognized Certification Remote

Augusta University
Augusta, GA

Bachelor's degree Cybersecurity Career Training

Graduate

Cyber Leadership and Strategy Solutions, LLC
Atlanta, GA

Cybersecurity Career Training

Industry-Recognized Certification Remote

Columbus State University
Columbus, GA

Industry-Recognized Certification

Cybersecurity Career Training

<https://www.cyberseek.org/training.html>

College Training in Cybersecurity

- Some college programs offer the certification training and exam as part of the new curriculum:
 - CompTIA
 - Cisco
 - EC-Council
 - ISACA
- Certification exams range: \$100 - 1600
- Most exam vouchers are for one exam sitting; some have retake options





CYBERPATRIOT

THE AIR FORCE ASSOCIATION'S
NATIONAL YOUTH CYBER EDUCATION PROGRAM

Day 5 - SECTION 2

College Scholarships



Finding Available Opportunities

- Finding scholarships can be hard; requiring lots of time and energy to sort through the screening of eligibility – before applying
- Local Opportunities
 - VFW and American Legion Posts
 - Local company foundations
 - NAS JAX associations
- Scholarships may apply only to selected requirements or eligibility criteria – needed to be evaluated before applying
 - May only pay for books, uniforms ... for example
 - May only apply to certain income levels, family situations ...

Finding Available Opportunities



- Example – **FOLDS of HONOR**
- Typical small windows of opportunity: 30-60 days to apply
- Each one is different:
 - “Unmet need”, as defined by Folds of Honor, is the portion of your tuition, fees, on-campus dormitory housing (Higher Ed), meal plans (Higher Ed) and required textbooks for the term that are not covered by other sources of awards or financial aid. When determining unmet need for Higher Education students, we do not consider loans or work-study as financial aid.

IMPORTANT DATES

Stay updated on scholarship deadlines and reminders.

MONTH	DATE	TASK
FEBRUARY	1	Scholarship Application Window OPENS - 9:00 AM EST
MARCH	15	Have you completed / submitted your application yet?
MARCH	31	Scholarship Application Window CLOSES – 6:00 PM EST
JULY	31	Scholarship Award Offer Notifications Emailed (TBD – by end of July)
JULY	31	Scholarship Acceptance / Check-in 1 OPENS - shortly after award notifications are sent
SEPTEMBER	15	Scholarship Acceptance / Check-in 1 DEADLINE

Finding Available Opportunities



①

FISHER HOUSE
HELPING MILITARY FAMILIES®

SCHOLARSHIPS
FOR SERVICE

Congrats on getting here!
Pro Tip: Changing some of your attributes may yield surprising new scholarship results. Give it a try!
If you have questions or feedback, please email support@search.militaryscholar.org

292 RESULTS

- Sixth Bomb Group Memorial Scholarship
\$500 >
- USS George H.W. Bush Scholarship >
- Remembering WOJO Scholarship >
- Florida American Legion General Scholarship >
- Airmen Memorial Foundation Scholarship Program
\$1,000 - \$5,000 >
- COL Fred Best Jr., USA & CPO Fred Best Sr., USN Scholarship >
- Simard Veterans Scholarship
\$1,000 >
- USS Hampton Scholarship
\$1,500 >
- Moss Adams Ignite Scholarship
\$1,000 >

<https://search.militaryscholar.org/>

DOD SMART Scholarship

- Department of Defense specific scholarship
- Offers tuition, housing, books ... at selected universities – in exchange for commitment as DOD Civilian after graduation



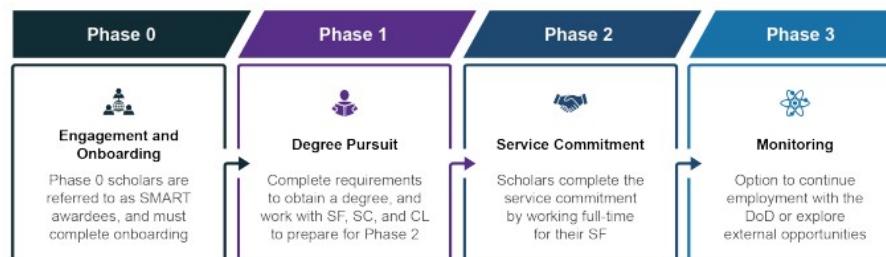
The SMART Program provides academic funding in exchange for completing a period of full-time civilian employment with the DoD. The SSA is a binding agreement between the SMART Scholarship Program and the scholar.



The scholar is required to sign the SSA in exchange for the DoD funding the scholar's academic pursuit.



This handbook applies to all scholars, and unless scholar type is specified, policies and procedures apply to all scholars.



<https://www.smartscholarship.org/scholar>

DOD SMART Scholarship

- 150 Schools / Facilities /Programs participate
- Bachelors or Masters degrees

SMART Scholarship Eligibility and Program Requirements

Exploring the SMART Program and Eligible STEM Degrees

The Science, Mathematics, and Research for Transformation (SMART) Scholarship-for-Service Program, funded by the U.S. Department of Defense (DoD), is a unique education and workforce development opportunity for aspiring leaders in science, technology, engineering, and mathematics (STEM). SMART provides merit-based scholarships to bachelor's, master's, and doctoral students pursuing STEM degrees. In 2023, eligibility was expanded to include incoming college freshmen with no prior college credit, extending the opportunity to high school seniors.

SMART Scholarship recipients receive full tuition, annual stipends, mentorship, health and book allowances, and conduct summer internships at a DoD facility before embarking on a DoD civilian career after graduation. The first step to a rewarding STEM career is reviewing the eligibility requirements, starting with the SMART STEM disciplines. These disciplines are general categories – specific majors or fields of study may fall under one or more disciplines on this list. All scholarship applicants should be pursuing, or intend to pursue, a degree in one of these disciplines.

- | | | | |
|--|--|--|------------------------|
| • Aerospace and Aeronautical Engineering | • Cognitive, Neural, and Behavioral Sciences | • Information Sciences | • Oceanography |
| • Biomedical Engineering | • Computer Science and Engineering | • Materials Science and Engineering | • Operations Research |
| • Biosciences | • Data Science and Analytics | • Mathematics | • Physics |
| • Chemical Engineering | • Electrical Engineering | • Mechanical Engineering | • Software Engineering |
| • Chemistry | • Geosciences | • Naval Architecture and Ocean Engineering | |
| • Civil Engineering | • Industrial and Systems Engineering | • Nuclear Engineering | |



Apply Beginning August 1

Please note, non-technical degrees, including management, arts, or humanities, are not approved or funded by SMART.

<https://www.smartscholarship.org/scholar>



CYBERPATRIOT

THE AIR FORCE ASSOCIATION'S
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Day 5 - SECTION 3

Service Academies



Context

- US Military Academy (USMA)
 - West Point, NY
 - As the nation's first military academy, West Point prepares young men and women to become officers in the U.S. Army. Cadets attend the academy for four years, graduating with a Bachelor of Science degree and a commission as a second lieutenant.
- US Naval Academy (USNA)
 - Annapolis, MD
 - As the undergraduate college of our country's naval service, the Naval Academy prepares young men and women to become professional officers of competence, character, and compassion in the U.S. Navy and Marine Corps. Naval Academy students are midshipmen on active duty in the U.S. Navy.
 - They attend the academy for four years, graduating with bachelor of science degrees and commissions as ensigns in the Navy or second lieutenants in the Marine Corps. Naval Academy graduates serve at least five years in the Navy or Marine Corps.



Context

- US Air Force Academy (USAFA)
 - Colorado Springs, CO
 - To educate, train and inspire men and women to become officers of character motivated to lead the U.S. Air Force and Space Force in service to our nation
- US Coast Guard Academy
 - New London, CT
 - The United States Coast Guard Academy is a top military college granting Bachelor of Science degrees in one of ten engineering or professional majors. Graduates earn a commission as an Ensign in the Coast Guard to serve their nation.
- US Merchant Marine Academy (USMMA)
 - Kings Point, NY
 - We are a federal service academy that educates leaders of exemplary character who are inspired to serve the national security, marine transportation, and economic needs of the United States as licensed Merchant Marine Officers and commissioned officers in the Armed Forces.



Application Process

- The service academy application process involves several key steps and requirements. Students from specific congressional districts can apply for nominations, which are necessary for admission to most U.S. military service academies.
- The application process typically includes submitting academic records, extracurricular activities, and community involvement.
- Additionally, candidates must complete a Candidate Fitness Assessment and undergo a medical examination, which can take up to 4 months.
- The deadline for submitting applications varies by congressional office. Interviews with a board composed of military veterans and civic leaders are also part of the process.
- It is important to note that the process is **highly competitive**, and only a fraction of nominated students ultimately receive an appointment to attend an academy.

Nomination Process

- To receive an offer of appointment to the Naval Academy, an applicant must obtain a nomination from an official source. There are many nomination sources and applicants are encouraged to apply to all available sources. This normally includes a U.S. Representative, two U.S. Senators and the Vice President of the United States. Below are descriptions and eligibility information for each type of nomination source. You do NOT need to know the source personally in order to receive a nomination. Keep in mind that all sources have their own deadlines, so you need to check the website for each source in advance to find out when you should start the application process.

Members of Congress

Each member of Congress can have five constituents attending the Naval Academy at any time.

[Applying for a congressional nomination](#)

Vice President

At any one time, five students may attend the Naval Academy based on a vice presidential nomination.

[Applying for a Vice Presidential nomination](#)

Some additional sources are open to certain individuals

Navy & Marine Corps

One hundred seventy appointments are available annually to regular and reserve Navy and Marine Corps enlisted personnel.

[Applying for an Enlisted Nomination](#)

Reserve Officers Training Corps Units

All Navy and Marine Corps ROTC units and all Navy and Marine Corps JROTC units are eligible to nominate three candidates each.

[Applying for an ROTC Nomination](#)

Children of Deceased/Disabled Vets, POW, MIA

Up to 65 midshipmen may be in attendance at the academy based on nominations as children of military personnel.

[Applying for a Special Nomination](#)

Children of Medal of Honor Recipients

Candidates in this special category who are fully qualified for admission are automatically appointed.

[Applying for a Special Nomination](#)

Presidential Nomination

An unlimited number of presidential nominations are available for children and legally adopted children of retired officer and enlisted personnel of the armed forces, active or reserve, including the Coast Guard.

[Applying for a Presidential Nomination](#)

Nomination Process

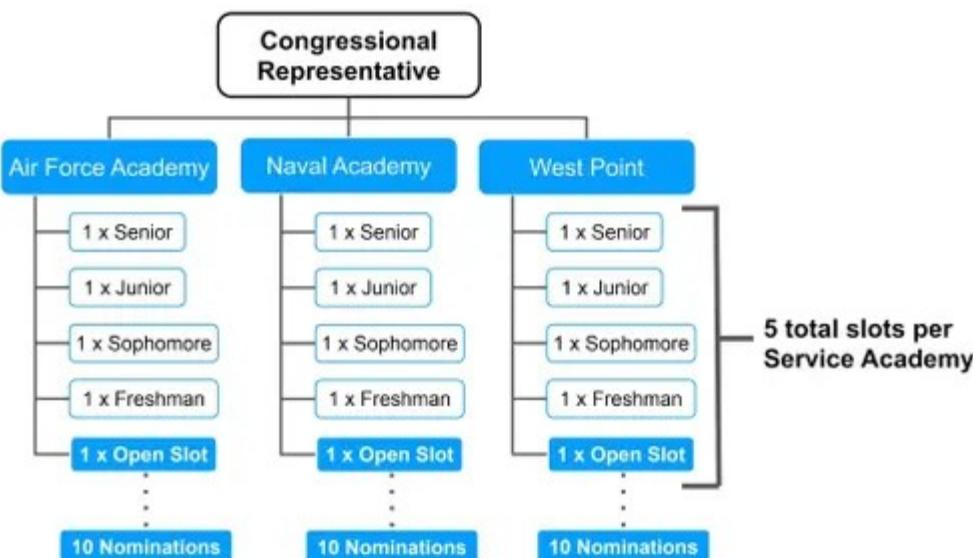
1 CONGRESSIONAL

Both Senators and Congressional Representative.
Requirements and deadlines vary by office.
See Members' website for details.

Timeline: Spring to Fall year prior to entry.

2 VICE PRESIDENT

No geographic restrictions.
Apply online: www.whitehouse.gov/service-academy-nominations/
Submit additional documents through each academy.
Timeline: March 1 year prior to January 31 year of entry.



SERVICE CONNECTED NOMINATIONS FOR MILITARY ACADEMIES

3 CHILD OF ACTIVE DUTY, RESERVE, OR RETIRED SERVICE MEMBER (INCLUDING COAST GUARD)

Presidential nomination.
Application on each DOD academy website.
Timeline: July 1 year prior to January 31 year of entry.

4 ENLISTED SERVICE MEMBERS

May apply for Service Secretary nomination within same service.
May require Commanding Officer endorsement.

5 MEMBER OF ROTC OR JROTC

May be eligible for nomination through ROTC Commanding Officer or JROTC Senior Military Instructor.

6 CHILD OF DISABLED VET, MIA/KIA, OR POW

Contact each DOD academy Admissions Office for requirements.
Timeline: July 1 year prior to January 31 year of entry.

7 CHILD OF MEDAL OF HONOR RECIPIENT

Contact each DOD academy Admissions Office for requirements.
Timeline: July 1 year prior to January 31 year of entry.

Nomination Process

Applicant Timeline

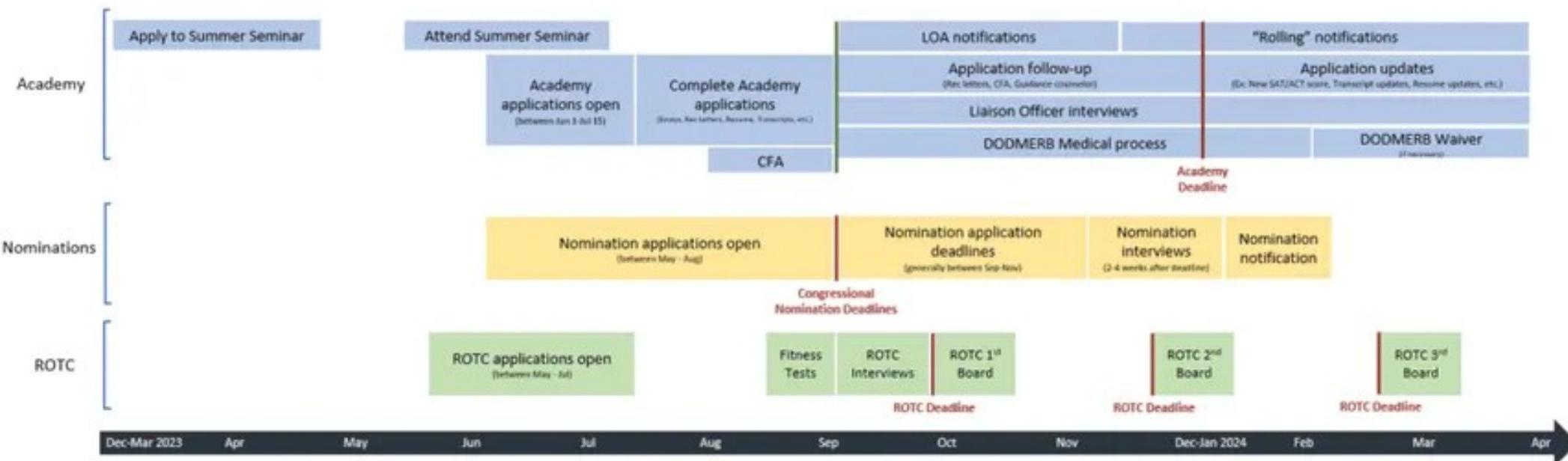
Application Due Dates (subject to change)

- USMA: Jan 31
- USNA: Jan 31
- USCMA: Jan 15
- USMMA: Feb 1
- USAFA: see portal

Notification: typically by Apr 15



ACADEMY ENDEAVORS



*Summer Seminar and Boys/Girls State.

*If applicant does not apply to Summer Seminar, applicant must complete "pre-application" for the Academy, (i.e. USMA CQ, USNA Preliminary Application, USAFA PCQ).

Disclaimer: For illustrative purposes only.

- Intended to illustrate a typical Academy/ROTC applicant. All dates are estimates. Check your application portal and local representatives offices for exact dates.

- Illustration assumes applicant submits Academy application on 31 Aug. In general, applicants are advised to submit early due to rolling admissions at most Academies.

- USCMA: Diagram does not apply to USCMA. USCMA deadlines are usually Oct 15 (Early Action) and Jan 15 (Regular Admissions) each year, and nominations are not an admissions requirement.

- ROTC: Not recommended that Applicant submits before ROTC 1st Board if it's likely that candidacy will be drastically improved after 1st Board (i.e. late SAT score)

- Liaison Officers: In general, liaison officers usually interview candidates after they submit their application because, in some cases, an applicant might not complete their application and then their interview was in vain.

- DODMERB: The medical process usually kickstarts after candidate completes application. Sometimes applicant can start DODMERB after 80% of the application is complete.

Nomination Process – Example – FL Senators

U.S. SENATOR RICK SCOTT &
CONGRESSMAN JIMMY PATRONIS

SERVICE ACADEMY DAY

HIGH SCHOOL AND MIDDLE SCHOOL FAMILIES ARE WELCOME

PENSACOLA STATE COLLEGE

1000 COLLEGE BLVD
BUILDING 27, BROXSON HALL, 3RD FLOOR
PENSACOLA, FL 32504



AUGUST 8, 2025
9:30 AM - 12:30 PM
REGISTRATION BEGINS AT 9:00 AM

FOR MORE INFORMATION, CONTACT:
NOMINATIONS@RICKSCOTT.Senate.GOV
850-760-5151



March 10, 2025:	Application portal opens
September 26, 2025:	Deadline to submit application and required materials
Week of October 13, 2025:	Students notified of interview status via email
October 25, 2025:	In-person interviews conducted (Tampa)
November 2025 through December 31, 2025:	Nomination selections made
January 31, 2026	Deadline for Congressional nomination submissions to U.S. Service Academies



U.S. SENATE
Senator Ashley Moody's 2025 Application for Nomination...

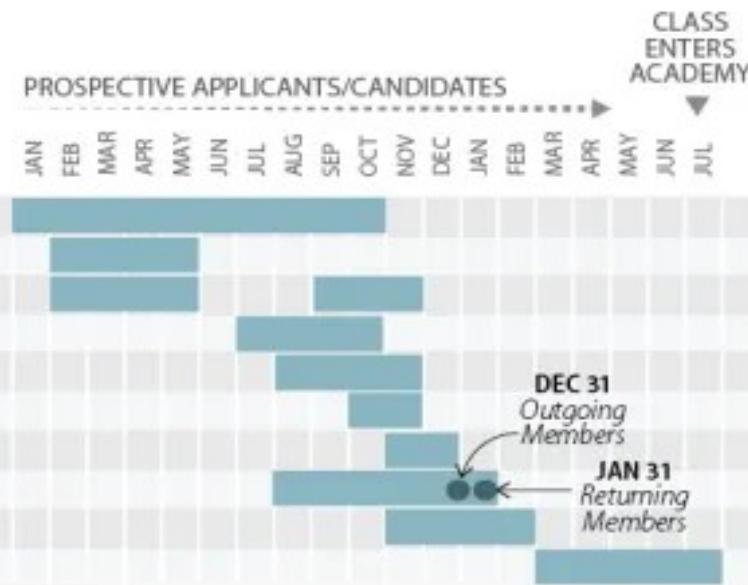
Due on 09/05/2025
11:59 PM Eastern

Nomination Process



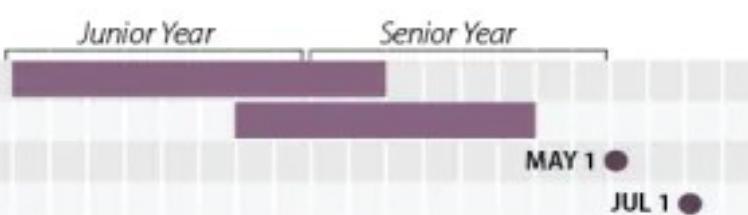
Member Offices

- Outreach for prospective nominees
- Review policies/website for new admissions cycle
- Host Service Academy Days
- Nominate candidates seeking early appointments
- Publicize upcoming nomination deadlines
- Common deadlines for nomination applications
- Selection panel meetings/applicant interviews
- Submit nominations to service academies
- Notify/publicize nominees once determined
- Publicize appointees/those attending academies



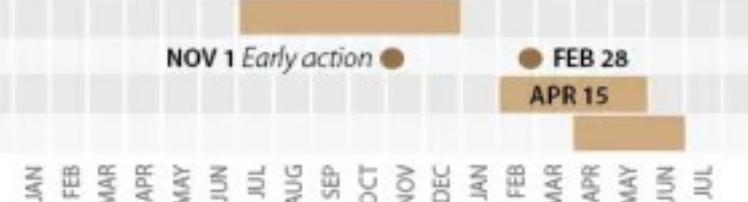
Applicants

- Submit pre-applications; summer programs; take SAT/ACT
- Complete all application requirements
- Accept or decline appointment
- Appointees begin academy



Service Academies

- Begin application review; make early appointments
- Typical admissions deadlines
- Most appointments made; applicants notified
- Fill any remaining appointments



Summer Programs – USNA

- The U.S. Naval Academy (**USNA**) offers several summer programs for high school students, including the Naval Academy Summer Seminar (NASS) and the Summer STEM Program. These programs provide students with an opportunity to experience life at the Naval Academy and gain exposure to academic and military training.

SUMMER SEMINAR

Naval Academy Summer Seminar

For Students Entering the 12th Grade

Summer Seminar kick-starts your Naval Academy application by giving you a taste of life at the Academy. For one week in June, you will experience first-class academic, athletic and professional training while building lifelong friendships with campers from all over the world.

SUMMER STEM

Science Technology Engineering and Math

For Students Entering 9th – 11th Grade

Summer STEM at the Naval Academy is a vibrant week of problem solving, exploratory learning, critical thinking, and team building for rising 9th-11th graders interested in a future in Science, Technology, Engineering, and Math.

USNA Summer Seminar

- The Naval Academy Summer Seminar is a six-day program that gives high school students a taste of what it's like to be a midshipman at the U.S. Naval Academy. Students live in Bancroft Hall, the Academy's iconic dormitory, and take classes in a variety of subjects, including engineering, navigation, and leadership.
 - The program runs during June, with specific dates varying each year. For 2025, there are three sessions for rising high school seniors.
 - The cost is generally around \$650 plus travel expenses, and the application deadline is March 31, 2025.

SUMMER SEMINAR

Naval Academy Summer Seminar

For Students Entering the 12th Grade

Summer Seminar kick-starts your Naval Academy application by giving you a taste of life at the Academy. For one week in June, you will experience first-class academic, athletic and professional training while building lifelong friendships with campers from all over the world.

2025 Session Dates

Summer Seminar (*rising 12th graders*)

Session 1 (Saturday - Thursday): May 31 - June 5, 2025

Session 2 (Saturday - Thursday): June 7 - June 12, 2025

Session 3 (Saturday - Thursday): June 14 - June 19, 2025 (*please note this session runs during a Federal holiday*)

[More about Summer Seminar](#)

USNA Summer STEM

- The Summer STEM Program is a one-week program that encourages rising 9th-11th graders to pursue careers in science, technology, engineering, and math. Students participate in hands-on learning in world-class lab facilities with distinguished faculty and Midshipmen. The program fee is \$750 per session, which covers room, board, meals, USNA Summer STEM apparel, and a day trip to Washington, D.C. Bus transportation to and from BWI Airport and the Academy is provided.

SUMMER STEM

Science Technology
Engineering and Math

For Students Entering 9th – 11th Grade

Summer STEM at the Naval Academy is a vibrant week of problem solving, exploratory learning, critical thinking, and team building for rising 9th-11th graders interested in a future in Science, Technology, Engineering, and Math.

2025 Session Dates

Summer STEM (*rising 9th-11th graders*)

Session 1 (Monday - Saturday): June 2 - 7, 2025

Session 2 (Monday - Saturday): June 9 - 14, 2025

Session 3 (Monday - Friday): June 16 - 20, 2025 (*please note this session runs during a Federal holiday*)



[**More about Summer STEM**](#)

Summer Programs – USMA

- The U.S. Military Academy (**USMA**) at West Point offers the Summer Leaders Experience (SLE), a week-long program designed for high school juniors who are considering a future at West Point.
- This program provides participants with firsthand exposure to the academic, military, and social aspects of cadet life.
- The program includes a variety of activities such as academic workshops, military training, athletics, and social events. Participants also have the opportunity to meet with Army officers and learn more about the admissions process.



Summer Programs – USMA

- The SLE is highly competitive, with **only 1,100 slots available each year.**
- The average attendee has SAT scores between 1200-1300, is in the top 20% of their class, and participates in extracurricular leadership activities. However, students are encouraged to apply even if they do not meet all these criteria.
- The SLE is a tool that helps students understand why West Point might be a good fit for them. By applying for the SLE, students are also opening an admissions file at the academy.

What is SLE like?

SLE provides activities and experiences that challenge you mentally and physically as well as give you unprecedented insight into whether the U.S. Military Academy is a good fit for you, including the following:

- One-on-one time with a West Point cadet
- Opportunity to explore our academic curriculum
- Forum with West Point athletics coaches
- Counseling sessions with the West Point Admissions team
- Training and experience in U.S. Army squad, platoon, and company leadership
- Cadet Fitness Test training and tips for success
- Intense team-building activities with other elite high school students
- Graduation ceremony for West Point Summer Leaders Experience
- Social events that provide insight into cadet life

[View the SLE photo album on FLICKR](#)

How do students apply for the Summer Leaders Experience?

SLE applications are accepted from Feb. 15 through April 15 of your junior year in high school.

To apply, complete the SLE Checklist within the application.

[Start the application now!](#)

Summer Programs – USAF

- Summer Seminar at the United States Air Force Academy gives students the opportunity to experience life on campus firsthand. Specially designed for high school juniors heading into their senior year, Summer Seminar allows participants to live like a U.S. Air Force Academy cadet for four days.
- Applications for Summer Seminar 2025 will open December 1, 2024 and **close January 15, 2025.**

What to Expect

During Summer Seminar, you will be assigned to an “element” or group, with an upper-class cadet as your Element Leader. Your Element Leader will be with you almost 24 hours a day as your mentor and guide.

Be sure to check out our [Summer Seminar FAQ](#) to learn more.

JUNIOR YEAR

Start Your Application

Junior year is when your application process for the Academy truly begins. You will start by filling out the Pre-candidate Questionnaire, which becomes available online March 1.

Along with your element, you will:

- Live in cadet dormitories and eat at the cadet dining facility.
- Explore academic facilities and research labs.
- Participate in a variety of workshops, including some to assist with your application.

Between March 1 of your junior year and December 31 of your senior year, you must:

- Submit a completed Pre-candidate Questionnaire. If you are ready to begin your application, the [Pre-candidate Questionnaire](#) is available online.
- Request nominations from your state's congressional representative(s) or other designated nominator.

Summer Programs – USAF



Selection Process

Students are selected to participate in Summer Seminar based on a "whole-person concept" that includes demonstrated leadership experience or potential in extracurricular and community activities, athletics and academics. Historically, more than 3,200 people apply and roughly 640 are selected.

Please keep in mind the selection process to attend.

Summer Seminar is NOT in any way a prerequisite for admission to the Academy. It is also NOT a prescreening or preselection program. All students applying for Summer Seminar are encouraged to apply for appointment to the Academy, regardless of selection for Summer Seminar. If you are not selected, it should not be interpreted as a reflection of your qualifications or ability to successfully pursue an appointment.

How to Apply

Our online Summer Seminar application is open from December 1 to January 15. To apply, click the blue "Apply Now" button at the top of the screen. This will take you to the application portal, where you'll need to select the Summer Seminar Application button to get started.

Selections for Summer Seminar are based on the qualifications of each applicant and not on a first-come, first-served basis.

Under no circumstances will late applications be accepted.

If you have questions about the program, please email

Summer.Seminar@afacademy.af.edu.

You will need the following information available to complete the application:

- Full legal name
- Mailing address/home phone/email address
- High school and junior class size
- Social Security number
- Current high school GPA of 3.0 or above
- Grades for English and math
English (ninth grade–first semester of 11th grade) and math (algebra I and II, geometry, trigonometry, physics, chemistry)
- One or more test scores (Optional): PSAT, PreACT, ACT or SAT



CYBERPATRIOT

THE AIR FORCE ASSOCIATION'S
NATIONAL YOUTH CYBER EDUCATION PROGRAM

Day 5 - SECTION 4

Internships and Other Opportunities



Department of Defense Opportunities

- Exist across all levels
 - High School Students
 - College Students
 - Educators

Participate in STEM

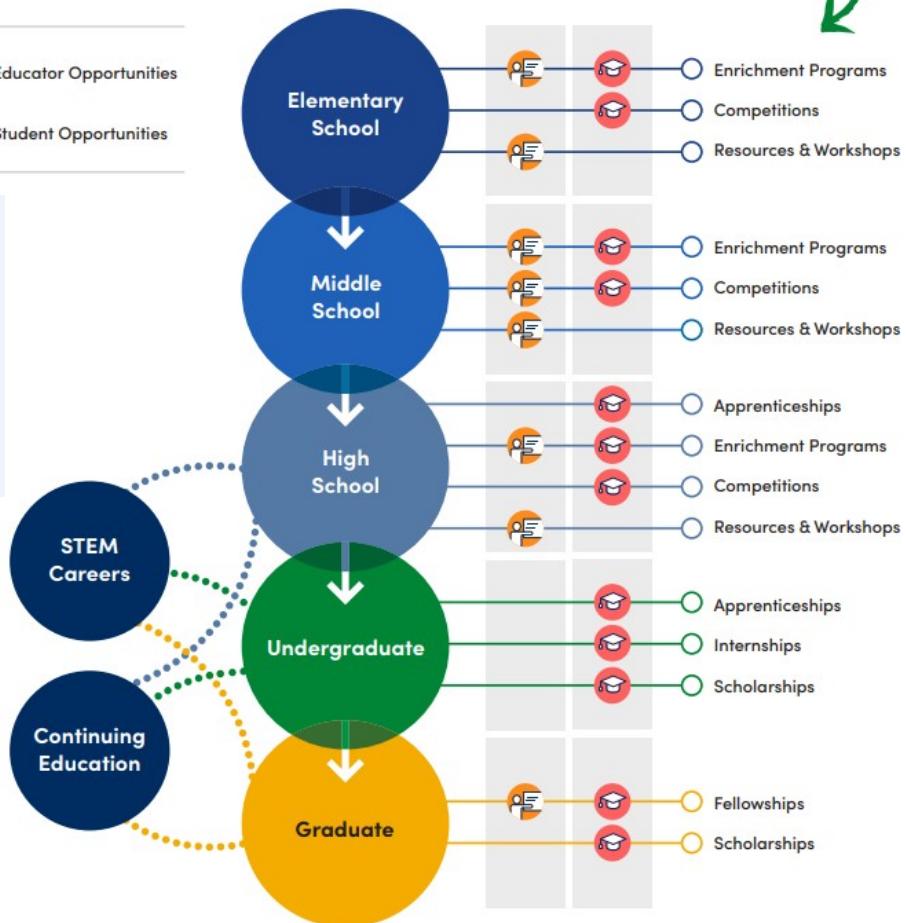


DoD STEM supports a wide variety of activities including after-school programs, competitions, and internships for students and professional development and training for educators. Learn about upcoming STEM opportunities in your area or online.

[View All STEM Opportunities +](#)

STEM OPPORTUNITIES FOR STUDENTS & EDUCATORS

- Educator Opportunities
- Student Opportunities



<https://dodstem.us/>

Department of Defense Opportunities



20 Results

Florida x

Sort ▾

STUDENTS

The Chief Science Officer (CSO) Program ↗

The Chief Science Officer (CSO) program, powered by SciTech Institute, is comprised of students grades 6-12 who are elected by their peers to serve as STEM leaders and ambassadors in their schools and communities. During their time as CSOs, students are able to enhance their workforce and employability skills; join a global network of STEM leaders prepared for college, careers, and civic engagement; increase the engagement of community and global STEM professionals; and implement STEM-focused action plans to impact their communities.

17 States ▾

- PROGRAM
- GRADES 6-8
- GRADES 9-12

STUDENTS

National Data Science High School Research Program ↗

The Coding Schools National Data Science High School Research Program (NDSRP) is a five-week summer training and research program for high school students to gain data skills, mentorship, and academic, government, or industry experience. With no prerequisites, students will spend the first 2.5 weeks developing foundational data science skills; subsequently, they will spend the rest of the program (2.5 weeks) working with an industry, academic, or government mentor on a research project. The goal of the program is to ensure students gain critical skills in data science and learn about different career pathways, while increasing their college competitiveness and developing life-long mentors. Accepting applicants nationwide (virtual opportunity).

Nationwide

- PROGRAM
- GRADES 9-12

STUDENTS, VOLUNTEERS

FIRST Robotics Competition ↗

FIRST® Robotics Competition teams design, program, and build industrial-sized robots from scratch with a kit of parts and a common set of rules to play a different game every season. Teams also create a team identity, develop community partnerships for support, and work to promote STEM in their local community. Participants and alumni have access to education and career discovery opportunities, connections to scholarships and employers, and a place in the FIRST community for life. Accepting participants nationwide.

- COMPETITION
- PROGRAM
- GRADES 9-12

Department of Defense Opportunities

● STUDENTS

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 Nationwide

- PROGRAM
- GRADES 9-12



The landing page for the National High School Research Program features a large banner image of a classical building with columns. Overlaid on the banner is the text "National High School Research Program". Below the banner, a callout box contains the text "Increase your college competitiveness this summer by conducting research in: Quantum Computing | Data Science | Artificial Intelligence". Further down, it says "Incoming 9th – 12th graders + rising college freshmen Virtual 5-week Summer Research Opportunities". A prominent teal "Apply" button is centered in the lower half of the banner. At the bottom, the text "Learn from world class mentors in academia, government and industry from" is followed by logos for Columbia University Data Science Institute, Harvard University, Massachusetts Institute of Technology, Stanford University, and the University of California Berkeley.

<https://dodstem.us/participate/opportunities/?state=FL>

<https://the-cs.org/nhsrp>

Department of Defense Opportunities



<https://dodstem.us/participate/opportunities/?state=FL>

20 Results [Florida x](#) Sort ▾

● STUDENTS

The Chief Science Officer (CSO) Program ↗

The Chief Science Officer (CSO) program, powered by SciTech Institute, is comprised of students grades 6-12 who are elected by their peers to serve as STEM leaders and ambassadors in their schools and communities. During their time as CSOs, students are able to enhance their workforce and employability skills; join a global network of STEM leaders prepared for college, careers, and civic engagement; increase the engagement of community and global STEM professionals; and implement STEM-focused action plans to impact their communities.

📍 17 States ▾

- PROGRAM
- GRADES 6-8
- GRADES 9-12

● STUDENTS

National Data Science High School Research Program ↗

The Coding Schools National Data Science High School Research Program (NDSRP) is a five-week summer training and research program for high school students to gain data skills, mentorship, and academic, government, or industry experience. With no prerequisites, students will spend the first 2.5 weeks developing foundational data science skills; subsequently, they will spend the rest of the program (2.5 weeks) working with an industry, academic, or government mentor on a research project. The goal of the program is to ensure students gain critical skills in data science and learn about different career pathways, while increasing their college competitiveness and developing life-long mentors. Accepting applicants nationwide (virtual opportunity).

📍 Nationwide

- PROGRAM
- GRADES 9-12

● STUDENTS, VOLUNTEERS

FIRST Robotics Competition ↗

FIRST® Robotics Competition teams design, program, and build industrial-sized robots from scratch with a kit of parts and a common set of rules to play a different game every season. Teams also create a team identity, develop community partnerships for support, and work to promote STEM in their local community. Participants and alumni have access to education and career discovery opportunities, connections to scholarships and employers, and a place in the FIRST community for life. Accepting participants nationwide.

- COMPETITION
- PROGRAM
- GRADES 9-12

Department of Defense Opportunities

STUDENTS

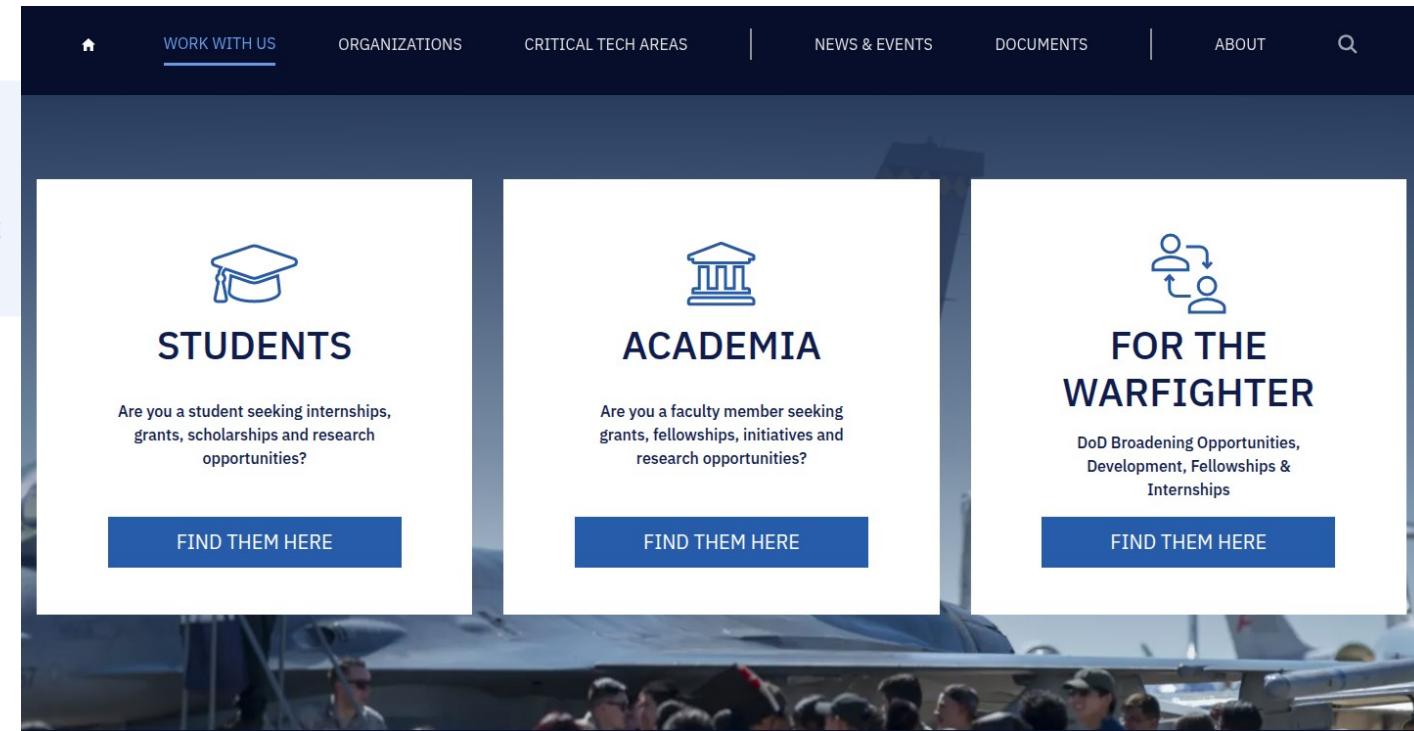
DoD Cyber Security Viceroy Maven Summer Internship

The DoD Cyber Security Viceroy Maven Summer Internship is a faculty-led, multi-institution research program that targets key cyber and electromagnetic spectrum operations (EMSO) challenges crucial to the Department of Defense. It provides scholarships and stipends to students, sponsors research projects of DoD interest, and hosts seminars, workshops, and competitions. The program's results and lessons learned are shared annually at the VICEROY Symposium, making it a vital opportunity for those dedicated to strengthening cybersecurity and EMSO capabilities.

 Fall

 Nationwide

- INTERNSHIP OR APPRENTICESHIP
- GRADES 9-12
- UNDERGRADUATE
- GRADUATE



The screenshot shows a dark-themed website header with navigation links: WORK WITH US (underlined), ORGANIZATIONS, CRITICAL TECH AREAS, NEWS & EVENTS, DOCUMENTS, ABOUT, and a search icon. Below the header are three main sections: 'STUDENTS' (with a graduation cap icon), 'ACADEMIA' (with a classical building icon), and 'FOR THE WARFIGHTER' (with a soldier icon). Each section has a brief description and a 'FIND THEM HERE' button. The background of the page features a blurred image of military aircraft and personnel.

-  STUDENTS
- Are you a student seeking internships, grants, scholarships and research opportunities?
- [FIND THEM HERE](#)

-  ACADEMIA
- Are you a faculty member seeking grants, fellowships, initiatives and research opportunities?
- [FIND THEM HERE](#)

-  FOR THE WARFIGHTER
- DoD Broadening Opportunities, Development, Fellowships & Internships
- [FIND THEM HERE](#)

<https://dodstem.us/participate/opportunities/?state=GA>

<https://www.ctoinnovation.mil/students-and-academia>

US NAVY SEAP

- US NAVY Science Engineering Apprenticeship Program (**SEAP**)
 - Engineering based internships
 - To apply for SEAP, you must currently be enrolled in high school (you may be taking college level courses for college credit) and have completed grade 9 by the time of application (some labs make exceptions to the age minimum; students who have yet to complete 9th grade should consult the Labs page for eligibility requirements for each lab). You must be able to produce transcripts to validate your enrollment.



US NAVY SEAP

- Example program offering at NAS Jacksonville
 - *Avionics Engineering*
 - *Aircraft Support Equipment & Aircraft Launch/Recovery Equipment*
 - *ATE/TPS/SE Acquisition*
 - *ATE/TPS/SE Design*
 - *ATE/TPS/SE Fleet Support*
 - *Materials Certification*

FRCSE NAVAL AIR SYSTEMS COMMAND FLEET READINESS CENTER SOUTHEAST

LOCATION: Jacksonville, Florida	WEBSITE: https://www.navair.navy.mil/organization/FRCSE	CONTACTS: Kami Carter - kami.e.carter.civ@us.navy.mil Bradford Youngers - bradford.j.youngers.civ@us.navy.mil
WORK SCHEDULE TYPE: On-site (The internship will be performed entirely at the lab.)		
STUDENT REQUIREMENTS: Interns must be U.S. citizens or permanent residents. Students must also have a driver's license.		
MISSION To produce quality airframes, engines, components and support equipment, and provide service that meet the Naval Aviation Enterprise's aircraft ready-for-tasking goals with improved effectiveness and efficiency.		
ABOUT THE LAB As part of the Fleet Readiness Center Southeast (FRCSE), the Jacksonville Materials Engineering Laboratory is actively involved in the technologies and processes utilized to perform maintenance, repair, and overhaul (MRO) on multiple types of Navy aircraft, including fighter and attack planes, patrol, anti-submarine, reconnaissance, transport, trainer, and rotary wing. The Materials Engineering Division occupies a modern 16,500 ft ² laboratory equipped with sophisticated analytical equipment used to solve aircraft-related materials problems, develop intricate process procedures, perform research, testing, and evaluation activities, and continually improve the processes in use within FRCSE. Services range from basic materials identification to complex material failure root cause determination. The staff consists of approximately 40 materials engineers, chemical engineers, chemists, technicians, and administrative personnel.		
WHAT IS UNIQUE ABOUT THIS LAB? The staff remains current with the latest scientific and technical advances through interactions with other Department of Defense (DoD) activities, industry, and academia. The division's experts actively participate in many research and technology insertion projects, working with programs such as the Office of Naval Research (ONR), Navy Environmental Sustainability Development to Integration (NESDI) program, Small Business Innovative Research (SBIR), and Environmental Security Technology Certification Program (ESTCP). Scientists perform a variety of materials engineering research projects.		
ABOUT THE INTERNSHIP We are seeking motivated high school students with an interest in expanding their knowledge and developing their hands-on experience in engineering, computer science, electronics, finance, logistics, and contracts management. The Naval Air Systems Command (NAVAIR) offers you a challenging and exciting career in the federal government with a variety of opportunities to achieve your career goals. Demonstrating and validating new technologies to improve material performance is a key area of research interest at FRCSE. Students will uniquely benefit from not only research in the laboratory, but the hands-on experience gained with exposure to the industrial operations of aircraft maintenance and repair.		
WHAT WILL I DO ANY GIVEN DAY AS AN INTERN AT THIS LAB? Interns participate in lab functions in a number of ways including (but not limited to) assisting mentors with guided research projects; job and project shadowing with professional researchers;		

US NAVY SEAP

- 8 week summer internship
- Must be 16+ - will depend on the program
- Stipend driven

STUDENT QUAD CHARTS



DO YOU HAVE ADDITIONAL QUESTIONS?

We would be happy to hear from you and are here to answer all of your questions. Get In Touch seap@saxmanone.com or call (571) 292-5826

Applications open August 1st - November 1st.

US ARMY AEOP

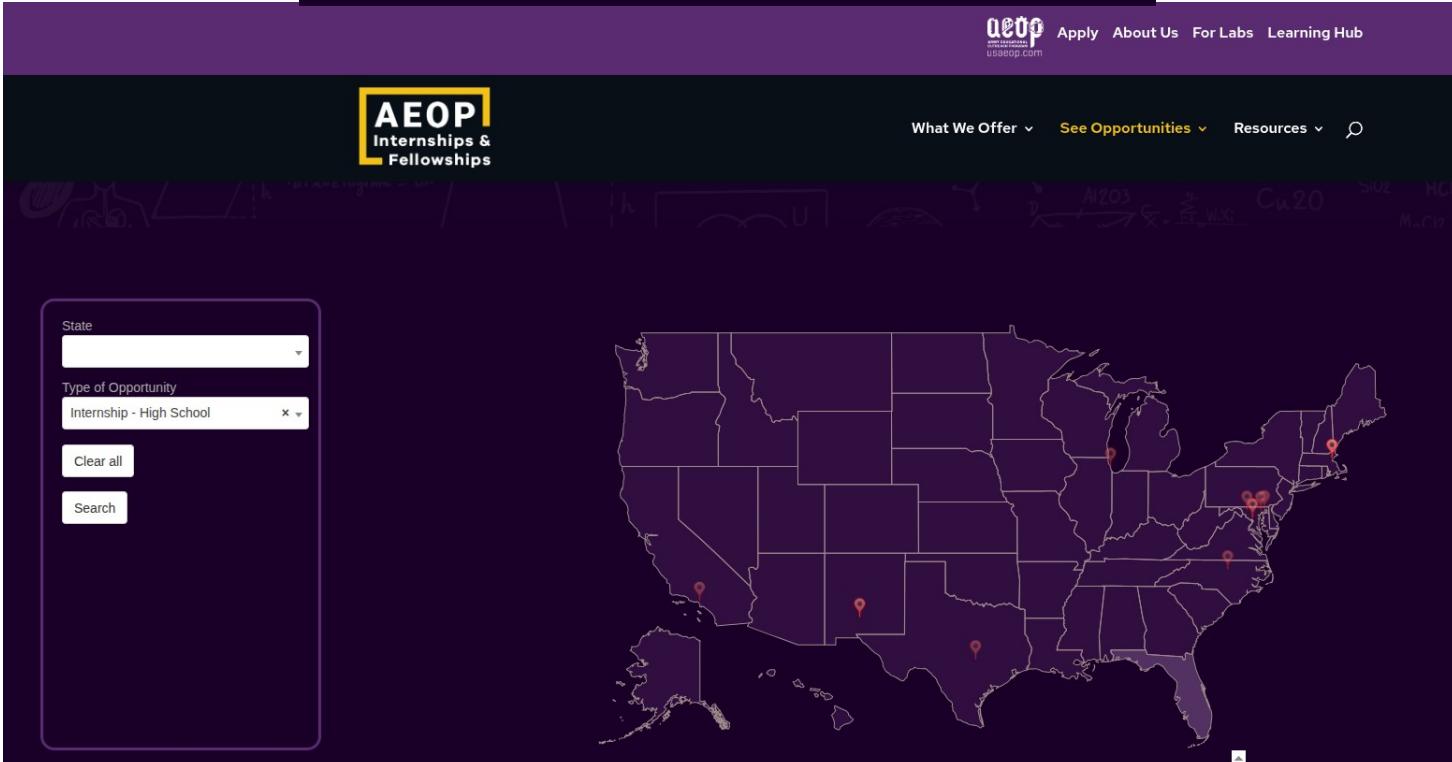
- US Army Education Outreach Program (**AEOP**)
- The Army Educational Outreach Program (AEOP) is one part of the Army's investment in our nation's future STEM professionals, and with a mission to provide an accessible pathway of STEM opportunities to attract, develop, and mentor the next generation of talent.

Internship - High School
High School Intern

DEVCOM Army Research Laboratory - ARL Northeast
Boston, Massachusetts

The U.S. Army Combat Capabilities Development Command Army Research Laboratory, known as DEVCOM ARL, is the Army's research laboratory. Nested strategically within DEVCOM and the Army Futures Command, ARL's mission is to Operationalize Science. A hallmark of ARL's mission is collaborative partnerships to broaden Army access to expert talent and accelerate transitions of science-enabled capabilities. This site operates on a rolling application basis. Due to the high volume of applications, not all candidates may receive an immediate response. However, all applications will remain under consideration for future opportunities as they become available. Applicants must be 16 to apply.

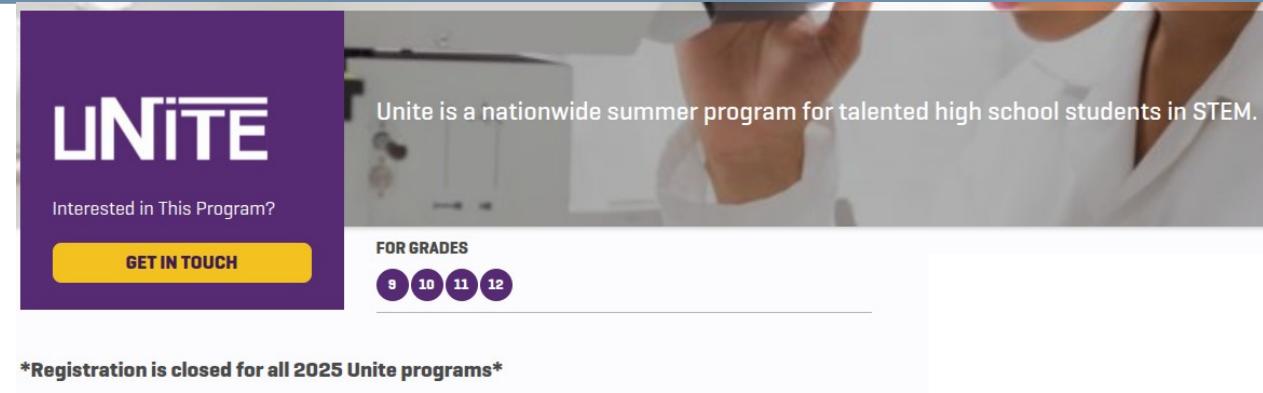
[READ MORE](#) [APPLY NOW](#)



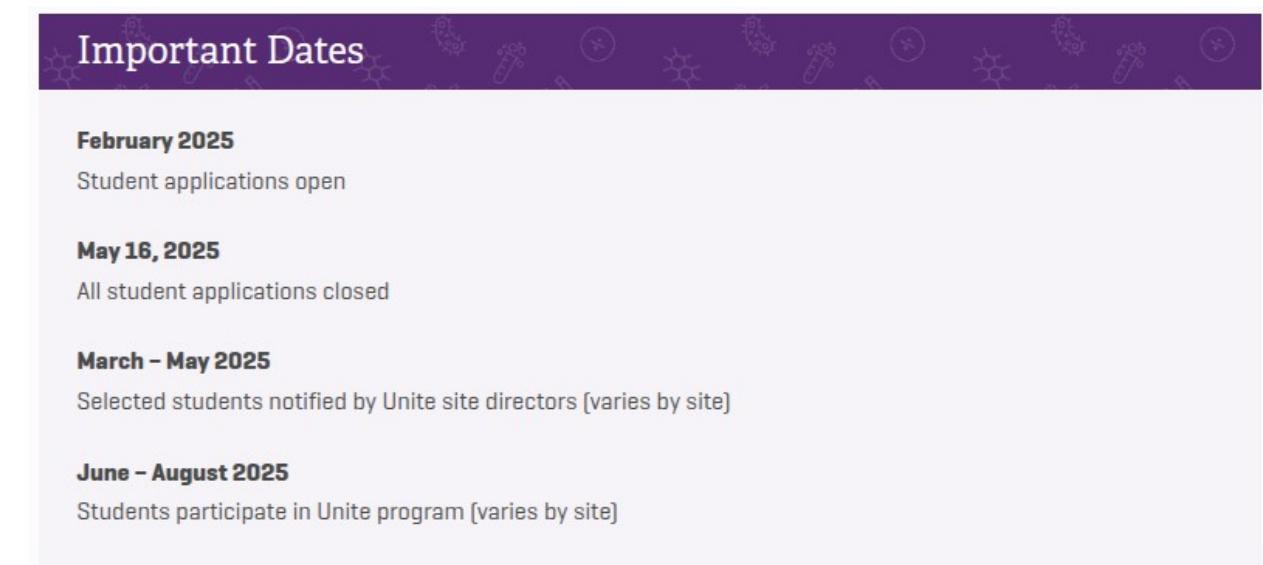
The screenshot shows the homepage of the AEOP Internships & Fellowships website. At the top right, there is a navigation bar with links for "Apply", "About Us", "For Labs", "Learning Hub", and the "usaeop.com" logo. Below the navigation, the AEOP logo is displayed. On the left side, there is a search bar with dropdown menus for "State" and "Type of Opportunity", both currently set to "Internship - High School". Below the search bar are "Clear all" and "Search" buttons. To the right of the search bar is a map of the United States with several red location pins indicating program locations. The map includes state outlines and some chemical element symbols like Cu2O and Al2O3.

US ARMY AEOP - UNITE

- US Army Education Outreach Program (AEOP) - UNITE
- Unite is a four-to-six week, pre-collegiate summer experience for talented high school students in STEM. Held at higher education institutions across the country, Unite encourages students to pursue college majors and careers in engineering and other STEM-related fields through a program of focused hands-on rigorous academics, enrichment and career exploration.



The screenshot shows the homepage of the Unite program. At the top left is the "UNITE" logo in white on a purple background. Below it is a yellow button labeled "GET IN TOUCH". To the right is a photograph of a student in a lab coat working with equipment. Text next to the photo reads: "Unite is a nationwide summer program for talented high school students in STEM." Below the photo is a section titled "FOR GRADES" with buttons for grades 9, 10, 11, and 12. A note at the bottom of this section states: "*Registration is closed for all 2025 Unite programs*".



The screenshot shows the "Important Dates" section of the website. It features a purple header with the title "Important Dates" and a decorative border of small icons. Below the header, there are four entries with dates and descriptions:

- February 2025**
Student applications open
- May 16, 2025**
All student applications closed
- March – May 2025**
Selected students notified by Unite site directors [varies by site]
- June – August 2025**
Students participate in Unite program [varies by site]

US ARMY AEOP - UNITE



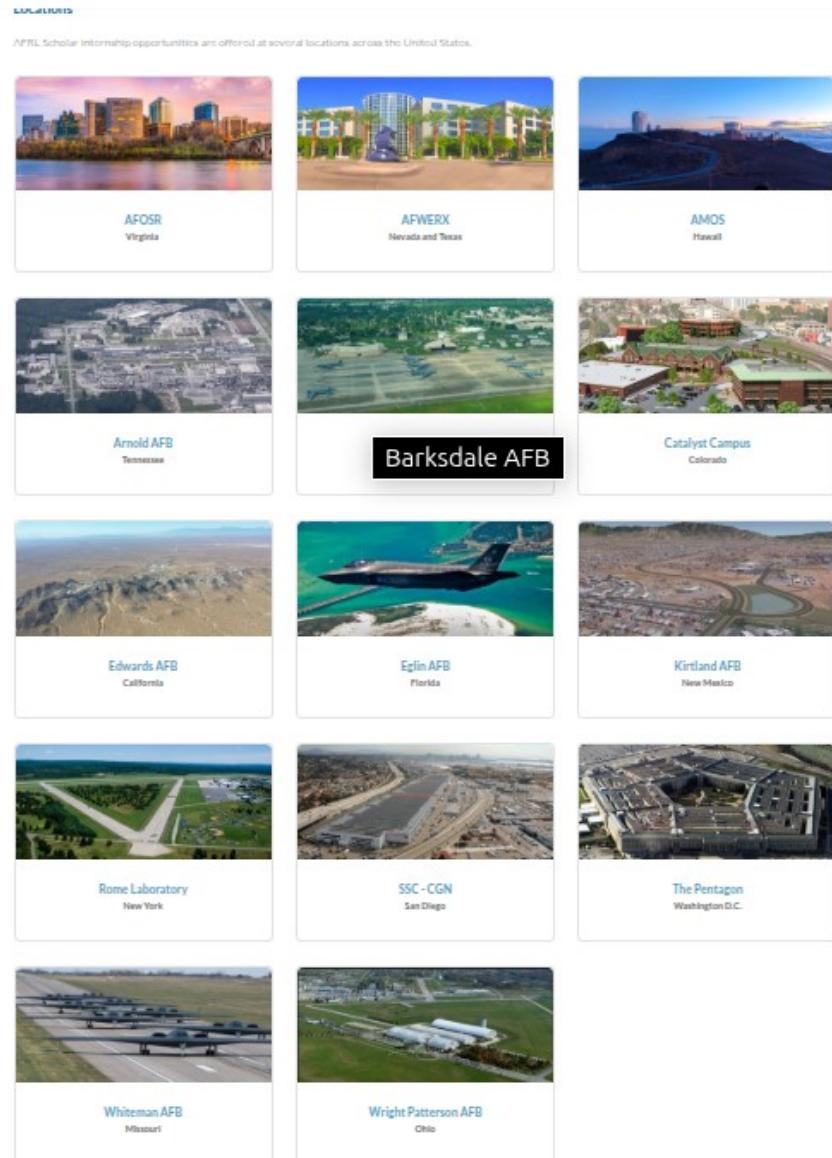
US ARMY AEOP - UNITE



USAF Research Lab Projects

- USAF Research Lab Scholars Program
 - The Air Force Research Laboratory (AFRL) Scholars Program offers stipend-paid internship opportunities for undergraduate and graduate-level university students pursuing STEM degrees, as well as upper-level high school students; select locations also offer internships to university students pursuing education-related degrees and K–12 professional educators. The selected interns gain valuable hands-on experiences working with full-time AFRL scientists and engineers on cutting-edge research and technology and are able to contribute to unique, research-based projects. Graduate interns are able to collaborate with AFRL on current research and incorporate the research into their graduate work.

<https://afrlscholars.usra.edu/scholarsprogram/locations/>



- **National Student Leadership Conference**
- The National Student Leadership Conference provides an immersive **pre-college** experience that prepares students for life beyond middle and high school, allowing them to study in university classrooms, learn to navigate a campus, and experience living with roommates. Students are able to explore a career concentration they are interested in before going to college and declaring a major. Each NSLC program also contains a leadership curriculum designed to teach skills that can apply to all areas of life.
- **Must be nominated to be considered**



Document Repository



https://github.com/Tech-Vet-Warrior/BK_Cyber