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Tab A (Internship Descriptions FY 26) to Appendix 2 (Internship Application Process) to Annex C (Operations) to Cadet Summer Training 2026

Internships – FY26

(1ACSI) First Army Cadet Summer Internship
(AMEDD) Internship Program
(ARCYBER) US Army Cyber Command Cyber Internship
(ARL) DEVCOM ARL Cadet Apprenticeship Program (CAP)
(CHIP) Chaplaincy Internship Program
(EIP) Engineering Internship Program
(JAG) JAG Corps Internship Program
(NGICIP) National Ground Intelligence Center Internship Program
(NSA) National Security Agency Experiential Tour (NET) Program
(NSTP) Nurse Summer Training Program
(SOCOM) Innovation Ignite Internship Program
(SWIP) Space Weather Internship Program

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(1ACSI) First Army Cadet Summer Internship

Program Description:

- First Army is the oldest and longest-established field Army of the United States Army. It served as a theater Army in both World War I and World War II and now serves as a mobilization, readiness, and training command under FORSCOM. First Army partners with the Army National Guard and US Army Reserve, to enhance the training and readiness of Reserve Component formations.
- First Army's Cadet Internship seeks to highlight the Total Force Partnership with Reserve Component units and FORSCOM's training and readiness mission. The program will help develop future leaders in the defense and public sector through senior level mentorship from Officers and Department of the Army Civilians serving in key staff positions and represent various branches of the Army.
- Cadets will be giving the opportunity to learn and develop leadership skills and support the staff operations of a three-star headquarters' by providing them with experience in planning, briefing, coordinating and executing First Army's Command priorities.

First Army Staff Position:

- **G-1:** Directorate of Manpower and Personnel
- **G-2:** Directorate of Intelligence
- **G-37:** Directorate of Training
- **G-4:** Directorate of Logistics
- **G-5:** Directorate of Plans and Policy
- **G-6:** Directorate of Computers, Communications, and Cyber Defense
- **G-8:** Directorate of Budget, Finances, and Accounting
- **Command Surgeon:** Directorate of Health Services and Force Health Protection
- **Public Affairs:** Directorate of Mass Communication and Public Affairs

Target Population:

- Contracted MS II & III Cadets (MS III's have priority)
- Undergraduate degree of study in all disciplines
- All duty status Cadets
- Preference for Cadets with intent for future service in Army Guard / Reserve
- Preference for Cadets with intent to serve in Operational Support and Force Sustainment branches

Number of Cadet Slots Available:

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- First Army has the capacity to support approximately 12-15 Cadets (Cycles 1,4 and 7, 4-5 per)

Locations:

- Headquarters First Army, Rock Island Arsenal, Illinois

Prerequisites:

- Adjudicated SECRET or interim clearance required.
- Have obtained a CAC by the start date of the program.
- Have an active A365 account by the start date of the program

(AMEDD) Internship Program

The Office of the Army Surgeon General sponsors the program. Cadets are assigned to Medical Department Activities (MEDDAC) and Medical Centers (MEDCEN). The purpose of the AMEDD IP is to offer a Cadet insight into the Army Medical Facilities and exposure to leadership in the medical arena. Cadets are assigned to a preceptor and work under their direct supervision and direction of an AMEDD officer.

Target Population:

Cadets pursuing academic majors in: Audiology, Clinical Lab, Dietetics, Environmental Science, Laboratory, Nutrition Care, Occupational Therapy, Optometry, Pathology, Pharmacy, Physical Therapy, Pre-Dental, Pre-Optometry, Preventive Medicine, Psychology, Social Work, Toxicology, Veterinary Medicine may apply for this internship. Other specialty areas may be available.

Locations:

Cadets in the AMEDDIP may serve at locations within the continental United States (CONUS) or outside the continental United States (OCONUS). CONUS locations include, but are not limited to: Ft. Benning, GA; Ft. Stewart, GA; Ft. Bliss, TX; Ft. Eustis, VA; Ft. Leavenworth; Ft. Lewis, WA; Ft. Sam Houston, TX; Ft. Rucker, AL and Walter Reed Army Medical Center, MD. OCONUS Locations include, but are not limited to: Landstuhl Medical Center, Germany, Tripler Army Medical Center, HI, and Camp Humphreys, Korea. Locations and positions available change annually.

Prerequisites:

1. Cadets with a Nursing Academic Major are not authorized to apply for this internship.
2. Enrolled in an academic major that matches the specific type of internship.
3. Have a desire to be commissioned to the Army Medical Department (AMEDD).
4. GPA of 2.5 or better in academic major.

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5. MS III Cadets have priority. However, MS IV Cadets graduating December or later may apply as an exception to policy.

(ARCYBER) US Army Cyber Command Cyber Internship

Description:

The cyber internship with U.S. Army Cyber Command (ARCYBER) is an opportunity for Cadets who have a strong interest in branch selection to cyber related career fields:

- 17A: Cyber Warfare Officer
- 17B Cyber Electromagnetic Warfare Officer
- 17D Cyber Capabilities Development Officer
- 25A: Signal Officer
- 35A: Military Intelligence Officer

The Cadet will be integrated among the US Army's premier data-centric force informing and enabling the Army and Joint Force to achieve objectives. The Cadet will gain valuable insight, knowledge, and skills into ARCYBER enterprise mission capabilities (Operate, Defend, Attack, Influence, Inform) to gain Information Advantage, enable decision dominance to achieve freedom of action for friendly forces in and through the cyberspace domain and the information dimension, while denying the same to threats.

This internship complements the existing Cyber Leadership Development Program (CLDP) managed by the Army Cyber Institute (ACI) at West Point Military Academy. Completion of the four-week cyber internship with ARCYBER allows for the opportunity to achieve three of the six requirements to be eligible for the C1 (CLDP) Additional Skill Identifier (ASI). Further into this document outlines the baseline requirements under the CLDP for C1 ASI eligibility. This internship is part of a framework for cyber enrichment and extracurricular opportunities to holistically develop, grow capacity, and inspire emerging Army leaders in cyber related career fields.

Highlights:

- Engage with US Army Cyber Senior Leaders
- Engagements with Cyber Center of Excellence (CCoE) and US Army Intelligence Center of Excellence (USAICoE) where Cadets will gain insight on:
 - a) Cyber branch overview, marketplace, and Basic Officer Leader Course
 - b) Signal branch overview, marketplace, and Basic Officer Leader Course
 - c) Military Intelligence branch overview, marketplace, and Basic Officer Leader Course.

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- Direct mentorship from a company grade officer (with the following MOS's: 17A, 17B, 17D, 25A, 35A)
- Expand networking with various Cadets from other programs, emerging Army leaders, and current Senior Leaders
- Conference attendance: TechNet in Augusta, GA, August TBD
- Required to complete a project or paper on a cyber related topic.
- Pathway for C1 ASI eligibility.

Duration: 4 weeks

Location:

Fort Gordon, Georgia 30905

Prerequisites:

1. Cadets with a non-STEM degree of study are eligible. Degree of study in Science, Technology, Engineering, and Math (STEM) is preferred.
2. Minimum GPA 2.7.
3. MS III Cadets have priority. Contracted MS II Cadets are also eligible.
4. Closed investigation DoD TOP SECRET clearance with eligibility for access to SCI. If TS/SCI clearance is not CLOSED by June 1, 2026, it will not be eligible to attend internship.
5. Possess valid and current Department of Defense Common Access Card that will not expire before or during the internship.
6. Valid mil@army.mil email account.
7. In compliance with ACFT and height/weight standards.
8. Strong interest in branch selection to Cyber (17A, 17B, 17D) or related career fields Signal (25A) or Military Intelligence (35A).
9. Be willing to bring personal portable computing device to work on projects, paper, or presentation.

(ARL) DEVCOM ARL Cadet Apprenticeship Program (CAP)

The U.S. Army Combat Capabilities Development Command Army Research Laboratory (DEVCOM ARL), as an integral part of the Army Futures Command, is the U.S Army's foundational research laboratory that has the mission of operationalizing science. The DEVCOM ARL mission essential task of foundational research has the objective to conduct research to inform future Army science, technology, and engineering and invest in areas that ensure overmatch. Why should you participate in ROTC CAP? You will learn about DEVCOM ARL and contribute to

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discoveries that will fundamentally alter how the U.S. Army of the future fights and wins. Cadets who participate in CAP at DEVCOM ARL will work shoulder-to-shoulder with U.S. Army world-leading researchers who are experts in their respective fields, and those critical business professionals who enable the effective execution of Army research. There are two paths for this program:

Research Path: Cadets who participate in a research apprenticeship will conduct foundational research that pushes the boundaries of science to shape how the army fights in the future. **Business Path:** Cadets who participate in a business apprenticeship will be immersed in a role that is critical to the operationalization of science. From law to logistics, communications to counterintelligence, business professionals directly impact scientific discovery.

CAP Pathways:

- Research Path: DEVCOM ARL has CAP opportunities in eleven Foundational Research Competencies:
 - Biological and Biotechnology Sciences
 - Electromagnetic Spectrum Sciences
 - Energy Sciences
 - Humans in Complex Systems
 - Mechanical Sciences
 - Military Information Sciences
 - Network, Cyber, and Computational Sciences
 - Photonics, Electronics, and Quantum Sciences
 - Science of Extreme Materials
 - Terminal Effects
 - Weapons Sciences

Business Path: DEVCOM ARL also has CAP opportunities in a variety of business domains, including but not limited to:

- Accounting / Budget
- Counterintelligence
- Human Resources
- Law
- Logistics
- Strategic Communications
- Strategic Planning

Program Locations:

DEVCOM ARL Primary Sites

- Adelphi Laboratory Center, Adelphi, MD

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- Aberdeen Proving Ground, MD
- Research Triangle Park, Raleigh/Durham, NC
- White Sands Missile Range, White Sands, NM

- DEVCOM ARL Regional Sites
- ARL – Northeast, Boston, MA
- ARL – Central, Chicago, Illinois
- ARL – South, Austin/San Antonio/College Station, Texas
- ARL – West, Los Angeles, CA

Prerequisites:

- GPA 2.5 or higher
- Secret Clearance may be required for specific projects
- Enrolled full-time in a four-year program: Applicants to the Research Path should be enrolled in a Science, Technology, Engineering or Math (STEM) program
- Applicants to the Business Path should be enrolled in a program that could be applied to their apprenticeship.

POC: Patrice D. Collins Ph.D.
Branch Chief, DEVCOM ARL Educational Outreach Office
DEVCOM Army Research Laboratory
Email: patrice.d.collins.civ@army.mil
Mobile: (240) 429-9430

(CHIP) Chaplaincy Internship Program

The Chaplaincy Internship Program (CHIP) is for MSL IIIs interested in pursuing an academic delay to become an Army Chaplain.

Locations:

Cadets in CHIP may serve at locations within the continental United States (CONUS) or outside the continental United States (OCONUS). The Cadets will have the opportunity to observe as chaplains model Nurturing the Living, Caring for the Wounded, Honoring the Fallen, and advising the Commander.

Prerequisites:

- GPA 3.0 or better in academic major consistent with entry into the academic delay program.
- Meet current AFT and height/weight standards at the time of application and during attendance.

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- MS III Cadets have priority. However, MS II and MS IV Cadets graduating December or later may apply as an exception to policy.

(EIP) Engineering Internship Program

This internship is sponsored by the US Army Corp of Engineers (USACE). Cadet will typically work in USACE District (Battalion or Brigade Command equivalent, usually in a resident office (construction office) working on civil, mechanical, electrical, or environmental engineering projects. Districts are located all across the US (36 Districts), and OCONUS (5 Districts). Projects support US Army or Air Force installations (military construction) or state and local communities (civil works-dams, levees, navigation, etc.). Cadets may perform engineering functions such as design, project management, project engineer, construction representative (Quality Assurance), GIS, and more. Program focus is engineering majors. Majority of slots focus on civil, mechanical and environmental engineering; however, all engineers should apply. Applicants are slotted based on host requirements. Slots are requested based on the applicant's majors. Usually there are many more available slots than Cadets; so many possibilities are available to choose from.

Locations:

Cadets in the EIP may serve at locations within the continental United States (CONUS). Or outside the United States (OCONUS).

Prerequisites:

- Enrollment in an engineering program.
- Maintain Grade Point Average (GPA) 3.0.
- Meet current ACFT and height/weight standards at the time of application and during attendance.
- Routinely Operate Microsoft Office and the Internet.
- Some positions may require an approved security clearance in the level of secret or higher or interim secret clearance at the time of application submission.
- Submit verification of clearance to the USACC Program Manager

(JAG) JAG Corps Internship Program

The U.S. Army Judge Advocate General's Corps (JAG Corps) offers an immersive internship that puts you at the heart of military legal practice—where law meets leadership, service, and real-world impact.

As a JAG Corps intern, you'll step into an Army legal office and work alongside Judge Advocates—highly trained attorneys who serve as legal advisors, trial

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lawyers, and leaders in both the legal and military professions. You won't just observe—you'll contribute.

- Shadow Judge Advocates in real-world legal scenarios
- Observe courts-martial, administrative boards, and client meetings
- Assist with legal research and drafting documents
- Learn how legal advice supports commanders and mission success

You'll be embedded with an Army legal office and exposed to a wide range of practice areas:

Legal Area	What You'll See
Military Justice	Courts-martial, investigations, and discipline
National Security Law	Legal issues tied to operations and intelligence
Administrative & Civil Law	Command policies, ethics, and regulatory matters
Contract & Fiscal Law	Procurement, budgeting, and compliance
Legal Assistance	Supporting Soldiers and families with personal legal needs
Trial Defense	Defending Soldiers in military justice cases

Location:

- Worldwide

Prerequisites:

- An interest in pursuing an Educational Delay to attend law school or the Funded Legal Education Program.
- Meet current AFT and height/weight standards.
- GPA of 3.0 or better.
- Is an MSI, MS II, and MS III (MS III have priority).

(NGICIP) National Ground Intelligence Center Internship Program

Cadets are exposed to real-time intelligence collection efforts as well as deep technical analysis and are mentored to apply tactical relevance. Cadets will interact with leaders, Intelligence Professionals, and Subject Matter Experts (SMEs) aligned with Army, Defense, and national-level Intelligence portfolios. Cadets will gain a greater understanding of the Army's Intelligence and Security Enterprise (AISE) and NGIC's role in the Defense Intelligence Enterprise (DIE)

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and Intelligence Community (IC). The program culminates with briefings to Army officers, intelligence management personnel, and SMEs across the organization.

The National Ground Intelligence Center's (NGIC) mission is to produce and provide intelligence on foreign ground forces to enable decision advantage through competition, crisis and conflict. NGIC is the Department of Defense's primary producer of ground forces intelligence and the primary analysis, collection, and exploitation facility for the Army. NGIC produces scientific and technical intelligence and military capabilities analysis on foreign ground forces required by warfighting commanders, the force modernization and research and development communities, Department of Defense, and national policymakers.

NGIC's maintains detailed knowledge of current foreign ground force capabilities as well as a focus of 5, 10 and 20 years in the future, including irregular and conventional warfare analysis examining foreign ground forces from a perspective that includes battlefield operating systems, doctrine, tactics, techniques and procedures, training, maintenance, and logistics. NGIC has highly skilled specialists such as physicists, chemists, computer scientists, mathematicians, and engineers in diverse fields from aeronautics to robotics - along with modelers, simulation experts, and other technical specialists who evaluate the capabilities and performance data on virtually every weapon system used by a foreign ground force, including chemical and biological weapons and future weapon concepts.

Location:

NGIC Headquarters, Rivanna Station, Charlottesville, VA

Prerequisites:

- At least 20 years old.
- Maintain Grade Point Average (GPA) 3.0.
- Meet ACFT and height/weight standards.
- **Current TS/SCI security clearance.**

(NSA) National Security Agency Experiential Tour (NET) Program – ROTC Cyberspace Component - 6 Weeks

While at NSA and US CYBERCMD, Cadets will be exposed to real world cryptologic challenges of the 21st Century. Such challenges include technical innovation and research, policy and legal frameworks, and operational governance models that support the U.S. Intelligence Community (IC). To provide a richer experience, Cadets are given broad exposure to the NSA Signals Intelligence and Cybersecurity missions, and the CYBERCMD

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mission. Cadets are expected to complete a classified project/paper while at NSA and US CYBERCMD and will have the opportunity to engage with senior leadership and various technical and IC professionals. Cadets pursuing fields of study in Electrical Engineering, Computer Science, Information Technology, Computer Engineering, System Engineering, History, Sociology, Language, Operations Research, Math and Law are strongly encouraged to apply. To ensure Cadets are fully immersed in the environment, Cadets are required to be cleared at the TOP SECRET SCI level. *

Potential Locations:

- Fort Meade, MD
- Fort Gordon, GA
- San Antonio, TX
- Draper, UT
- Others as appropriate

Prerequisites:

- GPA 2.5 or better.
- Meet current ACFT and height/weight standards.
- Enrolled in a CS, IT, Foreign Language, EE, CE, **OR**, Math, Law or related program.
- **GRANTED TS/SCI security clearance, with poly required by the time of arrival. ***

NSA- Secret Clearance Opportunities:

Cadets with pending/interim TS or granted Secret security clearances may apply for NSA. Expect to have a limited number of opportunities for Cadets in this category as well. All other NSA requirements/prerequisites will apply to these positions.

(NSTP) Nurse Summer Training Program

Cadets with an Academic Major of Nursing are the only Cadets eligible to apply for this program. NSTP rotations are 29 days in length and will be located at an Army Medical Facility either in the continental United States (CONUS) or outside the continental United States (OCONUS), including Europe. NSTP provides nursing Cadets with opportunities to develop and practice nursing in a clinical environment. Cadets work side-by-side with an Army Nurse Corps Officer preceptor. **To qualify, Cadets must submit an application packet through their Brigade Nurse Counselor to the Cadet Command Chief Nurse. Do not submit applications to CPDT Internship Program Manager.**

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Location:

- San Antonio Military Medical Center (SAMMC) San Antonio, TX.
- Tripler Army Medical Center (TAMC) Honolulu, HI.
- Carl R. Darnall Army Medical Center (CRDAMC) Ft. Cavazos, TX.
- Walter Reed National Military Medical Center (WRNMMC) Washington, DC.
- Dwight D. Eisenhower Army Medical Center (EAMC) Ft. Gordon, GA.
- William Beaumont Army Medical Center (WBAMC) El Paso, TX.
- Landstuhl Regional Medical Center (LRMC) Landstuhl, Germany.
- Womack Army Medical Center (WAMC) Ft. Liberty, NC.
- Madigan Army Medical Center (MAMC) Ft. Lewis, WA.
- Alander T. Augusta Military Medical Center (ATAMMC) Ft. Belvoir, VA.
- Bassett Army Community Hospital (Basset ACH) Ft. Wainwright, AK.
- Bayne-Jones Army Community Hospital (BJACH), Ft. Johnson, LA.
- Blanchfield Army Community Hospital (Blanchfield ACH), Ft. Campbell, KY.
- Evans Army Community Hospital (EACH), Ft. Carson, CO.
- Irwin Army Community Hospital (IACH), Ft. Riley, KS.
- Martin Army Community Hospital (MACH), Ft. Moore, GA.
- Keller Army Community Hospital (KACH), West Point, NY.
- Winn Army Community Hospital (Winn ACH), Ft. Stewart, GA.
- General Leonard Wood Army Community Hospital (GLWACH), Ft. Leonard Wood, MO.
- Weed Army Community Hospital (Weed ACH), Ft. Irwin, CA.

This list is subject to change depending on the availability of the MTF.

Prerequisites:

- Set by US Army Cadet Command Chief Nurse who is also the waiver authority.
- Must have completed one academic year of general nursing courses with successful completion of at least one semester or two quarters of a Medical/Surgical nursing course that requires a CLINICAL component (excluding Community Health or Psychiatric Nursing.)
- Must be in good academic standing and meet HT/WT and ACFT standards.
- Must be certified in Basic Life Support for Healthcare Providers throughout the duration of each cadet's NSTP training (all NSTP rotations will be completed before August 31, 2026). Military hospitals are in the process of transitioning to the American Red Cross' (ARC) Basic Life Support (BLS) course as the standard for BLS certification. Both ARC BLS and the Basic Life Support for Healthcare Providers certification by the American Heart Association may be used as a

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Cadet. However, the ARC BLS is the recommended certification for all future initial and renewal certification.

- ALL vaccinations (to include PPDs) must be current through 1 September of 2026 or a QuantiFERON gold titre within two months of starting NSTP. NSTP Cadets are required to receive all prescribed immunizations as determined by the NSTP site location to attend.
- MUST have a security clearance initiated and/or must be current.

Miscellaneous:

- NSTP eligibility waiver requests will be submitted through the Cadet's respective Brigade Nurse Counselor (BNC) to the USACC Deputy Chief Nurse for approval.
- Currently licensed LPNs/RNs are exempt from clinical nursing course requirements. However, a copy of current licensure must be included with application.
- Cadets on Leave of Absence are considered on a case-by-case basis.
- SMP Cadets may need to coordinate with their reserve unit regarding annual training requirements.

POC is USACC Command Nurse
LaKisha Wright
COL, AN
Command Nurse
U.S. Army Cadet Command

ATTN: Command Nurse
RM 113: Building 6588 N. Delaware Street
Fort Knox, KY 40121
DSN: 626-2009
BB: 502-500-6465
lakisha.a.wright2.mil@army.mil
Fax: 502-624-5912

SOCOM / Innovation Ignite Internship Program

NOTICE: DO NOT apply to / rank this internship unless you are already participating in a SOCOM Ignite workgroup during the '25'-26 Academic Year (AY).

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If you are an Army ROTC cadet participating in a SOCOM Ignite workgroup, you MUST apply for this internship via Cadet Command channels / your ROTC Brigade to be considered.

The objective of the SOCOM / Innovation Ignite Internship Program is to broaden Cadets' experiences for creative problem-solving and organizational transformation using warfighter-supplied innovation problem sets from across SOCOM via the SOCOM Ignite program (<https://ignite.ll.mit.edu/ignite/>), with a focus on U.S. Army Special Operations Command (USASOC) units. As part of the internship, you will have the opportunity to work alongside USASOC and other special mission units, providing your technical expertise to solve the most cutting-edge problems for America's highest-impact teams. The program will be four weeks in duration (06JUL-03AUG). Cadets must apply and conduct a unit-facilitated interview for the Internship prior to being approved, as well as participate in an Academic Year (AY)-long R&D process with a SOCOM Ignite Cadet-led working group. The program encompasses a range of disciplines, to include the following:

- UAS / UMS Improvement and Development
- Advanced Robotics
- AI / ML dataset analysis and integration
- Biotechnology and Human Interface (BTHI) projects
- Numerous other warfighter-supplied technological challenges

NOTE: Do not rank the SOCOM Ignite program under your Cadet Command internship selection choices if you are not participating in an AY-long SOCOM Ignite workgroup. You will not be eligible for this internship if you have not already enrolled at <https://ignite.ll.mit.edu/ignite/> and are working on a SOCOM-supplied problem set throughout the '25-'26 AY.

Location:

Fort Bragg, North Carolina

Prerequisites:

1. Undergraduate degree of study in a STEM field. Students with a major in a different discipline who have a strong technical background are also eligible.
2. GPA 3.0 or better in academic major.
3. Granted SECRET clearance.
4. Enrollment in the SOCOM Ignite program via <https://ignite.ll.mit.edu/ignite/>
5. Participation in a SOCOM Ignite workgroup ICW MIT Lincoln Labs throughout the '24-'25 Academic Year (AY).

Provisional SOCOM Ignite Timeline:

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- 18-21 SEP 2025: SOCOM Ignite Kickoff Event (MIT Lincoln Labs, Lexington, MA)
- 22 SEP 2025 – 15 APR 2026: Work on your selected SOCOM Ignite problem set with a Cadet-led workgroup (1 – 3 hours / month)
- 01 OCT – 01 DEC 2025: Apply for this internship via Cadet Command channels / your ROTC Brigade
- JAN 2026: Select workgroups travel to Ft. Bragg, NC for progress updates
- JAN-FEB 2026: Unit-led internship interviews
- FEB-MAR 2026: Selected cadets notified of their selection for SOCOM Ignite summer internships at Ft. Bragg, NC
- 16-18 APR 2026: SOCOM Ignite Closeout Presentations (MIT Lincoln Labs, Lexington, MA)
- 06JUL – 03AUG 2026: Selected cadets execute internship with supported unit(s) at Ft. Bragg, NC

(SWIP) West Point Department of Physics & Nuclear Engineering (PaNE) Space Weather Internship Program)

About the Department of Physics and Nuclear Engineering:

The Department of Physics and Nuclear Engineering (D/PaNE) is one of thirteen academic departments at West Point. The mission of the D/PaNE is to educate and inspire cadets through physics, nuclear engineering, and space science course work, research, and support to the West Point Leader Development System so that each graduate is a commissioned leader of character committed to the values of Duty, Honor, Country; and prepared for a career of professional excellence and service to the Nation as an officer in the United States Army. D/PaNE sponsors three majors (Physics, Nuclear Engineering, and Space Science), and associated minors, and is host to two partnered research centers from DoD and the Army, and parent to one [West Point research center](#). More information regarding D/PaNE can be found at: [Physics and Nuclear Engineering | United States Military Academy West Point](#).

About the Space Weather Research Internship:

This project seeks to answer two science questions-

1. What are the underlying physical mechanisms causing observed unencrypted navigation signal scintillations in the auroral oval?
2. Can a globally accepted metric be devised to represent the operational impact of observed unencrypted navigation signal scintillations in the auroral oval?

The results of this work will advance knowledge in the fields of polar aeronomy (space weather and ionospheric physics), signals analysis (GPS phase scintillation studies), auroral spectroscopy (all sky imagery analysis), and applied

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statistics and data sciences (correlation studies). Undergraduates participating in the Space Weather Research Internship will participate in associated research activities within their skillsets to broaden their understanding of associated academic fields and the meaning of this work to the Army and the Nation. Although the majority of cadets selected for this internship will spend their time at West Point, some may be selected to imbed with academia or industry collaborators at alternate locations.

Intern project examples (list not all inclusive):

- Characterizing and populating a software defined receiver and GPS simulation suite; post-processing high resolution GPS receiver data and conditioning it for input into the simulator
- Expanding coverage of an STK model for predicting radar experiments associated with this work
- Correlative analyses across multiple data sets to determine causal relationships
- Installation and operation of high-resolution GPS receiver sets
- Characterization and operation of a software defined receiver to evaluate associated GPS M-code, advanced jamming, and spoofing effects.
- Other department related research opportunities as faculty are available including but not limited to directed energy, quantum information science, nuclear engineering topics.

Point of contact for the internship is:

COL Diana Loucks

PhD, Academy Professor and Director of Advanced Physics

Office: 845-938-7915,

Cell: 720-878-2664

Email: diana.loucks@westpoint.edu