

Air Defense Artillery Branch Brief



**United States Army Air Defense Artillery School
Fort Sill, Oklahoma**

What is ADA?



Air Defense Artillery is a combat arms branch that defends geopolitical assets and provides maneuver forces with the freedom to move on the battlefield by deterring the enemy and destroying aerial threats, missile attacks, and surveillance platforms.



ADA officers thrive in situations of ambiguity, uncertainty, and complexity!



Strategic Impact



Strategic Impact

--Theater Commanders start their day with briefings on the operational status of their air defense systems. They know Air Defense is critical for success in battle.

-- As a Platoon Leader you will be responsible for protecting theater level assets.

--Air Defense plays a key role in U.S. national security, 24/7, 365 days a year.

--ADA is one of the Pentagon's top priorities with some of the country's most sought after weapon systems.

JIIM: ADA officers routinely operate with **J**oint, **I**nteragency, **I**ntergovernmental, and **M**ultinational partners (**JIIM**). You will represent not only your branch, but also the United States of America with international allies and partners.

South Korea, U.S. to deploy THAAD missile defense, drawing China rebuke



Dynamic Force Employment: A Vital Tool in Winning Strategic Global Competitions

Patriot missiles a warning to Syria's al-Assad

U.S. launches long-awaited European missile defense shield

Army revives short-range air defense to address small-drone threat

Poland requests multi-billion-euro Patriot missile system

AFP • September 8, 2016

Iran tests another mid-range ballistic missile in breach of UN resolutions



Iran test-fires new generation long-range ballistic missiles, state media report

ISRAEL FIRES PATRIOT MISSILES AT DRONE FROM SYRIA OVER GOLAN HEIGHTS

Thousands of US troops deploying to Saudi Arabia: Pentagon

The announcement comes after the US recently send one Patriot missile battery.
By Luis Martinez and Elizabeth McLaughlin
October 11, 2016, 1:04 PM • 4 min read



ISIS attack targets US troops at Bagram Airfield in third such incident since Taliban peace deal



Japan Deploys Patriot Missiles in Downtown Tokyo

Russia's Got a New B-2 Bomber-Shaped Stealth Drone

Worldwide Stationing



59% of the ADA force is overseas, making it one of the most deployed and forward operating branches in the Army.

Strategic Impact



Worldwide Stationing

--Air Defense units operate in the Active Component and the Army National Guard.

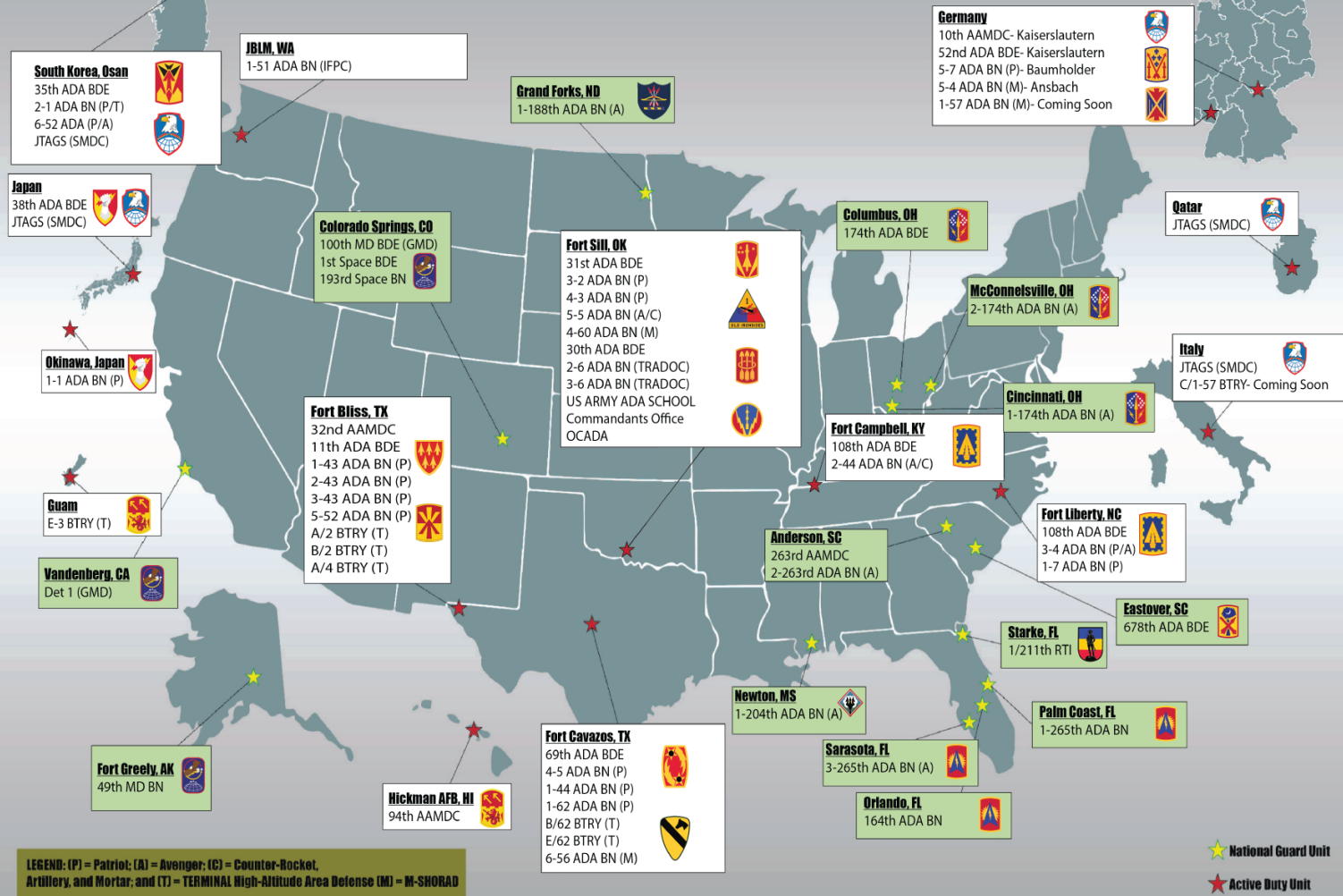
--Air Defense is critical in deterring our adversaries and assuring allies of U.S. commitment.

--Air Defense units are forward stationed in Europe and the Pacific.

--Air Defense units in the U.S. routinely deploy to the Middle East, Europe, and other locations as directed.

--Extensive opportunities to travel and see the world.

ADA UNITS BY LOCATION AND SYSTEM AC/NG



Career Variety & Diversity



Strategic Impact



**Worldwide
Stationing**



**Career
Variety**

-- Upon completion of BOLC you will immediately receive a platoon to lead.

--Stryker and Avenger units operate with maneuver forces to protect them from aerial threats.

--Patriot and THAAD protect theater level assets from ballistic missile threats and enemy air threats.

--Air Defense officers lead units across the operational spectrum through their career.

ENEMY THREATS

**Piloted-Aircraft
Fixed-Wing &
Rotary-Wing**



**Unmanned-Aerial
Systems**



**Rockets,
Artillery
& Mortars**



M-SHORAD STRYKER

AVENGER



**Protects tactical
maneuver forces**

C-RAM



**Protects Forward
Operating Bases**

**Ballistic Missiles
(TBMs & ICBMs)**



**Anti-Radiation &
Cruise Missiles**



PATRIOT



**Protects
Critical assets**

THAAD



**Protects
regional and
strategic
assets**



**Protects
hemispheres**

**SHORT-RANGE
AIR DEFENSE
(SHORAD)**

**High-to-Medium
Altitude Air Defense
(HIMAD)**

**ADA
ARSENAL**

Strategic Impact

Worldwide Stationing

Technology

--Air Defense employs the most advanced technology. This is "rocket science."

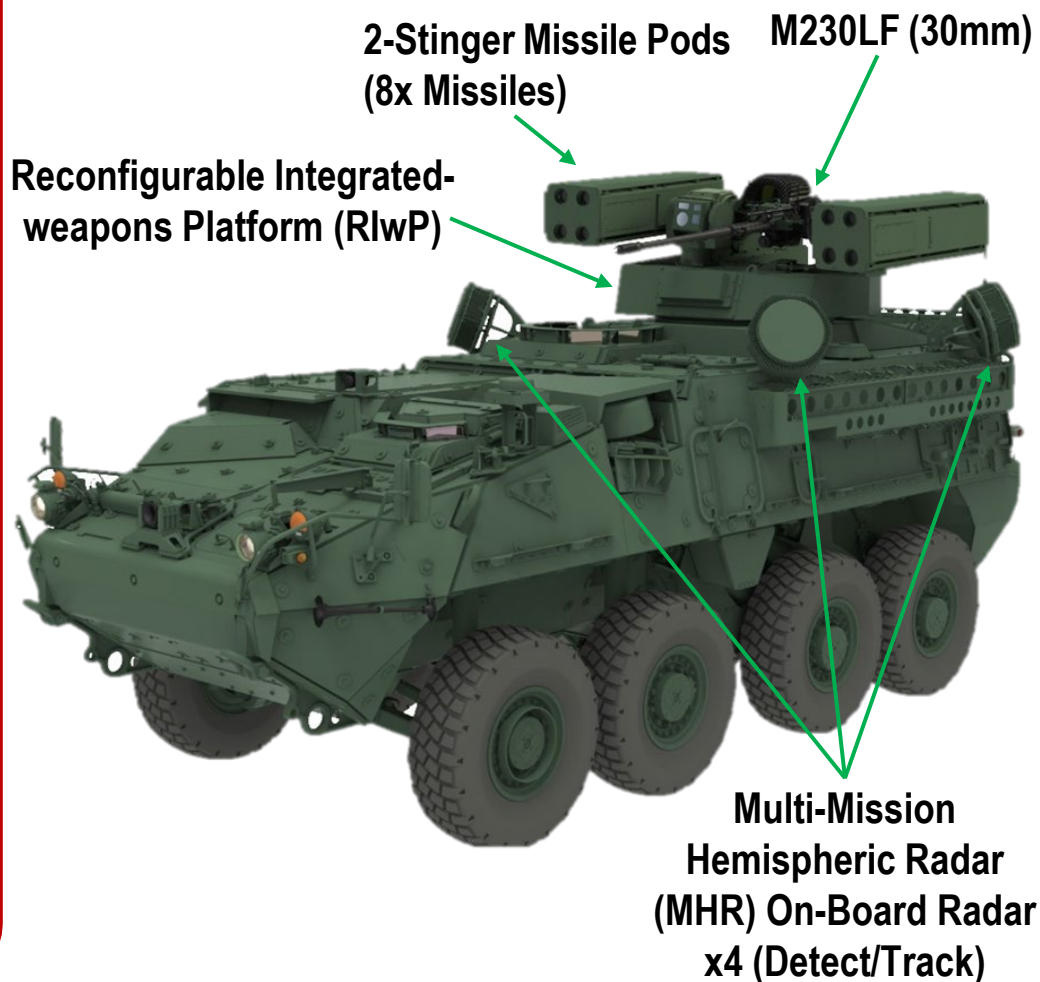
--The M-SHORAD system will soon also mount a laser weapon.

--As a M-SHORAD Platoon leader you will fight alongside infantry and armor platoons, defending an entire maneuver battalion.

--You can attend Ranger School, Airborne, and Air Assault alongside your fellow combat arms officers.

M-SHORAD STRYKER Vehicle

Maneuver Short Range Air Defense



PURPOSE:

M-SHORAD operates as a division's organic air defense capability. It protect assets in the division and brigade areas, as well as defends maneuver formations conducting decisive operations in the close area

FEATURES:

- Stryker A1 platform
- Stinger Missiles
- 30mm cannon
- 7.62 machine gun
- On-Board & linked sensors

EMERGING CAPABILITY:

- Directed Energy Lasers
- High-Power Microwave

Leadership Opportunity

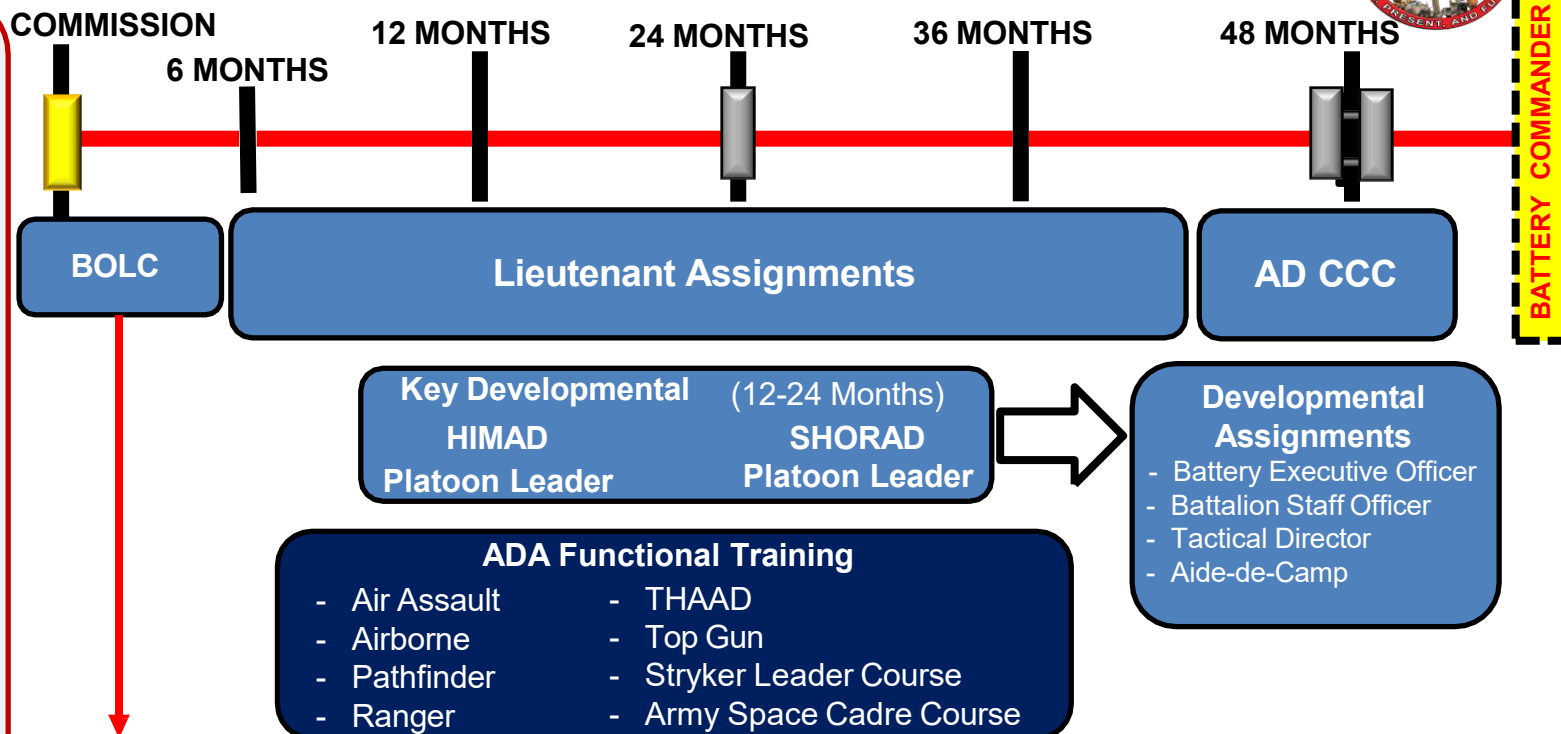


Strategic Impact

Worldwide Stationing

Technology

Leadership Opportunity



--You will have 12-24 months of Platoon Leader time.

--Battery command shortly after the Captain's Career Course (CCC).

--Extensive opportunities for functional training, broadening assignments, and professional development.

RESUME BUILDERS

Being an Air Defense Artillery Officer gives you a resume that you can take with you into the civilian world.

- Valuable Leadership Experiences –
 - Direct Leadership
 - Organizational Management
- Responsibility – Spearhead Corporations
- Accountability for Millions of Dollars of Property/Equipment
- International Relations/Culturally Astute – Demonstrate Adaptability to Build Cohesive Teams
- Highly Technical Background in ADA Systems and Tactics – Attract Nation's Top Defense Contractors, Engineering Firms, etc.

Raytheon

LOCKHEED MARTIN

NORTHROP GRUMMAN
BOEING
amazon
BAE SYSTEMS
GENERAL DYNAMICS

Platoon Leader Paths



Tactical

SHORAD Platoon Leader

- C-RAM Platoon Leader
- Avenger Platoon Leader
- Stryker Platoon Leader



Operational

HIMAD Platoon Leader (Patriot)

- Fire Control Platoon Leader*
- Launcher Platoon Leader*
- Headquarters Platoon Leader*



Strategic

HIMAD Platoon Leader (THAAD)

- Fire Control Platoon Leader*
- Launcher Platoon Leader*
- Sensor Platoon Leader*

***All HIMAD PLs are ALSO Tactical Control Officers who employ their weapon systems as part of a crew**

Monday	Tuesday	Wednesday	Thursday	Friday
<u>Motorpool Monday</u> Preventative Maintenance Checks and Services	<u>Tactical Tuesday</u> Air Defense Related Training (Platoon or Battery Level)	<u>Battalion Training</u> Air Defense Related Training (Battalion Level)	<u>Leader Development</u> Warrior Tasks and Battle Drills, Officer Professional Development	<u>Closeout</u> Vehicle Dispatching, Maintenance, Administrative Work, Safety Briefs
Monthly				
<u>Air Defense Tasks</u> <ul style="list-style-type: none"> • Certifications (Standalone or Battery Training Evaluations) • Operational Readiness Exercises (Equipment Manning) • Support Adjacent Unit Certifications 		<u>Army Tasks</u> <ul style="list-style-type: none"> • Weapons Qualifications • Drivers Training • Army Programs Training • Soldier Readiness Reqs • Medical Requirements • Counseling 		
Quarterly		Yearly		
<ul style="list-style-type: none"> • Training Briefs • Air Defense Competitions • Collective Air Defense Exercises • Field Exercises 		<ul style="list-style-type: none"> • Large scale Army Exercises • Rotational Deployments* • Live Fire Events* • No Notice Deployments* • NATO exercises* • New Equipment Fielding • Soldier Movements 		



Diversity, Equity, and Inclusion



**General
James Dickinson**
SPACECOM Commander



**Major General
Clement S. Coward**
Director of DoD SAPRO Office



**Major General
Sean A. Gainey**
Director of Joint C-UAS Office,
and Fires HQDA



**Brigadier General
Richard Harrison**
TRADOC G-3



**Brigadier General
Maurice O. Barnett**
10TH AAMDC Commander



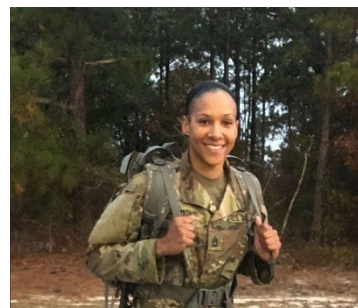
**Lieutenant Colonel
Catalina Rosales**
1-1 ADA BN Commander



**Lieutenant Colonel
Elise Ffitch-Freeburg**
5-5 ADA BN Commander



**Command Sergeant Major
Melissa Calvo**
30th ADA BDE CSM



**Master Sergeant
Janina Simmons**
First African American Ranger Graduate

INTELLIGENCES: Interpersonal, Linguistic, Logical-Mathematical, Spatial

SKILLS: Air Defense Artillery (ADA) officers are expeditionary-minded combat arms leaders who work both independently and as valuable team members within complex Joint, Interagency, Intergovernmental, and Multinational (JIIM) environments. Masters of their technologically-advanced weapon systems, they instinctively employ ADA principles to deter and defeat aerial threats and defend critical assets. ADA officers understand multi-domain operations. They are culturally astute, able to use their understanding to innovatively conduct operations across the globe. Physically fit, mentally tough and inspirational, ADA leaders generate confidence in their Soldiers and supported units. They are problem solvers in complex tactical, operational, and strategic environments who can make sound decisions, simultaneously accomplish multiple tasks, and achieve results. Leveraging their interpersonal skills, ADA officers must effectively communicate requirements and advise supported units accordingly. Given the dispersed nature of Army ADA units, officers must be self-starters who can ethically operate based on intent.

KNOWLEDGE: The Air Defense Artillery branch values officers with academic backgrounds from a wide variety of disciplines and majors. Domain-specific disciplines listed below may provide expertise helpful for managing complex Air Defense systems in any environment.

- **RELEVANT EDUCATION:** Bachelors Degree in any discipline; Science, Technology, Engineering, and Mathematics (STEM); Machine Learning; Robotics; Game Design; Economics; History; Education; Sociology; International Relations; Literature; Foreign Languages; Political Science; Broadcasting (not all inclusive)
- **RELEVANT TRAINING / EXPERIENCE:** Cadet Troop Leader Time / Leader Development Time (CTLT / CLDT) with ADA or maneuver units; Proven leadership experiences (e.g., Team Captain, Club President, Boy and Girl Scouts, Student Government); Intercollegiate Athletics (i.e., team and individual sports); Community service; Studying abroad; Prior enlisted time in other combat arms branches (not all inclusive)
- **RELEVANT CERTIFICATIONS / ACCREDITATIONS:** Mastery of tactical fundamentals as demonstrated in military art and science classroom instruction and training evaluations; Master Fitness Trainer; Airborne; Air Assault; Pathfinder; Ranger; Stryker Leader Course; Joint Firepower Course; Cross Fit Instructor; Lean Six Sigma (not all inclusive)

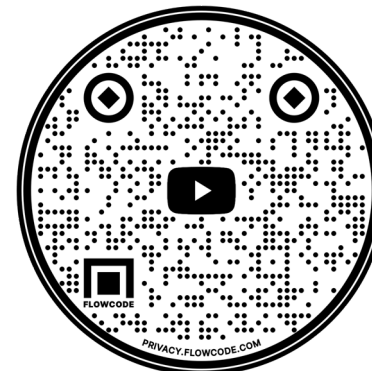
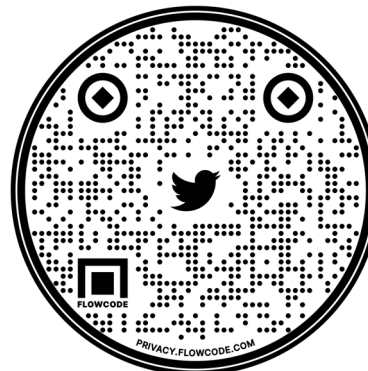
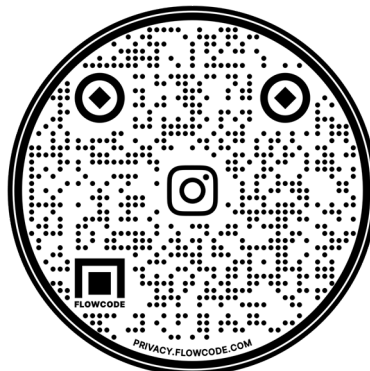
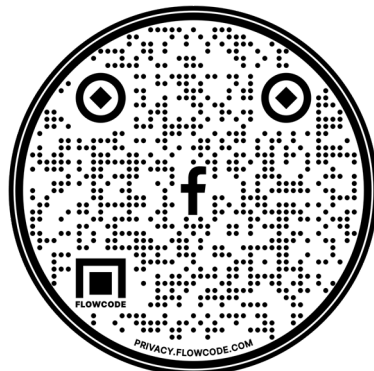
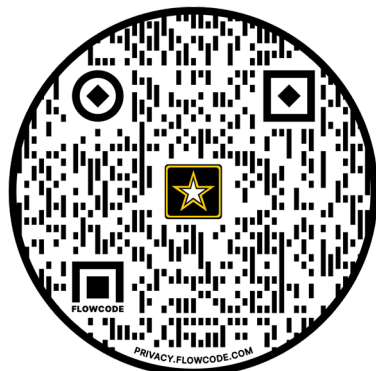
BEHAVIORS: (In addition to foundational)

- | | | | |
|-----------------|-------------------------|---------------------|---------------------|
| ➤ ADAPTABLE | ➤ FIT (MENTAL/PHYSICAL) | ➤ PROBLEM SOLVING | ➤ OPTIMISTIC |
| ➤ ASSERTIVE | ➤ DETERMINED/GRITTY | ➤ CRITICAL THINKING | ➤ VISIONARY |
| ➤ ETHICAL/MORAL | ➤ RESILIENT | ➤ MOTIVATING | ➤ REFLECTIVE |
| ➤ EMPATHETIC | ➤ STRESS TOLERANT | ➤ PRECISE | ➤ TEAM ORIENTED |
| | | ➤ PROACTIVE | ➤ COLLABORATIVE |
| | | ➤ INITIATIVE | ➤ CONSCIENTIOUSNESS |
| | | | ➤ IMPULSIVE CONTROL |
| | | | ➤ RATIONAL |
| | | | ➤ SELF-AWARE |
| | | | ➤ CALM |
| | | | ➤ RESPONSIBLE |
| | | | ➤ COMMITTED |

TALENT PRIORITIES (=100):

1. (20) **MENTALLY TOUGH:** Stress tolerant and emotionally mature. Performs well even under extreme psychological duress
2. (20) **COMMUNICATOR:** Precise, efficient, and compelling in both written and spoken word.
3. (20) **PHYSICALLY FIT:** Physically tough, gritty and tenacious. Performs well even under extreme physiological duress. Committed to a lifestyle of fitness
4. (15) **DETAIL-FOCUSED:** Thorough, perceptive, and precise in all matters. Possesses a keen eye – notices insignificant and significant information
5. (15) **LOGICAL / ANALYTICAL:** Uses reason and thinks in terms of cause and effect. Able to deconstruct and solve complex problems
6. (10) **CROSS-CULTURALLY FLUENT:** Aware of and able to operate across different cultural settings (e.g., geographic, demographic, ethnographic, generational, and technological).

Air Defense Artillery Social Media Sites



U.S. Army 14A Information Page -----	https://www.goarmy.com/careers-and-jobs/
Air Defense Artillery Home -----	https://sill-www.army.mil/ocada/cadets/
ADA Virtual Branch Information (VBI) -----	https://spark.adobe.com/page/WeSwuEdku6wrU/
OCADA Facebook -----	https://www.facebook.com/ADApronentOCADA/
OCADA Instagram -----	https://www.instagram.com/us.army.ada.proponent.ocada/?hl=en
OCADA Twitter -----	https://twitter.com/u_ocada
U.S. Air Defense Artillery YouTube -----	https://www.youtube.com/channel/UCe1pRX6-kxQyy6uURg4VQYQ

Air Defense Artillery



Questions?

Email:

Air Defense Artillery Proponent Office

usarmy.sill.tradoc.mbx.ada-proponent@army.mil

-What is ADA?

Air Defense Artillery is a combat arms branch that protects military forces, international allies and geopolitical assets from aerial attack, missile attack, and surveillance. It is one of the fastest growing branches in the Army and provides variety, flexibility, leadership opportunity and worldwide relevance.

-Where can I be stationed as an active-duty ADA Officer?

Active duty units are located in Germany, Japan, South Korea, Guam, Hawaii, Texas, Oklahoma, North Carolina, Kentucky, New Mexico, and Washington. ADA officers are also stationed at the Pentagon and with other units in Italy, Spain, Belgium, Turkey, Qatar, Saudi Arabia, Kuwait, United Arab Emirates, Taiwan, Alabama, Indiana, Louisiana, Georgia, Virginia, Maryland, New York, Florida, California, Colorado, North Carolina, South Carolina, Kansas, Missouri, North Dakota, and Kentucky.

-Are there ADA units in the US Army Reserve or National Guard?

There are National Guard ADA units in Florida, Colorado, Ohio, California, South Carolina, Alaska, Alabama, and North Dakota. All units, except those in Alaska and Colorado (which operate GMD) will deploy overseas in support of the worldwide ADA mission or protect the homeland from incoming aerial and missile attacks. The Army Reserve currently does not feature any combat arms branches.

-Will I deploy as an ADA officer?

Currently, 59% of Air Defenders are overseas, making the branch one of the Army's best opportunities to operate throughout the world. In the past several years, ADA officers have deployed to Afghanistan, Iraq, Turkey, and Saudi Arabia. ADA units provide regular defense of U.S. forces and allies in Kuwait, Qatar, Bahrain, and United Arab Emirates. ADA officers are also stationed in Germany, Japan, Hawaii, South Korea, Guam, Italy, Spain, Belgium, and Taiwan.

-Why is 59% of the ADA Branch foreword stationed or deployed?

Air Defense is one of the most sought after branches by the Department of Defense and international allies. With worldwide relevance, ADA Officers work with different Army branches, Air Force, Navy, Marines, and international partners. ADA operates on the front lines to engage aerial targets; with senior Pentagon officials to plan the nation's military strategy; and at every level in between. Foreign allies request ADA protection in their countries, making ADA officers among the most demanded Soldiers in the world. The global importance of ADA has made the branch one of the Department of Defense's top priorities and one of the fastest growing branches in the Army.

-Why is ADA one of the fastest growing Army branches?

The global importance of ADA has made the branch one of the Department of Defense's top priorities and one of the fastest growing branches in the Army. While ADA has been a combat arms branch for more than 50 years, the branch is currently experiencing unprecedented growth. As adversaries increase the size and lethality of their aerial arsenal (piloted vehicles, unmanned aerial systems ballistic missiles, rockets, artillery, and mortars), the Pentagon has increased ADA formations and capabilities to employ a large variety of state-of-the-art weapon systems that are needed across the battlefield. The growth is creating new stationing locations and career progression and promotion opportunities.

-What are the duties of an ADA Lieutenant?

First and foremost, an ADA lieutenant will lead Soldiers as a platoon leader. After Basic Officers Leader Course (BOLC), most lieutenants are immediately put in charge of a platoon. Platoon leaders oversee planning, training, and accountability of 20-30 ADA Soldiers and millions of dollars of high-tech weaponry. ADA lieutenants are also warfighters. They plan, direct, lead missions, and manage air battle crews as part of a tactical team.

-What weapons would an ADA officer use?

ADA has a robust arsenal giving officers the opportunity to lead different types of units each with unique and exciting weapon systems. ADA careers can overlap between two tracks: Short-Range Air Defense (SHORAD) and High-to-Medium Altitude Air Defense (HIMAD). Throughout an ADA officer's career, they will have a variety of experiences utilizing different weapon systems and can move between the SHORAD and HIMAD units.

SHORAD officers will lead formations with the new M-SHORAD system. This consists of a Stryker-based platform fitted with the latest Air Defense technology including: Stinger missiles, Hellfire Missiles, a 20mm cannon, and in the near future will have directed energy lasers. It is designed to embed with Brigade Combat Teams and destroy enemy targets on the frontlines. SHORAD forces also feature the highly mobile Avenger weapon system and C-RAM (Counter Rockets, Artillery & Mortars) system, which operates a 30mm Gatling gun that fires 75 rounds per second (4,500 rounds per minute) at aerial targets. New weapon systems engaging indirect fires with directed energy lasers and high-power energy microwaves are currently being developed.

HIMAD officers conduct longer-range engagements. The Patriot weapon system is deployed across the globe to protect strategic assets from piloted planes and helicopters, drones, and ballistic missiles. The largest weapon in ADA's arsenal, THAAD (Terminal High Altitude Aerial Defense) engages enemy missiles traveling the globe inside and outside above the atmosphere. The Ground-based Midcourse Defense (GMD) system features interceptors that destroy inter-continental ballistic missiles.

-What schools and specialty training can ADA officers attend?

ADA officers have the opportunity to train Airborne, Air Assault, Ranger courses, and many other professional military schools. The most tactically-proficient officers will complete the ADA Top Gun course. There is also the opportunity to attain Master's Degrees and fellowships as a mid-career officer.

-Do I require a S.T.E.M. degree or need to be good at math?

No. ADA is a multi-disciplinary branch where leadership is the number one prerequisite. The weapon systems are technical and what we do is literally “rocket science,” but ADA officers, of all academic backgrounds will be trained on how to employ the weapons and destroy targets without needing any advanced understanding of math, science, or engineering.

-How would this branch provide me the skills to succeed after my Army career?

ADA offers experiences that are valuable across many disciplines and can build a professional portfolio that sets ADA officers apart from peers in any field. ADA places officers in leadership positions early in their career and develops the skills to successfully lead large organization. Maintaining accountability for millions of dollars of government property also gives future employers and business leaders a clear understanding that ADA officers have a strong sense of responsibility, organizational and management skills. ADA’s strategic relevance operating across the globe enables officers to show future employers their ability to adapt to any situation and work cohesively with teams with very different backgrounds; whether those are economic or cultural. With a highly-technical background in ADA systems and tactics, officers are also attractive to the nation’s top defense contractors, engineering firms, developers, and industry leaders with lucrative offers because of the technical experiences they gain as an ADA officer.