

TALONS



Air Force ROTC Detachment 157
EMBRY-RIDDLE AERONAUTICAL UNIVERSITY
Fall 2024 GMC Knowledge

“As Airmen, you must think differently about how we fly, fight and win. With accelerate, change, or lose, you need to think about the speed, the agility, the lethality we have that are force multipliers. You must adapt. And we cannot do this by ourselves. In order to be successful, we have to work together”

-General Charles Q. Brown

Fall 2024 GMC Academic Syllabus

Date	Topic
20240916	<ul style="list-style-type: none">- Seven Basic Responses- Cadet Honor Code- Air Force Core Values- Space Force Core Values
20240916	<ul style="list-style-type: none">- Air Force Mission- Air Force Motto- Space Force Mission- Space Force Motto
20240923	<ul style="list-style-type: none">- Detachment 157 Cadre
20240930	<ul style="list-style-type: none">- Customs and Courtesies- Cadet Ranks
20241007	<ul style="list-style-type: none">- Drill Essentials- Airman's Creed
20241014	<ul style="list-style-type: none">- Officer Ranks
20241021	<ul style="list-style-type: none">- Air Force Enlisted Ranks- Space Force Enlisted Ranks
20241028	<ul style="list-style-type: none">- Chain of Command
20241104	<ul style="list-style-type: none">- Air Force Song (1st verse)- Space Force Song
20241118	<ul style="list-style-type: none">- AFSC's
20241125	<ul style="list-style-type: none">- CUMULATIVE TEST ALL KNOWLEDGE

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Seven Basic Responses

1. Yes sir/ma'am
2. No sir/ma'am
3. No excuse, sir/ma'am
4. Sir/ma'am, may I make a statement
5. Sir/ma'am, may I ask a question
6. Sir/ma'am I do not understand
7. Sir/ma'am I do not know

Cadet Honor Code

We will not lie, steal, or cheat, nor tolerate among us anyone who does.

The Purpose of the Honor Code is to foster an environment based upon a personal sense of honesty and integrity. Implementation of the Honor Code means not only can you be trusted but that you also have the moral courage to confront those who violate these standards.

Core Values

Air Force Core Values

Integrity First
Service Before Self
Excellence in All We Do

“There is no limit to the good you can do if you don’t care who gets the credit.”

General George C. Marshall

Space Force Core Values

Character, Connection, Commitment, and Courage

“Bottom line, we must protect space... It underpins every instrument of national power — diplomatic, information, military and economic.”

General John W. Raymond

Missions

USAF Mission: To fly, fight, and win... airpower anytime, anywhere.

USSF Mission: Secure our Nation's interests in, from, and to space.

AFROTC Mission: Develop Air and Space Force leaders of character whom we expect to fight and win our Nation's wars.

Holm Center Mission: We Build Leaders.

Detachment 157 Mission: To commission the most prepared and driven second lieutenants in the U.S. Air Force or Space Force.

Mottos

USAF Motto: Aim High ... Fly-Fight-Win.

USSF Motto: Semper Supra “Always Above”

Detachment 157 Cadre

Cadre	AFSC	Detachment Role
Col Gregory Adams:	11M	Commander
Lt Col Joe Pugliese:	13H	Director of Staff
Maj Christopher Vella:	63A	Education Officer
Maj Nicolas Wright:	11H	Assistant Education Officer
Maj Joseph Niez:	12B	Operations Officer
Capt Laura Schaefer:	38F	Assistant Operations Officer
Maj Nicole Augins:	21R	Recruiting Officer
Capt Vance Mathis:	63A	Assistant Recruiting Officer
2d Lt Hagan Gasimov:	92TO	Executive Officer
MSgt Kurt Lantz:	3F5	NCOIC
TSgt James Hillegas:	3E471	Personnel Manager NCO
SSgt Darryel Gate:	3F5	Personnel Manager NCO
SSgt Logan Whitehill:	3F5	Personnel Manager NCO









Customs and Courtesies

In the Air Force, saluting and greeting higher-ranking officers are vital for maintaining respect and professionalism. Here's why these practices are important:

1. **Respect and Professionalism:** Saluting and using “Yes, Sir” or “Yes, Ma’am” demonstrate respect for the rank and authority of others. This form of address reinforces the respect and discipline that are fundamental in the Air Force, highlighting the hierarchical structure and ensuring that interactions remain respectful and professional.
2. **Saluting Etiquette:** Saluting is performed outdoors and only when within six paces of an officer. This tradition ensures that salutes are given in a controlled and respectful manner, reflecting proper military decorum. Indoors, saluting is not required, but you should still greet and address officers with respect.
3. **Timing of Salutes:** Salutes are exchanged based on the time of day:
 - **Morning:** From 0000 (midnight) to 1159 (11:59 AM), use “Good morning.”
 - **Afternoon:** From 1200 (noon) to 1659 (4:59 PM), use “Good afternoon.”
 - **Evening:** From 1700 (5:00 PM) to 2359 (11:59 PM), use “Good evening.”
4. **Addressing Groups:** When addressing a group of officers, use “Ladies and Gentlemen” to cover all attendees respectfully.
5. **Order of Address:** “Ma’am” should be used before “Sir”.

These protocols ensure that all personnel maintain a high standard of respect and professionalism, reflecting the values and structure of the Air Force.

AFROTC Ranks

Title	Abbreviation	Insignia
Cadet Fourth Class	C/4C	
Cadet Third Class	C/3C	
Cadet Second Lieutenant	C/2d Lt	
Cadet First Lieutenant	C/1st Lt	
Cadet Captain	C/Capt	
Cadet Major	C/Maj	
Cadet Lieutenant Colonel	C/Lt Col	
Cadet Colonel	C/Col	

Drill Essentials

1. Position of Attention:

- Feet together, heels touching, toes at a 45-degree angle.
- Legs straight but not locked, arms at sides with fingers naturally curled, thumbs along pants seams.
- The head is kept erect and held straight to the front with the chin drawn in slightly, so the axis of the head and neck is vertical.
- Eyes are caged, with the line of sight parallel to the ground.
- In this position, you are not authorized to move unless hydrating.
- The command is called as “FLIGHT TENCH-HUT”.

2. Parade Rest:

- From attention, step left with left foot 12 inches, ending with both feet flat on the ground.
- Place hands behind back, right hand over left, thumbs interlaced.
- Relax shoulders, keep body straight, eyes forward.
- Remain silent and immobile.
- This command is called as an alternate to the position of attention to prevent a flight from standing at attention for long periods of time.
- The command is called as “PARADE HESS”.

3. Stationary Facing Movements:

- **Right/Left Face:** Pivot on heels to turn 90 degrees right or left; bring the opposite foot to meet the pivot foot.
- **About Face:** Pivot on heels to turn 180 degrees, completing a full turn in place.
- The commands are called as “LEFT/RIGHT/ABOUT FACE”.

4. Commands:

- **Fall In:** Assemble into formation at attention. Move quickly to positions, assume attention falling into line formation.
- **Fall Out:** Personnel are dismissed from formation.
- **Cover:** Align personnel in formation by having each individual adjust their position to cover the person directly in front of them, ensuring proper alignment. CAN ONLY BE USED IN COLUMN FORMATION
- **Dress Right Dress:** On command, personnel turn their heads to the right and align themselves to the right, ensuring a straight line. Those in the front rank will extend their arms to the sides while keeping their bodies aligned. CAN ONLY BE USED IN LINE FORMATION

Airman's Creed

I am an American Airman.

I am a Warrior.

I have answered my Nation's call.

I am an American Airman.

My mission is to Fly, Fight, and Win.

I am faithful to a Proud Heritage,

A Tradition of Honor,

And a Legacy of Valor.

I am an American Airman.

Guardian of Freedom and Justice,

My Nation's Sword and Shield,

Its Sentry and Avenger.

I defend my Country with my Life.

I am an American Airman.











Wingman, Leader, Warrior.

I will never leave an Airman behind,











I will never falter,

And I will not fail.










Officer Ranks

Grade	Title		Insignia
	Air Force/Space Force/Marines/Army	Navy	
O-1	Second Lieutenant (2d Lt)	Ensign (ENS)	
O-2	First Lieutenant (1st Lt)	Lieutenant Junior Grade (LTJG)	
O-3	Captain (Capt)	Lieutenant (LT)	
O-4	Major (Maj)	Lieutenant Commander (LCDR)	
O-5	Lieutenant Colonel (Lt Col)	Commander (CDR)	
O-6	Colonel (Col)	Captain (CAPT)	
O-7	Brigadier General (Brig Gen)	Rear Admiral, Lower Half (RDML)	
O-8	Major General (Maj Gen)	Rear Admiral, Upper Half (RADM)	
O-9	Lieutenant General (Lt Gen)	Vice Admiral (VADM)	
O-10	General (Gen)	Admiral (ADM)	

Air Force Enlisted Ranks

Grade	Title	Insignia
E-1	Airman Basic (AB)	N/A
E-2	Airman (Amn)	
E-3	Airman First Class (A1C)	
E-4	Senior Airman (SrA)	
E-5	Staff Sergeant (SSgt)	
E-6	Technical Sergeant (TSgt)	
E-7	Master Sergeant (MSgt) <i>Diamond denotes First Sergeant</i>	
E-8	Senior Master Sergeant (SMSgt) <i>Diamond denotes First Sergeant</i>	
E-9	Chief Master Sergeant (CMSgt) <i>Diamond denotes First Sergeant</i> <i>Star denotes Command Chief (CCM)</i> <i>Eagle denotes Chief Master Sergeant of the Air Force (CMSAF)</i>	  

Space Force Enlisted Ranks

Grade	Title	Insignia
E-1	Specialist 1 (Spc1)	
E-2	Specialist 2 (Spc2)	
E-3	Specialist 3 (Spc3)	
E-4	Specialist 4 (Spc4)	
E-5	Sergeant (Sgt)	
E-6	Technical Sergeant (TSgt)	
E-7	Master Sergeant (MSgt)	
E-8	Senior Master Sergeant (SMSgt)	
E-9	Chief Master Sergeant (CMSgt) <i>Space Force logo denotes Chief Master Sergeant of the Space Force (CMSSF)</i>	

Chain of Command

Commander-in Chief: *The Honorable Joseph R. Biden Jr.*

Secretary of Defense: *The Honorable Lloyd J. Austin III*

Secretary of the Air Force: *The Honorable Frank Kendall III*

Chairman of the Joint Chiefs of Staff: *Gen Charles Q. Brown Jr.*

Chief of Staff of the Air Force: *Gen David W. Allvin*

Chief of Space Operations: *Gen B. Chance Saltzman*

AETC Commander: *Lt Gen Brian S. Robinson*

Air University Commander: *Lt Gen Andrea D. Tullos*

Holm Center Commander: *Brig Gen Houston R. Cantwell*

AFROTC Commander: *Col Eugene A. Moore III*

Southeast Region Commander: *Col Aaron L. Ruona*

Det 157 Commander: *Col Gregory Adams*

Det 157 Operations Officer: *Maj Joseph Niez*

Air Force Song

Off we go into the wild blue yonder,
Climbing high into the sun;
Here they come zooming to meet our thunder,
At 'em now, give 'em the gun!
Down we dive, spouting our flame from under,
Off with one helluva roar!
We live in fame or go down in flame. Hey!
Nothing'll stop the U.S. Air Force!

Brilliant minds fashioned a crate of thunder,
Sent it high into the blue;
Valiant hands blasted the world asunder;
How they lived God only knew!
Boundless souls dreaming of skies to conquer,
Gave us wings, ever to soar!
With scouts before and bombers galore. Hey!
Nothing'll stop the U.S. Air Force!

Here's a toast to the host
Of those who love the vastness of the sky.
To a friend we send a message of the brave who serve on high.
We drink to those who gave their all of old,
Then down we roar to score the rainbow's pot of gold.
A toast to the host of those we boast, the U.S. Air Force!

Off we go into the wild sky yonder,
Keep the wings level and true;
If you'd live to be a gray-haired wonder
Keep the nose out of the blue!
Fly to fight, guarding the nation's border,
We'll be there, followed by more!
In echelon we carry on. Hey!
Nothing'll stop the U.S. Air Force!

Space Force Song

We're the mighty watchful eye,
Guardians beyond the blue.
The invisible front line,
Warfighters brave and true.
Boldly reaching into space,
There's no limit to our sky.
Standing guard both night and day,
We're the Space Force from on high!

“...Integrated deterrence means working seamlessly across all domains and across the full spectrum of conflict, in lockstep with our unparalleled network of allies and partners, to make it clear to any potential adversary that the risks and the costs of aggression far outweigh any conceivable gains. And the United States Space Force is crucial to integrated deterrence.”

The Honorable Lloyd J. Austin III

Air Force Specialty Codes

11X	<ul style="list-style-type: none"> - Pilot - Fly missions in multitude aircraft types (trainers, bombers, fighters, mobility, helicopters, surveillance, etc.) - Leads flight crew and ensures mission accomplishment
12X	<ul style="list-style-type: none"> - Combat Systems Officer (CSO) - Operates navigation, weapons systems, surveillance systems, electronic warfare systems, etc. - Work onboard multitude of specialized aircraft or with RPA
13B	<ul style="list-style-type: none"> - Air Battle Manager (ABM) - Control and sequence aircraft over a given battlespace - Utilize multiple air assets to determine outcome of a battle
13H	<ul style="list-style-type: none"> - Aerospace Physiologist - Plan, execute and supervise training and operational programs - Research deep into the complex and unique field of physiology, human factors and human performance - Provide comprehensive training on the threats, hazards and risks of Air Force operations and their mitigating strategies - Provide educational training in a variety of Air Force classes
13M	<ul style="list-style-type: none"> - Airfield Operations - Perform and lead airfield operations (AO) teams of Air Traffic Control (ATC), Airfield Management (AM), and Radar, Airfield, and Weather Systems (RAWS) Airmen within national and international, peacetime and combat environments - Advise commanders on the effective use of AO assets
13N	<ul style="list-style-type: none"> - Nuclear and Missile Ops - Monitor and control nuclear and missile operations - Coordinate nuclear and missile operations policy, activities and programs
13S	<ul style="list-style-type: none"> - Space Operations - Encompasses operating and managing systems involved in space surveillance, spacelift, ballistic space warning, and satellite command and control - Manage space flight planning, training and mission control, along with launching and recovering spacecraft.
14X	<ul style="list-style-type: none"> - Intelligence - Collect, interpret and act upon collected data to brief mission leaders - Establish viability of missions and advise on mission execution, give orders to execute missions on targets or threats

17X	<ul style="list-style-type: none"> - Cyberwarfare - Monitor cyber threats to national security - Manage offensive and defensive cyber capabilities to thwart adversarial threats
19Z	<ul style="list-style-type: none"> - Special Tactics - Special Tactics Officer (STO), Combat Rescue Officer (CRO), Tactical Air Control Party Officer (TACP-O) - Conduct combat and rescue missions in cooperation with joint forces
21A	<ul style="list-style-type: none"> - Aircraft Maintenance Officer - Direct aircraft maintenance and reparation activities - Formulate maintenance plans and conduct periodic inspections
21R	<ul style="list-style-type: none"> - Logistics Readiness Officer - Compute and analyze current and projected materiel requirements - Direct distribution management operations, contingency, fuel management, aerial port and vehicle management operations
31P	<ul style="list-style-type: none"> - Security Forces Officer - Lead and organize security forces operations to include leading airmen and managing posts, training activities and base / asset security - Protect nuclear, missile, aircraft, infrastructure and Air Force personnel
63E	<ul style="list-style-type: none"> - Developmental Engineer - Conduct design studies and manage studies contracted to subcompanies, while coordinating engineering and technical managing activities - Continuously analyze technical policies and procedures, products and services to improve customer support
63A	<ul style="list-style-type: none"> - Acquisitions Manager - Oversee and manage acquisitions projects for aircraft, vehicles, weapons systems, software, etc. - Work with civilian contractors to establish and monitor contracts along with advising senior military leaders on progress and streamlining processes
64P	<ul style="list-style-type: none"> - Contracting Officer - Formulate contracting policy and procedures while establishing organizational structure and personnel - Select contract sources, negotiate terms and ensure contract compliance

Why Is This Information Important?

Knowing basic information about the Air Force is crucial for aspiring members, at any level.

Here's why:

Preparation: *Understanding the basics, such as drill commands and uniform standards, helps you prepare for training. It makes your transition smoother, as you're already familiar with key concepts and procedures.*

Shows Commitment: *By learning about the Air Force in advance, you demonstrate your dedication and seriousness. This effort reflects your dedication to becoming a member of the Air Force and prepares you for the challenges ahead.*

Reduces Stress: *Basic knowledge helps reduce anxiety and uncertainty. Knowing what to expect can make initial training less overwhelming and helps you adapt more quickly.*

Builds Discipline: *Familiarity with Air Force protocols teaches discipline early on. This foundational understanding is crucial as discipline is a core value in military life.*

Boosts Confidence: *Being informed boosts your confidence! It prepares you mentally and helps you perform better in both training and future duties.*

In summary, even a basic understanding of Air Force principles and procedures lays the groundwork for a successful and smooth transition into military life. It shows commitment, builds discipline, and boosts confidence—essential qualities for any aspiring Air Force member.

