



UNITED STATES
AIR FORCE ACADEMY

WITH STEM,
NOTHING IS
IMPOSSIBLE.

ACADEMYADMISSIONS.COM





BUILDING LEADERS IN STEM

You can get a quality education at any college or university. At the Air Force Academy, a world-class education is just part of it.

We also broaden your STEM capabilities, build your character and instill leadership skills that you will use as an officer in the United States Air Force that will open doors to future career opportunities.

[ACADEMYADMISSIONS.COM](https://www.airforceacademy.edu/admissions)



THIS IS THE UNITED STATES AIR FORCE ACADEMY.

WE PREPARE GRADUATES TO SERVE IN THE
MOST RESPECTED AIR, SPACE AND CYBERSPACE
FORCE ON THE PLANET.

MAJORS

- Aeronautical Engineering
- Astronautical Engineering
- Biology
- Chemistry
- Civil Engineering
- Computer Engineering
- Computer and Network Security
- Computer Science
- Electrical Engineering
- Mathematics
- Mechanical Engineering
- Meteorology
- Physics
- Political Science
- Systems Engineering



WORLD-CLASS EXPERIENCES

Beyond the core classroom setting, at the Academy you'll experience laboratories and learning centers designed to let you get hands-on with cutting-edge technologies. Some examples include:

AERONAUTICS LABORATORY

Fully equipped for cadet training, including a subsonic-continuous wind tunnel, an F109 high-bypass turbofan engine, a rocket test cell and internal combustion engines.

ASTRONAUTICS LABORATORIES

Our three astronautics laboratories offer unique capabilities for an undergraduate setting—including facilities for small satellite design, fabrication and testing, rocket design and buildup areas.

OBSERVATORY

Cadets study astronomy and learn how astronomers explore the universe using telescopes configured with state-of-the-art computer-controlled drive systems.

SPACE OPERATIONS

Through our Space Operations program, you'll get the opportunity to help design, test, launch and operate the Academy's next satellite mission.





FIRST-CLASS FACILITIES

It's rare enough to find the kind of first-class facilities the Academy offers at a graduate-level institution. But to find these kinds of tools and laboratory equipment at an undergrad level is especially unique.

MORE ATTENTION

The student-to-teacher ratio is incredibly low. Most classes are held in small, intimate classrooms, with the average class size ranging from 15 to 20 students. Because of this, cadets benefit from the extra attention and access to their instructors—before, during and after class.

SUPERCOMPUTER ACCESS

Access to DOD supercomputers is available Academy-wide. Cadets routinely get access to billions of dollars worth of equipment—something unheard of at most institutions.

TOP TEACHERS

The academic reputation of the Academy attracts the best talent from all over the world. Each faculty member at the Academy must possess a master's degree, and half have obtained a Ph.D.



"I'LL SOON LEAVE FOR PILOT TRAINING AT LAUGHLIN
AIR FORCE BASE IN TEXAS. IT FEELS REALLY GOOD
KNOWING THAT I ACCOMPLISHED EVERYTHING IT TOOK."

LT DAVID COY

When Lt David Coy was in seventh grade, he took a flight from Phoenix to Ohio. At that moment, he knew he wanted to fly. And he knew the Air Force Academy was the best path to achieve that dream.

REAL-WORLD EXPERIENCE

The Academy provides abundant opportunities for cadets to conduct meaningful research, supported by the most cutting-edge technology, facilities and resources. Cadets get real-world experience working with businesses in emerging technologies.

The majority of our STEM program projects are funded by the DOD and the Air Force, and many of the sponsors are potential future employers of our cadets.

HANDS-ON VS CLASSROOM

While cadets receive a fair amount of classroom work, we also believe in the value of getting hands-on experience. So we coordinate with other Air Force bases and DOD sites to give cadets the opportunity to work on real-life projects that they wouldn't be exposed to at other colleges or universities.



"YOU WORK ON REAL-WORLD PROBLEMS FOR REAL-WORLD PAYING CUSTOMERS WHO NEED YOUR WORK."

CAPT MATT SATCHELL,
AERONAUTICAL ENGINEERING PROFESSOR

EXTRA INSTRUCTION (EI)

The Academy provides more access to instructors and a smaller student-to-teacher ratio than just about anywhere else.

CADET SUMMER RESEARCH PROGRAMS (CSR)

Many students do their summer internships at top companies like Lockheed, Boeing, National Labs, Lincoln Labs, DARPA and NASA.

CIVIL ENGINEERING FIELD ENGINEERING READINESS LABORATORY

The Air Force Academy bridges the gap between theory and practice by employing a "construct first, design later" methodology while giving cadets hands-on experience in building portable housing that is donated to Native American reservations.

TEST PILOT TRAINING

For students seeking a career as a test pilot, the Academy is the only undergrad program in the world that offers a class for seniors at Edwards Air Force Base where cadets go on actual test missions with real pilots.

UNMANNED AIRCRAFT SYSTEMS RESEARCH

Cadets can take part in valuable research to expand the autonomous capabilities of remotely piloted aircraft that the Air Force employs every day.

CYBER RANGE

The Academy's own isolated cyber network offers students the opportunity to participate in competitions internationally and exposes them to actual cyber attacks and cyber defense.





REACHING HIGHER IN THE AIR AND ON THE GROUND

FOR THOSE WHO DREAM ABOVE THE CLOUDS

If you've always dreamed of flying the most advanced fighters in the world, RPAs or long-range bombers, the Academy is the right school for you. Half of our cadets become pilots after graduation, embarking on an exciting career while their counterparts in the private sector are still on the ground floor.

FOR THOSE WHO ARE MORE GROUNDED

Whether you choose a career in cyber systems, civil engineering or as a weather officer, you'll be playing a vital role from the ground, ensuring that our missions succeed. With a degree from the Air Force Academy, you will be handed the responsibility to contribute to the overall Air Force mission starting on day one.

MAKING THE IMPOSSIBLE HAPPEN



Some of the brightest and most talented young men and women in the country have chosen the Air Force Academy to pursue their college education. Because for them, living and learning without the challenge, the character and the camaraderie isn't really living or learning at all.

TO EARN YOUR APPOINTMENT, APPLY EARLY BY MEETING THE FOLLOWING REQUIREMENTS:

- Be at least 17 years old and not older than 23 by July 1 of the year you would enter
- Obtain a nomination
- Qualify scholastically
- Pass a medical examination
- Pass the Candidate Fitness Assessment (CFA)
- Be selected for appointment

Learn more about the Air Force Academy and how it's a place where achieving the impossible is expected.

[ACADEMYADMISSIONS.COM](https://www.usafa.edu/academyadmissions)

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