AEROSPACE STUDIES

Air Force Reserve Officer Training Corps (AFROTC) is an outstanding opportunity to commission as an Air Force Officer. Through this program, you will hone your leadership, time-management and analytical skills, while also improving your physical fitness. If you meet military and academic requirements, at the completion of this program you will commission as a Second Lieutenant in the Air Force. From there you will have the opportunity to see the world and lead people in diverse career fields ranging from pilot, navigator, doctor, lawyer, program manager, space or nuclear operations, and many more. No matter your degree or life ambitions, there may be a place for you in the United States Air Force.

Students complete one credit hour of basic Aerospace Studies each semester during their freshman and sophomore years. These credits consist of one lecture hour and two hours of leadership laboratory per week, providing an understanding of United States Air Force structure, history, procedures, military customs and courteses, and military uniform wear. Students also attend two hours of fitness training each week in order to maintain physical fitness and meet fitness test requirements. Unless receiving scholarship through AFROTC, students are under no military obligation throughout this time. Students with an AFROTC scholarship receive $250-$300 per month subsistence allowance during their first two years at OSU.

Students are required to meet academic and military retention standards in order to compete for the opportunity to attend Field Training following their sophomore year. Successful completion of Field Training qualifies them to enter the Professional Officer Corps (POC). Upon entering the POC, students will complete 12 credit hours of Aerospace Studies during their junior and senior years. These credits consist of three lecture hours, two hours of leadership laboratory and two hours of fitness training per week, each semester. The POC provides students with increased leadership opportunities within the cadet wing, preparing them for commissioning as a second lieutenant at the end of their senior year. Additionally, all POC cadets receive $450.00-$500.00 per month subsistence allowance.

Furthermore, all students have the opportunity to participate in various cadet wing-sponsored extracurricular activities throughout their AFROTC career. These include visits to active Air Force installations to gain first-hand knowledge of the duties of junior Air Force officers, often including incentive flights in USAF aircraft!

Multiple scholarships are available for competitive applicants; from Air Force ROTC-funded, in-college scholarships, to a four-year, $2,000 per-year OSU Incentive Scholarship for the top 10 cadets per graduating class, and in-state tuition for out-of-state cadets in good standing, with intent to commission in the Air Force.

AFROTC is available to undergraduate and graduate students with at least three years remaining at OSU.

For more information or if this program interests you, please contact Detachment 670 at 405-744-7744 or afrotc@okstate.edu.

Courses

AERO 1111 Foundations of the US Air Force I
Description: Doctrine, mission and organization of the United States Air Force through a study of the total force structure, strategic offensive and defensive forces, general purpose forces and aerospace support forces.
Credit hours: 1
Contact hours: Lecture: 1 Lab: 0
Levels: Undergraduate
Schedule types: Lab, Lecture, Combined lecture and lab
Department/School: Aerospace Studies

AERO 1211 Foundations of the US Air Force II
Description: Continuation of the doctrine, mission and organization of the United States Air Force; review of Army, Navy, and Marine general purpose forces.
Credit hours: 1
Contact hours: Lecture: 1 Lab: 0
Levels: Undergraduate
Schedule types: Lab, Lecture, Combined lecture and lab
Department/School: Aerospace Studies

AERO 2111 Evolution of US Air Force Air and Space Power I
Description: Growth and development of aerospace power through history beginning with first manned flights and continuing through World War II.
Credit hours: 1
Contact hours: Lecture: 1 Lab: 0
Levels: Undergraduate
Schedule types: Lab, Lecture, Combined lecture and lab
Department/School: Aerospace Studies

AERO 2211 Air Power History II
Description: Development and growth of aerospace power from the period following World War II through the Vietnam conflict; concepts of peaceful deployment of US air power.
Credit hours: 1
Contact hours: Lecture: 1 Lab: 0
Levels: Undergraduate
Schedule types: Lab, Lecture, Combined lecture and lab
Department/School: Aerospace Studies

AERO 3103 Air Force Leadership Studies I
Description: The study of the fundamental leadership, management, and communication skills required of an Air Force junior officer. Basic managerial processes, management of forces in changing environments, organizational power, politics, and managerial strategy and tactics.
Credit hours: 3
Contact hours: Lecture: 2 Lab: 2
Levels: Undergraduate
Schedule types: Lab, Lecture, Combined lecture and lab
Department/School: Aerospace Studies

AERO 3203 Air Force Leadership Studies II
Description: The application of leadership, management, and communication skills required of an Air Force junior officer. The individual as a leader in the Air Force environment, individual, motivational, and behavioral processes, group dynamics, leader and management ethics, counseling and evaluating are discussed.
Credit hours: 3
Contact hours: Lecture: 2 Lab: 2
Levels: Undergraduate
Schedule types: Lab, Lecture, Combined lecture and lab
Department/School: Aerospace Studies
AERO 3504 Field Training Encampment Program  
**Prerequisites:** Consent of professor of aerospace studies.  
**Description:** Practical training on an Air Force base. Junior officer training, familiarization training in most functional aspects of a typical Air Force base. Includes career orientation, small arms firing, flight orientation rides, and survival training.  
**Credit hours:** 4  
**Contact hours:** Lecture: 4  
**Levels:** Undergraduate  
**Schedule types:** Lecture  
**Department/School:** Aerospace Studies

AERO 4103 National Security Affairs I  
**Description:** The formulation, organization and context of national-security, civil-military interaction and the evolution of strategy. Review of the military profession and officership.  
**Credit hours:** 3  
**Contact hours:** Lecture: 2 Lab: 2  
**Levels:** Undergraduate  
**Schedule types:** Lab, Lecture, Combined lecture and lab  
**Department/School:** Aerospace Studies

AERO 4203 National Security Affairs II  
**Description:** Strategy and management of conflict; implementation of national security and regional world issues. Review of societal issues in the military profession and the military justice system.  
**Credit hours:** 3  
**Contact hours:** Lecture: 2 Lab: 2  
**Levels:** Undergraduate  
**Schedule types:** Lab, Lecture, Combined lecture and lab  
**Department/School:** Aerospace Studies

AERO 4402 Summer Professional Development Training Program  
**Prerequisites:** Consent of professor of aerospace studies.  
**Description:** Students spend from two to three weeks on an Air Force base working in their intended specialty under supervision of experienced officer. Leadership and management principles applied to day-to-day experiences.  
**Credit hours:** 2  
**Contact hours:** Lecture: 2  
**Levels:** Undergraduate  
**Schedule types:** Lecture  
**Department/School:** Aerospace Studies

AERO 4554 Introductory Flight Training Program  
**Prerequisites:** Consent of professor of aerospace studies.  
**Description:** Academic and flying phase. Flight characteristics, meteorology, navigation, FAA regulations, and radio procedures.  
**Credit hours:** 4  
**Contact hours:** Lecture: 4  
**Levels:** Undergraduate  
**Schedule types:** Lecture  
**Department/School:** Aerospace Studies

**Undergraduate Programs**
- Aerospace Studies (AERO), Minor (http://catalog.okstate.edu/arts-sciences/aerospace-studies/aerospace-minor)

**Faculty**
- Lt Col Benjamin A. Dahlke—Professor and Head  
- **Assistant Professors:** Maj Susan S. Newton; Capt Christopher J. Herbert; Capt Laura M. Mitch