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 of basic Aerospace Studies class 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 courtesies, and military uniform wear. Students also attend two hours of Fitness Training each week in order to stay in shape 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.

Following their sophomore year, students will need to meet academic and retention standards in order to compete for the opportunity to attend a three-week summer Leadership Evaluation and Development (LEAD) Training program. Successful completion of the program qualifies them to enter the Professional Officer Corps (POC). Upon entering the POC, students will complete 12 credits of Aerospace Studies during their junior and senior years. These credits consist of three lecture hours and two hours of leadership laboratory, and two hours of fitness training per week. 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.

Multiple scholarships are available for competitive applicants. Also, there are currently opportunities to enroll in one and two-year abbreviated programs, to include students in graduate programs. All students have the opportunity to participate in various cadet wing-sponsored extracurricular activities during the year. These include visits to active Air Force installations to gain first-hand knowledge of the duties of junior Air Force officers; cadets are often taken on incentive flights in USAF aircraft.

Please contact Detachment 670 at 405-744-7744 or afrotc@okstate.edu if this program interests you

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
Levels: Undergraduate
Schedule types: Lab, Lecture, Combined lecture and lab
Department/School: Military Std[Army & Af

AERO 1111 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
Levels: Undergraduate
Schedule types: Lab, Lecture, Combined lecture and lab
Department/School: Military Std[Army & Af

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: 3
Levels: Undergraduate
Schedule types: Lab, Lecture, Combined lecture and lab
Department/School: Military Std[Army & Af

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
Levels: Undergraduate
Schedule types: Lab, Lecture, Combined lecture and lab
Department/School: Military Std[Army & Af

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: 3
Levels: Undergraduate
Schedule types: Lab, Lecture, Combined lecture and lab
Department/School: Military Std[Army & Af

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: Military Std[Army & Af

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: Military Std[Army & Af
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:** Military Std[Army & Af  

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:** Military Std[Army & Af  

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:** Military Std[Army & Af  

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:** Military Std[Army & Af  

**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