DEPARTMENT OF AEROSPACE STUDIES

Contact Information
Department of Aerospace Studies
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Kenneth Cates, Chair

Introduction
The United States Air Force Reserve Officer Training Corps (AFROTC) program provides leadership and Air Force-specific training to students pursuing a career as an officer in the United States Air Force. The AFROTC program is open to students looking for a challenging career and the opportunity to support and defend the Constitution of the United States. AFROTC is more than just a department in the College of Arts and Sciences; it is a professional organization designed to provide students growth, development, and leadership opportunities beyond the classroom. Cadets learn and develop these skills through hands-on experiences both inside and outside the traditional classroom setting.

The Air Force ROTC Program
Four-Year Traditional ROTC Program
This program is for students who enroll as cadets in AFROTC and plan to graduate in four years with a commission as an Air Force second lieutenant. Each year of the program cadets must take the appropriate aerospace studies course and AER 500 Leadership Laboratory, and participate in weekly physical training. In the spring of the sophomore year, cadets will compete for an Officer Commissioning Enrollment Allocation, which gives them a spot to attend a four-week field training course in the summer. Successful completion of field training grants entry into the Professional Officer Corps (POC) for the junior and senior years. Cadets in the POC refine their leadership skills and prepare for a United States Air Force active duty commission upon graduation.

Nontraditional ROTC Program
Students who do not enroll in Air Force ROTC in their first semester are still eligible to participate in the program. They will participate in the same academic courses, leadership laboratory, and physical training as traditional students. All nontraditional cadets will be required to complete AERO 101, AERO 102, AERO 201, and AERO 202 prior to attending field training.

Interested Students
First- and second-year students seeking to learn more about the Air Force and ROTC can take AERO 101, AERO 102, AERO 201, or AERO 202 with no obligation. These courses provide a solid introduction to Air Force operations and culture, providing students with the necessary information to make an informed decision about whether the Air Force interests them.

Advising
All majors and minors have a primary academic advisor in Steele Building. At a minimum, students who join the AFROTC program are required to meet with their advisor every fall term to develop and update their academic plan. The department’s education officer and academic instructors help oversee this process. For information on Air Force officer careers, please visit www.afrotc.com (http://www.afrotc.com).

Special Opportunities in Aerospace Studies
Scholarships and Financial Assistance
Two- to 3.5-year scholarships are available to students based on merit or specialized major (e.g., foreign language or nursing). In most cases, these scholarships cover tuition and fees, and provide a tax-free allowance ($250 to $400 each month) and a textbook allowance ($600) each semester. The scholarship does not cover room and board.

Foreign Language/Study Abroad Stipend and Opportunities
All contract and scholarship cadets are eligible to earn up to $3,000 per academic year for studying a foreign language or participating in a study abroad program.

Air Force ROTC cadets are uniquely eligible to participate in Department of Defense language grant programs through major universities, often involving study abroad. See www.rotcprojectgo.org (http://www.rotcprojectgo.org) or contact the unit admissions officer for more information.

Extracurricular Activities
The AFROTC experience is much more than classroom studies. Cadets participate in a range of activities. These include social functions such as a formal dinner, fundraising events, color guard at home football and basketball games, volunteer work in the community, and field trips to military bases. Recent cadet activities are highlighted on a public Facebook page (http://www.facebook.com/UNC.AFROTC.DET590).

Arnold Air Society (AAS) is a national service organization dedicated to furthering the traditions, purposes, and concepts of the United States Air Force as a military organization and a professional calling. The local AAS chapter is active nationwide, and AFROTC cadets attend the regional and national conventions each year.

Guaranteed Job Placement
Successful AFROTC program graduates are commissioned as second lieutenants in the United States Air Force.

Minor
- Aerospace Studies Minor (http://catalog.unc.edu/undergraduate/programs-study/aerospace-studies-minor)

Professor

Assistant Professors
Annamaria Vesely, Captain, U.S. Air Force.
MaDana Bivens, Captain, U.S. Air Force.
AERO—Aerospace Studies

Undergraduate-level Courses

AERO 101. United States Air Force Today. 1 Credit.
An introduction to AFROTC and the United States Air Force (USAF); customs and courtesies, officer opportunities, core values, and communications skills.
Grading status: Letter grade.

AERO 102. United States Air Force Today. 1 Credit.
Grading status: Letter grade.

AERO 190. Seminar. 1-3 Credits.
Seminar in topics related to the United States Air Force.
Repeat rules: May be repeated for credit. 6 total credits. 2 total completions.
Grading status: Letter grade.

AERO 196. Independent Study. 1-3 Credits.
Readings and research of topics regarding the United States Air Force.
Repeat rules: May be repeated for credit. 6 total credits. 2 total completions.
Grading status: Letter grade.

AERO 201. The Evolution of United States Air Force Air and Space Power. 1 Credit.
Examines general aspects of air and space power through a historical perspective from the first balloons and dirigibles to the Cold War.
Grading status: Letter grade.

AERO 202. The Evolution of United States Air Force Air and Space Power. 1 Credit.
Examines general aspects of air and space power through a historical perspective from post-Cold War military operations through the Global War on Terror.
Grading status: Letter grade.

AERO 213. Air Power and Modern Warfare. 3 Credits.
Examines air power theory and practice from 1914 to the present. Focuses on the application of air power as an instrument of war and the effectiveness of that application.
Gen Ed: HS, GL.
Grading status: Letter grade
Same as: HIST 213, PWAD 213.

AERO 301. Contemporary Leadership and Management. 3 Credits.
Part one of a two-part course concerning contemporary leadership and management. Emphasizes modern-day experiences, successes, and failures, with various theories on motivating people, organizing, and managing. Lectures and discussion focus on application of various principles as an Air Force officer. Class participation, comprehension, and oral communication skills are stressed.
Requisites: Prerequisites, AERO 101, 102, 201, and 202.
Gen Ed: SS, CI.
Grading status: Letter grade.

AERO 302. Contemporary Leadership and Management. 3 Credits.
A continuation of AERO 301. Class participation, comprehension, and written communication skills will be stressed.
Requisites: Prerequisites, AERO 101, 102, 201, and 202.
Gen Ed: SS, CI.
Grading status: Letter grade.

AERO 393. Air and Space Expeditionary Training. 1 Credit.
Provides leadership training in a military environment. Professional development is achieved through academics, physical fitness, marksmanship, and leadership exercises. Course culminates in a simulated expeditionary deployment to a combat zone.
Gen Ed: EE- Field Work.
Grading status: Letter grade.

Advanced Undergraduate and Graduate-level Courses

AERO 401. National Security Affairs and Preparation for Active Duty. 3 Credits.
Summer field training required. Examines issues relevant to new Air Force officers with an emphasis on national security issues and Department of Defense and U.S. Air Force organizational structures and function.
Requisites: Prerequisites, AERO 101, 102, 201, and 202.
Gen Ed: CI, GL.
Grading status: Letter grade.

AERO 402. The Military and Contemporary Society. 3 Credits.
Survey and analysis of the major issues affecting officers in the Air Force. Lectures and discussions center on gaining insight into the military officer, military law, ethics, law of armed conflict, and preparing for active duty as a second lieutenant. Class participation, comprehension, written and oral communication skills are stressed.
Grading status: Letter grade.

AERO 500. Leadership Laboratory. 0 Credits.
Required for all AFROTC cadets. This laboratory is conducted by the cadet corps and involves career opportunities in the USAF, life and work of the USAF junior officer, and military ceremonies.
Repeat rules: May be repeated for credit; may be repeated in the same term for different topics.
Grading status: Letter grade.