

Aerospace Studies (Air Force ROTC)

Special Studies

Department Office: 176 Hearst Gymnasium, (510) 642-3572

Department Website: Air Force ROTC (<http://airforcerotc.berkeley.edu>)

Overview

The Department of Aerospace Studies offers students in virtually all academic areas the opportunity to qualify for a commission as a 2nd Lieutenant in the United States Air Force while simultaneously completing university degree requirements. Each eligible student must have at least three full academic years remaining in his/her bachelor's degree program; under certain circumstances, an Air Force Reserve Officers' Training Corps (AFROTC) cadet may finish the AFROTC program while simultaneously completing one year of a graduate degree program.

Students interested in AFROTC are eligible to compete for scholarships which cover the costs of tuition, books, and most fees. In addition, a \$250-\$400 monthly living allowance is paid to each student on scholarship. Cadets competing for scholarships should contact the Recruiting Flight Commander at (510) 642-3572.

The AFROTC Detachment at Berkeley emphasizes student participation and involvement. Classes are conducted as seminars and call for active student discussion. In addition, there is a weekly two-hour leadership laboratory that is mandatory for all AFROTC cadets. In this laboratory, students become involved in the management of their own cadet organization. Cadets also participate in volunteer projects, visits to Air Force bases, and various community outreach programs.

Completion of the program to earn a commission as an Air Force 2nd Lieutenant requires enrollment during each semester in a specified course in Aerospace Studies or Military Affairs. The normal sequence for the four-year program is as follows: freshman, Aerospace Studies 1A (fall) and Aerospace Studies 1B (spring); sophomores, Aerospace Studies 2A (fall) and Aerospace Studies 2B (spring); juniors, Aerospace Studies 135A (fall) and Aerospace Studies 135B (spring); seniors, Military Affairs 145A (fall) and Military Affairs 145B (spring). The freshman and sophomore courses are each one credit hour, and the junior and senior courses are both three credits each.

Aerospace Studies courses are open to all University students; students from other institutions may participate in the AFROTC program through cross-enrollment arrangements or through the University Extension.

For further information on enrollment requirements and procedures, contact the Recruiting Flight Commander at (510) 642-3572, afrotc@military.berkeley.edu, and check out the AFROTC Detachment 85 website (<http://bulletin.berkeley.edu/departmentsandsubjects/aerospacestudies/%20http://airforcerotc.berkeley.edu>).

AEROSPC 1A Foundations of the U.S. Air Force 1 Unit

Department: Aerospace Studies

Course level: Undergraduate

Term course may be offered: Fall

Grading: Letter grade.

Hours and format: 1.5 hours of lecture/discussion per week.

Introductory survey of the U.S. Air Force. Explores evolutionary factors affecting the nature and control of the military. Examines current U.S. defense needs and the Air Force in terms of theory, function, mission, and organization. Major commands are examined individually. Examines the history and structure of the U.S. Air Force, the Air Force's capabilities, career opportunities, benefits, Air Force installations, and communications skills. Additionally, AFROTC cadets must attend weekly Leadership Lab. Leadership Lab is a weekly laboratory that touches on the topics of Air Force customs and courtesies, health and physical fitness, and drills and ceremonies.

Formerly known as 1. Instructor: Stone

AEROSPC 1B Foundations of the U.S. Air Force 1 Unit

Department: Aerospace Studies

Course level: Undergraduate

Term course may be offered: Fall

Grading: Letter grade.

Hours and format: 1.5 hours of lecture/discussion per week.

A survey course designed to introduce cadets to the U.S. Air Force and the Air Force Reserve Officer Training Corps (AFROTC). Featured topics include Air Force core values, leadership, team building, diversity, and communication skills. Additionally, AFROTC cadets must attend weekly Leadership Lab. Leadership Lab is a weekly laboratory that touches on the topics of Air Force customs and courtesies, health and physical fitness, and drills and ceremonies.

Instructor: Stone

AEROSPC 2A The Evolution of U.S. Air Force Air and Space Power 1 Unit

Department: Aerospace Studies

Course level: Undergraduate

Term course may be offered: Fall

Grading: Letter grade.

Hours and format: 1 hour of Lecture per week for 15 weeks.

This course is designed to examine the general aspects of air and space power through a historical perspective. Utilizing this perspective, the course covers a time period from the first balloons and dirigibles to the space-age global positioning systems of the Persian Gulf War. Historical examples are provided to extrapolate the development of Air Force capabilities (competencies) and missions (functions) to demonstrate the evolution of what has become today's air and space power.

Course may be repeated for credit. Course may be repeated for credit when topic changes. Formerly known as 2.

AEROSPC 2B The Evolution of U.S. Air Force Air and Space Power 1 Unit

Department: Aerospace Studies

Course level: Undergraduate

Term course may be offered: Spring

Grading: Letter grade.

Hours and format: 1 hour of Lecture per week for 15 weeks.

This course is designed to examine the general aspects of air and space power through a historical perspective. It examines several fundamental truths associated with war in the third dimension; e.g., principles of war and tenets of air and space power. As a whole, this course provides students with a knowledge level understanding for the element and employment of air and space power, from an institutional, doctrinal, and historical perspective.

AEROSPC 100 Leadership Laboratory 0.0 Units

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