

# Aerospace Studies (AEROSPC)

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## Courses

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

This course introduces students to the United States Air Force (USAF) and Air Force Reserve Officer Training Corps (AFROTC) with an overview of the basic characteristics, missions, and organization of the Air Force; additional topics include officership and professionalism, Air Force career opportunities, military customs and courtesies, and an introduction to USAF basic 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.

#### Hours & Format

**Fall and/or spring:** 15 weeks - 1 hour of lecture per week

#### Additional Details

**Subject/Course Level:** Aerospace Studies/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required.

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

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 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 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.

#### Hours & Format

**Fall and/or spring:** 15 weeks - 1 hour of lecture per week

#### Additional Details

**Subject/Course Level:** Aerospace Studies/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required.

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

This course examines the general aspects of air/space power through historical study and analysis, providing students with knowledge of the capabilities, functions, and doctrinal employment of air/space forces. It covers the period from the first balloons and dirigibles to the employment of air/space power during the Cold War, utilizing historical/operational examples to highlight the development of USAF core competencies, capabilities, and missions that underpin the evolution of today's USAF. This course emphasizes oral/written communication skills development. AFROTC cadets must also attend Leadership Lab, a weekly lab providing practical experience in areas like customs and courtesies, health/physical fitness, and drill and ceremonies.

#### Rules & Requirements

**Repeat rules:** Course may be repeated for credit. Course may be repeated for credit when topic changes.

#### Hours & Format

**Fall and/or spring:** 15 weeks - 1 hour of lecture per week

#### Additional Details

**Subject/Course Level:** Aerospace Studies/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required.

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

This course examines the general aspects of air/space power through a historical perspective, as well as fundamental truths associated with war (e.g., principles of war and tenets of air/space power). As a whole, this course provides students with a knowledge level understanding for the element and employment of air/space power, from an institutional, doctrinal, and historical perspective. Students will also conduct writing and briefing assignments to meet Air Force communication skills requirements. Additionally, AFROTC cadets must attend Leadership Lab, a weekly laboratory that provides practical experience in key areas to include Air Force customs and courtesies, health/physical fitness, and drill and ceremonies.

#### Hours & Format

**Fall and/or spring:** 15 weeks - 1 hour of lecture per week

#### Additional Details

**Subject/Course Level:** Aerospace Studies/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required.

**AEROSPC 100 Leadership Laboratory 0.0 Units**

Leadership Lab (LLAB) represents the hands-on portion of the Aerospace Studies courses. It presents a dynamic and integrated grouping of leadership developmental activities. LLAB is a student planned, organized, and executed practicum intended to maximize cadet leadership experience and preparation for easy transition to their active duty assignments. It is conducted under the supervision of AFROTC cadre. The course focuses on the leadership experiences of senior and junior cadets and provides training in basic military knowledge and skills to underclass cadets. Cadets are trained on proper uniform wear, grooming and appearance requirements, physical fitness, knowledge of military customs and courtesies, and military drill and ceremony.

**Rules & Requirements**

**Prerequisites:** Consent of instructor

**Credit Restrictions:** For Air Force cadets only.

**Hours & Format**

**Fall and/or spring:** 15 weeks - 2 hours of laboratory per week

**Additional Details**

**Subject/Course Level:** Aerospace Studies/Undergraduate

**Grading/Final exam status:** Offered for pass/not pass grade only. Final exam not required.

**AEROSPC 135A Air Force Leadership Studies 3 Units**

This course is a study of leadership, management fundamentals, professional knowledge, and communication skills required of an Air Force junior officer. Lecture, text, case studies, and class discussion will be used to examine all aspects of leadership including counseling, mentoring, empowering, problem solving, accountability and authority. Students will develop upon basic written and oral communications skills primarily through written assignments and oral presentations.

**Rules & Requirements**

**Prerequisites:** 135A is a prerequisite to 135B or consent of instructor

**Hours & Format**

**Fall and/or spring:** 15 weeks - 3 hours of seminar per week

**Additional Details**

**Subject/Course Level:** Aerospace Studies/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required.

**Instructor:** Gully

**AEROSPC 135B Air Force Leadership Studies 3 Units**

This course is a study of leadership, management fundamentals, professional knowledge, and communication skills required of an Air Force junior officer. Lecture, text, case studies, and class discussion will be used to examine all aspects of leadership including counseling, mentoring, empowering, problem solving, accountability and authority. Students will develop upon basic written and oral communications skills primarily through written assignments and oral presentations.

**Rules & Requirements**

**Prerequisites:** 135A or consent of instructor

**Hours & Format**

**Fall and/or spring:** 15 weeks - 3 hours of seminar per week

**Additional Details**

**Subject/Course Level:** Aerospace Studies/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required.