

Aerospace Studies (AEROSPC)

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

Terms offered: Fall 2025, Fall 2024, Fall 2023

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

Terms offered: Spring 2025, Spring 2024, Spring 2023

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 Air and Space Power 1 Unit

Terms offered: Fall 2025, Fall 2024, Fall 2023

This course is designed to provide a fundamental understanding of both leadership and team building. Students will learn that there are many layers to leadership, including aspects that do not always come to mind. Such things include listening, understanding themselves, being a good follower, and problem solving efficiently. Students will apply these leadership perspectives when completing team building activities and discussing things like conflict management. Students should demonstrate basic verbal and written communication skills. Note: AFROTC cadets will apply these lessons at Leadership Lab and Field Training.

Rules & Requirements

Repeat rules: Course may be repeated for credit without restriction.

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 Air and Space Power 1 Unit

Terms offered: Spring 2025, Spring 2024, Spring 2023

This course is designed to provide a fundamental understanding of both leadership and team building. Students will learn that there are many layers to leadership, including aspects that do not always come to mind. Such things include listening, understanding themselves, being a good follower, and problem solving efficiently. Students will apply these leadership perspectives when completing team building activities and discussing things like conflict management. Students should demonstrate basic verbal and written communication skills. Note: AFROTC cadets will apply these lessons at Leadership Lab and Field Training.

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

Terms offered: Fall 2025, Spring 2025, Fall 2024

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 Leadership Studies 3 Units

Terms offered: Fall 2025, Fall 2024, Fall 2023

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: Emerson

AEROSPC 135B Leadership Studies 3 Units

Terms offered: Spring 2025, Spring 2024, Spring 2023

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.

Instructor: Emerson