

DEPARTMENT OF AEROSPACE STUDIES

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Faculty of the Department

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Objectives

The Aerospace Studies Program provides an opportunity for students to earn a commission in the United States Air Force while working toward an academic degree simultaneously. Skills that are the cornerstone of leadership excellence such as confidence, self-esteem, motivation, leadership and fellowship, creative thinking, self-discipline, team building, and decision-making are taught in the Air Force Reserve Officers Training Corps (AFROTC) Program.

Upon completing the AFROTC Program and all requirements for an academic degree, students can achieve their goal of a degree in their chosen academic field and a presidential commission as an Air Force Second Lieutenant. The objectives of the program are:

- To produce the future officer leadership of the U.S. Air Force.
- To provide an introduction to the Air Force Reserve Officers Training Corps and the Air Force, how they're organized, how they work.
- To provide first-year cadets an informative and motivational program designed to recruit, retain, and familiarize them with the Air Force way of life and foster leadership, followership, teamwork, and esprit de corps.
- To provide cadets returning from field training sufficient opportunities to demonstrate and develop the leadership and management skills needed to successfully function as an active duty officer.
- To provide cadets to be commissioned additional opportunities to demonstrate and develop the leadership and management skills needed to successfully function as an active duty officer and to adequately prepare them to transition from the ROTC environment to active duty.

The topics covered include the history and structure of the US Air Force, the Air Force's capabilities, career opportunities, benefits, Air Force installations, core values, leadership, managing diversity, team building, communications skills, general aspects of air and space power through a historical perspective, the National Security process, regional studies, advanced leadership ethics, and Air Force doctrine. A separate Leadership Laboratory is a mandatory requirement for all cadets.

The Air Force ROTC Program is divided into the General Military Course (GMC) during the freshman and sophomore years and the Professional Officer Course (POC) for the remaining two years of college. Four-year cadets participate in a four-week training period during the summer between their sophomore and junior years.

MS 101 FUND OF LDRSHP & MGNT I (1 Hour)

Co-requisite: MS 103. Introduction to officership with emphasis on military customs and traditions, time management, stress management, and physical fitness. Introduction to principles of leadership with emphasis on character and competence, values and ethics, and values of the U.S. Army.

MS 102 FUND OF LDRSHP & MGNT II (1 Hour)

Co-requisite: MS 104. Builds upon leadership principles emphasizing oral and written communications, the problem-solving process, goal setting, active listening, assertiveness skills, counseling methods and nutrition. Builds upon principles of officership with emphasis on life the U.S. Army.

MS 103 LEADERSHIP LABORATORY (1 Hour)

Leadership Lab.

MS 104 LEADERSHIP LABORATORY (1 Hour)

Leadership Lab.

MS 201 INDIVIDUAL LEADERSHIP STUDIES (2-3 Hours)

Co-requisite: MS 203. Building on leadership principles with emphasis on communication, personal development, physical well-being, team building, problem solving, and reasoning. Introduction to the ROTC Distance Learning Enhancement Skills Training Program with special emphasis on math, English, and reading skills. COMPRESSION COURSE (3): Co-requisite: MS 203. May substitute for MS 101 and 201 by compressing them together. Course is designed for sophomore student who has not had previous military science classes, basic training, or high school JROTC.

MS 202 LEADERSHIP AND TEAMWORK (2 Hours)

Co-requisite: MS 204. Building of leadership principles with emphasis on communication, personal development, physical well-being, team building, problem solving, and reasoning. Continued development of oral and written communication skills. COMPRESS COURSE (3 hrs): Co-requisite: MS 204. May substitute for MS 102 and 202 by compressing them together. Course is designed for sophomore student who has not had previous military science classes, basic training, or high school JROTC.

MS 203 LEADERSHIP LABORATORY (1 Hour)

Leadership Lab.

MS 204 LEADERSHIP LABORATORY (1 Hour)

Leadership Lab.

MS 300 LEADERSHIP TRAINING CAMP (2 Hours)

Prerequisite: Students must have minimum of 2 years of college remaining.

ROTC Basic Camp is a six-week summer training and evaluation class conducted on an active Army base. Students learn fundamental military skills and develop the ability to lead others. Students earn approximately \$761 while learning fundamental leadership skills with hundreds of other college students from universities throughout the United States and Puerto Rico. This is a substitute course for MS 100 and 200 level courses. Qualifies students for MS 300 level courses.

MS 301 LEADERSHIP AND PROBLEM SOLVING (3 Hours)

Introduction to the Leadership Development Program and Self Assessment. Builds upon leadership principles with emphasis on physical fitness, wellness, nutrition, and training a team. Develops Officership focusing on tactics, the principles of war, and offensive and defensive operations utilizing tactical analysis case studies. Develops Officership with emphasis on the problem solving process utilizing the Troop Leading procedures, Officer duties, and the role and organization of the Army values, spiritual needs, consideration of others, and ethical decision making. Qualified Students may receive up to \$3,600 stipend annually. Course includes mandatory field training exercises.

MS 302 LEADERSHIP AND ETHICS (3 Hours)

A continuation of MS 301, where Students study, practice, and apply the fundamentals of Army leadership, Officership, Army values and ethics, personal development, and small unit tactics at the patrol/platoon level. At the conclusion of this course, students will be capable of planning, coordinating, navigating, motivating and leading a 24-person patrol in the execution of a tactical mission during a classroom practical exercise, a leadership lab, or during a situational training exercise (STX) in a field environment. Course includes instruction in platoon operations, stability and support operations, and garrison orders. Participation in leadership lab is required.

MS 303 LEADERSHIP LABORATORY (1 Hour)

Leadership Lab.

MS 304 LEADERSHIP LABORATORY (1 Hour)

Leadership Lab.

MS 400 LDRSHIP DVLPMNT & ASSESMT CAMP (3 Hours)

LDAC is a six-week summer training and evaluations class conducted on an Active Army base. Students must attend LDAC during the summer upon completion of MS 302. Students are placed in leadership positions and evaluated on their ability to plan, direct, and execute tasks while operating in challenging and stressful environments. Student will earn approximately \$800 for attendance at LDAC.

MS 401 ADAPTIVE LEADERSHIP (3 Hours)

Prepares student for commissioning as a Second Lieutenant in the United States Army by focusing on career choices, life in the Army, training the force, mission-essential task list development, training execution and assessment, active listening and feedback, personal and developmental counseling, stress management, social exchange theory, expectancy theory, organizational systems and culture and organizational change culminating in a leadership simulation practical exercise. Qualified students may receive up to \$4,000 stipend annually. Course includes mandatory field training exercises.

MS 402 OFFICERSHIP (3 Hours)

Comprehensive senior leadership project that focuses on values and ethics emphasizing assessment, establishment, and improvement of the ethical climate, the foundation, regulations, and codes of military law, and the law of war, the tactical, operational, and strategic levels of war, military operations other than war, personnel administration, maintenance and supply management financial planning, counseling practicum, leadership lessons and developing a Leadership Vision. Qualified students may receive up to \$4,000 stipend annually. Course includes mandatory field training exercises.

MS 403 LEADERSHIP LABORATORY (1 Hour)

Leadership Lab.

MS 404 LEADERSHIP LABORATORY (1 Hour)

Leadership Lab.

MS 450 IND STUDY (THE ARMY PROFESSION (3 Hours)

Comprehensive senior leadership project that focuses on the Army Profession and the Army Ethic. It will expand the discussion on the Army Profession's dual character as a military department of the United States Government and, more importantly, a military profession; identify two mutually supportive communities of practice of the profession: the Profession of Arms (Regular Army, Army National Guard, and Army Reserve forces) and the Army Civilian Corps; and introduce the five essential characteristics that legitimize the Army as a profession: trust, military expertise, honorable service, esprit de corps, and stewardship of the profession. The course will define membership and certification of Army professionals in competence, character, and commitment. It will describe Army culture, describes the Army Ethic, and lays the groundwork for developing the moral identity of the Army Profession and its professionals. Course includes mandatory field training exercises.