

# Department of Air Force Aerospace Studies

## Professor of Air Force Aerospace Studies

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### General

Air Force ROTC is open to all students in any major pursuing a bachelor, master, or doctorate degree.

### Purpose

The Mission of Air Force ROTC is to train students to become future leaders in the U.S. Air Force. AFROTC provides instruction and experience to all cadets in a diversified university environment so they can graduate with the knowledge, character, and motivation essential to becoming leaders in the world's greatest and most respected Air Force. Individuals who successfully complete either the two-or four-year program will be commissioned as Second Lieutenants in the U. S. Air Force.

### Objectives

Air Force ROTC Detachment 305's objective is to recruit, select, educate, and commission quality officer candidates.

### Requirements for Admission

**General Military Course** (freshmen and sophomores): Enrollment requirements are as follows: 1) possess good moral character, 2) must meet age requirements for commissioning, 3) be medically qualified, and 4) be accepted by the University as a regular full-time student.

**Professional Officer Course:** Students are selected for the POC on a competitive basis. In addition to those requirements mentioned for the GMC, entrance into the POC requires that a student be a U. S. citizen; meet mental and physical requirements for commissioning; have satisfactorily completed approximately 60 semester hours toward his or her degree; and be in good standing in the institution. Those enrolled in the POC will sign an oath of allegiance to the U. S. and receive a monthly allowance.

### Application Requirements

There is no application procedure for the four-year program. Students may simply register for Air Force ROTC in the same manner and at the same time they register for other college courses. Any student wishing to apply for the two-year program should contact one of the active duty officers on the 14th floor of Wyly Tower.

**Four-Year Program:** This is divided into two distinct categories--the General Military Course (GMC) and the Professional Officer Course (POC). Any university student may enroll in the GMC. Enrolling in the GMC incurs no military obligation unless on scholarship status. Students may then compete for entry into the POC during their last two years of college. Selection into the POC is highly competitive and is based upon qualification after an Air Force medical examination, scores achieved on the Air Force Officer Qualifying Test (AFOQT), grade-point-average, physical fitness test, and successful completion of a Field Training course.

**Two-Year Program:** The two-year program consists of the POC--the last two years of the four-year program. The basic requirement is that applicants have two academic years remaining at either the undergraduate or graduate levels, or a combination of both after the completion of the Field Training course.

Applicants seeking enrollment in the two-year program must pass an Air Force physical exam. They are also evaluated on grade point average, scores achieved on the AFOQT, physical fitness, and a personal interview.

Since the processing procedure must be completed in advance of intended enrollment, interested students must apply early in the academic year preceding the Fall Quarter which they intend to enter the program. Application should be made in writing or by a personal visit to an officer on the 14th floor of Wyly Tower.

### Leadership Laboratory Training

In addition to academic training, enrollment in the corresponding Leadership Laboratory is open to students who are members of the Reserve Officer Training Corps or are eligible to pursue a commission. Leadership Laboratory consists of physical, military, and leadership training including the operation of the Cadet Corps. The Cadet Corps is comprised exclusively of cadets. All plans and programs are developed and executed by Cadets Corps.

### Field Training

All cadets must complete Field Training which consists of academic work, orientation to the Air Force environment, and traditional military training. Cadets in the two-year program must, by law, attend five weeks of Field Training prior to POC entry. Four-year program cadets attend four weeks of Field Training, normally between their sophomore and junior years.

### Requirements for Commission

Upon completion of the AFROTC Professional Officers Course and receipt of a baccalaureate degree, cadets are eligible for commission as Second Lieutenants in the United States Air Force.

### Monetary Allowance While in the POC

All POC members receive a \$200 monthly tax-free allowance during this two-year course.

### College Scholarship Program

Each year the Air Force awards a number of four-, three-, and two-year scholarships on a competitive basis to highly qualified students. Scholarships provide full tuition, most laboratory fees, textbook, and incidental fees, and out-of-state fees if applicable, plus \$200 per month for 10 months each year the scholarship is in effect. Louisiana Tech supplements high school AFROTC scholarship winners and in-college scholarship recipients with full room and board for all four years regardless of the length of their scholarship as an incentive for coming to Tech. A \$3,000 per year POC Incentive Scholarship is offered to POC cadets not already on an AFROTC college scholarship in any four-year degree program, but they must not turn 27 years of age before July 1 of the year of commissioning.

### Books and Uniforms

All uniforms and textbooks required for AFROTC courses are furnished by Louisiana Tech and the U. S. Air Force. Each member of AFROTC will make a refundable deposit of \$10.00 to cover possible uniform loss or damage.

### Extracurricular Activities

AFROTC sponsors a number of organizations that provide avenues for further personal development for qualified and

interested cadets.

**Arnold Air Society.** The Emmett O'Donnell Squadron of the Arnold Air Society is an organization dedicated to promoting a better understanding of the role of airpower in the aerospace age. This is a national honorary society limited to selected cadets who demonstrate outstanding academic and leadership traits.

**Silver Wings Society.** Silver Wings Society is a national honorary community service organization sponsored by the Arnold Air Society and the Air Force Association open to any student who meets the flight's qualifications. There is no requirement to be a cadet or member of ROTC to join, and no commitment is incurred. These patriotic students work closely with the Arnold Air Society. They support Cadet Corps activities and promote the USAF and AFROTC through community service.

**Honor Guard.** The Valkyrie Honor Guard is a military group composed of cadets who perform a variety of ceremonial functions. Those include providing a color guard for campus and civic activities, giving precision drill exhibitions, and competing at the national level in drill competitions.

**Orientation Flights and Air Base Visitation.** Members are afforded opportunities to fly in military aircraft for purposes of orientation and familiarization. Air Force base visitations are also offered and encouraged.

**Formal Military Ball.** Cadets sponsor a formal Military Ball annually for the members of the Corps and their invited guests.

**Intramural Sports.** AFROTC sponsors teams and individuals in all campus sports events.

**Housing.** The University has designated the 10th floor of Neilson (for males) and the 3rd floor of Harper (for females) as AFROTC floors. All cadets who reside on campus are encouraged to live on these floors, but the choice to do so is strictly voluntary.

**University of Louisiana-Monroe (ULM) Students.** Air Force ROTC is open to ULM students with all tuition fees waived by Tech provided they take only Air Force ROTC courses.

**Academic Credit.** The classroom work in both the General Military and Professional Officer Courses is classified as elective work and is credited in varying amounts, depending on the student's degree program. Students should consult with the dean of their particular college if in doubt of the amount of credit allowed.

**Aerospace Studies Curriculum Requirements**

Freshmen Year	
Aerospace Science 125, 126, 127 .....	3
Leadership Lab 155, 156, 157 .....	0
English 101 (AFROTC. Scholarship Recipients).....	3
Sophomore Year	
Aerospace Science 225, 226, 227 .....	3
Leadership Lab 255, 256, 257 .....	0
Mathematics 101 or higher .....	3
Junior Year	
Aerospace Science 331, 332, 333 .....	6
Leadership Lab 351, 352, 353 .....	0
Senior Year	
Aerospace Science 431, 432, 433 .....	6
Leadership Lab 451, 452, 453 .....	0
Graduate with Academic Degree	

**Minor in Aerospace Studies**

This minor consists of 12 credit hours of upper-level ROTC classes (331, 332, 333, 431, 432, and 433) and 9 credit hours in one of the following areas of study (special authorization can be given by AFROTC to substitute new courses or courses offered on a one time

basis that complement the minor):

**History**

313 Military History, 402 History of American Foreign Policy, 466 Contemporary America, 467 America 1960 to the Present, 472 History of American Ideas.

**Political Science**

201 National Government in the United States, 302 Comparative Foreign Governments, 350 International Relations, 355 American Foreign Policy, 460 Politics of Developing Nations, 465 Asian Politics.

**Foreign Language**

202 Intermediate Language, 200/300 Level Language Classes.

**Sociology**

201 Principles and Elements of Sociology, 304 Social Psychology, 312 Minority Groups, 345 Social Stratification  
418 Social Control.

**Management**

201 Supervisory Techniques, 311 Organizational Behavior, 465 Industrial Traffic Management, 470 Personnel Management, 475 Industrial Management, 476 Systems and Operations Management, 478 Seminar in Personnel and Industrial Relations, 485 International Business Management.

**Geography**

203 Physical Geography, 205 Cultural Geography, 225 World Human Geography (Part I), 226 World Human Geography (Part II), 316 Geography of Latin America, 360 Geography of Europe and Russia.

**English/Technical Writing**

303 Technical Writing, 332 Advanced Grammar, 361 Scientific Method, 362 Graphics in Technical Writing, 363 Readings in Scientific and Technical Communication, 460 Advanced Technical Writing, 461 Technical Writing for Publication, 462 Technical Editing, 463 Scientific and Technical Presentations, 464 Occupational Technical Writing, 465 Specification, Bid, Grant, and Proposal Writing.