Chapter 9 - Department of Air Force Aerospace Studies

Administration
Professor of Aerospace Studies
Col. Ray T. (Tom) Garza

Address
More information about the Department of Air Force Aerospace Studies can be obtained by writing:
Department of Air Force Aerospace Studies
P.O. Box 3154
Louisiana Tech University
Ruston, LA 71272
(318) 257-4937
and/or visiting the Department’s web site:
http://www.latech.edu/tech/afrotc/

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 three-or four-year program will be commissioned as Second Lieutenants in the U.S. Air Force.

Requirements for Admission
1) possessed good moral character,
2) must meet age requirements for commissioning,
3) be medically qualified, and
4) be admitted to the University as a regular full-time student.

Professional Officer Course: (juniors and seniors) 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 monetary stipend.

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.

Three- and 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 (AFQT), grade-point-average, physical fitness test, and successful completion of a Field Training course.

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 The Cadet 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 three-year program must, by law, attend six 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 monthly tax-free stipend during this two-year course. Currently students enrolled in the first year of the POC (typically juniors) receive a $350 monthly stipend while students enrolled in the final year (typically seniors) of the POC receive a $400 monthly stipend.

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 $250 to $400 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 as an incentive for coming to Tech. An AFROTC college scholarship recipient in any four-year degree program must not turn 31 years of age before Dec 31 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 quests. **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
- **Leadership Lab**: 155, 156, 157
- **English 101** (AFROTC. Scholarship Recipients)

#### Sophomore Year

- **Aerospace Science**: 225, 226, 227
- **Leadership Lab**: 255, 256, 257
- **Mathematics 101** or higher

#### Junior Year

- **Aerospace Science**: 331, 332, 333
- **Leadership Lab**: 351, 352, 353

#### Senior Year

- **Aerospace Science**: 431, 432, 433
- **Leadership Lab**: 451, 452, 453

**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): All courses applied toward the minor must be completed with the grade of “C” or higher.

#### 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

#### 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