AEROSPACE STUDIES

http://www.miami.edu/aerospace-studies

Dept. Code: AIS

Air Force Reserve Officer Training Corps (AFROTC)

AFROTC is a nationwide program that allows students to pursue commissions (become officers) in the United States Air Force (USAF) while simultaneously attending college. AFROTC classes are held on college campuses throughout the United States and Puerto Rico; students can register through normal course registration processes. AFROTC consists of four years of Aerospace Studies classes (Foundations of the USAF, Evolution of USAF and Space Power, Air Force Leadership Studies, and National Security Affairs/Preparation for Active Duty), and a corresponding Leadership Laboratory for each year (where students apply leadership skills, demonstrate command and effective communication, develop physical fitness, and practice military customs and courtesies). College students enrolled in the AFROTC program (known as “cadets”) who successfully complete both AFROTC training and college degree requirements will graduate and simultaneously commission as Second Lieutenants in the Active Duty Air Force.

For more information on AFROTC course descriptions, please review this webpage (http://miami.edu). For more information on the AFROTC program, please review this webpage (http://www.as.miami.edu/afrotc).

Enrollment

There is no military obligation to enroll in AFROTC. To enroll students must meet the following criteria:

- Prior to enrolling in Aerospace classes, students must speak with a professor/cadre member at (305) 284-2870.
- Be a U.S. citizen or resident alien, or be able to become a U.S. citizen prior to attending Field Training the summer following sophomore year
- Be full-time college students, enrolled in 12 credit hours per semester
- Be able to participate in a demanding physical fitness program
- Be able to pass a Department of Defense Medical Examination
- Have solid moral character
- Maintain AFROTC minimum required grade point average

Scholarships

More than 60% of Air Force ROTC scholarships are awarded to undergraduate students in engineering or other scientific and technical disciplines. However, students in every degree program enjoy scholarship opportunities, as the Air Force seeks to engage students who excel both academically and militarily. Scholarships are awarded in increments of two, three, and four years. Air Force ROTC offers several types of scholarships. Type 1 covers full tuition and most required fees. Type 2 covers tuition and fees, but is capped at $18,000 annually. Type 7 scholarships are designated for in-state tuition-level institutions. All types of awards provide an allowance for books and a monthly non-taxable stipend. All scholarship cadets are required to meet academic, military, and physical fitness standards to earn and maintain scholarship benefits.

Additionally, University of Miami undergraduates enrolled in the Air Force ROTC program are assured a combined University grant and/or scholarship award during the fall and spring semesters equal to 25% of the University’s tuition charge for a maximum of four years. The subsidy is not available during the summer term. Students must maintain continuous enrollment in the AFROTC program, must maintain satisfactory academic progress to continue receiving the subsidy, and full time enrollment in one of the University’s undergraduate degree programs is required. No application is required. Awards are made automatically based on information provided by the University’s AFROTC detachment.

Benefits

All AFROTC cadets receive uniforms, books and equipment for ROTC classes at no cost. Upon being commissioned a Second Lieutenant in the Air Force, you will receive a starting salary and allowances worth more than $58,000 annually. Free medical and dental care, 30 days paid annual vacation and educational benefits are also part of the compensation package.

1 Based on 2013 Pay Chart and Miami FL Housing Allowance for an O-1

AIS 101. The Foundations of the United States Air Force I. 1 Credit Hour.
Survey course designed to introduce students to the United States Air Force and Air Force Reserve Officer Training Corps. Featured topics include: Air Force heritage, military customs and courtesies, career opportunities, Air Force Core Values, interpersonal communications, and team building. Leadership Laboratory is mandatory for AFROTC cadets and complements this course by providing cadets with followership experiences.
Corequisite: AIS 150.
Components: LEC.
Grading: GRD.
Typically Offered: Fall.

AIS 102. The Foundations of the United States Air Force II. 1 Credit Hour.
Survey and follow on course to AIS101, designed to introduce students to the United States Air Force and Air Force Reserve Officer Training Corps. Featured topics include: Air Force heritage, military customs and courtesies, career opportunities, Air Force Core Values, interpersonal communications, and team building. Leadership Laboratory is mandatory for AFROTC cadets and complements this course by providing cadets with followership experiences.
Corequisite: AIS 150.
Components: LEC.
Grading: GRD.
Typically Offered: Spring.

AIS 150. Leadership Laboratory. 0 Credit Hours.
Leadership Laboratory (LLAB) is a dynamic and integrated grouping of leadership developmental activities designed to meet the needs and expectations of prospective Air Force second lieutenants and complement the AFROTC academic program. It is a student planned, organized, and executed practicum conducted under the supervision of the Detachment 155 Commander and Operations Flight Commander.
Components: LAB.
Grading: CNC.
Typically Offered: Fall & Spring.
AIS 201. The Evolution of USAF Air and Space Power I. 1 Credit Hour.  
Survey and follow-on course to AIS 101/102 designed to examine general aspects of the employment of air and space power through a historical perspective. Historical examples assist in understanding the development of Air Force distinctive capabilities and missions. In addition, the students continue discussing the importance of the Air Force Core Values with the use of operational examples and historical Air Force leaders. Students also continue to develop communication skills. Leadership Laboratory is mandatory for AFROTC cadets and complements this course by providing cadets with followership experiences.  
Corequisite: AIS 150.  
Components: LEC.  
Grading: GRD.  
Typically Offered: Fall.

AIS 202. The Evolution of USAF Air and Space Power II. 1 Credit Hour.  
Continuation of AIS 201 which provides students with knowledge level understanding for general element and employment of air and space power. Discusses the importance of Air Force Core Values with use of operational examples and historical Air Force leaders. Continues to develop communication skills. Leadership Laboratory is mandatory for AFROTC cadets and complements this course by providing cadets with followership experiences.  
Corequisite: AIS 150.  
Components: LEC.  
Grading: GRD.  
Typically Offered: Spring.

AIS 301. Air Force Leadership Studies I. 3 Credit Hours.  
Aerospace Studies 301 teaches cadets advanced skills and knowledge in management and leadership. Special emphasis is placed on enhancing leadership skills. Case studies are used to examine Air Force leadership and management situations as a means of demonstrating and exercising practical application of the concepts being studied. A mandatory Leadership Laboratory complements this course by providing advanced leadership experiences in officer-type activities, giving students the opportunity to apply leadership and management principles.  
Corequisite: AIS 150.  
Components: LEC.  
Grading: GRD.  
Typically Offered: Fall.

AIS 302. Air Force Leadership Studies II. 3 Credit Hours.  
Continuation of AIS 301 and is a study of Air Force personnel and evaluation systems, leadership ethics, and communication skills required of Air Force junior officers. Case studies are used to examine Air Force leadership and management situations. Mandatory Leadership Laboratory complements this course by providing advanced leadership experiences in officer-type activities.  
Corequisite: AIS 150.  
Components: LEC.  
Grading: GRD.  
Typically Offered: Spring.

AIS 401. National Security Affairs/Preparation for Active Duty I. 3 Credit Hours.  
Aerospace Studies 401 is designed to examine national security process, regional studies, advanced leadership ethics, and Air Force Doctrine. Special topics of interest focus on the military as a profession, officer ethics, military justice, civilian control of the military, preparation for active duty, and current issues affecting military professionalism with a continuing emphasis on the refinement of communication skills. A mandatory Leadership Laboratory complements this course by providing advanced leadership experiences in officer-type activities, giving students the opportunity to apply leadership and management principles.  
Corequisite: AIS 150.  
Components: LEC.  
Grading: GRD.  
Typically Offered: Fall.

AIS 402. National Security Affairs/Preparation for Active Duty II. 3 Credit Hours.  
Continuation of AIS 401 which examines regional studies and advanced leadership ethics. Special topics of interest focus on the military as a profession, officer ethics, military justice, preparation for active duty, and current issues affecting military professionalism. Continued emphasis is given to refining communication skills. Mandatory Leadership Laboratory complements this course by providing students advanced leadership experiences.  
Corequisite: AIS 150.  
Components: LEC.  
Grading: GRD.  
Typically Offered: Spring.