

# Department of Aerospace Studies

**Department Head:** Lieutenant Colonel Robert E. Herndon, Jr.

**Location:** Military Science Building, Room 107

**Phone:** (435) 797-8723

**FAX:** (435) 797-8733

**E-mail:** afrotc.det860@usu.edu

**WWW:** <http://www.usu.edu/afrotc/>

## Undergraduate Programs

### Objectives

Air Force ROTC provides educational experiences that develop skills and attitudes vital to the career of an Air Force officer. The purpose of the course is to give an understanding of the mission and the global responsibilities of the United States Air Force. The academic phase develops background in national and international affairs to help understand and evaluate world events.

In addition, the curriculum includes experiences designed to stimulate and develop an interest in the Air Force (e.g., orientation flights and visits to Air Force bases); opportunities to apply the principles of leadership, human relations, management, and staff work in practical situations; and other related experiences.

### Requirements

#### Physical Fitness and Medical

All students must meet the physical fitness and medical standards for general military service.

#### Age Limitations

Pilot and navigator category applicants must enter undergraduate flying training prior to age 30. **AFROTC pilot and navigator candidates must be scheduled for commissioning before reaching 29 years of age.** Other applicants must receive an enrollment allocation before reaching age 30. The maximum age restriction may be waived for individuals scheduled for commissioning after age 34, but prior to age 35. Public Law 88-647 prohibits commissioning or active duty entrance after age 35. By law, scholarship recipients must be under age 31, as of December 31 of the calendar year during which commissioning is scheduled. **Title 10, United States Code, Section 2107 does not provide for waivers.**

#### Academic Requirements

Successful completion of the four-, three-, or two-year Air Force ROTC program is required to be commissioned as a Second Lieutenant in the U.S. Air Force. Aerospace Studies classes are taken in addition to the classes required for a bachelor's degree. In some cases, ROTC classes may be taken in conjunction with a master's degree program. The program taken is based on the number of years remaining until graduation (e.g., a transfer student with two years remaining until graduation would enroll in the two-year program). The courses, along with the normal schedule for taking them for each of the programs, are listed below:

#### Four-Year Program

##### First year:

AS 1010 Introduction to the Air Force Today.....	1
AS 1110 Leadership Laboratory I.....	1
AS 1020 Introduction to the Air Force Today.....	1
AS 1120 Leadership Laboratory I.....	1

##### Second year:

AS 2010 The Evolution of U.S. Aerospace Power .....	1
AS 2110 Leadership Laboratory II.....	1
AS 2020 The Evolution of U.S. Aerospace Power .....	1
AS 2120 Leadership Laboratory II.....	1

##### Third year:

AS 3400 Field Training (4 weeks) .....	1-4
AS 3010 Air Force Leadership and Management .....	3
AS 3110 Leadership Laboratory III.....	1
AS 3020 Air Force Leadership and Management .....	3
AS 3120 Leadership Laboratory III.....	1

##### Fourth year:

AS 4010 National Security Affairs/Preparation for Active Duty.....	3
AS 4110 Leadership Laboratory IV .....	1
AS 4020 National Security Affairs/Preparation for Active Duty.....	3
AS 4120 Leadership Laboratory IV .....	1

#### Three-Year Program

##### First year:

AS 1010 Introduction to the Air Force Today.....	1
AS 2010 The Evolution of U.S. Aerospace Power .....	1
AS 2110 Leadership Laboratory II.....	1
AS 1020 Introduction to the Air Force Today.....	1
AS 2020 The Evolution of U.S. Aerospace Power .....	1
AS 2120 Leadership Laboratory II.....	1

##### Second year:

AS 3400 Field Training (4 weeks) .....	1-4
AS 3010 Air Force Leadership and Management .....	3
AS 3110 Leadership Laboratory III.....	1
AS 3020 Air Force Leadership and Management .....	3
AS 3120 Leadership Laboratory III.....	1

##### Third year:

AS 4010 National Security Affairs/Preparation for Active Duty.....	3
AS 4110 Leadership Laboratory IV .....	1
AS 4020 National Security Affairs/Preparation for Active Duty.....	3
AS 4120 Leadership Laboratory IV .....	1

#### Two-Year Program

##### First year:

AS 3500 Field Training (5 weeks) .....	1-5
AS 3010 Air Force Leadership and Management .....	3
AS 3110 Leadership Laboratory III.....	1
AS 3020 Air Force Leadership and Management .....	3
AS 3120 Leadership Laboratory III.....	1

##### Second year:

AS 4010 National Security Affairs/Preparation for Active Duty.....	3
AS 4110 Leadership Laboratory IV .....	1
AS 4020 National Security Affairs/Preparation for Active Duty.....	3
AS 4120 Leadership Laboratory IV .....	1

#### Summer Training

AS 3500 is a prerequisite for cadets entering the Air Force ROTC two-year program. Training will be given at an Air Force base and will last five weeks. Up to 5 credits may be granted for this training.

All cadets in the three- and four-year programs will attend a four-week summer training camp. Attendance at this camp is usually between the sophomore and junior year at a selected Air Force base. Up to 4 credits may be granted for this training.

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## Leadership Laboratory

A Leadership Laboratory period is required each week during the fall and spring semesters for each year of aerospace studies. Interested students should check the current *Schedule of Classes* for the Leadership Laboratory schedule.

## Minor

A minor in Aerospace Studies may be awarded upon completion of commissioning requirements.

## Veterans

A veteran may apply for the Air Force ROTC program if he or she can complete the program prior to reaching age 30, with a year for year waiver up to age 35 for each year of active duty service. (The waiver does not apply to the maximum age at graduation to enter flight training of 29.) The general military course (first two years) may be waived for prior military service. However, veterans must successfully complete AS 3400 prior to entering the two-year program.

## Commitment

Most officers have a four-year commitment. However, pilots have a commitment of ten years after pilot training, and navigators have a commitment of six years after their training. Air battle managers have a six-year commitment.

## Future Educational Benefits

During the senior year, a cadet may request a delay to active duty to continue studies toward a graduate degree. The length of the delay depends upon the student's request and the Air Force needs.

Through a variety of Air Force programs, officers may continue their education after going on active duty. Most bases have extensive on-base graduate college programs. The Tuition Assistance Program will pay 100 percent of tuition costs. ROTC graduates may also be eligible for the Montgomery GI Bill.

The Air Force Institute of Technology provides full-time graduate study for selected officers. Some classes are taught in residence at the institute's campus at Wright-Patterson Air Force Base in Ohio, and others are taught at civilian universities.

Many officers make the Armed Forces their career, but some use the skills and training obtained in military service for civilian jobs. Most private businesses and government agencies require the same basic skills that are needed for jobs in military service. Air Force training and experience provide excellent leadership skills and can be a valuable asset in obtaining civilian employment.

## Additional Information

For additional details about requirements for the Aerospace Studies program, see the major requirement sheet, which can be obtained from the department, or accessed at:  
<http://www.usu.edu/majorsheets/>

## Scholarships and Financial Opportunities

Air Force ROTC scholarships are available on a competitive basis in four-, three-, and two-year awards. These scholarships provide up to full tuition, laboratory and incidental fees, plus a \$900-per-year allowance for textbooks. The High School Scholarship Program (IHSSP) for high school students is announced annually through the Air Force ROTC website at: <http://www.afrotc.com/>. This website

contains information regarding eligibility requirements and application procedures, as well as an online application. **Generally, students *must use the online application*.** If this is not possible, HQ AFROTC/DOR will work out an alternative application plan on a case-by-case basis. Students must apply by December 1 of their senior year in high school. Once a scholarship has been awarded, students must maintain a 2.5 GPA in order to avoid loss of scholarship entitlements.

**In College Scholarship Program (ICSP) (2.5 GPA):** The ICSP is open to college freshmen and sophomores in any major. The program is divided into two selection phases and awards Type 2 (tuition capped at \$18,000 per year), Type 3 (tuition capped at \$9,000 per year), or Type 6 (tuition capped at \$3,000 per year) scholarships for two or three years.

**ICSP Phase One:** This phase is open *only* to students enrolled in the Air Force ROTC program. Eligible applicants are nominated for this phase by the detachment commander. Nominees are rank-ordered based on their leadership abilities, grades, fitness, and overall participation in the Air Force ROTC program. The nomination deadline is between January 15 and January 30 of each year. All cadets selected through this program are awarded a Type 2 scholarship. Freshman nominees are awarded a three-year scholarship, and sophomores receive a two-year scholarship. All scholarships are activated for the following fall semester.

**ICSP Phase Two:** This phase is open to college freshmen and sophomores in any major. ICSP Phase One nonselects and students not enrolled in AFROTC are eligible to apply. Eligible applicants are nominated for ICSP as indicated above. Students *not enrolled* in AFROTC must be interviewed by the detachment commander or by his or her designee. The deadline for detachments to submit a nomination is June 30. The board meets in July, and those selected are typically notified by August 1. Most students selected receive a Type 3 scholarship. Depending on officer production and funding, a limited number of qualified sophomore ICSP Phase 2 nonselects may be offered Type 6 scholarships. This process takes place at the same time as ICSP Phase Two.

## In-College Commander's Leadership Scholarship (ICLS):

In addition to awarding the competitive scholarships, detachment commanders may award one noncompetitive scholarship to a fully qualified first-year student following the fall semester. This scholarship may be activated for the spring semester. Depending on funding, commanders may award additional ICLS scholarships.

All students on contract (either on an Air Force ROTC scholarship or contracted in the POC) receive a tax-free stipend of \$300-500 for each month during the school year.

## Uniforms and Texts

All Air Force ROTC texts and uniforms are furnished at no expense to the student.

## Miscellaneous Information

### Career Opportunities

To meet the challenges, keep up with technological advancements, and explore the opportunities of the ever-broadening horizons in the aerospace age, officers possessing a variety of skills are required by the Air Force. Interested students should contact the Aerospace Studies Department for information on the Air Force career opportunities related to their academic major.

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## Aerospace Studies Faculty

### Professor

*Lt. Colonel Robert E. Herndon, Jr.*

### Assistant Professors

*Major Kirstin L. Plagge, Commandant of Cadets*

*Captain Kregg A. Smith, Unit Admissions Officer*

### NCOIC, Knowledge Ops Mgmt

*Staff Sergeant Chad V. Villanueva*

### NCOIC, Personnel

*Technical Sergeant Allan L. Arcia*

## Course Descriptions

Aerospace Studies (AS), [click here](#)