
Aerospace Studies (Air Force ROTC)

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Admission to Program

Students must be accepted by the department into the program.

The Discipline

The Air Force Reserve Officer Training Corps (AFROTC) is an educational program designed to provide students the opportunity to become Air Force officers while completing requirements for an undergraduate or graduate degree. Four-year and three-year programs are available for both men and women.

Career Opportunities

Officer in the United States Air Force.

General Information

Textbooks, Uniforms, and Allowance. All textbooks, uniforms, and uniform accessories are furnished by the Air Force, in addition to the tax-free allowance of \$350 to \$400 per month furnished to those in the Professional Officer Course (POC) program.

Air Force ROTC Scholarship Program. Full tuition assistance is available to students in the three-year or four-year program based on merit. By law, scholarship recipients must be under age thirty-one as of December 31 of the calendar year during which commissioning is scheduled. The scholarship includes tuition, fees, textbook allowance, and \$250 per month for freshmen, \$300 per month for sophomores, \$350 per month for juniors, and \$400 per month for seniors. Contact the department for application procedures.

Foreign Language Express Scholarships. In order to meet critical Air Force officer accession goals, the Air Force is now offering Foreign Language Express Scholarships. The program is currently open to students who will graduate December 2007 through August 2009 and who are majoring in or have an emphasis in one of twenty-three critically needed languages. Please contact the department for more details.

Field Training. All cadets wishing to enter the Professional Officer Corps (last two years) must attend a field training camp during the summer prior to their junior year. This training gives an increased understanding of the Air Force mission and operation. Students receive practical experience in leadership and management while residing on an Air Force base. At field training students receive career orientation, junior officer training, aircraft and aircrew indoctrination, survival skills, physical training, and weapons experience and learn about the function of an Air Force base.

Medical care, housing, food, and uniforms, as well as transportation to and from the training base, are provided. Approximately \$500 in pay is received for four-week training and \$625 for six-week training.

Extracurricular Activities. Each Air Force ROTC student will be able to participate in a variety of extracurricular activities, including the Arnold Air Society, the color guard, and the honor guard. Selected cadets may also participate in summer programs such as the career-field shadow program or airborne training (parachute jump school).

LDS Missions. Students who desire to serve a Church mission should do so between their freshman and sophomore years. This will facilitate entrance into the advanced course. Scholarship students may have their scholarship held while they fulfill a mission as long as they do so before entering the advanced program.

Fifth-Year Cadets. Four-year-program students in Air Force ROTC who are in a five-year university program are allowed a year of completed status after their senior AFROTC courses. Out-of-phase students and those who will be student teaching should consult with the department chair.

Discipline. Disciplinary training in the cadet corps is formulated and administered by the student officers. Air Force ROTC students are civilians and are not subject to military law.

Veterans. A veteran seeking a commission through Air Force ROTC may have part or all of the freshman and sophomore program waived. Allowances are paid in addition to G.I. Bill benefits.

Program Requirements

Four-Year Program

The more popular and preferred program is the traditional Four-Year Program. Interested freshmen register for aerospace studies in the fall term, enrolling in aerospace studies courses in the same manner as for other college courses. There is *no military obligation* for the first two years of Air Force ROTC unless on an Air Force ROTC scholarship. During this time students learn more about the Air Force and the historical development of air power. After completing the first two years, known as the General Military Course (GMC), students may *compete* for entry into the last two years, the Professional Officer Course (POC). If accepted, students will attend a four-week summer field training encampment between their sophomore and junior years before entering the POC. Cadets in the POC study leadership, management, and national defense policy while receiving a nontaxable subsistence allowance of \$350 for juniors and \$400 for seniors each month.

Three-Year Program

Students entering the program as sophomores can “dual enroll” in both the Aeros 100 and 200 academics simultaneously. These students only enroll in the 200-series labs. If accepted, students will attend a four-week field training the next summer.

Qualifications

1. Be a United States citizen.
2. Be a full-time student.
3. Be eighteen years of age, or seventeen years of age with parent's or legal guardian's consent.
4. Be physically qualified.
5. Be of good moral character.
6. Be in good academic standing.
7. Successfully pass the Air Force Officer Qualifying Test.
8. Be interviewed and selected by a board of Air Force officers.
9. Complete all commissioning requirements as follows:
 - a. Pilot or navigator candidate: Complete before age twenty-nine so as to enter undergraduate pilot/navigator training before age thirty.
 - b. Scholarship recipient: Complete before age thirty-one in eligible year of commissioning.
 - c. Nonscholarship recipient: Complete before age thirty-five.

Required Courses

1. General Military Courses: complete the following:
Aeros 100, 101, 110, 200, 201, 210, 211.
2. Professional Officer Courses: complete the following:
Aeros 300, 301, 310, 311, 400R, 401R, 410, 411.

Minor Aerospace Studies (14 hours)

Students desiring aerospace studies as a minor must complete the 14 hours of POC course work and the Air Force ROTC requirements, as well as qualify for a commission in the United States Air Force.

Aerospace Studies (Aeros)

Undergraduate Courses

- 100, 101. Leadership Laboratory—Freshmen.** (0.5:0:2 ea.) F, W
Basic fundamentals of military leadership—drill, courtesy, planning, and organizing at various levels of responsibility.
- 110. The Air Force Today.** (1:2:0) F Prerequisite: concurrent enrollment in Aeros 100.
Development, organization, and core values of the U.S. Air Force, emphasizing the foundations of officership.
- 111. Aerospace Defense, General Purpose, and Support Forces.** (1:2:0) W Prerequisite: concurrent enrollment in Aeros 101.
U.S. Air Force Major Command structure and the origins of the Air Force.
- 200, 201. Leadership Laboratory—Sophomores.** (0.5:0:2 ea.) F, W
As listed for Aeros 100/101. Increased emphasis on performance level.
- 210. The Developmental Growth of Air Power.** (1:1:0) F
Prerequisite: concurrent enrollment in Aeros 200.
Development of various concepts of air power employment, emphasizing factors that have prompted research and technological change through the early 1960s.
- 211. The Developmental Growth of Air Power.** (1:1:0) W
Prerequisite: concurrent enrollment in Aeros 201.
Development of various concepts of air power employment, emphasizing factors that have prompted research and technological change from Vietnam to the present.
- 300, 301. Leadership Laboratory—Juniors.** (0.5:0:2 ea.) F, W
As listed for Aeros 100/101. Students perform as cadet officers. Emphasis on leadership development.
- 305R. Leadership Laboratory—Honor Guard.** (1:0:3 ea.) F, W
Prerequisite: instructor's consent.
Fundamentals of military leadership and drill with the M-1 rifle; emphasizes need for response to vested authority, with opportunity to develop confidence, military bearing, and other interpersonal skills; students perform as cadet leaders.
- 310. Management and Leadership.** (3:3:0) F Prerequisite: concurrent enrollment in Aeros 300.
Writing, speaking, and listening as communication skills; management concepts; responsibilities and ethics for an Air Force junior officer.
- 311. Management and Leadership.** (3:3:0) W Prerequisite: concurrent enrollment in Aeros 301.
Principles of leadership, problem solving, decisions, discipline, and human relations. Emphasis on career planning as an Air Force junior officer.
- 399R. Academic Internship: Leadership Intern Program.** (4:0:0) Sp, Su Recommended: Aeros 201 or 301.
Air Force ROTC field leadership training course. Provides advanced fundamentals of military leadership, planning, organizing, and team building at various levels of responsibility. Enrollment limited to Air Force ROTC cadets.
- 400R, 401R. Leadership Laboratory—Seniors.** (0.5:0:2 ea.) F, W
As listed for Aeros 100/101. Senior cadets perform in leadership positions in planning and conducting all activities of the cadet corps.
- 410. National Security Affairs.** (3:3:0) F Prerequisite: concurrent enrollment in Aeros 400R.
Civilian control of military, civil-military interaction, the forming of defense strategy. Military profession; Russia, Europe, and East Asia regional studies.
- 411. National Security Affairs.** (3:3:0) W Prerequisite: concurrent enrollment in Aeros 401R.
Africa, Middle East, and Latin American regional studies; military operation other than war; military justice system; officer professional development.

Aerospace Studies Faculty

Professor

Jacobs, Gordon J. (2006) BS, Baptist Coll., 1982; MBA, St. Martins, 1988.

Assistant Professors

Drollette, Edward H. (2005) BS, U. of Maryland, 1991; MS, Air Force Institute of Technology, 2002.
Hopkinson, Russell H. (2006) BS, Brigham Young U., 1986; MS, Embry Riddle Aeronautical University, 1994.
Millett, Timothy (2006) BS, Utah State U., 1992; MS, Troy State U., 2002.
Shaw, Christopher (2006) BS, U. of New Mexico, 1998.
Walker, Christopher (2004) BS, Brigham Young U., 1998; MS, U. of Alaska, Anchorage, 2003.

Afrikaans

See Germanic and Slavic Languages.

Agronomy and Horticulture

See Plant and Animal Sciences.

Akan

See Center for Language Studies.

Albanian

See Center for Language Studies.

Arabic

See Asian and Near Eastern Languages.