

College of Arts and Sciences – Departments

Aerospace Studies (AERO)

Skierski (chair), Cubstead, Montgomery

Aerospace Studies is the official designation of the Air Force Reserve Officer Training Corps (AFROTC) program of instruction. Aerospace Studies is a dynamic college discipline designed to give female and male students an opportunity to concurrently complete ROTC coursework with degree coursework so that participants qualify for commissions in the United States Air Force as they complete their bachelor's degree requirements. Cadets are commissioned as second lieutenants upon graduation. Coursework offers students the occasion to widen their perspective; sharpen their sense of responsibility; develop their ability to organize, motivate, and lead others; and acquire a maturity of judgment that can be a source of strength and self-confidence throughout their careers.

The Aerospace Studies program does not require a student to major in any certain field, but rather, complements the academic major of choice. It is possible to minor in Aerospace Studies and use Aerospace Studies courses as elective credits. These courses are offered at St. Thomas, but students at any of the five Associated Colleges of the Twin Cities (ACTC) consortium – St. Thomas, St. Catherine, Augsburg, Hamline, and Macalester – may take the courses. Through cross-town agreements, students at Bethel, Concordia, North Central University, Northwestern, William Mitchell, Anoka-Ramsey, Inver Hills, Century, Normandale, North Hennepin, and the University of Wisconsin-Stout may also take aerospace studies courses.

The aerospace studies curriculum is divided into two phases: the General Military Course (GMC) in the freshman and/or sophomore years, and the Professional Officer Course (POC) in the junior and senior years. Cadets in the GMC have no service commitment whatsoever, unless they receive an Air Force ROTC scholarship. Students must voluntarily apply for the POC. Currently, all POC cadets are obligated to serve as an officer for a minimum of four years on active duty after commissioning, depending on the career field to which they are assigned.

An integral part of all aerospace studies classes is Leadership Laboratory. Instruction is conducted within the framework of an organized cadet corps with a progression of experiences designed to develop leadership potential. Leadership Laboratory involves a study of Air Force customs and courtesies, drill and ceremonies, career opportunities in the Air Force, and the life and work of an Air Force junior officer. Leadership potential is developed in a practical, supervised laboratory.

The Air Force offers four-, three-, two- and one-year college scholarships. See “Scholarships not awarded by the university” in the Financial Services section of this catalog.

Most students complete Air Force ROTC via the four-year program, during which both the GMC and the POC are completed. If a student does not enroll in the freshman year, both the freshman and sophomore classes can be taken during the sophomore year. This is followed by a four-week field training session at an active-duty Air Force base, normally between the sophomore and junior years. Students in the program receive a salary and room and board while at field training.

In the summers between the freshman and sophomore, and the junior and senior years, the student may opt to go on an internship in a chosen career field at an active Air Force base. All advanced training is paid by the Air Force.

If the student does not enroll in Air Force ROTC until spring semester of the sophomore year, a commission can be earned through the two-year program. However, the student will attend a six-week field training session instead of the four-week session. The extra two weeks provide the academic training that would have been received in the GMC. Upon successful completion of the six-week field training session, the cadet may enter the POC to complete the remaining two years. The student is still eligible for the internships and advanced training in the junior year, and can compete for a scholarship.

St. Thomas offers its students who are winners of Air Force ROTC scholarships up to full subsidy (room and board and remaining tuition) on almost every Air Force ROTC scholarship awarded. For information on Air Force scholarships, call the AFROTC Unit Admissions Officer at 651-962-6329.

The Minor in Aerospace Studies is open to all undergraduate students at the University of St. Thomas. Students need not also enroll in Air Force ROTC. If they choose to take AERO classes without also enrolling in Air Force ROTC, they are not eligible to take the second option listed below. Also, these students are excused from the accompanying Leadership Laboratories. However, a student who enrolls in AERO courses without also enrolling in Air Force ROTC may participate in Leadership Laboratory if s/he would otherwise be eligible for Air Force ROTC, with approval from the department chair. Further, if a student did not complete the Leadership Laboratories and later wished to enroll in AFROTC, s/he must make up the missed Leadership Laboratories.

While the courses are intended to be taken sequentially, students may complete the minor by taking more than one AERO class per term, with the permission of the department chair.

All of the coursework generally contributes to and enhances the human diversity objectives of the university. Additionally, AERO 321, 322, 421, and 422 also enhance the university's computer competency goals, particularly in their requirement for submission of written papers and verbal presentations requiring visual aids (computer generated, for the most part).

Minor in Aerospace Studies

Student must complete twenty credits. This requirement must be accomplished by completing one of the following sequences:

111 Foundations of the United States Air Force I (1 credit)

- 112 Foundations of the United States Air Force II (1 credit)
- 211 Evolution of USAF Air and Space Power I (1 credit)
- 212 Evolution of USAF Air and Space Power II (1 credit)

or

- 250 Six-Week Field Training*
*Open only to students enrolled in Air Force ROTC

Plus:

- 321 Air Force Leadership Studies I
- 322 Air Force Leadership Studies II
- 421 National Security Affairs I
- 422 National Security Affairs II

111 Foundations of the United States Air Force I 1 credit

This course introduces students to the United States Air Force and Air Force Reserve Officer Training Corps. Featured topics include: mission and organization of the Air Force, officership and professionalism, military customs and courtesies, Air Force officer opportunities, and an introduction to communication skills. Leadership Laboratory is mandatory for AFROTC cadets and complements this course by providing cadets with followership experiences.

112 Foundations of the United States Air Force II 1 credit

Continuation of 111
Prerequisite: 111 or permission of instructor

211 Evolution of USAF Air and Space Power I 1 credit

This course examines general aspects of air and space power through a historical perspective. Utilizing this perspective, the course covers a time period from the first balloons and dirigibles to the space-age global positioning systems of the Persian Gulf War. Historical examples are provided to extrapolate the development of Air Force capabilities (competencies), and missions (functions) to demonstrate the evolution of what has become today's USAF air and space power. The course also examines several fundamental truths associated with war in the third dimension: e.g. Principles of War and Tenets of Air and Space Power. As a whole, this course provides the students with a knowledge level understanding for the general element and employment of air and space power, from an institutional, doctrinal and historical perspective. In addition, the students will continue to discuss the importance of the Air Force Core Values with the use of operational examples and with historical Air Force leaders and will continue to develop their communication skills. One class-hour per week, plus a weekly 1.5 hour Leadership Laboratory consisting of Air Force customs and courtesies, Air Force environment, drill and ceremonies, and field training orientation.

Prerequisite: 112 or permission of instructor

212 Evolution of USAF Air and Space Power II 1 credit

Continuation of 211
Prerequisite: 211 or permission of instructor

250 Six-Week Field Training (111, 112, 211, 212)

Training and evaluation on an Air Force base during the summer. Training is designed 1) to fulfill the course goals of the General Military Course (GMC) normally taken during the regular school year; 2) the experience is designed to develop military leadership and discipline, provide AF officership training, orientation and motivation, and determine officer potential. These objectives are provided to conform to the standards of a structured military environment as well as teach the participant how an Air Force base operates. The syllabus provides a minimum of 370 hours of scheduled activities – 170 hours of total core curriculum hours consisting of Air Force orientation, leadership training, and officership training. Additional hours are required for Flight Training Officer Time (FTOT) and cadet meetings, *etc.* Required for all two- and one-year program cadets prior to entry into 321.

321 Air Force Leadership and Management Studies I

This course is a study of leadership, management fundamentals, professional knowledge, Air Force personnel and evaluation systems, leadership ethics, and communication skills required of an Air Force junior officer. 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 of this course.

Prerequisite: 212 or 250

322 Air Force Leadership and Management Studies II

Continuation of 321.
Prerequisite: 321 or permission of instructor

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421 National Security Affairs I

This course provides future Air Force officers with a background in the national security process, regional studies, advanced leadership ethics, and Air Force doctrine. Special topics of interest focus on the military as a profession, officership, military justice, civilian control of the military, preparation for active duty, and current issues affecting military professionalism. Within this structure, continued emphasis is given to refining communication skills. A mandatory Leadership Laboratory complements this course by providing advanced leadership experiences, giving students the opportunity to apply the leadership and management principles of this course.

Prerequisite: 322 or permission of instructor

422 National Security Affairs II

Continuation of 421.

Prerequisite: 421

Cadet Internship Program

Offered during the AERO 422 semester, students can participate in an internship program with the 934th Airlift Wing, Air Force Reserve Command. This internship program's purpose is to demonstrate leadership and management skills through advanced leadership experiences. The students are matched with mentors from the 934th Airlift Wing and assigned specific projects, usually in career fields the students are most interested in pursuing in the active duty Air Force. This is a 40-hour program that replaces Leadership Laboratory credit for the semester; participation is limited and strictly voluntary.

The following courses allow students to gain credit for certain non-classroom experiences. Permission of department chair is required. A maximum of three credits may be applied, two of which must be from 450, Four-Week Field Training (FT), except for cadets participating in 451, Cadet Training Assistant (CTA), who are able to accrue a maximum of five credits of non-classroom experiences toward the 132 credits required for graduation. Graded on S-R basis.

450 Four-Week Field Training

2 credits

Training and evaluation on an Air Force base during the summer. The experience is designed to develop military leadership and discipline, provide AF officership training, orientation and motivation, and determine officer potential. These objectives are provided to conform to the standards of a structured military environment as well as teach the participant how an Air Force base operates. The syllabus provides for a minimum of 270 hours of scheduled activities—157 hours of total core curriculum hours consisting of Air Force orientation, leadership training, and officership training. Additional hours are required for Flight Training Officer Time (FTOT) and cadet meetings, *etc.*

Prerequisite: 212

451 Cadet Training Assistant (CTA)

2 credits

A cadet who previously completed Field Training and who successfully competes to be assigned as a staff member in a 4- or 6-week field Training. Discharges staff responsibilities to meet the objectives described in AERO 450.

452 Professional Development Training (PDT)

1 credit

The objective of PDT is to provide opportunities to cadets to gain knowledge and appreciation for the human relations and leadership challenge encountered by junior Air Force officers. Further, the program is designed to motivate cadets in their pursuit of an Air Force career. Normally open to junior and senior contracted cadets who have completed Field Training. However, selected AERO 100 cadets may participate in some of the PDT programs.

Art History (ARTH)

Webster (chair), Becker, Eliason, Stansbury-O'Donnell, Nordtorp-Madson, Sheehy, Welch, Young

The visual arts constitute the physical legacy of past as well as present civilizations. Whether in the form of painting, sculpture, architecture, pottery, textiles, photography, or other media, they express the myths, beliefs, and structures of society, allowing us to glimpse the vision of the individuals and culture who created the works. Understanding the art and artifacts of earlier times and of other cultures gives us greater insight into our own culture and its legacy.

The art history program offers a comprehensive, chronological and geographical exploration of the arts and architecture of the western and non-western worlds. Courses include an emphasis upon the critical evaluation and analysis of works of art, and exploration of the cultural, social, political, and religious contexts behind the arts, and an examination of the broader relationships between different arts and cultures.

With its interdisciplinary approach, an undergraduate art history major is an important part of liberal arts studies. It includes a wide-ranging knowledge of mythological and religious beliefs and draws parallels to historical, literary, theological, and technological developments of a period. It also develops analytical thinking and writing skills through research papers and projects.

Students graduating with a major in art history should have a broad and general knowledge of the history of art, including western and non-western cultures. They should be able to define and carry out a major research project. They should be able to present an art historical topic in an oral format.