



Duluth Campus

Aerospace Studies Minor

Aerospace Studies

Swenson College of Science and Engineering

- Program Type: Undergraduate free-standing minor
- Requirements for this program are current for Fall 2021
- Required credits in this minor: 34 to 38

The Air Force Reserve Officer Training Corps (AFROTC) is a college-level educational program that gives students the opportunity to become Air Force officers while completing their degrees. Any student may enroll in aerospace studies courses. AFROTC offers post-collegiate opportunities in more than 100 career specialties. Air Force officers are challenged with organizational responsibilities and experiences not often available to new college graduates. This program is for students who want to challenge themselves as Air Force leaders and managers while serving their country in a professional, high-tech environment.

Active-duty Air Force officers provide a curriculum that gives students insight into the mission, organization, and operation of the U.S. Air Force. Students study Air Force history, leadership, management, professionalism, and U.S. foreign policy and its relationship to defense policy. Scholarships are available on a competitive basis. High school seniors and college students can compete for four-, three-, and two-year scholarships that cover tuition, fees, and book expenses. Participants may qualify to receive a tax-free allowance for each month in school.

The aerospace studies minor provides preparation in areas studied by most officers early in their service careers. The minor increases future officers' performance potential in two areas in which all officers must eventually develop competence: communication skills and international affairs.

Program Delivery

This program is available:

- via classroom (the majority of instruction is face-to-face)

Minor Requirements

Lower Division (11 - 14 cr)

ROTC Lead Lab

Air 1000, must be taken while enrolled in ROTC. May be taken one to four times. One credit each completion.

Take 1 - 4 credit(s) from the following:

- [AIR 1000](#) - AFROTC GMC Lead Lab (1.0 cr)

ROTC Core

[AIR 1101](#) - Heritage and Values (1.0 cr)

[AIR 1102](#) - Heritage and Values (1.0 cr)

[AIR 2101](#) - Team and Leadership Fundamentals (1.0 cr)

[AIR 2102](#) - Team and Leadership Fundamentals (1.0 cr)

Communication

[COMM 1112](#) - Public Speaking [LE CAT, COMM & LAN] (3.0 cr)

or [COMM 1222](#) - Interpersonal Communication [LE CAT, LECD C, COMM & LAN] (3.0 cr)

Mathematics

Take 3 or more credit(s) from the following:

- MATH 1xxx
- MATH 2xxx

POC Lead Lab (8 cr)

Take 4 or more course(s) totaling 8 or more credit(s) from the following:

- [AIR 3001](#) - AFROTC POC Lead Lab (2.0 cr)

ROTC Upper Division Core (12 cr)

[AIR 3101](#) - Leading People and Effective Communication (3.0 cr)

[AIR 3102](#) - Leading People and Effective Communication (3.0 cr)

[AIR 4101](#) - National Security Studies (3.0 cr)

[AIR 4102](#) - Leadership Responsibilities (3.0 cr)

Electives (3 - 4 cr)

The history and political science courses must be approved by department head.



Take 1 or more course(s) totaling 3 - 4 credit(s) from the following:

- [AIR 1591](#) - Leadership Practicum (1.0 - 4.0 cr)
- [AIR 3591](#) - Leadership Practicum (1.0 - 4.0 cr)
- [GEOG 4393](#) - Political Geography (3.0 cr)
- POL 3xxx
- HIST 2xxx
or HIST 3xxx