Aviation

Community and Technical College (https://www.ctc.uaf.edu/)
Aviation Program
907-455-2800

Department Overview

The aviation programs at the UAF Community & Technical College (https://www.ctc.uaf.edu/) offer certificate and associate degree programs that prepare students for careers in aviation maintenance and professional piloting.

Learn more about the Aviation Maintenance (https://www.ctc.uaf.edu/programs/aviation-maintenance/) and Professional Piloting (https://www.ctc.uaf.edu/programs/piloting-professional/) programs, including an overview of the program, career opportunities, and more.

A.A.S., Certificates, Aviation Maintenance

Aviation maintenance offers an A.A.S. degree and certificates in three areas: airframe, powerplant, or airframe and powerplant.

Students who receive a certificate in airframe and powerplant may elect to complete the A.A.S. degree in aviation maintenance to enhance their employability.

Students in the airframe and powerplant certificate program may complete requirements for the Federal Aviation Administration mechanic's certificate with both airframe and powerplant ratings in as little as one year. The aviation maintenance program covers many subject areas, but it places special emphasis on those skills most sought after in the Alaska job market. Through classroom and hands-on laboratory instruction, this intensive curriculum prepares students for entry into the aviation field. Graduates who pass the FAA examinations for the airframe and powerplant ratings usually qualify for entry-level positions in the maintenance, repair, overhaul and modification of aircraft.

Students interested in qualifying for an FAA airframe mechanic's certificate may choose to earn only the airframe certificate. Those who wish to qualify for an FAA powerplant mechanic's certificate may choose to earn only the powerplant certificate.

Admission to the airframe and powerplant programs is at the discretion of the program faculty and requires an interview with the faculty advisor. The program normally starts around the end of August of each year.

Minimum Requirements for Airframe and Powerplant Certificates: 40-60 credits; for Aviation Maintenance Degree: 75 credits

A.A.S., Professional Piloting

The professional piloting program offers a series of aviation piloting courses ranging from ground school classes for private through commercial flying, Arctic survival, weather and aircraft maintenance. Rated pilots or military aviators may be eligible for credit based upon experience and FAA certificates, which may be applied towards an Associate of Applied Science degree in professional piloting or a minor in aviation technology. See department personnel for details. UAF does not offer flight instruction.

Minimum Requirements for Professional Piloting A.A.S. Degree: 60 credits

O.E.C., Unmanned Aircraft Operations

The Unmanned Aircraft Operations Operational Endorsement program prepares students to take the FAA Remote Pilot Certificate under the FAA Small UAS Rule (107). Additionally, the OEC will provide students with skills to operate small unmanned aircraft in a safe and structured manner and provide troubleshooting and repair methods and techniques.

Minimum Requirements for Unmanned Aircraft Operations Operational Endorsement: 17 credits

Programs

Degrees

- A.A.S., Aviation Maintenance (https://catalog.uaf.edu/associates/aviation-maintenance/)
- A.A.S., Piloting, Professional (https://catalog.uaf.edu/associates/piloting-professional/)

Occupational Endorsement


Certificates

- Certificate, Airframe (https://catalog.uaf.edu/certificates/airframe/)
- Certificate, Airframe and Powerplant (https://catalog.uaf.edu/certificates/airframe-powerplant/)
- Certificate, Powerplant (https://catalog.uaf.edu/certificates/powerplant/)

Minor

- Minor, Aviation Technology (https://catalog.uaf.edu/minors/aviation-technology/)