

We put aviation education on the map...for you.





You can get a *quality, affordable* aviation education right here in Minnesota!

Let your aviation career take off with a quality education at an affordable price from a Minnesota college or university. Choose a career path and find the schools that offer your program. Information about contacting each school is listed on the back of this brochure. For more information, visit our website at www.avcollege.info where you can find schools by location or career field.

Aviation Maintenance Technicians



Aviation Maintenance Technicians keep aircraft in safe flying condition and are responsible for having a detailed knowledge of all the systems on the aircraft. Aviation maintenance technicians may be sitting at computers translating technical data, replacing a reciprocating or turbine engine, or making a repair that maintains the structural integrity of a fuselage. Rapidly changing aircraft technology means that technicians are constantly updating their skills and knowledge to maintain aircraft in safe flying condition.

Aviation Maintenance Technician education is offered at:

- Minneapolis Community and Technical College
- Northland Community and Technical College
- Minnesota State College-Southeast Technical

Non-Destructive Testing education is offered at:

- Ridgewater College, Hutchinson Campus

Professional Pilots



Professional Pilots are in command of the plane and are responsible for the safety of the aircraft and its passengers, crew, and cargo. A pilot plans each flight, flies the plane, and supervises the crew during the flight. He or she also performs ground duties such as filing flight plans, working on reports, briefing crews, and attending training classes. There are many types of pilot careers available.

Professional Pilot education is offered at:

- Anoka Technical College
- Central Lakes College
- Inver Hills Community College
- Lake Superior College
- Minnesota State University, Mankato
- Minnesota West Community and Technical College
- Ridgewater College, Willmar Campus
- St. Cloud State University
- University of Minnesota, Crookston
- Winona State University

Air Traffic Controllers



Air Traffic Controllers have been described as the guardians of the airways. Using both radar and visual information, their job function is to direct air traffic so it flows smoothly, efficiently, and, above all, safely. Tower controllers work from airport towers, while en route controllers keep the aircraft traveling along airways. Flight service specialists provide pilots with weather information, suggested routes, terrain details, and other information on that station's particular area.

Air Traffic Control education is offered at:

- Anoka Technical College
- Inver Hills Community College
- Minneapolis Community and Technical College

Aircraft Dispatchers



Aircraft Dispatchers work with pilots to create flight plans that enable aircraft to arrive at their destinations on schedule carrying the maximum payload while expending the least operating cost. The dispatcher must consider weather conditions, safety, regulations, personnel, and economy while making quick decisions about flight plans. In addition, flight dispatchers monitor the progress of flights until an aircraft lands safely.

Aircraft Dispatch education is offered at:

- **Anoka Technical College**

Aviation Management

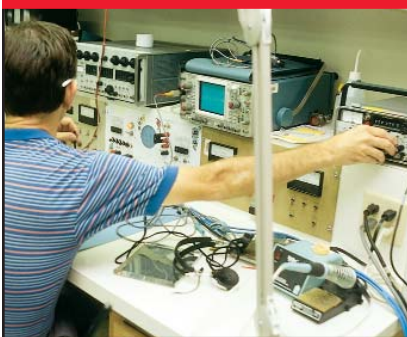


Aviation Managers can have diverse responsibilities depending on which career track they choose. There are operational and support-based aviation management opportunities with large commercial carriers, at airports, and with smaller fixed-base operators. There are also careers in business aviation and aircraft manufacturing. Most aviation managers are responsible for overseeing the day-to-day operations of their department. They use business principles to manage staff, make budget decisions, and market products and services.

Aviation Management education is offered at:

- **Anoka Technical College**
- **Inver Hills Community College**
- **Lake Superior College**
- **Metropolitan State University, First College**
- **Minnesota State University, Mankato**
- **St. Cloud State University**
- **Winona State University**
- **University of Minnesota, Crookston**

Aircraft Electronics

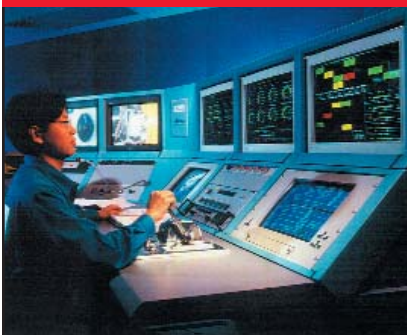


Aircraft Electronics, or Avionics, is the installation, calibration, and repair of electronic equipment on an aircraft. Today's aircraft depend on sophisticated electronic equipment to help monitor the systems. An avionics or electronics specialist may work on equipment in an aircraft or they may work in a repair shop on equipment that has been removed from the aircraft and sent to them for repair. Duties include routine maintenance, troubleshooting, replacing faulty components, tracing circuitry, and aligning and adjusting repaired equipment.

Aircraft Electronics/Avionics education is offered at:

- **Minneapolis Community and Technical College**
- **Northland Community and Technical College**

Aerospace Engineers



Aerospace Engineering is a multidisciplinary field that encompasses many areas of science and engineering and plays a major role in the technological advancement of society. As a constantly changing profession, aerospace engineering is concerned with a wide range of problems and the latest technologies. For this reason, aerospace engineers pursue a comprehensive fundamental education in mathematics, physical sciences, and engineering sciences. During their training and their careers, aerospace engineers will obtain knowledge of aerodynamics, aerospace materials, structures, propulsion, flight mechanics, orbital mechanics, flight control and an understanding of the application of these disciplines to the analysis and design of aerospace vehicles and systems.

Aerospace Engineering education is offered at:

- **University of Minnesota, Minneapolis**

