

The Ninety-Nines, Inc.,<sup>®</sup> International Organization of Women Pilots<sup>®</sup>

# Aviation Adventure Guide

## Module 11 - Aviation Careers



# Module 11

## Aviation Careers



# Non-Pilot

You don't have to be a pilot to have an aviation career. There are careers in many fields including: Aerospace, Manufacturing, Non-flying airline careers, Airports, the Federal Aviation Administration and the US military. Here are a few examples in each field.

**Aerospace engineering** is the primary field of engineering concerned with the development of aircraft and spacecraft. It has two major and overlapping branches: aeronautical engineering and astronautical engineering. Avionics engineering is similar, but deals with the electronics side of aerospace engineering.



A fighter jet engine undergoing testing.  
The tunnel behind the engine allows noise and exhaust to escape.

## Aerospace Careers

**Aeronautical Drafter**

**Aerospace Engineer**

**Aerospace Engineering and Operations Technicians**

**Aerospace Manufacturing and Assembly**

**Aeronautical and Astronautical Systems Design**

**Airframe Equipment and Engine Assembly**

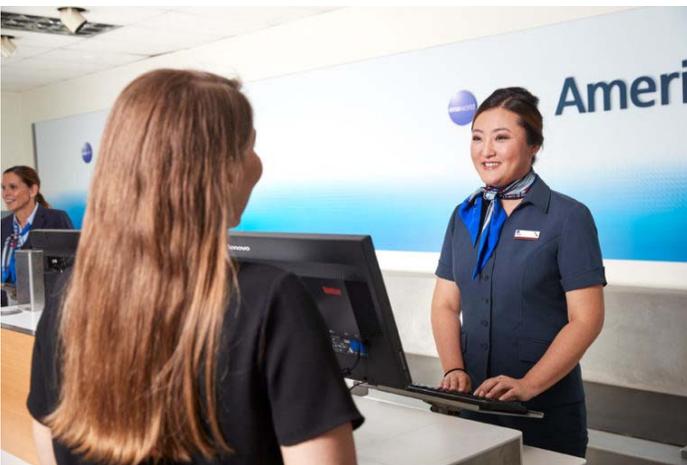


## Airline Careers

A ground attendant marshals an aircraft into the parking space.

Did you ever dream of working for a major airline but do not want to fly? Just look at all the opportunities you have to for an airline career *without* flying!

**Aircraft Mechanic (A&P)**  
**Administrative Personnel**  
**Air Cargo Handler**  
**Air Freight Agent**  
**Aircraft Fueler**  
**Baggage Handler, Ground or Station Attendant**  
**Cabin Maintenance Mechanic**  
**Cabin Serviceperson**  
**District Sales Manager**  
**Engineer**  
**Flight Dispatcher**  
**Food Service Personnel**  
**Ground Attendant**  
**Professional Personnel**  
**Ramp Planner**  
**Ramp Service Personnel**  
**Reservation Sales Agent**  
**Sales Representative**  
**Schedule Coordinator**  
**Station Manager**  
**Teletypist**  
**Ticket Agent**



Ticket agent assisting a customer.

## Airport Careers

Airport managers are often employed by the city where the airport is located. They are responsible for all airport operations. The airport manager oversees all other employees and departments and manages the daily operations as well as future airport planning. They may deal with many different issues, but they are primarily responsible for airport safety, regulations, and budget planning.



Fixed Base Operator (FBO) They work with General Aviation Pilots.

Assistant Airport Manager - **Airport Management**

Director or Manager - **Airport Operations**

Engineer - **Airport Engineer**

Fixed Base Operator - **Airport FBO**

Fixed Base Operator - **Line Person**

Safety Personnel - **Airport Safety and Security**

Service Person - **Airport Maintenance**

Terminal Concessionaire - **Airport Terminal**

## Federal Government Careers



FAA Air Traffic Control Specialist - **Air Route Traffic Control Center**  
FAA Air Traffic Control Specialist - **Airport Traffic Control Tower (ATCT)**  
FAA Air Traffic Control Specialist - **Flight Service Station**

## National Transportation Safety Board (NTSB) - **Aircraft Accident Investigator**



FAA Aviation Safety Inspector - **Manufacturing**  
FAA Engineer - **Federal Aviation Engineering**  
FAA Electronics Technician - **Airspace System Inspection 2**  
FAA Engineering Aid or Technician - **FAA Engineering Aid or Technician**  
FAA Maintenance Mechanic - **Maintenance and Mechanic**  
FAA Other Professional Employees - **Civil Aeronautics Board**  
National Weather Service - **Meteorologist and Meteorological Technician**

## US Military Careers



- Pilots
- Navigators
- Flight Officers
- Aircrew
- Aircraft Maintenance Technicians
- Avionics Technicians
- Aviation Ordnancemen
- Air Traffic Controllers
- Airfield Operations
- Intelligence and Surveillance
- Search and Rescue
- Aviation Safety
- Logistics and Transportation
- Flight Surgeons
- Aerospace Physiologists
- Cyber Mission Specialists

## In Flight Careers

In addition to pilot careers there are other in-flight careers. Flight attendants and emergency medical transport nurses are just a couple examples. Both federal and state governments hire pilots.

- Agricultural Pilot**
- Air Taxi or Charter Pilot**
- Airline Captain**
- Copilot or First Officer**

- Corporate Pilot**
- Ferry Pilot**
- Flight Instructor**



## Activity

Name five non-pilot careers

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Name five flying careers

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