



# Aviation Maintenance Technology

Department: Industrial Technologies

Degree: Associate of Applied Science

Entry time: Fall

Length: 2 years (5 semesters)

- **Kibbie Grant:** Students in this program may be eligible to have half their tuition paid for by the Kibbie Grant. Go to [www.kirkwood.edu/Kibbie](http://www.kirkwood.edu/Kibbie) for more details.
- Students are taught in a variety of ways, including **classroom and immersive lab experiences**.
- Knowledgeable instructors prepare students by **using tools and skills used in the industry**.
- **Knowledgeable faculty with industry experience** who are eager to help learners reach their potential.
- **Strong partnerships** with local and regional industries.

## Program Description

Aviation mechanics inspect the engines, landing gear, instruments, pressurized sections, accessories, electrical systems, and other parts of the aircraft and do the necessary maintenance and replacement of parts. Our two-year program includes hands-on instruction at an airplane hangar at the Eastern Iowa Airport, as well as classes at Kirkwood.

## Sample Classes

Fundamentals of Electricity & Electronics  
Materials & Processes  
Physics for Aviation  
Aircraft Drawings  
Aircraft Handling  
Federal Aviation Regulations  
Aircraft Electrical Systems  
Metallic Structures  
Non-Metallic Structures  
Aircraft Instrument Systems  
Flight Controls and Airframe Inspection  
Landing Gear & Hydraulic & Pneumatic Systems  
Aircraft Fuel Systems  
Communications and Navigation Systems  
Aircraft Fire Protection Systems  
Environmental Systems  
Reciprocating Engines  
Propellers  
Ignition and Starting Systems  
Turbine Engines  
Air, Exhaust, and Lubricating Systems  
Engine Inspection

Eligibility for FAA Airframe, Powerplant, or Airframe and Powerplant testing

## Career Opportunities

Aviation Maintenance Technician  
Aircraft Structures Technician  
Helicopter Technician  
Sheet Metal Mechanic  
Aircraft Line Assembler  
Aircraft Quality Assurance Inspector  
Aircraft Inspector

## Scholarships

Kirkwood will help you pay for college! Kirkwood awards more scholarships than any other community college in Iowa. For more information and to apply, visit [www.kirkwood.edu/scholarships](http://www.kirkwood.edu/scholarships).

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