



at a glance

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 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.

Kirkwood Community College shall not engage in nor allow unlawful discrimination against individuals involved in its educational programs and activities on the basis of race, creed, color, sex, sexual orientation, gender identity, national origin, religion, age, disability, or actual or potential parental, family, or marital status. If you have questions or complaints related to compliance with the policy, please contact the Vice President of Human Resources at Kirkwood Community College, 313 Kirkwood Hall, 6301 Kirkwood Blvd. SW, Cedar Rapids, IA 52404, Telephone: 319-398-5572, Email: equity@kirkwood.edu, or the Director of the Office for Civil Rights U.S. Department of Education, John C. Kluczynski Federal Building, 230 S. Dearborn Street, 37th Floor, Chicago, IL 60604-7204, Telephone: 312-730-1560, Fax: 312-730-1576, Email: OCR.Chicago@ed.gov.