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

**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).
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.