



**Agricultural Sciences**

Washington Hall

319-398-5609

800-332-2055

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# Diesel Technologies

Department: Agricultural Sciences

Degree: Associate of Applied Science

Entry time: Fall

Length: 2 years

- One of the **largest schools** in the nation for number of **Ag program graduates**.
- Many job opportunities with local industry upon graduation from the Diesel Technologies program.
- **Limited class sizes** to allow for **one-on-one instruction**.
- Various brands of industry-approved equipment.
- 13 agriculture-related student organizations among the **80+ clubs** on campus.
- **Required internship opportunities** providing great industry contacts, which could lead to a full-time position after graduation.

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## Program Description

The Diesel Technologies program offers a 2-year A.A.S. degree for students entering the workforce in agricultural equipment, heavy truck and trailer, or heavy equipment maintenance and repair. Today's technicians not only diagnose and fix mechanical problems, they also must understand and troubleshoot the computer-controlled systems found in diesel engines, power trains and hydraulic systems, suspensions, and braking systems. The program also provides industry training and professional development for graduates. Currently, more than 50 Midwestern businesses employ one or more former Kirkwood students who participated in our program.

## Career Opportunities

Diesel Technicians  
Shop/Service Technicians  
Service Managers  
Owners/Operators  
Shop Foreman/Managers

## Sample Classes

Hydraulics  
Technical Procedures for Power Mechanics Technicians  
Fundamentals of Internal Combustion Engines  
Fundamentals of Electricity  
Welding Fundamentals  
Equipment Servicing  
Fundamentals of Air Conditioning  
Diesel Engines I and II  
Advanced Diesel Electronics

## Internships

As a Diesel Technologies student, you will complete a summer internship allowing you to apply your lab and classroom skills in an actual work environment.

## Tool Requirements

As a student in the Diesel Technologies program, you will be required to purchase a minimum standard set of professional-grade tools moving into the third semester of your program. Tools will be supplied to you during your first two semesters in the program. A complete tool list with associated costs and vendors is available at [www.kirkwood.edu/dieseltech](http://www.kirkwood.edu/dieseltech) to help you plan for this purchase.

## 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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