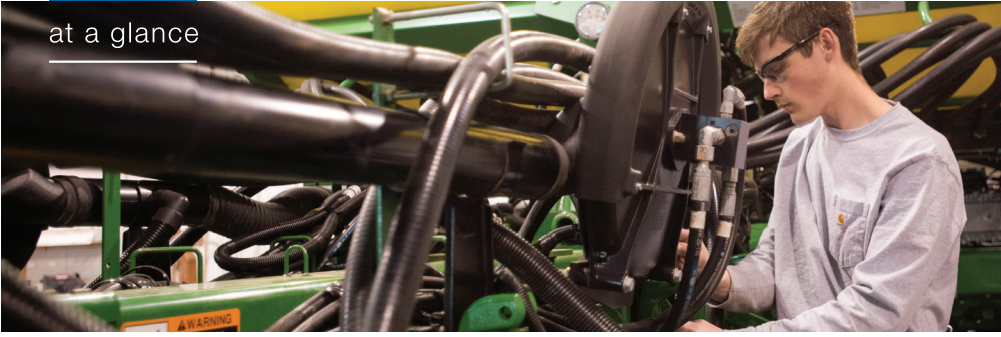


at a glance



**Kirkwood**  
COMMUNITY COLLEGE

#### Agricultural Sciences

Washington Hall

319-398-5609

800-332-2055

[www.kirkwood.edu/agscience](http://www.kirkwood.edu/agscience)

[www.twitter.com/agkirkwood](https://www.twitter.com/agkirkwood)

[www.facebook.com/kirkwoodagsciences](https://www.facebook.com/kirkwoodagsciences)

# Diesel Agriculture Technology

Department: Agricultural Sciences

Degree: Associate of Applied Science

Entry time: Fall

Length: 2 years (4 semesters, 1 summer)

- One of the **largest schools** in the nation for number of **Ag program graduates**.
- **Student success comes first.**
- **More than 30 local businesses employ one or more graduates** from the Diesel Agriculture Technology program annually.
- **Limited class sizes** to allow for **one-on-one instruction.**
- 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

Prepare for entry-level employment or job advancement in fields related to the repair and maintenance of farm equipment and other diesel-powered heavy equipment. 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. This comprehensive program stresses skill development, theoretical knowledge, applications and leadership skills, providing students with many employment options.

## Career Opportunities

Sales  
Warranty administrator  
Safety inspector  
Diesel mechanic  
Heavy diesel equipment technician

## Sample Classes

Hydraulics  
Technical Procedures for Power Mechanics Technicians  
Ag Engines  
Fundamentals of Internal Combustion Engines  
Agricultural Electric  
Fundamentals of Electricity  
Welding Fundamentals  
Combine Operation and Adjustment  
Diesel Fuel Systems  
Power Shift Transmissions  
Agricultural Diagnosis  
Fundamentals of Air Conditioning

## Internships

As a Diesel Agriculture Technology 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 Agriculture Technology 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/dieselag](http://www.kirkwood.edu/dieselag) to help you plan for this purchase.

## Additional Program Information

A commercial driver's license (CDL) is recommended for this program. As a student in the program, you can take Kirkwood's Continuing Education CDL program.

## 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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