

Ag & Industrial Power Technology



CAREER OPPORTUNITIES:

- Hydraulic Specialist
- Diesel Tech
- Parts Manager
- Ag Sales & Service
- Tow Motor Operator
- Small Engine Specialist



- Troubleshoot, repair, overhaul and assemble gas and diesel power-driven machinery, equipment and small engines
- Analyze and repair complex electrical, hydraulic and fuel systems for agricultural equipment
- Operate a wide range of modern agricultural and industrial equipment
- FFA Chapter Activities

Career Focus:

Be prepared for immediate employment in mechanized equipment maintenance and further education.

Certifications:

OSHA 10 hour Safety Certification
Forklift Operation & Certification
ASE (Student) Medium/Heavy Truck

Welcome!

Vantage Career Center is for YOU! Any 11th or 12th grade student living within the participating school districts may attend Vantage. Instructors with valuable work experience in their field engage students by teaching technical and academic skills for high demand careers. Programs feature nationally recognized curriculum taught by industry experts using advanced technology and equipment. Students develop the skills and positive attitude necessary to enter the workforce or continue their training and education beyond high school.

Admission Requirements:

Completion of sophomore year of high school and...
2 Units of English - 2 Units of Science - 2 Units of Math
2 Units of Social Studies
1 Unit of Health & Physical Education

For More Info:

Email
knott.m@vantagecareercenter.com
Call Student Services
419-238-5411 OR
1-800-686-3944 ext. 2126
Attend Open House @
Vantage from 5:00 – 7:30 pm
on Monday, February 26, 2018.
“Like” our Vantage Career Center
page on Facebook and follow us on
Twitter and Instagram @vccstudents!
That’s where you’ll find information,
updates and pictures!



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Courses

Junior Year

First Semester:

Safety
Equipment Operation
Engines
Hydraulics
Electrical systems
Steering, Suspension & Traction
Heating & Air Conditioning
Power Transmissions

Metalworking:

Oxy-Acetylene Welding, Brazing,
and Cutting/Arc Welding
MIG & TIG Welding
Soldering

Second Semester:

Engines: How They Work
Basic Engine Components
Gasoline Fuel Systems
LP Fuel Systems
Diesel Fuel Systems
Intake & Exhaust Systems
Lubrication Systems
Cooling Systems
Governing Systems
Engine Test Equipment
Service Tools
Diagnostics & Testing
Engine Tune-Up

Courses

Senior Year

First Semester:

Electrical Theory
Tools
Diagnose & Repair Electrical Systems
Schematics & Diagrams
Electrical Systems Troubleshooting
Electrical Systems Computer & Controls

Second Semester:

Principles of Hydraulics
Hydraulic Component Systems
Hydraulic Symbols, Schematics & Circuits
Hydraulics: Analyze, Diagnose,
Test & Troubleshoot
Preventative Maintenance
Hydraulic Brakes
Bearings & Seals
Clutches

