

Agricultural Systems Technology



PROGRAM INFORMATION

The Agricultural Systems Technology curriculum prepares individuals for employment as Agriculture Equipment Technicians. It introduces careers in the Agriculture Equipment Technician area and increases student awareness of the challenges associated with the fast and ever-changing agricultural equipment field.

This program prepares individuals to maintain and repair specialized farm, ranch, and agribusiness power equipment and vehicles. It includes instruction in the principles of diesel, combustion, electrical, steam, hydraulic, and mechanical systems and their application to the maintenance of nutrient application and spraying equipment; tractors and hauling equipment; planting and harvesting equipment; cutting equipment; power sources and systems for silos; irrigation and pumping equipment; dairy, feeding and processing systems.

How well does it pay?
\$35,140-\$61,180

Average starting salary
(North Carolina State Average per CFNC.org)

Classroom and Lab experiences integrate technical and academic course work, with emphasis placed on theory, servicing and operation of braking systems, climate control, design parameters, drive trains, electrical/electronic systems, engine repair, engine performance, environmental regulations, materials, product finish, safety, steering/suspension, transmission/transaxles, and sustainable systems.

Wilkes Community College is an equal opportunity institution, in compliance and agreement with the provisions set forth in Title VI of the Civil Rights Act of 1964, Title IX of the Educational Amendments of 1972, Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990. No person shall be discriminated against on the basis of race, color, religion, national origin, political affiliation, gender, sexual orientation, age, or disability.
For information concerning WCC programs and gainful employment, please check the following link on our web page, www.wilkescc.edu/gainful-employment.

TYPICAL COURSES

- Diesel Engines
- Intro to Sustainable Transportation
- Intro to Transport Tech
- Transportation Climate Control
- Basic Transport Electricity
- Tech Report Writing
- Electronic Engines
- Harvest and Spraying Equipment
- Consumer Products
- Ag Telematics
- Component Controls Technology and Society
- PC Skills for Transportation
- Hydraulics- Medium/ Heavy Duty
- Diesel Electronic System
- Basic Welding for Transport
- Power Trains

CONTACT INFORMATION

Spencer Dagenhardt • 336-838-6468
spdagenhardt309@wilkescc.edu

Jonah Severt • 336-838-6239
jmsevert077@wilkescc.edu

Mike Murphy • 336-838-6243
pmmurphy659@wilkescc.edu



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PO Box 120 • 1328 S. Collegiate Drive
Wilkesboro, NC 28697

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