



Heavy Equipment /Diesel/Agriculture Mechanics

Grades 11 & 12

Heavy Equipment/Diesel/Agriculture Mechanics is a two-year program open to all high school juniors and seniors. Students who have found an interest in working with machines in the construction, agriculture, trucking, lawn and garden industry, welding and Armed Forces should consider this program. Students will be working on trucks (pickups and semis), tractors, forklifts, backhoes, bulldozers, lawnmowers and small engines. Students will work also in groups for engine teardown, overhaul and failure analysis.

Objectives are:

1. To provide instruction to help students achieve the skills and experiences necessary so that they may gain employment.
2. Prepare students that wish to study at college with basic knowledge to help them achieve success in their post-secondary goals.
3. To provide students with job seeking skills necessary to find and obtain employment in the field of their choice.
4. Assist students in developing and maintaining work habits, proper attitudes, and the ability to work harmoniously with others.
5. Provide students with leadership training activities that will enlarge their vision and enrich their lives for better citizenship through FFA and SkillsUSA organizations.

Program Highlights

Operate/Overhaul/Service & Tuneup Medium and Heavy Duty Engines	Welding (Arc, Acetylene, MIG and Plasma)	Recondition Machinery
Service Transmissions/Clutches/Torque Converters/Air Brake Repair	Repair Heavy Equipment and Tires	Troubleshoot & Service Hydraulic Systems
Test & Service Starters, Generators & Alternators	Electronic Engine Controls & Troubleshooting	Gas & Diesel Engines

Applied Academics

Students enrolled in the Heavy Equipment/Diesel/Agriculture Mechanics program can earn credits that will satisfy core academic requirements in English Language Arts, Math and Science. Through the integration of these core academics, achieving a Regents Diploma remains in reach.

College Agreements

In addition to gaining the skills needed to enter the workforce, this program provides an excellent foundation for students looking to enter a college program. Articulation agreements for college credit are in place with: Alfred State School of Applied Technology (Specific first-year requirements are waived), University of Northwestern Ohio (9 credits).

How to Enroll

Orleans/Niagara BOCES partners with local school districts to provide exciting hands-on career and technical training during normal school day. To learn more, speak with your high school counselor or you can contact Orleans/Niagara BOCES Niagara Career and Technical Education Center Principal Anedda Trautman at atrautman@onboces.org.

Teacher Information

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