AOS DEGREE – CODE #0452
Eric Wilmot, Department Chair and Program Coordinator
Email address: wilmotej@alfredstate.edu

One of our most popular programs, this specialization includes 1,800 hours of practical experience and classroom training designed to prepare you to enter the dynamic field of heavy equipment maintenance and repair. You will receive a strong foundation on all types of vehicles during your freshman year, followed by a year of concentration on trucks, bulldozers, earthmovers, farm tractors, and other diesel-powered equipment during your senior year.

ADVANTAGES
• Our heavy equipment, truck & diesel technician program is the only program in New York and New England that is approved by the Association of Diesel Specialists (ADS). The heavy equipment, truck & diesel technician program is one of only nine national ADS TechSmart training programs.
• Students successfully completing the heavy equipment, truck & diesel technician program may return for a third year (senior year) in automotive service technician or motorsports technology and earn a second associate degree. They may be admitted to auto body repair with the department chair’s approval.
• Students may take Automotive Service Excellence (ASE) certification exams in eight areas and the ADS TechCert test. Students are eligible for New York State inspection certification upon successful completion of their freshman year. In their senior year, students may take the test for certification in Basic Engine Theory through the Association of Diesel Specialists.

DIRECT ENTRY INTO BACCALAUREATE DEGREE PROGRAM
Alfred State heavy equipment, truck & diesel technician graduates may enter directly into the technology management BBA degree program. Graduates who have credit for freshman composition, statistics, literature, history, and speech may complete the BBA program in two additional years; others may complete the BBA program in two-and-one-half years.

OCCUPATIONAL OPPORTUNITIES
• Agricultural equipment mechanic
• Service manager
• Diesel engine specialist
• Diesel fuel system specialist
• Shop foreman
• Heavy equipment mechanic
• Truck fleet mechanic
• Industrial equipment mechanic
• Marine engine service technician

EMPLOYMENT STATISTICS
Employment and continuing education rate of 100 percent – 93 percent are employed; 7 percent continued their education.

RELATED PROGRAMS
Autobody Repair
Automotive Service Technician
Mechanical Engineering Technology
Motorcycle and Power Sports Technology
Welding Technology

ENTRANCE REQUIREMENTS/RECOMMENDATIONS
Recommended: Algebra

TECHNICAL STANDARDS
Applicants for all programs in the Automotive Trades Department must meet the following physical requirements:
• Must be able to lift 50 pounds to eye level.
• Must be able to effectively communicate with a person 6 to 10 feet away.
• Must be able to visually decipher small images on a monitor or digital display.
• Must be able to distinguish sounds associated with mechanical failures.
• Must be able to comprehend written information found in service repair manuals.
• Must have a valid motor vehicle driver’s license.

CERTIFICATION OR LICENSURE
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HEAVY EQUIPMENT, TRUCK & DIESEL TECHNICIAN - AOS DEGREE

TYPICAL FOUR-SEMESTER PROGRAM

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<tr>
<th>Semester</th>
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<tr>
<td>First</td>
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<td>Welding</td>
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<td>AUTO 1245</td>
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