Automotive Service Technician (AOS)

AOS DEGREE – CODE #0451
Eric Wilmot, Department Chair and Program Coordinator
Email address: wilmotej@alfredstate.edu

This specialization includes 1,800 hours of practical and classroom training in general automotive repair geared to automotive dealership and independent garage practice. You will receive hands-on experience with all types of automobiles, including domestic, imported, gasoline, diesel, and alternative fuels with labs taught by experts in the field. All systems of the automobile are covered in the instruction including the latest gasoline fuel injection, electronic controls, emission controls, and automatic transmission overhaul.

ADVANTAGES
- Graduates may take Automotive Service Excellence (ASE) certification exams. Students are eligible for New York State inspection certification upon successful completion of their freshman year.
- Master certified by the National Automotive Technicians Educational Foundation, Inc. (NATEF).
- NYS Licensed Inspection Station.
- Students successfully completing the general automotive service technician program may return for a third year (senior year) in heavy equipment, truck & diesel technician or motorsports technology and earn a second associate degree. They may be admitted to autobody repair with the department chair's approval.

DIRECT ENTRY INTO BACCALAUREATE DEGREE PROGRAM
Alfred State automotive service 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
- Automatic transmission technician
- Automotive technician specialist
- Automotive diagnostic specialist
- Brake specialist
- Drivability specialist
- Fuel system specialist
- Independent repair shop owner
- Manufacturer’s service representative
- Marine engine service specialist
- Service manager
- Service salesperson
- Shop foreman
- Wheel alignment specialist

EMPLOYMENT STATISTICS
Employment and continuing education rate of 100 percent – 47 percent are employed; 50 percent continued their education.

RELATED PROGRAMS
- Autobody Repair
- Heavy Equipment, Truck & Diesel Technician
- Mechanical Engineering Technology

Motorsports Technology
Welding

ENTRANCE REQUIREMENTS/RECOMMENDATIONS
Recommended: Algebra

TECHNICAL STANDARDS
Applicants in the automotive service technician program must meet the following physical requirements:
1. Must be able to lift 50 pounds to eye level.
2. Must be able to effectively communicate with a person 6 to 10 feet away.
3. Must be able to visually decipher small images on a monitor or digital display.
4. Must be able to distinguish sounds associated with mechanical failures.
5. Must be able to comprehend written information found in service repair manuals.
6. Must have a valid motor vehicle driver's license.

CERTIFICATION OR LICENSURE
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AUTOMOTIVE SERVICE TECHNICIAN - AOS DEGREE

TYPICAL FOUR-SEMESTER PROGRAM

First

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>AUTO 1109</td>
<td>Brakes, Steering &amp; Susp Sys</td>
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<tr>
<td>AUTO 1124</td>
<td>Automotive Welding</td>
<td>4</td>
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<tr>
<td>AUTO 1135</td>
<td>Bsc Elec &amp; Comprt Overhaul</td>
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Second

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<td>Auto Electric, Fuel &amp; Emission</td>
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<tr>
<td>AUTO 1149</td>
<td>Inspect, Main, AC Hting &amp; Cing</td>
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Third

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<tr>
<td>AUTO 3409</td>
<td>Engine Service</td>
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<tr>
<td>AUTO 4449</td>
<td>Drive Train Service</td>
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Fourth

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<tr>
<td>AUTO 3429</td>
<td>Adv Elec &amp; Engine Perfomng</td>
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<tr>
<td>AUTO 4439</td>
<td>Shop Management &amp; Enhanced Sys</td>
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GRADUATION REQUIREMENTS
A student must successfully complete all courses in the prescribed four-semester program and earn a minimum cumulative index of 2.0, which is equivalent to a "C" average.