



AOS DEGREE – CODE #0451

Bradley Smith, Department Chair and Program Coordinator
Email address: smithbp@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

- Master certified by the National Automotive Technicians Educational Foundation, Inc. (NATEF).
- National Alternative Fuels Training Consortium (NAFTC).
- 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 and diesel technician, motorsports technology, or motorcycle and power sports technology and earn a second associate degree.

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 – 68 percent are employed; 32 percent continued their education.

RELATED PROGRAMS

- [Autobody Repair](#)
- [Heavy Equipment, Truck and Diesel Technician](#)
- [Mechanical Engineering Technology](#)
- [Motorsports Technology](#)
- [Welding Technology](#)

REQUIRED TOOLS/EQUIPMENT

A list of required tools, equipment, PPE, etc. for all of the program mentioned above can be found at <http://www.alfredstate.edu/tool-lists>.

A tier 1 laptop computer is required for students entering this degree program. Laptop specifications are available at <https://www.alfredstate.edu/required-laptops>.

ENTRANCE REQUIREMENTS/RECOMMENDATIONS

Recommended: Algebra

TECHNICAL STANDARDS

It is essential that students in this degree program are able to participate fully and safely, with or without reasonable accommodation, in all classroom and laboratory experiences required for completion of the program. Students in this degree program should be able to:

1. Lift 50 pounds to industry standard automotive lift height
2. Effectively communicate with a person six (6) to ten (10) feet away.
3. Visually decipher small images on a monitor or digital display.
4. Distinguish sounds associated with mechanical failures.
5. Comprehend written information found in service repair resources.
6. Possess a valid motor vehicle driver's license.
7. Function in a safe manner, not placing themselves, faculty, staff, other students, or property in jeopardy.
8. Appropriately and safely use standard laboratory equipment, materials, and instrumentation to include possession of fine motor skills and mobility.

CERTIFICATION OR LICENSURE

Graduates may take Automotive Service Excellence (ASE) certification exams. Students are eligible to take the New York State inspection certification upon successful completion of their freshman year.

OFFICE OF ACCESSIBILITY SERVICES

Students who believe they need a reasonable accommodation to properly participate in this program may contact Melanie Ryan in the Office of Accessibility Services. This office may be contacted by email at oas@alfredstate.edu or by phone at 607-587-4506. Please keep in mind that some accommodations may take time to implement, so students seeking accommodations are encouraged to contact OAS as early as possible.

AUTOMOTIVE SERVICE TECHNICIAN - AOS DEGREE

TYPICAL FOUR-SEMESTER PROGRAM

First			
AUTO	1109	Brakes, Steering & Susp Sys	9
AUTO	1124	Automotive Welding	4
AUTO	1135	AutoBsc Elctrn & Compt Overhl	5
			18
Second			
AUTO	1169	Auto Electric, Fuel & Emission	9
AUTO	1149	Inspe, Main, AC Htng & Clng	9
			18
Third			
AUTO	3409	Engine Service	9
AUTO	4449	Drive Train Service	9
			18
Fourth			
AUTO	3429	Adv Elctrn & Engine Perfmnc	9
AUTO	4439	Shop Management & Enhanced Sys	9
			18

GRADUATION REQUIREMENTS

A student must successfully complete all courses in the prescribed four-semester program and earn a minimum cumulative grade point average of 2.0 in major courses.