



**AOS DEGREE - CODE #1619**

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This specialization includes 1,800 hours of practical experience and classroom training designed to prepare you for the exciting, fast-paced motorsports field. Our high-tech program includes brake systems, alignment procedures, electronic controls, engine overhaul, and transmission overhaul. Ever dream of learning how to work on real race vehicles alongside industry experts? A major component of our curriculum involves the fabrication and set-up of various types of these incredible machines.

**ADVANTAGES**

- Students may take Automotive Service Excellence (ASE) certification exams.
- First-year courses are certified by NATEF (National Automotive Technicians Educational Foundation, Inc.).
- Students successfully completing the motorsports technology program may return for a third year (senior year) in the automotive service technician program and earn a second associate degree.

**DIRECT ENTRY INTO BACCALAUREATE DEGREE PROGRAM**

Alfred State motorsports technology 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**

- Chassis specialist
- High performance motorsport technician
- Crew foreman
- Pit crew member
- Engine builder
- Transmission builder

**EMPLOYMENT STATISTICS**

Employment and continuing education rate of 83 percent – 83 percent are employed.

**RELATED PROGRAMS**

- [Autobody Repair](#)
- [Automotive Service Technician](#)
- [Mechanical Engineering Technology](#)
- [Welding Technology](#)

**REQUIRED TOOLS/EQUIPMENT**

A list of required tools, equipment, PPE, etc. for all of the programs mentioned above can be found at <http://www.alfredstate.edu/admissions/accepted-students/required-tools-supplies>.

A tier 1 laptop computer is required for students entering this degree program. Laptop specifications are available at [www.alfredstate.edu/required-laptops](http://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**

Students may take Automotive Service Excellence (ASE) certification exams.

**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](mailto: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.

**MOTORSPORTS TECHNOLOGY - AOS DEGREE**

**TYPICAL FOUR-SEMESTER PROGRAM**

<b>First</b>			
AUTO	1109	Brakes, Steering & Susp Sys	9
AUTO	1169	Auto Electric, Fuel & Emission	9
			18
<b>Second</b>			
AUTO	3409	Engine Service	9
AUTO	4449	Drive Train Service	9
			18
<b>Third</b>			
AUTO	3506	Introduction to Motorsports	6
AUTO	3504	Motorsport Fabrication I	4
AUTO	3545	Motorsport Fabrication II	5
AUTO	3514	Racing Suspension Dynamics	4
			19
<b>Fourth</b>			
AUTO	3535	Hgh Prfrmnce Engine Building	5
AUTO	3544	Motorsports Aerodynamics	4
AUTO	3534	Hgh Permnce Sterng/Bks/Chasis	4
AUTO	3524	Hgh Prfrmnce Tune-up/Electrnics	4
			17

**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.