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.

ENTRANCE REQUIREMENTS/RECOMMENDATIONS

Recommended: Algebra

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.

TECHNICAL STANDARDS

Applicants in the motorsports technology program 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

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

MOTORSPORTS TECHNOLOGY - AOS DEGREE

TYPICAL FOUR-SEMESTER PROGRAM

First			
AUTO	1109	Brakes, Steering & Susp Sys	9
AUTO	1169	Auto Electric, Fuel & Emission	9
			18
Second			
AUTO	3409	Engine Service	9
AUTO	4449	Drive Train Service	9
			18
Third			
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
Fourth			
AUTO	3535	Hgh Prfmnce Engine Building	5
AUTO	3544	Motorsports Aerodynamics	4
AUTO	3534	Hgh Permnce Sterng/ Bks/Chasis	4
AUTO	3524	Hgh Prfmnce Tune-up/ Electrncs	4
			17

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.