

Certificate in Automotive Technology

Program Outcomes

Upon completion of this certificate, students will have experience in diagnosing and fixing many common automotive problems.

Employment Opportunities or Additional Educational Options

With this certificate, students can prepare for employment as an automotive service technician in various settings such as automobile dealerships, independent service facilities, franchised repair facilities, and specialty shops. This program is certified by the National Institute for Automotive Excellence for ASE Master Technician certification. Students are strongly advised to complete the two-year associate degree program to enhance employment opportunities and improve longevity in the workforce. Salary ranges vary depending upon the type of position obtained, field of choice, and geographic region.

To Learn More About This Program

Contact Jeff Robson at 269-783-2967 or jrobson01@swmich.edu or Kyle Shrock at 269-783-2123 or kschrock@swmich.edu.

Certificate Requirements

To earn this certificate, students must have an overall GPA of 2.0 or higher, fulfill the course requirements of the program listed below, and complete a minimum of 28 credit hours. Courses listed below under "General Education Courses" must be completed with a final grade of "C" or better.

General Education Courses

COMMUNICATIONS

Course ID	Course	Credits
ENGL 103 or ENGL 103W	Freshman English 2 (or with workshop)	3 to 4 credits

MATHEMATICS

Course ID	Course	Credits
MATH 101 or MATH 102	Introductory Algebra or Mathematical Literacy	4 credits

Certificate-specific Required Courses

Course ID	Course	Credits
EDUC 120	Educational Exploration and Planning	1 credit
AUTO 103	Intro to Automotive Technology	3 credits
AUTO 116	Brake Systems	3 credits
AUTO 119	Electrical I	3 credits
AUTO 122	Steering Suspension Systems	3 credits
AUTO 131	Manual Transmissions	3 credits
AUTO 147	Engine Repair 1	3 credits
AUTO 222	Electrical 2	3 credits
AUTO 227	Engine Performance 1	3 credits

Total Program Credits: 32

Additional Notes About the Certificate in Automotive Technology Program

- A prerequisite course may be needed prior to enrollment in some courses within this program. Specific prerequisite requirements are listed in the Course Description section in the Course Catalog. A summary of the prerequisites are listed below in the Example Course Sequence.
- Courses taken out of sequence may delay a student's ability to complete the program in a timely manner. Please consult your advisor regularly.
- Students in this certificate program routinely continue into the A.A.S. in Automotive Technology program.
- Students in the A.A.S. in Automotive Technology program complete this certificate automatically as a condition of fulfilling their A.A.S. degree.
- Each student should submit a graduation application at least one full semester before he/she plans to graduate.
- This program is subject to change. Students should consult with their advisor for program updates.

Example Course Sequence

The following is a sample of a semester-by-semester approach to completing this program.

FIRST SEMESTER

Courses	Credits	Prerequisites (Minimum Grade of "C" Required)
EDUC 120 Educational Exploration and Planning	1 credit	ENGL 115 or test score (concurrent enrollment allowed)
ENGL 103 or ENGL 103W Freshman English 2 (or with workshop)	3 to 4 credits	ENGL 115 or test score (concurrent enrollment allowed)
AUTO 103 Intro to Automotive Technology	3 credits	None
AUTO 119 Electrical 1	3 credits	None
AUTO 116 Brake Systems	3 credits	None
AUTO 122 Steering and Suspension Systems	3 credits	None

SECOND SEMESTER

Courses	Credits	Prerequisites (Minimum Grade of "C" Required)
AUTO 131 Manual Transmissions	3 credits	AUTO 103
AUTO 147 Engine Repair 1	3 credits	AUTO 103
AUTO 222 Electrical 2	3 credits	AUTO 103 and AUTO 119
MATH 101 Introductory Algebra or MATH 102 Mathematical Literacy	4 credits	MATH 098 or test score
AUTO 227 Engine Performance 1	3 credits	AUTO 103 and AUTO 119