

Automotive Technician

Associate of Applied Science (AAS) Degree

Technical Requirements 57
 MnTC General Education 15
 Total Credits 72

Program Information

The Anoka Technical College Automotive Technician Associate of Applied Science (AAS) degree is intended for advanced individuals who are looking for additional possibilities in their automotive future. This is a 72-credit program not only provides an individual with an entry level career in the automotive service industry, it can also increase future educational or career options. The general education credits contained within the AAS can lead to leadership positions within the industry as well as act as a stepping stone to a Bachelor of Arts (BA) degree in Engineering or Business Management.

Program Learning Outcomes

By completing this program, students will achieve the following learning outcomes.

1. Develop the knowledge and demonstrate an understanding of automotive related systems, components, terminology and acronyms.
2. Develop and demonstrate knowledge, skills, and attitudes essential to the automotive repair industries expectations of performance.
3. Demonstrate the ability to utilize computer and non-computer based vehicle service information systems.
4. Use automotive tools, shop and test equipment, materials, and chemicals safely and effectively.
5. Develop critical and creative thinking processes required to effectively and efficiently diagnose and repair vehicle technical problems.

Admission Requirements

Successful completion of the Automotive diploma or instructor approval.

Course Prerequisites

Some courses may require appropriate test score or completion of basic math, basic English and/or reading courses with a “C” or better.

For insurance purposes, internships may require that students be 18 years old for the automotive program. Students must also possess a valid driver’s license.

Graduation Requirements

All Anoka Technical College students seeking an Associate in Applied Science (AAS), diploma, or certificate must meet the cumulative grade point average (GPA) of 2.0 or higher.

Transfer Opportunities

To see how credits from this program may transfer into other Anoka Technical College programs or into a program at another college, visit:

- [Minnesota Transfer](#)
- [Anoka Technical College transfer student](#)

Industry Information

With more than 230,000,000 light-duty cars and trucks on the road in the United States alone, there will always be jobs for qualified technicians. One of the automotive technician’s most in-demand and valuable skills is the ability to make a quick and accurate problem diagnosis. This requires a thorough knowledge and understanding of light-duty vehicles and their systems. Good reasoning abilities and critical thinking along with the ability to locate and understand vehicle service information is also important. Daily, the technician will rely on computerized service information to locate system theory of operation, diagnostic and troubleshooting procedures, specifications, repair procedures and technical service bulletins as they service customer vehicles. It may be necessary to provide accurate repair estimates and communicate with customers and coworkers.

Many technicians will perform a variety of repairs while others will seek additional training in order to specialize. Areas of specialization include the diagnosis and repair of engines or transmissions, electrical systems, driveability or performance (fuel and ignition), air conditioning, suspension systems and wheel alignment. Due to the ever increasing use of electronics and new technology in the vehicles of the future, the ability to adapt and continue learning will be very important.

The AAS degree can accelerate career opportunities and lead to many other related paths within the automotive service/sales area including merchandising, parts and vehicle sales. Experienced technicians who are able to communicate well with customers may become service advisors. Those with leadership abilities may advance to supervisory or management positions and manufacturer representatives. Some may elect to open their own repair shops or seek additional education in engineering or business management.

Wages/Outlook/Advancement

Wage information is available from the [Minnesota Department of Employment and Economic Development](#).

Start Dates

Fall Semester.....August

Program Sequence

Fall Semester	16
<input type="checkbox"/> AUTO 1000 Orientation and Safety	1
<input type="checkbox"/> AUTO 1010 General Auto Service	2
<input type="checkbox"/> AUTO 1167 Vehicle Electronics	5
<input type="checkbox"/> AUTO 2145 Suspension and Steering System Service	4
<input type="checkbox"/> AUTO 2159 Brake System and Service	4
Spring Semester	20
<input type="checkbox"/> AUTO 2005 Supervised Internship I	2
<input type="checkbox"/> AUTO 2164 Chassis Electrical Systems	3
<input type="checkbox"/> AUTO 2166 Starting and Charging Systems	2
<input type="checkbox"/> AUTO 2183 Fuel and Ignition Management Systems	6
<input type="checkbox"/> MATH 1500 Mathematical Ideas	3
<input type="checkbox"/> MnTC General Education Elective	4



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Fall Semester	18
<input type="checkbox"/> AUTO 2006 Supervised Internship II	2
<input type="checkbox"/> AUTO 2119 Engine Repair and Service	6
<input type="checkbox"/> AUTO 2129 Automatic Transmission Condition	6
<input type="checkbox"/> ENGL 1107 Composition I	4
Spring Semester	18
<input type="checkbox"/> AUTO 2007 Supervised Internship III	2
<input type="checkbox"/> AUTO 2135 Manual Drive Train System and Service	4
<input type="checkbox"/> AUTO 2175 Automotive Climate Control and Service	4
<input type="checkbox"/> AUTO 2187 Automotive Computer Systems and Driveability	4
<input type="checkbox"/> SOSC 2000 Sociology of Work	4

Faculty Contact

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Dave McFarland	763-576-4193

For information on how to apply, to schedule a tour, or for service during summer hours, contact Enrollment Services at 763-576-7710 or EnrollmentServices@anokatech.edu

Also see: Automotive Technician diploma