

### Program Information

The Anoka Technical College Automotive Technician diploma is a 60-credit program that prepares graduates for an entry level career in the automotive service industry. Most entry level automotive technicians start as tire or lube techs. Within a few months they will be performing many routine service tasks and perform simple repairs. It usually takes two to five years of on-the-job training to become a journey-level technician. This means that the technician is skilled enough to perform difficult repairs. However, graduates of a college-level training program are often able to advance to that level in a shorter period of time.

### 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

Accuplacer Reading score must be 50 or better to be accepted into the program.

### 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](http://www.mntransfer.org/students/plan/s_agreements.php?numResults=25&archive=false&from_inst=70&from_prog=&to_inst=&Search=Search): (www.mntransfer.org/students/plan/s\_agreements.php?numResults=25&archive=false&from\_inst=70&from\_prog=&to\_inst=&Search=Search)
- [Anoka Technical College transfer student](http://www.anokatech.edu/BecomeStudent/Transfers.aspx): (www.anokatech.edu/BecomeStudent/Transfers.aspx)

### 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 co-workers.

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, your ability to adapt and continue learning will be very important.

There are many other related career 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.

### Wages/Outlook/Advancement

Wage information is available from the [Minnesota Department of Employment and Economic Development](https://mn.gov/deed/job-seekers/job-outlook/) (https://mn.gov/deed/job-seekers/job-outlook/).

### Gainful Employment

Follow this link for a [Gainful Employment Report](#).

### Technical Education: 57 Credits

<input type="checkbox"/>	AUTO 1000	Orientation and Safety .....	1
<input type="checkbox"/>	AUTO 1010	General Automotive Service .....	2
<input type="checkbox"/>	AUTO 1167	Vehicle Electronics .....	5
<input type="checkbox"/>	AUTO 2005	Supervised Internship I .....	2
<input type="checkbox"/>	AUTO 2006	Supervised Internship II .....	2
<input type="checkbox"/>	AUTO 2007	Supervised Internship III .....	2
<input type="checkbox"/>	AUTO 2119	Engine Repair and Service .....	6
<input type="checkbox"/>	AUTO 2129	Automatic Transmission Condition .....	6
<input type="checkbox"/>	AUTO 2135	Manual Drive Train System and Service .....	4
<input type="checkbox"/>	AUTO 2145	Suspension and Steering System Service .....	4
<input type="checkbox"/>	AUTO 2159	Brake System and Service .....	4
<input type="checkbox"/>	AUTO 2164	Chassis Electrical Systems .....	3
<input type="checkbox"/>	AUTO 2166	Starting and Charging Systems .....	2
<input type="checkbox"/>	AUTO 2175	Automotive Climate Control and Services .....	4



(continued)

2018-2019

# Automotive Technician

Diploma

- AUTO 2183 Fuel and Ignition Management Systems ..... 6
- AUTO 2187 Automotive Computer Systems and Driveability ..... 4

Select three (3) credits from the following electives OR three (3) General Education/MnTC credits:

- AUTO 2130 Advanced Engine & Auto Transmission Diagnosis 3
- AUTO 2450 Fundamental Welding for Automotive..... 3

### General Education/MnTC Electives: 3 Credits

Select three (3) credit technical electives or three (3) General Education/MnTC credits:

- General Education/MnTC ..... 3

Also see: *Automotive Technician AAS*

### Start Dates

Fall Semester.....August

### Faculty Contact

[Dave Holmquist](#)..... 763-576-4187

[Dave Larson](#) ..... 763-576-4019

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](mailto:EnrollmentServices@anokatech.edu)

## Sample Program Sequence

Full Time

	Fall Semester	Spring Semester
1 <sup>st</sup> YEAR	AUTO 1000..... 1	AUTO 2005 ..... 2
	AUTO 1010..... 2	AUTO 2164 ..... 3
	AUTO 1167..... 5	AUTO 2166 ..... 2
	AUTO 2145..... 4	AUTO 2183 ..... 6
	AUTO 2159..... 4	<b>TOTAL ..... 13</b>
	<b>TOTAL ..... 16</b>	
2 <sup>nd</sup> YEAR	Fall Semester	Spring Semester
	AUTO 2006 ..... 2	AUTO 2007 ..... 2
	AUTO 2119 ..... 6	AUTO 2135 ..... 4
	AUTO 2129..... 6	AUTO 2175 ..... 4
	General Ed/MnTC <b>OR</b>	AUTO 2187 ..... 4
	AUTO 2130 <b>OR</b> 2450 ..... 3	<b>TOTAL ..... 14</b>
<b>TOTAL ..... 17</b>		