

Program Information

This program is intended to provide the successful automotive technician program graduate with additional knowledge and skills needed to accurately and cost effectively diagnose and repair the complex vehicle systems of today and tomorrow. Students will be provided extensive opportunities to develop and practice critical thinking skills and advanced automotive and light duty vehicle diagnostic processes. Lab work encompassing the understanding and use of advanced diagnostic tools and equipment in a diagnostic environment will also be an important part of this course.

Program Learning Outcomes

- Describe the application of advanced automotive and light duty vehicle electrical, electronic, and computer controlled system technology.
- Develop and practice the critical and creative thinking processes required to effectively and efficiently diagnose advanced automotive and light duty electrical, electronic, and computer controlled system technology.
- Develop and demonstrate the skills necessary to safely service and repair advanced automotive and light duty electrical, electronic, and computer controlled system technology.
- Demonstrate the ability to utilize computer based original equipment manufacturer vehicle service information systems.
- Use advanced level automotive diagnostic tools and test equipment.

Industry and Career Outlook

Automotive technicians in general are in high demand and short supply. Growth in this career is projected at 3.6% through 2026. This does not take into account the number of baby boomers that have and will continue to retire from the industry and need to be replaced now.

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

Certification Information

After successful completion of first semester courses, the student may elect to participate in the National Institute for Automotive Service Excellence (ASE) Certification testing in the following areas:

- A6- Electrical/Electronic Systems
- A8- Engine Performance
- A9- Light Vehicle Diesel Engines

After successful completion of second semester courses, the student may elect to participate in the National Institute for Automotive Service Excellence (ASE) Certification testing in the following areas:

- L1- Advanced Engine Performance Specialist
- L3- Light Duty Hybrid/Electric Vehicle Specialist

Admission Requirements

1. Application to Anoka Technical College
2. Must have one of the following
 - a. completion of an automotive training program with an award of a diploma or
 - b. completion of an automotive training program with an award of an Associate of Applied Science (AAS) or
 - c. Two years of work experience with letter of recommendation from employer
3. Interview with auto instructor for admission into program

Start Dates

Fall Semester.....August

Course Prerequisites

Some courses in this program may require a prerequisite. Please see [course descriptions](#) for more details.

Program Sequence

Fall Semester	16
<input type="checkbox"/> DIAG 2600	The Diagnostic Process..... 2
<input type="checkbox"/> DIAG 2620	Vehicle Networking and Service Programming .. 3
<input type="checkbox"/> DIAG 2640	Powertrain Control System Service..... 3
<input type="checkbox"/> DIAG 2660	Diagnosing Powertrain Control Systems..... 4
<input type="checkbox"/> DIAG 2680	Hybrid & Electric Vehicle Service..... 4
Spring Semester	16
<input type="checkbox"/> DIAG 2700	Diagnosing Hybrid & Electric Vehicles 4
<input type="checkbox"/> DIAG 2720	Diagnosing Noise, Vibration, & Harshness Issues..... 2
<input type="checkbox"/> DIAG 2740	Diagnosing Body Control Systems..... 4
<input type="checkbox"/> DIAG 2760	Diagnosing Chassis Control Systems..... 4
<input type="checkbox"/> DIAG 2780	Diagnosing Driveline Control Systems 2

Graduation Requirements

Students must earn a cumulative 2.0 GPA or higher to be eligible for graduation from this program.

Faculty Contact

[Dave McFarland](#) 763-576-4193
[Dave Holmquist](#) 763-576-4187

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 AAS degree & diploma



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