2023-2024

Automotive Technician

Associate of Applied Science (AAS) Degree

Technical Credits.....57
MnTC General Education Credits.....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 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

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.

InIndustry and Career Outlook

With more than 276,000,000 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.

Many technicians will perform a variety of repairs while others will seek additional training to specialize. Areas of specialization include the diagnosis and repair of engines or transmissions, electrical systems, driveability (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.

Wage information is available from the Minnesota Department of Employment and Economic Development.

Admission Requirements

Successful completion of the Automotive diploma or instructor approval.

Program Start Dates

Fall Semester.....August

Course Prerequisites

Some courses in this program may require a prerequisite. Please see course descriptions for more details.

MnTC General Education Requirements

This program requires completion of the following fifteen credits of general education from at least three goal areas of the Minnesota Transfer Curriculum (MnTC). Refer to the MnTC course list for elective courses:

☐ ENGL 1107 Composition 1 (Goal 1&2).....4
☐ MATH 1500 Mathematical Ideas (Goal 4).....3
☐ SOSC 2000 Sociology of Work (Goal 5).....4
☐ MnTC Electives.....4

Program Sequence

Fall Semester 16
☐ AUTO 1000 Orientation and Safety.....1
☐ AUTO 1010 General Auto Service.....2
☐ AUTO 1167 Vehicle Electronics 5
☐ AUTO 2145 Suspension and Steering System Service 4
☐ AUTO 2159 Brake System and Service 4
Spring Semester 20
☐ AUTO 2005 Supervised Internship I 2
☐ AUTO 2164 Chassis Electrical Systems 3
☐ AUTO 2166 Starting and Charging Systems 2
☐ AUTO 2183 Fuel and Ignition Management Systems 6
☐ MATH 1500 Mathematical Ideas 3
☐ MnTC Elective.....4
Fall Semester 18
☐ AUTO 2006 Supervised Internship II 2
☐ AUTO 2119 Engine Repair and Service 6
☐ AUTO 2129 Automatic Transmission Condition 6
☐ ENGL 1107 Composition I 4
Spring Semester.....18
☐ AUTO 2007 Supervised Internship III 2
☐ AUTO 2135 Manual Drive Train System and Service 4
☐ AUTO 2175 Automotive Climate Control and Service 4
☐ AUTO 2187 Automotive Computer Systems and Driveability 4
☐ SOSC 2000 Sociology of Work 4

Graduation Requirements

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

Faculty Contact

Dave Holmquist.....763-576-4187
Dave McFarland.....763-576-4193
Jim Talmadge.....763-576-4098

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 and Automotive Electronic Diagnostic Specialist Advanced diploma

ANOKA TECHNICAL COLLEGE
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