

AUTOMOTIVE SERVICE TECHNOLOGY

DIPLOMA - 60 CREDITS

About this program

The 60-credit diploma in Automotive Service Technology provides students with the essential skills and hands-on experience to excel in the fast-evolving automotive industry. Taught by industry experts, this program blends cutting-edge technology with real-world applications, preparing students for success in diagnosing, repairing and maintaining vehicles of all makes and models. The curriculum covers key areas, including engine performance, electrical systems, transmission repair, brake systems and diagnostic tools, ensuring students gain a comprehensive understanding of automotive service. Regularly reviewed by local and regional industry leaders, the program stays up to date with industry trends and technological advancements. Students benefit from practical, hands-on training in state-of-the-art labs, supported by instructors who are seasoned professionals with real-world expertise. With National Institute for Automotive Service Excellence (ASE) accreditation, this program is recognized for meeting the highest industry standards, enhancing employability and setting students up for career advancement in the automotive field.

Program outcomes

1. Exhibit safety precautions and professionalism. Maintain a clean and safe work environment following OSHA and manufacturer's guidelines.
2. Use computerized software programs to interpret, document and repair multiple vehicle platforms.
3. Perform diagnostic tests on vehicle operating systems. Follow and understand manufacturer flow charts and strategy-based diagnostics.
4. Perform vehicle repairs in accordance with manufacturer service guidelines, ensuring precision and adherence to industry standards.
5. Understand vehicle system designs and apply knowledge to repair and diagnose vehicles.
6. Handle customer needs, concerns and questions about repairs and service with professionalism and courtesy.

Curriculum overview

Crd	Requirement type
Total	

Developmental courses note: A student may be required to enroll in developmental courses in reading, writing and math. A student's scores on the Accuplacer assessment will determine enrollment in developmental courses. The purpose of developmental courses is to prepare students for the demands of a college-level curriculum. *Credits may vary.*

Accreditation: Minnesota State Community and Technical College is accredited by the Higher Learning Commission, a regional accreditation agency recognized by the U.S. Department of Education. The Higher Learning Commission 230 South LaSalle Street, Suite 7-500 Chicago, IL 60604-1411 <http://www.ncahigherlearningcommission.org> Phone: 312.263.0456 / 800.621.7440

Curriculum requirement details

Required courses

Other requirements or restricted electives



Course summaries



Locations:

