

Automotive Service Technician DIPLOMA

Program Overview

This program prepares technicians to perform automotive repairs on complex automobiles at the Technician level. Upon completion of the program students may qualify for the Master Technician designation by passing all 8 of the Automotive Service Excellence (ASE) tests. The program includes courses that ensure individuals have the necessary oral, written, and critical thinking skills to help them with supervisory and management responsibilities.

Students should have good mechanical aptitude, be in good physical condition and have the ability to get along with others. To profit from the training offered, the students must read well enough to understand the technical information presented.

Career Opportunities

Opportunities are expected to be plentiful for automotive technicians with technical training according to the U.S. Department of Labor.

The department also states that the growing complexity of automotive technology, such as the use of electronic and emissions control equipment increasingly necessitates that cars be serviced by professionals.

The auto technician may work in a dealership garage, an independent garage, or as a specialist. Opportunities exist for a technician to become shop service sales person, new car dealership service manager, or shop owner.

Program Outcomes

1. Graduates will be prepared to pass all 8 ASE tests.
2. Graduates will have the skills to perform repairs on automobiles at a Master Technician level.
3. Graduates will have proficient communication skills for customer service.
4. Graduates will have business and management skills required of an automotive service technician.

Transfer Opportunities

Saint Paul College has a transfer articulation agreement between the following program and post-secondary institution for the baccalaureate degree program listed below.

For more information please go to www.saintpaul.edu/Transfer.

Automotive Service Technician Diploma

BS Operations Management
Minnesota State University-Moorhead

Program Faculty

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Length of Program

This is a full-time, day and evening program. The program can be completed in four semesters. Students can enroll in the program only in the fall.

Tool costs

Students will need to supply their own basic tools and tool box.

The estimated cost for professional quality tools and tool box is approximately \$2,000–\$3,000.

Tool vendors will be on campus during the first week.

Program Requirements

Check off when completed

Successful completion of each semester in this program is a pre-requisite for participation in the following semester.

Course	Cr
<input type="checkbox"/> AUTO 1415 Introduction to Automotive Technology	4
<input type="checkbox"/> AUTO 1430 Brakes	4
<input type="checkbox"/> AUTO 1441 Alignment & Suspension	4
<input type="checkbox"/> AUTO 1510 Clutch/Driveline Manual Transmission	3
<input type="checkbox"/> AUTO 1523 Four Wheel Drive Differential	3
<input type="checkbox"/> AUTO 1530 Basic Electrical & Battery	3
<input type="checkbox"/> AUTO 1540 Basic Engine Management	3
<input type="checkbox"/> AUTO 1550 Heating & Air Conditioning	4
<input type="checkbox"/> AUTO 2410 Starting/Charging Systems	3
<input type="checkbox"/> AUTO 2420 Electrical Accessories	3
<input type="checkbox"/> AUTO 2430 Engine Theory & Repair	4
<input type="checkbox"/> AUTO 2440 Engine Installation	2
<input type="checkbox"/> AUTO 2450 Introduction to Auto Computers	2
<input type="checkbox"/> AUTO 2513 Fuel Systems	3
<input type="checkbox"/> AUTO 2520 Engine Drivability	3
<input type="checkbox"/> AUTO 2530 Automatic Transmission Theory	2
<input type="checkbox"/> AUTO 2542 Automatic Transmission Diagnosis & Repair	4
<input type="checkbox"/> AUTO 2550 Specialized Lab 1	2

Total Program Credits 56

Program Start Dates

Fall

Course Sequence

The following full-time sequence is recommended.

First Semester

AUTO 1415 Introduction to Automotive Technology	4
AUTO 1430 Brakes	4
AUTO 1510 Clutch/Driveline Manual Transmission	3
AUTO 1530 Basic Electrical & Battery	3
Total Semester Credits	14

Second Semester

AUTO 1441 Alignment & Suspension	4
AUTO 1523 Four Wheel Drive & Differential	3
AUTO 1540 Basic Engine Management	3
AUTO 1550 Heating & Air Conditioning	4
Total Semester Credits	14

Third Semester

AUTO 2410 Starting & Charging Systems	3
AUTO 2420 Electrical Accessories	3
AUTO 2430 Engine Theory & Repair	4
AUTO 2440 Engine Installation	2
AUTO 2450 Introduction to Auto Computers	2
Total Semester Credits	14

Fourth Semester

AUTO 2513 Fuel Systems	3
AUTO 2520 Engine Drivability	3
AUTO 2530 Auto Transmission Theory	2
AUTO 2542 Auto Tran Diagnosis & Repair	4
AUTO 2550 Specialized Lab 1	2
Total Semester Credits	14

Total Program Credits 56

Minimum Program Entry Requirements

Students entering this program must meet the following minimum program entry requirements:

Reading: Score of 60+ or grade of "C" or better in READ 0721

Writing: Any

Arithmetic: Score of 31+

Spatial assessment required: Score 10+

Shop/classroom visit recommended

Student must have a valid driver's license

Assessment Results and Prerequisites:

Students admitted into Saint Paul College programs may need to complete additional courses based on assessment results and course prerequisite requirements. Certain MATH, READ, and ENGL courses have additional prerequisites.

084D (7004)

*Information is subject to change.
This Program Requirements Guide is not a contract.*