

Automotive Master Technician, Certificate

2023-2024 Catalog

Award Granted Upon Completion: Certificate in Automotive Master Technician

Credits/Contacts Required: **53/80**

Major code: 04/407

CIP Code: 470604

Description

This certificate program, which takes two years to complete, emphasizes the development of skills in service, repair and diagnostic procedures. With state regulations, certification of auto technicians is required by law. The program provides an opportunity for students to prepare themselves for technician certification exams in all 8 areas. Year by year, as automotive systems become more sophisticated, there is an increasing demand for trained technicians who have the knowledge and skills to service the ever changing and improved products. Therefore, this certificate prepares the successful graduate for various jobs in the automotive service field, including: Dealership service technician, assistant or parts department manager, and a variety of skilled jobs in automotive manufacturing. By obtaining this certificate in all 8 areas, it will make you more marketable in the automotive industry. By working with an academic advisor, a successful Automotive Master Technician graduate can go on to earn an associate's degree.

Certificate Requirements (53 Credits)

- AUTO 100 - Automotive Engines **Credit(s): 5**
- AUTO 110 - Automotive Brakes **Credit(s): 5**
- AUTO 120 - Automotive Electrical I **Credit(s): 5**
- AUTO 130 - Automotive Standard Transmissions & Power Trains **Credit(s): 4**
- AUTO 140 - Automotive Engine Performance I **Credit(s): 5**
- AUTO 150 - Automotive Suspension & Steering **Credit(s): 5**
- AUTO 200 - Automotive Engine Performance II **Credit(s): 5**
- AUTO 220 - Automotive Electrical II **Credit(s): 5**
- AUTO 230 - Automatic Transmissions **Credit(s): 5**
- AUTO 270 - Automotive HVAC Systems **Credit(s): 3**
- AUTO 272 - Automotive Service Co-op **Credit(s): 6 ***

Suggested Sequences Per Semester

First Semester

- AUTO 110 - Automotive Brakes **Credit(s): 5**
 - AUTO 120 - Automotive Electrical I **Credit(s): 5**
 - AUTO 140 - Automotive Engine Performance I **Credit(s): 5**
- First Semester Total - Credit(s): 15 | Contacts: 24**

Second Semester

- AUTO 150 - Automotive Suspension & Steering **Credit(s): 5**
 - AUTO 200 - Automotive Engine Performance II **Credit(s): 5**
 - AUTO 220 - Automotive Electrical II **Credit(s): 5**
- Second Semester Total - Credit(s): 15 | Contacts: 24**

Third Semester

- AUTO 100 - Automotive Engines **Credit(s): 5**
 - AUTO 130 - Automotive Standard Transmissions & Power Trains **Credit(s): 4**
 - AUTO 272 - Automotive Service Co-op **Credit(s): 6**
- Third Semester Total - Credits: 15 | Contacts: 20**

Fourth Semester

- AUTO 230 - Automatic Transmissions **Credit(s): 5**
 - AUTO 270 - Automotive HVAC Systems **Credit(s): 3**
- Fourth Semester Total - Credit(s): 8 | Contacts: 12**

NOTES:

This certificate is designed for the Automotive Student that wishes to become Master Certified in all 8 Auto Areas.

*Automotive Service Co-op will be articulated upon completing 2 years of ISD Automotive Studies and meeting the attendance and achievement standards.

Equipment: Students are required to provide their own safety equipment, work clothes and basic hand tool set. A list is provided.

Estimated cost is between \$1,000 and \$2,500. Special student discounts are available. A quality set of hand tools is required by the second week of the semester for each course of the program, the co-op program and future employability.

NOTE: A valid driver's license is required for co-op.

This program curriculum is also certified by the National Automotive Technicians Education Foundation (NATEF) at the Master Level.