

AUTOMOTIVE SERVICE EXCELLENCE (ASE)-MASTER, SC

PSLO1: Identify, test, and interpret failed engine, powertrain, and emission components, and formulate repair strategies.

PSLO2: Demonstrate knowledge of the appropriate workplace skills and tools, including the application of personal and mechanical safety measures used in engine performance diagnosis and repair.

Program Description

The ASE Master Skills Certificate will introduce students to the theory, diagnosis, and hands-on skills to service and repair light-duty vehicles. Students will be introduced to the basic fundamentals of diagnosis and repair of engine fuel systems, ignition systems, and computerized fuel injection control sensors and components. The engine performance skills certificate will help prepare students to take the Automotive Service Excellence (ASE) Engine Performance (A8) exam. Students must pass all coursework with a score of 70% or higher.

This program is not eligible for financial aid. However, it may be eligible for scholarship funding if the student is awarded scholarships.

Automotive Career Map (<https://sites.tmcc.edu/flipbook/career-maps/>)

Recommended Course Schedule

1st semester		Units
AUTO 225	Engine Performance I	4
AUTO 227	Engine Performance II	4
AUTO 265	Electrical/Electronic Systems III	4
Semester Total		12
Total Units		12

Program Requirements

Skills Certificates can consist of a single course or a short set of courses that provide training for entry-level positions or career advancement. These short-term certificates may also prepare students to take state, national and/or industry-recognized certifications or licensing exams.

Skills certificates are awarded upon completion of coursework and marked on a student's transcripts at the end of the semester. Students cannot declare a skills certificate as one's major. Skills Certificates are not eligible for Financial Aid.

To earn a skills certificate, students must:

1. Maintain a minimum cumulative GPA of 2.0.
2. Have no financial or library obligation to the college.

Code	Title	Units
Certificate Requirements		
AUTO 225	Engine Performance I	4
AUTO 227	Engine Performance II	4
AUTO 265	Electrical/Electronic Systems III	4
Total Units		12

Program Outcomes

Students completing the certificate will: