

DEGREES & CERTIFICATES

AUTOMOTIVE MASTER ASSOCIATE OF SCIENCE (AS)

About the Program

The Associate of Science in Automotive Master degree will provide the skills necessary for students to qualify as trained entry-level technicians, as well as for career advancement. This program follows ASE and NATEF for the requirements of a Master automotive technician. It will create a pathway for students to become master ASE certified. Students work side-by-side and hands-on with industry professionals in a fully equipped and up-to-date facility.

Program Goals and Objectives

This program is CTE focused and will help students attain a job-ready state to gain employment in the Automotive industry.

Career Opportunities

Career opportunities include Teaching, Automotive Technician, Automotive Parts Personnel, Automotive Management, Shop Owners, and Automotive Performance Personnel

Program Outcomes

- Upon completion of AS in Automotive Master, students are able to diagnose engine mechanical issues.
- Upon completion of AS in Automotive Master, students are able to diagnose electrical issues.
- Upon completion of AS in Automotive Master, students are able to diagnose emission issues.

Learning and Career Pathway Maps

[View LPC Program Map](#)

Required Core: (61.5 Units)

AUTO A1 Engine Repair.....	4
AUTO A2 Automatic Transmission/Transaxle.....	4
AUTO A3 Manual Drive Train and Axles.....	4
AUTO A4 Suspension and Steering.....	4
AUTO A5 Brakes.....	4
AUTO A6 Electrical/Electronic Systems.....	5
AUTO A7 Automotive Heating and Air Conditioning.....	4
AUTO A8 Engine Performance.....	5
AUTO A9 Light Vehicle Diesel Engines.....	4
AUTO LABA Automotive Lab.....	2
AUTO LABB Automotive Lab Advanced.....	2
AUTO L1 Advanced Engine Performance.....	5
AUTO L1L2 Smog Level One and Level Two.....	5.5
AUTO L3 Light Duty Hybrid/Electric Vehicles.....	4
AUTO SDR Specified Diagnostic and Repair.....	5

List A: Select One (4 Units)

AUTO INTR Automotive Service and Introduction.....	4
AUTO INTL Automotive Service and Introduction Hands-On Lab and	2
AUTO INTZ Automotive Service and Introduction Lecture.....	2

Total Units for the Major..... 65.5

Program-Based GE: Select One (3 Units)

CMST 1 Fundamentals of Public Speaking.....	3
CMST 10 Interpersonal Communication.....	3

Additional General Education and Elective Units..... 16