

DEGREES & CERTIFICATES

AUTOMOTIVE LIGHT DUTY DIESEL ASSOCIATE OF SCIENCE (AS)

About the Program

The Associate of Science in Automotive Light Duty Diesel degree can provide the skills necessary for students to qualify as trained entry-level technicians, as well as for career advancement. Diesel technology is currently on the forefront of the automotive industry with the addition of several small diesel engines to the line up from most manufacturers. The emissions system on diesel are very complicated and this program will allow student to learn the emissions and drivability of diesel powered vehicles. 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 the AS in Automotive Light Duty Diesel, students are able to diagnose electronic diesel systems.
- Upon completion of the AS in Automotive Light Duty Diesel, students are able to repair diesel engine mechanical systems.
- Upon completion of the AS in Automotive Light Duty Diesel, students are able to diagnose and repair diesel turbo systems.

Learning and Career Pathway Maps

[View LPC Program Map](#)

Required Core: (40 Units)

AUTO LABA Automotive Lab.....	2
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

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.....44

Program-Based GE Requirement: Select One (3 Units)

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

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