

AUTO245L : Engine Performance I

This course prepares the student with the skills they need to service, diagnose, and repair fuel delivery, ignition and emission systems used on today's vehicles. Students will study four stroke theory and combustion theory for both spark ignited, and compression ignited engines. Students will study the emission concerns related to internal combustion engines and the systems and strategies used to control these emissions. Students will practice testing and diagnostic routines on vehicles with faults using scan tools, multi-meters, signal generators, pressure gauges and oscilloscopes.

Credits 4

Lab Hours 5

Class Hours 3

Prerequisites

[AUTO120L](#) with a grade of C- or better or Permission of Instructor