

Automotive

Automotive Maintenance and Light Repair

Program Description

This program is designed to prepare graduates for entry level employment in the automotive industry as apprentice technicians, lube technician, express service technician or parts specialist.

Certificate of Achievement

The Certificate of Achievement can be obtained by completing the 17-unit automotive major. All courses in the major must be completed with a minimum grade of C or a P if the course is taken on a pass-no pass basis.

Program Outcomes

Students who complete the Associate Degree will be technically proficient in entry level skills as defined by the National Automotive Technician's Education Foundation. (NATEF) by demonstrating:

1. Completion of 85 percent of the tasks established by NATEF.
2. Proper preventative maintenance procedures of the following systems:
 - Engine Systems
 - Automatic Transaxles/Transmissions
 - Manual Drivetrain
 - Suspension and Steering
 - Brakes
 - Electrical Systems
 - Heating and Air Conditioning
 - Hybrid and Alternative Fuel Vehicles
3. Proper safety procedures and techniques.
4. Efficient oral and written communication.
5. The ability to apply fundamental automotive technology principles.
6. Skills for successful employment in the field of Automotive Service and Repair

REQUIRED COURSES	Units
ATEC 070 Automotive Fundamentals	3
ATEC 130 Automotive Suspension and Steering	4
ATEC 131 Automotive Electrical Systems	4
ATEC 132 Automotive Brake Systems	4
ATEC 140 Hybrid Vehicle Maintenance and Repair	2
Total Units	17

*This is a Gainful Employment Program. For additional information, please visit
http://www.solano.edu/gainful_employment/ and select "Automotive Maintenance and Light Repair Technician."*