

AUTOMOTIVE TECHNICIAN ASSOCIATE OF SCIENCE DEGREE

- e. Apply the proper use of hand tools used on the automotive systems.
- f. Perform the service and repair of automotive systems.

The Automotive Technology curriculum is designed to concentrate on technically related courses in the repair of today's high-tech computerized automobile. Upon completion of the program, the degree holder will be able to seek employment as an entry level automobile repair technician in a dealership or the aftermarket service area, and can move into advanced automotive opportunities such as service advising and manufacturer corporate positions.

Code	Title	Units
Required Courses:		
AUTO 050	Automotive Brakes	3
AUTO 050L	Automotive Brakes - Laboratory	1
AUTO 052	Automotive Suspension and Steering	3
AUTO 052L	Automotive Suspension and Steering - Laboratory	1
AUTO 056	Automotive Heating and Air Conditioning	4
AUTO 062	Engine Performance	3
AUTO 062L	Engine Performance - Laboratory	1
AUTO 064	Auto/Truck Electrical Systems	4
or HMDT 064	Auto/Truck Electrical Systems	
AUTO 065	Electrical Systems Diagnosis and Repair	4
AUTO 075	Automatic Transmissions and Transaxles	3
AUTO 075L	Automotive Transmissions and Transaxles - Laboratory	1
AUTO 077	Manual Transmissions and Transaxles	3
AUTO 077L	Manual Transmissions and Transaxles - Laboratory	1
AUTO 084	General Automotive Technology	3
AUTO 084L	General Automotive Technology - Laboratory	1
AUTO 090	Engine Repair	3
AUTO 090L	Engine Repair - Laboratory	1
Total Units		40

To earn an SBVC Associate Degree students must complete one of the following general education patterns:

SBVC GE requirements (<https://www.valleycollege.edu/student-services/counseling/graduation-requirements/>)

CSU GE requirements (<https://www.valleycollege.edu/student-services/counseling/csuge/>)

IGETC requirements (<https://www.valleycollege.edu/student-services/counseling/igetc/>)

Program Learning Outcomes

At the completion of this program, students will be able to:

- a. Identify auto shop safety practices.
- b. Explain the utilization of automotive system tools.
- c. Summarize the theory and concepts of the automotive systems.
- d. Practice auto shop safety.