

# AUTOMOTIVE WHEEL ALIGNMENT AND BRAKES ASSOCIATE OF SCIENCE DEGREE

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The degree prepares students for entry-level work in front wheel and four-wheel alignment and brake repair. The technician can move into advanced automotive opportunities such as service advising and manufacturer corporate positions.

Code	Title	Units
<b>Required Courses:</b>		
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 064	Auto/Truck Electrical Systems	4
or HMDT 064	Auto/Truck Electrical Systems	
AUTO 084	General Automotive Technology	3
AUTO 084L	General Automotive Technology - Laboratory	1
MATH 102	College Algebra	4
<b>Total Units</b>		<b>20</b>

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 brake, suspension, electrical, and preventative maintenance systems tools.
- c. Summarize the theory and concepts of the automotive brake, suspension, electrical and preventive maintenance systems.
- d. Demonstrate and practice auto shop safety.
- e. Apply the proper use of hand tools used on the automotive brake, suspension, electrical and preventive maintenance systems.
- f. Perform the service and repair of automotive brake, suspension, electrical and preventative maintenance systems.