

AUTOMATIC AND MANUAL TRANSMISSION ASSOCIATE OF SCIENCE DEGREE

This degree prepares students to gain entry-level employment in maintenance and repair of automotive and hybrid vehicle transmissions. Transmission technicians work with some of the most advanced technology in the auto service industry, including computer command control on electronic gear trains, couplings, hydraulic pumps and other transmission components. To graduate with a specialization in Automatic and Manual Transmissions, students must complete all requirements for the certificate with a grade of C or better plus the general breadth requirements for the Associate of Science Degree (minimum total = 60 units).

Code	Title	Units
Required Courses		
AUTO 064 or HMDT 064	Auto/Truck Electrical Systems	4
AUTO 075	Automatic Transmissions Rear Wheel Drive	4
AUTO 077	Manual Transmissions and Transaxles	4
AUTO 084	General Automotive Technology	4
AUTO 090	Engine Repair	6
Total Units		22

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:

- Read and interpret automotive service manuals
- Write accurate repair orders, requests, reports and estimates
- Diagnose and repair automatic transmissions
- Diagnose and repair automatic transaxles
- Diagnose and repair manual transmissions and drive train
- Diagnose and repair engines
- Diagnose and repair electrical systems