

# AUTOMOTIVE TECHNOLOGY CHASSIS SPECIALIST ASSOCIATE IN SCIENCE AND CERTIFICATE OF ACHIEVEMENT



Many businesses need technicians with very specific skills to diagnose and repair complex problems of brakes, suspension, and dynamic vehicle driving systems. This specialized degree includes antilock braking, electronic suspension, and alignment training. Successful students will qualify to take the California Bureau of Automotive Licensing exams for Brake and Lamp licensing. Work experience is a requirement for this major, which ensures student competency and success. All students are required to complete a digital portfolio resume used for assessment and practicum. Students completing all courses and general education courses will receive an Associate in Science during Commencement. Students completing all automotive course requirements will receive a Certificate of Achievement during Commencement.

## Program Learning Outcomes

Upon successful completion of this certificate, students will be able to:

- Accurately describe and demonstrate knowledge of various automotive brake, steering, and suspension systems.
- Diagnose and repair automotive chassis systems by performing necessary actions.
- Communicate effectively and professionally in a diverse setting that includes colleagues, clients, and supervisors.
- Comply with environmental health and safety regulations at the state and federal levels.

## Associate in Science Degree Requirements

Code	Title	Units
AUTO-131	Manual Transmission and Transaxle Repair	1
AUTO-131L	Manual Transmission and Transaxle Repair Laboratory	1
AUTO-131T	Manual Transmission and Transaxle Repair Assessment Test Out	0.5
AUTO-132	Differential and 4WD Systems Diagnosis and Service	1
AUTO-132L	Differential and 4WD Systems Laboratory	1
AUTO-132T	Differential and 4WD Systems Assessment Test Out	0.5
AUTO-143	Steering and Suspension Diagnosis and Repair	1
AUTO-143L	Steering and Suspension Diagnosis and Repair Laboratory	1

AUTO-143T	Steering and Suspension Diagnosis and Repair Assessment Test Out	0.5
AUTO-144	Noise, Vibration, and Harshness	0.5
AUTO-144L	Noise, Vibration, and Harshness Laboratory	1
AUTO-144T	Noise, Vibration, and Harshness Assessment Test Out	0.5
AUTO-151	Brake System Diagnosis and Repair	2
AUTO-151L	Brake System Diagnosis and Repair Laboratory	1
AUTO-151T	Brake System Diagnosis and Repair Assessment Test Out	0.5
AUTO-153	Advanced Brake System Diagnosis and Repair	2
AUTO-153L	Advanced Brake System Diagnosis and Repair Laboratory	1
AUTO-153T	Advanced Brake System Assessment Test Out	0.5
AUTO-161	Electrical Diagnosis and Repair	2
AUTO-161L	Electrical Diagnosis and Repair Laboratory	1
AUTO-161T	Electrical Diagnosis and Repair Assessment Test Out	0.5
AUTO-162	Electronics Diagnosis and Repair	2
AUTO-162L	Electronics Diagnosis and Repair Laboratory	1
AUTO-162T	Electronics Diagnosis and Repair Assessment Test Out	0.5
AUTO-212	Automotive Work Experience <sup>1</sup>	12

**Total Units** **35.5**

Plus General Education Requirements (<https://catalog.gccd.edu/cuyamaca/degree-requirements-transfer-information/>)

<sup>1</sup> Must be taken for a total of 12 units.

## Certificate of Achievement

Students who complete the requirements above qualify for a Certificate in Automotive Technology Chassis Specialist. An official request must be filed with the Admissions and Records Office prior to the deadline as stated in the Academic Calendar.