AUTOMOTIVE TECHNOLOGY ENGINE PERFORMANCE SPECIALIST ASSOCIATE IN SCIENCE AND CERTIFICATE OF ACHIEVEMENT

Many businesses need technicians with very specific skills to repair emission system failures or complex problems relating to the fuel, ignition, and/or engine systems. This specialized degree includes hybrid and electric vehicle, and gasoline and diesel fuel systems training. Successful students will qualify to take the California Bureau of Automotive Licensing exams for Smog Inspector and Repair 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 Associates of 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 emission control systems.
- Diagnose and repair automotive emission control 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-111	Engine Diagnosis and Repair	2
AUTO-111L	Engine Diagnosis and Repair Laboratory	1
AUTO-111T	Engine Diagnosis and Repair 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-181	Engine Performance I Ignition and Fuel Systems	2
AUTO-181L	Engine Performance I Ignition and Fuel Systems Laboratory	1
AUTO-181T	Engine Performance I Ignition and Fuel Systems Assessment Test Out	0.5
AUTO-183	Engine Performance II Intake Exhaust and Emission Systems	2
AUTO-183L	Engine Performance II Intake Exhaust Emission Systems Laboratory	1
AUTO-183T	Engine Performance II Intake Exhaust Emission Systems Assessment Test Out	0.5
AUTO-194	Diesel Engine Performance and Diagnosis	2
AUTO-194L	Diesel Engine Performance and Diagnosis Laboratory	1
AUTO-194T	Diesel Engine Performance and Diagnosis Assessment Test Out	0.5
AUTO-283	Advanced Engine Performance	1
AUTO-283L	Advanced Engine Performance Laboratory	1
AUTO-283T	Advanced Engine Performance Assessment Test Out	0.5
AUTO-284	Level I Inspector Training Emission Control License	2
AUTO-284L	Level I Inspector Training Emission Control License Laboratory	1
AUTO-284T	Level I Inspector Training Emission Control License Assessment Test Out	0.5
AUTO-285	Level II Inspector Training Emission Control License	1
AUTO-285L	Level II Inspector Training Emission Control License Laboratory	1
AUTO-285T	Level II Inspector Training Emission Control License Assessment Test Out	0.5
AUTO-263	Advanced Electronics	1
AUTO-263L	Advanced Electronics Laboratory	1
AUTO-263T	Advanced Electronics Assessment Test Out	0.5
AUTO-264	Hybrid and Electric Vehicle Operation and Diagnosis	1
AUTO-264L	Hybrid and Electric Vehicle Operation and Diagnosis Laboratory	1
AUTO-264T	Hybrid and Electric Vehicle Operation and Diagnosis Assessment Test Out	0.5
AUTO-212	Automotive Work Experience [1]	12
Total Units		**46.5**

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

[1] 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 Engine Performance Specialist. An official request must be filed with the Admissions and Records Office prior to the deadline as stated in the Academic Calendar.