

Associate in Science Degree: Automotive Technology

The Automotive Technology program is a comprehensive two-year program designed to prepare students with the industry defined entry-level skills needed for an automotive technician position in a variety of settings including dealerships, independent automotive repair facilities or city/county agencies. Students may opt to complete an associate in science degree or a certificate of achievement in Automotive Technology. The program provides in-depth training with extensive hands-on experiences. In the classroom, students learn the theoretical aspects of automotive diagnosis, repair and service. In the automotive laboratory setting students will experience applying the theory learned in the classroom. Upon completion of the course work required for the certificate or major, students will have achieved competencies in the areas of brakes, suspension, electrical components and wiring, transmissions, engine diagnosis and drivability. While many automobile dealerships require technicians to acquire manufacturer specialty training, the basic skills and knowledge needed to enter specialty training will be obtained in the Automotive Technician program at College of the Canyons.

Degree and Certificate Student Learning Outcome:

Students will be able to demonstrate proficiency in the core skills and knowledge required for employment in the automotive industry.

Program Requirements:

Units Required: 38

	Units:
AUTECH-110 Introduction to Automotive Technology	4.0
AUTECH-112 Engine Fundamentals for Technicians	3.0
AUTECH-113 Engine Overhaul	2.0
AUTECH-114 Basic Automotive Electrical Systems	3.0
AUTECH-135 Engine Performance	4.0
AUTECH-140 Automotive Suspension & Steering Systems	3.0
AUTECH-150 Automotive Brake Systems	4.0
AUTECH-170 Automotive Heating, Ventilation & Air Conditioning	3.0
AUTECH-180 Engine Mechanical Maintenance and Light Repair	3.0
AUTECH-185 Automotive Chassis Maintenance and Light Repair	3.0

Plus one course from the following:

AUTECH-120 Automatic Transmissions & Transaxles	5.0
AUTECH-130 Automotive Manual Transmissions & Drive Train Systems	5.0

Plus a minimum of one unit from the following:

WE-186AUTO	Work Experience Education Automotive Technology	1.0 – 4.0
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