

AUTOMOTIVE TECHNOLOGY CERTIFICATE

PROGRAM CODE: 2C21270

The **Automotive Technology Certificate** allows the student flexibility to study in all areas of automotive repair or to focus on a series of courses in a particular area of repair. It incorporates electives for students to acquire skills in other Career Technical Education areas that are often required in the automotive career path. The Automotive Technology Certificate Program is designed to prepare students for employment in the automotive industry as automotive technicians, apprentice mechanics, automotive parts distributor or salesperson, or specialists in one of the many areas in, or jobs related to, the automotive industry. This certificate requires a total of 33.5-41.5 units. A grade of C or better is required for each course taken. At least half the units toward the certificate must be taken at Fullerton College.

Code	Title	Units
Restricted Electives (28.5-35.5 units):		28.5-35.5
AUTO 100 F	Automotive Fundamentals (formerly AUTO 131 F)	4.5
AUTO 110 F	Automotive Engine Rebuilding (formerly AUTO 081 F)	8
AUTO 111 F	Automotive Engine Repair (formerly AUTO 070 F)	7
AUTO 112 F	Automotive Cylinder Head Repair (formerly AUTO 091 F)	4
AUTO 120 F	Automatic Transmission Fundamentals (formerly AUTO 086 F)	3
AUTO 121 F	Automatic Transmissions (formerly AUTO 084 F)	8
AUTO 130 F	Automotive Powertrains (formerly AUTO 060 F)	5
AUTO 140 F	Automotive Suspension and Wheel Alignment (formerly AUTO 083 F)	8
AUTO 150 F	Automotive Brake Systems (formerly AUTO 073 F)	7
AUTO 160 F	Automotive Electrical and Electronic Systems (formerly AUTO 065 F)	5
AUTO 170 F	Automotive Heating and Air Conditioning (formerly AUTO 089 F)	4
AUTO 180 F	Automotive Engine Performance and Drivability (formerly AUTO 082 F)	8
AUTO 181 F	Automotive Fuel Systems and Advanced Drivability Diagnosis (formerly AUTO 088 F)	4
AUTO 182 F	Automotive Emission Control Systems and Advanced Diagnosis (formerly AUTO 090 F)	6
AUTO 195 F	Automotive Specialty Practice (formerly AUTO 050 F)	2
AUTO 196 F	Automotive Internship (formerly AUTO 051 F)	2-4
AUTO 197 F	Automotive Service Management (formerly AUTO 055 F)	3
Restricted Electives (5-6 units):		5-6
MACH 116 F	Machine Tools	2
TECH 081 F	Technical Mathematics I	3

WELD 100 F	Introduction to Welding (formerly WELD 121AF)	3
WELD 120 F	Gas Shielded Arc Welding	3
Total Units		33.5-41.5

Outcome 1: Demonstrate safe work habits when using tools and equipment to repair automotive systems and comply with all local, state, federal, and international regulations regarding hazardous waste handling, disposal, and record keeping.

Outcome 2: Evaluate vehicle malfunctions, demonstrate diagnostic procedures, interpret diagnostic test results, recommend repair or corrective action, and proficiently perform vehicle repairs following vehicle manufacturers' specifications.

Outcome 3: Compose a written vehicle repair estimate including parts and labor, collaborate with other staff members to inform the customer, and summarize the repairs performed on a vehicle repair order using the industry standard.

Outcome 4: Plan or participate in automotive technology update training and certification testing to stay current with emerging automotive repair skills and industry needs.

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