

ADVANCED TRANSPORTATION TECHNOLOGY - CERTIFICATE OF ACHIEVEMENT

Plan Code: 3952

The Advanced Transportation Technology Certificate of Achievement is designed to provide students with the knowledge and skills needed for today's technicians, service writers, and parts support specialists. The degree is designed to successfully prepare students for employment with entry and mid-level technician, service writer, and parts support specialist positions at dealerships, the ports of Long Beach and Los Angeles, and transit. The program focuses on the industry standard of fix-it-right scores by providing students with the opportunity to develop skills and resolve real-world customer concerns.

Program Student Learning Outcomes

- Analyze and demonstrate technical knowledge and practical skills to properly and accurately diagnose and repair advanced propulsion systems used in electric, hybrid, and Compressed Natural Gas vehicles.

Program Requirements

Code Number	Course Title	Units
REQUIRED COURSES		
AUTO 200	Introduction to Automotive Technology	3
AUTO 202	Automotive Tire Service	1
AUTO 203	Automotive Brake Inspection	1
AUTO 216	Automotive Electrical Systems	3
AUTO 230	Automotive Computer Systems	3
AUTO 270		

Plan Code: 3938

The Electric & Hybrid Vehicles Certificate of Achievement is designed to provide students with the knowledge and skills needed for today's technicians, service writers, and parts support specialists. The degree is designed to successfully prepare students for employment with entry and mid-level technician, service writer, and parts support specialist positions at automotive dealerships, the ports of Long Beach and Los Angeles, and transit. The program focuses on the industry standard of fix-it-right scores by providing students with the opportunity to develop skills and resolve real-world customer concerns.

- Define the pros and cons of various types of propulsion systems to include electric vehicles and hybrid fueled vehicles.
- Formulate diagnostic strategies for resolving vehicle concerns.

Code Number	Course Title	Units
REQUIRED COURSES		
AUTO 200	Introduction to Automotive Technology	3
AUTO 216	Automotive Electrical Systems	3
AUTO 230	Automotive Computer Systems	3
AUTO 270	Intro to Hybrid and Electric Vehicles	3
AUTO 280	Light Duty Electric Vehicles	3
AUTO 281	Light Duty Hybrid Vehicles	3
Total Units		18