

# ADVANCED TRANSPORTATION TECHNOLOGY - CERTIFICATE OF ACHIEVEMENT

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Plan Code: 3952

This program 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     |
|-------------------------|--|-----------|
| <b>REQUIRED COURSES</b> |  |           |
| AUTO 200                | Introduction to Automotive Technology    | 3         |
| AUTO 201                | Automotive Lubrication Service           | 1         |
| 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                | Intro to Hybrid and Electric Vehicles    | 3         |
| AUTO 271                | Introduction to Alternative Fuel Systems | 3         |
| AUTO 280                | Light Duty Electric Vehicles             | 3         |
| AUTO 281                | Light Duty Hybrid Vehicles               | 3         |
| AUTO 282                | Light Duty Alternative Fuels             | 3         |
| AUTO 283                | Light Duty EV Powertrain Diagnostics     | 3         |
| AUTO 292                | Heavy Duty Alternative Fuels             | 3         |
| <b>Total Units</b>      |  | <b>33</b> |