

AUTOMOTIVE TECHNOLOGY – AUTOMOTIVE ELECTRICAL SYSTEMS TECHNICIAN – CERTIFICATE OF ACHIEVEMENT

Top Code:

0948.00

The curriculum provides students with a strong foundation for the completion of other Automotive Technology certificates, including Electrical/Electronic Systems and All Automotive Systems. Automotive professionals who wish to update and/or upgrade their knowledge and skill set in automotive electrical/electronic systems will benefit from completion of this certificate. Students will gain valuable hands-on experience in proper diagnostic and service techniques used in automotive electrical/electronic systems. The use of precision measuring equipment and specialty tools are emphasized. Students are encouraged to take the Automotive Service Excellence (ASE) exam for electrical/electronic systems (A6). ASE Students Examinations are administered within program courses.

This program has lab fees, uniform, and DMV requirements. This curriculum is National Technicians Education Foundation (NATEF) approved and renewed in 2016.

A Certificate of Achievement is awarded upon completion of all required courses with a grade of C or better.

Program Outcomes

- Apply electrical/electronic systems theories of operation to practical diagnostic scenarios encountered during electrical/electronic automotive service and repair.
- Demonstrate the safe set up and operation of diagnostic, hand, and special service tools utilized by the electrical/electronic automotive repair industry.
- Develop diverse skill sets pertaining to the National Automotive Technician Education Foundation (NATEF) electrical/electronic systems performance tasks.
- Develop an electrical/electronic systems technician skill set, including basic customer service and writing skills to follow the legal aspects outlined by the California Bureau of Automotive Repair standards.

Requirements for the Certificate of Achievement

Code	Title	Units
AUTO 200	AUTOMOTIVE FUNDAMENTALS FOR TECHNICIANS	4
AUTO 206A	BASIC AUTOMOTIVE ELECTRICAL SYSTEMS	4

AUTO 206B	AUTOMOTIVE ELECTRICAL SYSTEMS	4
Total Units		12

Recommended Electives

Code	Title	Units
ELTY 012	BASIC ELECTRICITY – ELECTRONICS	2
ELTN 109A	APPLIED ALGEBRA FOR ELECTRONICS	4

Visit the Program Mapper (<https://pasadena-city.programmapper.ws/academics/interest-clusters/7e85bdcc-be06-405f-9845-b8b63e49f8c6/programs/613b55ce-f6ac-d8f4-df2e-4b483b587c8f/>) for a suggested sequence of courses.

This Certificate of Achievement is not eligible as a major for an Associate Degree.