

CTE Automotive Electrical

- PS 1 Demonstrate and apply all safety and pollution prevention training in accordance with NATEF current practices.
- PS 2 Research, interpret and apply electrical system concern information.
- PS 3 Diagnose electrical integrity of series, parallel, and series-parallel circuits using principles of electricity (Ohm's Law).
- PS 4 Demonstrate the proper use of electrical test equipment.
- PS 5 Demonstrate the proper use of electrical system service equipment.
- PS 6 Interpret and determine electrical system repair using electrical wiring diagrams.
- PS 7 Analyze, evaluate, and demonstrate service of the automotive battery and related components.
- PS 8 Analyze, evaluate, and demonstrate service of the automotive starting system and related components.
- PS 9 Analyze, evaluate, and demonstrate service of the automotive charging system and related components.
- PS 10 Inspect, analyze, and service exterior accessory systems.
- PS 11 Analyze, evaluate, and demonstrate service of the automotive lighting systems and related components.
- PS 12 Inspect, analyze, and service interior accessory systems.
- PS 13 Analyze electronic engine controls using an oscilloscope.
- PS 14 Establish, prioritize, and apply employability skills and workplace readiness skills as required by entry-level employers within the specific career and technical education content area.
- PS 15 9-10.RST.4 Determine the meaning of symbols, key terms, and other domain-specific words and phrases as they are used in a specific scientific or technical context relevant to grades 9–10 texts and topics.
- PS 16 9-10.RST.7 Translate quantitative or technical information expressed in words in a text into visual form (e.g., a table or chart) and translate information expressed visually or mathematically (e.g., in an equation) into words.
- PS 17 9-10.WHST.6 Use technology, including the Internet, to produce, publish, and update individual or shared writing products, taking advantage of technology's capacity to link to other information and to display information flexibly and dynamically.
- PS 18 9-10.WHST.8 Gather relevant information from multiple authoritative print and digital sources, using advanced searches effectively; assess the usefulness of each source in answering the research question; integrate information into the text selectively to maintain the flow of ideas, avoiding plagiarism and following a standard format for citation