

Summer Electrical Workshops

BASIC ELECTRICAL WORKSHOP: TROUBLESHOOTING & REPAIR

Dallas Campus, Pharr Trade and Industrial Center (PTI), Room 120

Cost: \$149 • 40 Hours

Tuesdays & Thursdays • May 22 - June 21 • 5:30 – 9:30 PM

Course Description

This course introduces the care/usage of tools and materials used in electrical installations. Topics include NEC, electrical safety; lighting; overcurrent protection; conductors; and branch circuits. Upon completion, students should be able to properly identify and correct wiring issues, and effectively use electrical distribution equipment associated with electrical installations.

PLC PROGRAMMING WORKSHOPS: FROM INTRODUCTION TO APPLICATION

INTRODUCTION TO PLC

Dallas Campus, Pharr Trade and Industrial Center (PTI), Room 119

Cost: \$249 • 16 Hours

Tuesdays & Thursdays • May 22 - 31 • 8:30 am – 12:30 pm

Course Description

This course introduces the programmable logic controller (PLC) and its associated applications. Topics include ladder logic diagrams, input/output modules, power supplies, surge protection, selection/installation of controllers, and interfacing of controllers with equipment. Upon completion, students should be able to understand basic PLC systems and create simple programs.

PLC PROGRAMMING & APPLICATION

Dallas Campus, Pharr Trade and Industrial Center (PTI), Room 119

Cost: \$349 • 32 Hours

Tuesdays & Thursdays • June 4 - 28 • 8:30 am – 12:30 pm

Course Description

This course provides a detailed study of programmable logic controller (PLC) applications, with a focus on design of industrial controls using the PLC. This course will help maintenance technicians, electricians and other professionals modify and write PLC programs. Topics include PLC components, memory organization, math instructions, documentation, input/output devices, and applying PLCs in industrial control systems. Upon completion, participants will be able to select and program a PLC system to perform a wide variety of industrial control functions.

**Register online through www.gaston.edu/WebAdvisor
for Continuing Education, or contact**

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