

# Electrician Training Program

## Workforce and Education Course

San Angelo Campus



HOWARD COLLEGE



### Schedule

Semester 1:

8/14/23–12/6/23

Semester 2:

TBA

Monday/Wednesday

6:00PM–8:30PM

## ELECTRICIAN TRAINING PROGRAM

### Course Description:

The Electrical training program allows students advanced placement into the second year of the nationwide IBEW/NECA Electrical Apprenticeship Training program OR earn up to the equivalent of a Certificate Level 3 of CW/CE. Students will study electrical code and safety, DC theory, residential blueprints, residential and commercial wiring, and pipe bending. Students will learn theory in a classroom and apply knowledge in a hands-on lab.

### Learning Outcomes:

- Explain atomic structure and basic electrical values such as voltage, current, resistance, and power; calculate electrical values for series, parallel, and combination circuits; and utilize electrical measuring instruments.
- Compute the circuit sizes needed for the installation of branch circuits; explain the proper installation of wiring devices; demonstrate grounding methods; and install ground fault circuits.
- Interpret electrical blueprints/drawings; compute circuit sizes and overcurrent protection; identify commercial wiring methods including conduit bending; and demonstrate safety procedures.
- Discuss key regulations, codes, and standards of the local electrical industries; and describe personal protection.
- Apply theory, concepts, and skills involving specialized materials, tools, equipment, procedures, regulations, laws, and interactions associated with the occupation and the business/industry; and will demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and verbal communication skills.

For more information contact Howard College Workforce Training Department at 325-481-8322

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### Cost

Semester 1: \$1,352.74

(Toolkit and curriculum included)

Semester 2: \$577.00



### Location

Howard College

San Angelo, TX

WTTC 106