

# NORTH MONTCO TECHNICAL CAREER CENTER INDUSTRIAL ELECTRIC

The Industrial Electric program encompasses residential, commercial and industrial fields of electricity, and also includes low-voltage systems, involving communication voice data and security systems. The program consists of instruction in electrical AC-DC theory, National Electric Code, wiring methods and industrial applications

## **What you will learn:**

- Residential electricity
- Commercial electricity
- Industrial electricity
- Communication voice data and security systems
- National Electric Code
- Wiring methods and various conduits
- Electrical AC-DC theory
- Associated math relative to electrical studies

## **Physical criteria:**

- Manual dexterity
- Heavy lifting/carrying
- Strong eye/hand coordination
- Physical stamina/strength
- Pushing/pulling
- Good depth and color perception

## **Class of 2011 graduation plans:**

- 80% plan to continue their education in this field
- 20% found employment in this field

## **Uniform/equipment list:**

### **(With approximate costs)**

- Safety glasses (\$5)
- Leather shoes or work boots (\$40)
- 20' tape measure (\$10)
- Solar powered calculator (\$5)
- National Electric Code Book (\$40-\$80)
- White 3 ring binder, dividers, sheet protectors (\$10)

## **Career possibilities:**

- Electrician's Helper
- Residential Wiremen
- Commercial Wiremen
- Industrial Wiremen

## **Career possibilities with additional education:**

- Electrical Contractor
- Electrical Engineer
- Journeyman Electrician

## **Certifications students can earn:**

- General Industry Safety (OSHA)
- CPR, AED, & First Aide

**North Montco Technical Career Center**  
**1265 Sunneytown Pike, Lansdale, PA 19446**  
**215-368-1177 • [www.nmtcc.org](http://www.nmtcc.org)**

Northern Montgomery County Technical Career Center does not discriminate in regard to race, color, age, national origin, sex, disability, or any applicable Federal Statute. Inquiries should be made to the Director, North Montco Technical Career Center