

# ELECTRICAL INSTALLATION

## CTE REQUIREMENTS



This program emphasizes the knowledge and practical skills required for entry-level craft workers with a narrow focus on electrical installation. Students will be able to not only build construction knowledge but also acquire the knowledge needed to be a professional in the construction industry. Topics covered are basic electrical circuitry, residential wiring, motor controls, and construction site safety training.

09

NINTH  
GRADE

Exploratory  
(1 Period)

10

TENTH  
GRADE

Basic Electrical circuitry &  
NCCER Core  
(2 Periods)

NCCER Core and SnapOn 596  
Multimeter Certifications

11

ELEVENTH  
GRADE

Residential and Commercial  
Wiring & Troubleshooting  
(3 Periods)

NCCER Core Level 1 Certification

12

TWELTH  
GRADE

Motor Controls, Copper-Based  
Cabling & Networking, Energy  
Management Systems & OSHA-30  
(3 Periods)

OSHA-30 Construction Industry,  
10-hours Site Safety Training,  
Copper-based Cabling &  
Networking, and Energy  
Management Systems Certifications

+

WORK  
BASED  
LEARNING

60 hrs through  
industry exposure  
and various  
activities embeded  
in classes & by  
participating in  
internships.

CCR

CAREER &  
COLLEGE  
READY

1 Math Regents Exam (70+)

1 ELA Regents Exam (75+)

4 years of Math or Science

At least one (1) college course through LaGuardia Community College  
offered during junior or senior years