

Electrical Systems Technology will cover a wide range of skills necessary to work in residential and commercial construction settings. Students will be exposed to industrial wiring to learn installation and operation of motor and controls systems. Throughout this course, students will apply advanced electrical concepts to a wide range of complex projects and learn to troubleshoot circuits for safe and efficient operation. Students who enjoy doing something different everyday will find this program a rewarding choice.

## SKILLS LEARNED:

- Electrical safety procedures
- Troubleshooting electrical circuits
- Conduit bending
- Blueprint interpretation
- Test equipment usage
- Articles of the National Electrical Code application
- Installation of:
  - Rough-in wiring methods
  - Distribution systems
  - Motors and Lighting systems

## UNIFORM DETAILS:

Uniforms are ordered through the Apollo website. All students who were accepted prior to the first day of school are expected to be in uniform by September 14th. Students accepted within the first two weeks of school must be in uniform by October 1st. Students who are not in uniform by these deadlines may be sent home or have daily grade reductions for professionalism.

### Required to be purchased through online portal:

- Black T-shirt (recommend getting 2-3)
- (1) Heavy Blend Hoodie

### Optional to be purchased through online portal:

- Short sleeve work shirt
- Long sleeve t-shirt
- Work coat

### Can be purchased anywhere:

- Work boots (steel toe not required)
- Tan work pants (Carhartt, Dickies, Wranglers, Blue Mountain or equal)

## CREDENTIALS STUDENTS CAN EARN:

- NCCER Core Curricula (6 points)
- NCCER Electrical Level 1 Certification (6 points)
- OSHA 10HR Training (1 point)
- First Aid/CPR Certification (1 point)
- Aerial Lift Certification (1 point)

## STUDENT PURCHASED TOOLS:

- Your instructor will have more information for you about tools during home visits.

## TYPICAL SCHOOL DAY SCHEDULE:

- 8:00 am – 2:25 pm
  - Buses leave at 2:20
  - Drivers at 2:25
- First-year students have lab in the morning and second-year students have lab in the afternoon.
  - Some schedules may vary.



## INSTRUCTOR

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