

# Electrical Trades

Toms River Center  
Jackson Center

2 Year Program

Kristian DesJardin  
Tom Allen

**T**his course deals with residential and light commercial electrical wiring for power and lighting. Various types of control devices for power, lighting and security are also introduced. Students are taught how to use several varieties of electrical test equipment. The basics of transformer and motor theory are introduced.

## Skills You Will Learn

- Proper use of tools and safe industry work practices
- Installation methods for various types of outlet and device boxes, cables, conduits and service equipment
- Load calculations for residential branch circuits, feeders and services
- Basic introduction to the National Electrical Code
- Electrical Theory

## Preferred Skills for Career Field:

*You should prefer:*

- Customer interaction
- Pride in workmanship
- Continuing education in the field

*You should be able to:*

- Think and problem solve on your own
- Apply your skills to the job at hand
- Differentiate colors
- Work indoors and outdoors year round
- Work at heights in excess of 15 to 20 feet

## Related Job Titles

Residential/Commercial Electrical Apprentice  
Video and Data Installation Technician  
Entry Level Fiber Optic Technician  
Fire Alarm, Security and/or Audio Systems  
Installer

## Career Ladder

Supervisory and management positions  
Union Apprenticeship  
Electrical Contractor License  
System design  
Code Enforcement  
Trade and Code Instruction

## Continuing Education

OCVTS Evening Apprenticeship Program  
Two or Four-year Colleges  
Technical Schools  
Equipment/Manufacturers' Training  
CEU classes for maintenance of Journeyman,  
Contractor and/or Inspector Licensing

**Upon successful completion of this two-year program and an end of program assessment, students will receive advanced standing in the OCVTS Apprenticeship program.**