

Electrical Trades/Integrated Cabling Technology

Toms River Center
Jackson Center

2 Year Program

Tom Pernal
Tom Allen

This course deals with residential and light commercial electrical wiring, as well as voice, data and video cabling. The fundamental theory and installation of circuits for power and lighting, test equipment, transformers, motors and various types of control devices for power, lighting and security are emphasized.

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
- Data and video cabling skills
- Fiber optic 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 in confined areas, like utility access holes
- 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

Continuing Education

OCVTS Evening Apprenticeship Program
Two or Four-year Colleges
Technical Schools
Equipment/Manufacturers' Training

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