MARCRAFT

an ETG Brand

COMMERCIAL LOW VOLTAGE WIRING

Marcraft provides students with the knowledge and skills required to pass the ETA Data Cabling Installer Certification (DCIC) exam and to become a certified cable installer. The DCIC is nationally recognized and is the hiring criterion used by major communication companies.

Basic Standards And Practices
- The structured wiring standards
- Basic telco operations
- Telephone wire and alternative cabling
- Topologies and basic installation practices
- RJ-11, RJ-14, Telco 8P8C, T568A and T568B

Facilities Issues
- Equipment room and entrance facility sizing
- Grounding and bonding
- TIA/EIA 607
- National Electric Code
- Firestopping installation and codes

Cable Ratings And Performance
- Level and category rating systems
- Performance criteria
- Networking

Cable Installation And Management
- Commercial building compliance
- Horizontal & backbone cabling
- 150-Ohm STP requirements
- Cabling management

Testing And Troubleshooting
- Commercial building—CAT5 installation

Industry Standards
- ANSI/TIA/EIA 568, 569, 570, 606, 607
- TSB 36, 40, 40A, 53, 67, 75

Pulling Cable
- Cable in conduit, tension and jamming
- Lubricant technology

The Telephone System
- Data transmission and modulation methods
- Electrical properties of cable, noise and distortion
- Local exchange loops
- Borscht functions
- Public interconnect
- Pulse modulation
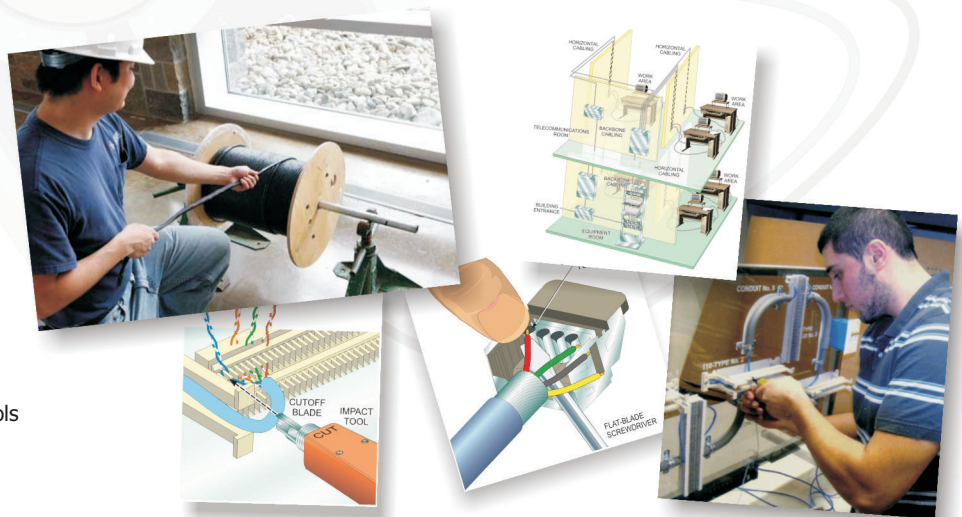- Multiplexing
- Long-distance carrier systems
- SONET

Understanding Blueprints
- Schematic, preliminary and working drawings
- Scale, abbreviations and identifying blueprint symbols

INCLUDES PANEL, LAB GUIDE, AND TOOLS

MADE IN AMERICA