



Southern California Chapter



Electronic Systems Technician/Voice Data Video Federal and State Approved Apprenticeship Program

Building the Industry together One Block at a Time

NCCER Core Curricula

- Basic Safety
- Introduction to Construction Math
- Introduction to Hand Tools
- Introduction to Power Tools
- Introduction to Construction Drawing
- Basic Rigging
- Basic Communication Skills
- Basic Employability Skills
- Introduction to Material Handling

NCCER Level One

- Introduction to the Trade
- Construction Materials and Methods
- Pathways and Spaces
- Fasteners and Anchors
- Job-Site Safety
- Craft-Related Mathematics
- Hand Bending of Conduit
- Low-Voltage Cabling

NCCER Level Two

- DC Circuits
- AC Circuits
- Semiconductors and Integrated Circuits
- Basic Test Equipment
- Power Quality and Grounding
- Introduction to Electrical Blueprints
- Switching Devices and Timers
- Wire and Cable Terminations
- Introduction to Codes and Standards
- Computer Applications
- Advanced Test Equipment
- Your Role in the Green Environment

NCCER Level Three

- Cable Selection
- Buses and Networks
- Fiber Optics
- Video Systems
- Wireless Communication
- Site Survey, Project Planning, and Documentation
- Maintenance and Repair
- Introductory Skills for the Crew Leader
- Rack Systems

NCCER Level Four

- Fire Alarm Systems
- Intrusion Detection Systems
- Audio Systems
- Overview of Nurse Call and Signaling Systems
- CCTV Systems
- Broadband Systems
- Access Control Systems
- Systems Integration
- System Commissioning and User Training
- Media Management Systems
- Telecommunications Systems

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