

**COURSE – K**  
**PANEL WIRING**  
**( Level 11 )**

- TEXT BOOK:** Electrical Principles and Practices - Mazur/Zurlis  
(supplied by Schaedler / YESCO Distribution)
- TOOLS/MATERIALS:** Students should bring the following to class:  
- Calculator  
- Textbook listed above  
- Writing utensils and notepaper  
- Wiring tools (wire stripper, screw drivers, etc.)
- TIME FRAME:** Two day session (16 Hours)
- PREREQUISITE(s):** Course-A, Basic Industrial Electrical Theory I (Level 1)  
Course-B, Basic Industrial Electrical Theory II (Level 2)  
Course-D, Using Multimeters (Level 4)  
Course-E, Reading Electrical Schematics (Level 5)  
Course-F, Component Identification (Level 6)  
Course-G, Basic Industrial Electrical Theory III (Level 7)  
Course-H, Basic Industrial Electrical Theory IV (Level 8)  
Course-I, Understanding Ladder Logic (Level 9)

**General Sequence**

Familiarization with NEMA and IEC type components.  
Wiring methods and principles  
Hands-On panel wiring  
Control system testing and troubleshooting

**At the end of this training session, students should be able to.....**

- Identify components and wiring points.
- Plan and wire industrial control panels.
- Test an industrial control system for proper operation.
- Troubleshoot an industrial control system.