



ELECTRICAL POWER

Condensed Course Outline

INTRO TO ELECTRICITY

- ☐ Voltage & Types of Voltage
- ☐ Current
- ☐ Resistance
- ☐ Ohm's Law
- ☐ Power Formulas
- ☐ Heat

ELECTRICAL SAFETY

- ☐ Electrical Shock
- ☐ PPE
- ☐ Grounding
- ☐ Lockout / Tagout
- ☐ Electrical Safe Tools

MEASUREMENTS

- ☐ Meters
- ☐ Voltage Measurement
- ☐ Current Measurement
- ☐ Resistance
- ☐ Megohmmeter

CIRCUITS

- ☐ Series Circuits
- ☐ Parallel Circuits
- ☐ Mixed Circuits
- ☐ Circuit Power

CONDUCTORS & PROTECTION

- ☐ Conductor Types
- ☐ Cable Types
- ☐ Overcurrent
- ☐ Fuses
- ☐ Circuit Breakers

TRANSFORMERS

- ☐ Magnetism
- ☐ Single-Phase
- ☐ Three-Phase
- ☐ Delta / Wye
- ☐ Protection

MOTORS

- ☐ Motor Construction
- ☐ Reversing Motors
- ☐ Maintenance
- ☐ Troubleshooting

MOTOR STARTERS

- ☐ Manual Starters
- ☐ Contactors
- ☐ Overloads
- ☐ Protection

MOTOR CONTROLS

- ☐ Ladder Diagrams
- ☐ Control Voltage
- ☐ Interlocking
- ☐ Troubleshooting



Multi-Skill Training
SERVICES

THE INDUSTRIAL TRAINING PROFESSIONALS