



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