# NIMS Industrial Technology Maintenance Electrical Systems

## INDUSTRY-BASED CERTIFICATION DESCRIPTION

The NIMS Industrial Technology Maintenance - Electrical Systems exam includes the following domains or competencies: adhering to electrical power and control systems safety rules, interpreting electrical control and power schematics, adjusting limit switches and electronic sensors, measuring voltage, current, and resistance in an electrical circuit, selecting, installing, and testing fuses and circuit breakers, installing and testing AC and DC electric motors, electrical relay control components and circuits, and electro-fluid power components and circuits, testing and repairing a machine's electrical ground, troubleshooting an electrical motor relay control circuit and a solenoid-operated fluid power relay control circuit, replacing electrical control wiring using terminal and solder attachments, and testing and replacing transformers.

For additional information, please visit the following link:
https://www.nims-skills.org/credentials/electrical-systems

| CERTIFYING ENTITY | ADDITIONAL INFORMATION | |
|---|---|---|
| NIMS<br><br>(703) 352-4971<br><br>https://www.nims-skills.org/credentials | Exam Information: NIMS (National Institute for Metal Working Skills) Industrial Technology Maintenance (ITM) - Electrical Systems<br><br>Exam Webpage: https://www.nims-skills.org/credentials/electrical-systems<br><br>Number of Questions: 75 questions<br><br>Question Type: Multiple choice, true/false, fill-in-the-blank<br><br>Exam Time: 90 min | Exam Site: online<br><br>Exam Price: $80 for one test, one retake included<br>Volume pricing available<br><br>Candidate Requirements: Demonstrate theoretical knowledge, skills, and abilities through completion of a proctored, timed theoretical assessment<br><br>Study Materials & Resources: contact for more information |