

Course Overview:

Welcome to the Electrical Authorization Training Course! Electrical systems are an integral part of our modern world, powering everything from our homes to our workplaces and beyond. However, working with electricity also comes with significant risks that must be managed to ensure the safety of individuals and the integrity of equipment and systems.

This comprehensive training program has been designed to provide you with the knowledge and skills necessary to understand, implement, and comply with the critical procedures related to electrical authorization. Whether you're an electrician, maintenance worker, supervisor, or anyone involved in electrical work, this course will equip you with the tools to ensure your safety and the safety of those around you. Throughout this course, we will explore the essential aspects of electrical authorization, including recognizing electrical hazards, complying with legal and regulatory standards, and understanding various types of electrical authorizations, such as permit-to-work systems and lockout/tagout procedures. We will also cover emergency response protocols and troubleshooting techniques, which are crucial skills in the electrical field. Your safety and the safety of others is our top priorities. By the end of this training, you will be well-prepared to assess risks, communicate effectively, and follow proper procedures when working with electrical systems. We encourage active participation, questions, and discussions during the course to ensure that you gain a deep understanding of the subject matter.

Course Objective:

This course aims to provide participants with the knowledge and skills necessary to safely and effectively work with electrical systems. By the end of the course, participants will be able to:

1. Understand electrical safety principles and regulations.
2. Demonstrate proficiency in electrical system fundamentals.
3. Comply with electrical codes and regulations.
4. Practice safe work habits and emergency response procedures.
5. Use electrical tools and equipment correctly.
6. Install, troubleshoot, and repair electrical wiring and circuits.
7. Perform electrical testing and measurement tasks.
8. Apply problem-solving skills to electrical issues.
9. Communicate effectively and maintain accurate documentation for electrical work.

Course Outline:

Module 1: Introduction to Electrical Authorization

- o Understanding the importance of electrical authorization
- o Overview of regulatory standards and legal requirements
- o Roles and responsibilities of authorized personnel

Module 2: Electrical Hazards and Safety

- o Identifying electrical hazards
- o Electrical shock and its effects
- o Personal protective equipment (PPE) and its use
- o Safe work practices in electrical environments

Module 3: Types of Electrical Authorizations

- o Permit-to-Work systems
- o Lockout/Tagout procedures
- o Hot work permits
- o Confined space entry authorizations

Training Language:

English-Arabic

Training Methodology:

This training program will employ a combination of teaching methods to enhance participant engagement and knowledge retention:

- o Presentations: Instructor will deliver informative presentations covering the course material.
- o Group Discussions: Participants will engage in discussions to share their insights and experiences.
- o Case Studies: Real-world examples of electrical incidents will be analyzed.
- o Assessments: Regular quizzes and a final assessment will evaluate participants' comprehension.

Venue | Date | Fees

Khobar | 26-11-2023 | 10,350 SAR

Module 4: Procedures for Electrical Authorization

- o Creating and obtaining authorizations
- o Documenting work plans and procedures
- o Risk assessment and hazard identification
- o Communication and coordination with relevant parties

Module 5: Legal and Regulatory Compliance

- o OSHA and other regulatory standards
- o Local electrical codes and requirements
- o Compliance with environmental regulations
- o Reporting and record-keeping obligations

Module 6: Emergency Response and Troubleshooting

- o Responding to electrical emergencies
- o Electrical incident reporting and investigation
- o Troubleshooting common electrical issues
- o Contingency planning for unexpected situations

Module 7: Practical Application and Assessment

- o Hands-on exercises and simulations
- o Case studies and group discussions
- o Written and practical assessments

Who Should Attend:

This training program is suitable for a wide range of professionals working in electrical and industrial settings, including but not limited to:

- o Electrical Engineers and Technicians
- o Maintenance Personnel
- o Safety Managers and Officers
- o Facilities and Plant Managers
- o Construction Managers
- o Electrical Supervisors
- o Health and Safety Professionals