



**GCC Electrical
Testing Laboratory**
المفتبر الفليبي لفص المعدات الكهربائية

Electrical Hazards; ARC Flash Safety

This interactive 5-day seminar combines theoretical background with practical assessments to provide vital knowledge to identify electrical Hazards and Safety related aspects concerning Flash Overs. This includes the description of the related standards and codes. It will also conduct complete Arc Flash Assessment including the Short Circuit Calculation and ARC Flash Analysis.

The Seminar shall also include Case Studies and techniques to minimize or eliminate ARC Flash Hazards.



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Education
Course Code: _____



Electrical Hazards; ARC Flash Safety

SEPTEMBER
2 - 6
2018



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PROGRAM

The Course program contains the following training outline:

DAY 1	Typical overall power system in Saudi Arabia – Generation, Transmission, and Distribution
DAY 2	Electrical Hazards, Design Criteria – relevant standards and policies.
DAY 3	Short Circuit Calculation and Arc Flash Hazard Calculation.
DAY 4	Arc Flash Assessment including short circuit calculation and Arc Flash Analysis.
DAY 5	Case studies and technologies to control arc flash hazard.

Objectives

Objectives Upon completion of this course, the Participant will be able to:

Identify electrical hazards and safety aspects. Describe mitigation methods and requirements during design, procurements, & construction of power systems.

- Describe standards and code requirements related to electric safety including standard conformity aspects.
- Conduct complete Arc Flash Assessment including short circuit calculation and Arc Flash Analysis.
- Explain procedural requirements for arc flash hazard; categorization, PPE, and awareness.
- Case studies and techniques to eliminate and/or minimize arc flash hazards.

Addressed to:

Electrical engineers with at least one to two years of engineering experience who are working in a job requiring knowledge of design, construction, & operation of power transmission & distribution systems.

Duration:

5 Full Days

Course Fees:

Location/Venue:

GCCIA HQ, Dammam

