

# ELECTRICAL COURSES

## GENERATOR & ELECTRICAL SYSTEMS (E21A)

**OBJECTIVE:**

This course is designed to provide the participants with full theoretical and practical details about Generator and Electrical Systems including generation philosophy and the main elements of electrical power systems.

**WHO SHOULD ATTEND?**

This course is recommended for electrical engineers, supervisors, and technicians who work in the generation field and need more information about the generator unit and accessories.

**COURSE CONTENT:**

- An Introduction to State Estimation In Power Systems
- Characteristics of Power Generation Units
- Control of Generation and Load Curves
- Generator performance and excitation system
- Power System Security
- Power system Stability
- Calculation Fault Currents
- Generator protection

**Duration: 5 Days**

Date:	Venue:	Cost:
Feb 28-Mar 4	Dammam	SR7,000
Jul 4-8	Dammam	SR7,000
Dec 5-9	Dammam	SR7,000

## GENERATOR CIRCUIT BREAKER (E79A)

**OBJECTIVE:**

This course is designed to provide participants with the principles, operation, and maintenance of the generator, transformer, and BUS DUCTS.

**WHO SHOULD ATTEND?**

This course is recommended for engineers, operation and maintenance technicians.

**COURSE CONTENT:**

- Introduction to Electrical Power Generation
- Power Transformer Operation
- AC Circuit Breaker Types and Operation
- Disconnect Switch Portion
- Practical ABB-GCB Operation and Specifications
- BUS DUCTS
- Safety Requirements for the Operator

**Duration: 5 Days**

Date:	Venue:	Cost:
Jan 3 – 7	Dammam	SR7,000
May 23 - 27	Riyadh	SR 8,000
Oct 17– 21	Dammam	SR7,000