

ELECTRICAL COURSES

CONTROL CIRCUITS (E23B)

OBJECTIVE:

This course is designed to increase the knowledge and experience in control circuits and its different components and elements.

WHO SHOULD ATTEND?

This course is recommended for engineers and technicians who supervise maintenance of electrical equipment.

COURSE CONTENT:

- Electrical Components, Standards and Symbols
- Functions of Industrial Switchgear
- Motor and Motor-Branch-Circuit Protection
- General Engineering Considerations
- General Purpose Motor Starters
- Motor-Control Centers
- DC-Motor Control

Practical Tasks:

Familiarize the participants with different control equipment and perform various tasks on the electrical module.

Duration: 10 Days

Date:	Venue:	Cost:
Feb 21 – 25	Jubail	SR13,000
Jun 27 – Jul 1	Dammam	SR12,000
Oct 31- Nov 4	Dammam	SR 12,000

CONTROL EQUIPMENT (E19A)

OBJECTIVE:

This seminar is designed to provide full information about motor starters, limit switches, pneumatic timer, control relays and construction of MCC in hazardous and non-hazardous areas.

WHO SHOULD ATTEND?

This course is recommended for electrical technicians, technicians working on MCC's and engineers with basic experience in this field.

COURSE CONTENT:

- AC Manual Contactors and Motor Starter
- AC/DC Contactors and Magnetic Motor Starter
- Push-Button Control Stations
- Limit Switches
- Special Control Switches
- Timers and Counters
- Control Relays
- Hazardous Location Equipment
- Motor Control Centers
- Control Panel Wiring

PRACTICAL TASKS:

- Demonstrate the control equipment located in the electrical control module in electrical lab
- Connecting the wiring diagram of reversing motor and operate in the forward and back direction
- Basic timer operations & its control circuit

Duration: 5 Days

Date:	Venue:	Cost:
Feb 28 – Mar 4	Dammam	SR 7,000
Jul 25 - 29	Riyadh	SR 8,000
Nov 14 - 18	Dammam	SR 7,000