

MECHANICAL COURSES

CNC MACHINE TOOLS (M79A)

OBJECTIVE:

This program is an introduction to common CNC machining centers, features of computer numerically controlled machine centers and types of CNC programming.

WHO SHOULD ATTEND?

This program is applicable to all those who work in the field of metal machining and CNC operation and programming.

COURSE CONTENT:

- Purpose of the Basic Components of CNC Machining Center
- Part Program and Identify and Explain the Components which make it up
- Sequence Blocks, Block Numbers and their Numbering Method
- X, Y, Z, and B axis address words.
- Tool Length Offsets and Why and How they are Applied
- G43, G44 and G49 codes affect tool offset values
- Computer Aided Part Programming
- Applications and Case Studies

Duration: 5 Days

Date:	Venue:	Cost:
Apr 18 – 22	Dammam	SR 10,000
Jul 4 – 8	Dammam	SR 10,000
Oct 24 – 28	Dammam	SR 10,000

COMBINED CYCLE PLANTS (M97A)

OBJECTIVE:

The participant is going to gain a complete view of Combine Cycle Power plant theory, performance, selection and practice.

WHO SHOULD ATTEND?

All power plants, engineers, unit supervisors, foreman, senior operators, and senior technician.

COURSE CONTENT:

- Energy Conversion and Thermodynamics Review
- Introduction and General View
- Power Generation Industry Equipment
- Gas Turbines and Steam Turbines Plants Advantages and Disadvantages
- Combined Cycle Components and Systems
- Combined Cycle Performance
- Combined Cycle Selection, Operation and Maintenance Considerations
- Case Studies

Duration: 5 Days

Date:	Venue:	Cost:
Feb 7 – 11	Dammam	SR7,000
Jun 27 – Jul 1	Abha	SR 9,000
Nov 28 – Dec 2	Dammam	SR7,000