

# Basics of Programmable Logic Control Siemens S7-200 "PLC-02" Z MEC-23

## Duration

Five days 25 Hours

## Who should attend?

Electrical engineers, supervisor, electronics engineers Maintenance staff

## Language

Arabic , English

## Overview

Identify the major components of a PLC and describe their functions. Identify typical discrete inputs and outputs. Read and design ladder logic and statement list. Connect a simple discrete input and outputs to PLC. Troubleshooting

## Topics

- Introducing the S7-200 Micro PLC
- Installing an S7-200 Micro PLC
- Basic Concepts for Programming an S7-200 CPU
- CPU Memory: Data Types and Addressing Modes
- Setting Up Communications
- SIMATIC Instructions
- SIMATIC bit logic instruction
- SIMATIC compare instruction
- SIMATIC timer instruction
- SIMATIC counter instruction
- SIMATIC move instruction
- SIMATIC program control instruction
- Case study

