

Level 2: Advanced Mechatronics

Applied PLC – Basic Networking

Estimated Duration: 8 hours

Level 2

In today's world, nearly everything is connected to a network: your phone, computer, television, even appliances such as refrigerators. The same applies to the industrial world. PLCs are networked to the MES, to the applications, and to other PLCs. Machines send and receive data from one another via networks. This course will enable students to understand and apply basic networking skills in order to facilitate machine-to-machine communication.

Course Topics

- Identification of IP Addresses
- Switches
- Routers
- Access Points

Core Competencies

- Student will be able to understand and apply basic networking skills in order to facilitate machine-to-machine communication.
- This is a key feature of Festo's Industry 4.0 Advanced Certification program.

Equipment

PLC - Basic Networking

Basic Networking can be applied to many training systems from Festo including our CP Lab/Factory systems or with MPS203I4.0. This system can also be used for Product ID and Applied Industry 4.0. It is comprised of 3 stations and includes:

- Switch
- Fieldbus
- OPC/UA
- Wireless Communication

This allows the three stations to be networked together and to the included MES Software.

