Applied PLC

PLC Technology II (Allen Bradley or Siemens)

FESTO

Level 2

The **Applied PLC Technology** certification builds on foundational skills developed in the fundamentals of PLC. This course advances learners' capabilities in PLC programming by introducing more complex ladder logic applications, program modification, HMI (Human Machine Interface) development, and basic networking concepts. Learners gain hands-on experience using industry-standard PLC hardware and software, including systems from Allen Bradley or Siemens.

This certification is designed for students seeking to apply automation technologies in real-world industrial environments, supporting roles in systems integration, troubleshooting, and production optimization.

Industry Recognized Certification Topics

- Ladder Logic Programming
- Basic PLC Operations and Programming Functions
- Uploading and Downloading PLC Programs
- Program Modifications and Testing
- Human Machine Interface (HMI) Design
- Basic Networking Concepts for Industrial Systems
- System Troubleshooting and Fault Diagnosis

Industry Recognized Certification Competencies

- Ladder Logic Programming
- Program Management
- Core PLC Functionality
- Program Modification
- HMI Programming
- Networking Fundamentals

Units - 6 / Labs - 5