



Siemens S7-300 / S7-400 PLC Level 2 TIA Portal

Software	Siemens TIA Portal
PLC Type	Siemens S7-300 / S7-400
Duration	5 Days
Prerequisites	Siemens S7 level 1 course
Max. Delegates	6

Course Outline

Upon completion of the course the student should:

- Be able to understand statement list programs.
- Understand complex instructions.
- Be able to write STL and FBD PLC programs and perform consistency checks.
- Be able to configure advanced PLC functions.
- Understand how to use special OBs and FBs.
- Be able to access and use the advanced functions of the S7 software.
- Be able to configure and troubleshoot Profibus networks.

Course Equipment per Delegate

- Siemens S7-300 or S7-400 PLC.
- PC or laptop.
- Simulator.

Course Content

- Ladder programs and representation.
- Statement list programs and representation.
- Function block programs and representation.
- Intermediate instruction set.
- Editing existing programs.
- Creating new LAD, STL and FBD programs.
- Special organisation blocks.
- System function blocks.
- System functions.
- User defined data types (UDT).
- Instance data blocks.

- Advanced CPU settings.
- Working with EPROMs and MMC memory cards.
- Password protection.
- MPI networks.
- Linking via ethernet.
- **Profibus**
 - Understand, installing and configuration of Profibus Networks.
 - Master/slave configuration.
 - Using DP/DP coupler.
 - Linking MicroMaster drive to Profibus network.
- **Profibus diagnostics**
 - What the BUSF and SF DP LEDs mean.
 - Profibus DP slave diagnostics OB86, SFC 13.
 - Profibus DP diagnostics blocks FB125, FC125.

Booking and More Information

To book onto this course or for more information regarding course content, schedule or pricing please email sales@foxmere.com or call the main office on 01922 349 999.

