



Siemens S7-1200 / S7-1500 and WinCC Flex Level 2

Software	Siemens TIA Portal
PLC Type	Siemens S7-1200 / S7-1500
Duration	5 Days
Prerequisites	Siemens S7-1200 / S7-1500 and WinCC Flex Level 1
Max. Delegates	6

Course Content

The Level 2 course is aimed at delegates who will be either writing PLC code or having to troubleshoot more complex S7 1200 and 1500 PLCs and networks. 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.
- Be able to access and use the advanced functions of the TIA Portal software.
- Be able to configure and troubleshoot ProfiNet Networks.
- Advanced WinCC HMI functions.
- Users and Password.
- Recipes.
- Trending.

Course Equipment per Delegate

- Siemens S7-1200 or S7-1500 PLC.
- PC or laptop.
- Simulator.

Course Content

- Ladder programs and representation.
- Statement list programs and representation (1500 CPU).
- Function block programs and representation.
- Implementing PID control.
- Programming techniques.
- Intermediate instruction set.

- Understanding and editing more advanced existing programs.
- Creating new LAD, STL and FBD programs.
- User defined data types (UDTs).
- Instance and multiple instance data blocks.
- Advanced CPU settings.
- Password protection.
- ProfiNET.
- ET200SP CPUs.
- ProfiNet networks.
- ET200S remote IO.
- WinCC advanced functionality.
- Configuring users and password protection.

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.

