

TIA Portal Programming 1

(TIA-PR01)

Learn how to use the TIA Portal and basic knowledge of the structure of the SIMATIC S7 automation system.

Programme Description

This training programme is being hosted in conjunction with Engineers Ireland. The Totally Integrated Automation Portal (TIA Portal) forms the work environment for integrated engineering with SIMATIC STEP 7 and SIMATIC WinCC. In this first part of the SIMATIC TIA Portal programming training, we teach you the handling of the TIA Portal, basic knowledge about the structure of the SIMATIC S7 automation system, configuration and parameterization of hardware, and the basics of standard PLC programming. You also receive an overview of HMI, PROFINET IO, and connecting drives. You can deepen your theoretical knowledge with numerous practical exercises on a TIA system model. This consists of a SIMATIC S7 automation system, ET200 distributed I/O, Touchpanel, drive, and a belt model.

Who Should Attend?

This training course is not appropriate for trainees using S7-200, S7-300 or S7-400 based systems. This course is also suitable for those using mainly S7-1500 and/or S7-1200 based systems. For more information concerning details of S7-300, and S7-400 please see the section called Simatic S7 PLC.



Prerequisites

Basic knowledge of automation technology.

Participants can use the online test to find out whether they have sufficient prior knowledge to participate effectively in the course you wish to attend. If they answer more than 70 % of the questions correctly they are well prepared to take part in the course.



Programme Outcomes

On completion of this course the participant will be able to do the following:

- Understand the fundamentals of interaction of the TIA components
- Solve simple programming tasks using elementary STEP 7 instructions
- Reliably operate the "TIA Portal" engineering platform
- Program simple plant functions with basic STEP 7 instructions predominantly in ladder diagram (LAD)
- Perform simple commissioning of TIA components

Engineers Ireland CPD Badge

This course provides you with 35 hours of Engineers Ireland accredited CPD certification.



Siemens

SITRAIN open bundles useful information, worthwhile data and up-to-date expert knowledge about Siemens products for industry.

SITRAIN access is learning in the digital age. It offers you individualized ways to build your knowledge, and access to exclusive digital training courses. Take advantage of sustainable learning success with a wide range of learning methods. Improve your skills – whether working in groups with others, or by yourself. Whenever, wherever and however you need to.

Price

€2370 per person

Now with an
additional Skillnet
Discount

SIEMENS

Register Now

You can contact us on our website [here](#) to register your interest in this programme.

Duration:

5 days

Upcoming Dates:

Visit our website to enquire about upcoming dates



Our goal is to keep Irish businesses competitive in an ever-evolving global market, through training and development in the quarry, construction and manufacturing industries.

Industry 4.0 Skillnet Membership

Find out how a free membership to the Industry 4.0 Skillnet can save you up to 30% on training programmes.

Contact us today to find out more.





Contact Details:

Paul Quinn,
Network Manager
Industry 4.0 Skillnet

T: +353 (0)71 9317 485

E: info@industry4skillnet.com

W: www.industry4skillnet.com

