

01.12.2026 - 02.12.2026

iQ-F PLC Introductory (Structured Mode)

Address / Contact: Travellers Lane, Hatfield, Hertfordshire, AL10 8XB

Description	This introductory training course is part of a learning pathway designed to equip you with the knowledge and skills to successfully work the iQ-F range of programmable logic controllers or PLC's. This course offers training designed to help participants choose appropriate PLC hardware and develop reliable programs for basic applications. Participants will learn program design techniques and see the creation of sequences illustrated through various approaches. The course emphasizes good programming practices to identify and prevent common programming errors, ensuring that the resulting program is both robust and user-friendly. It also covers the configuration of PLC parameters to guarantee that any project created in GX Works addresses all essential elements. It is recommended that participants have completed a Beginners' course before enrolling in this course, and some experience with industrial control systems would be beneficial. The course utilizes a special purpose iQ-F PLC rig and GX Works to enhance practical classroom experience. This course uses the Structured mode of program creation.
Course target	By the end of the course, delegates should be competent in the following disciplines and demonstrate skills including: • Selecting suitable hardware and building up a PLC • Choosing the best approach for creating a program for a simple application • Designing a program to respond to inputs and correctly control outputs • Testing a program in a PLC and making edits. • Configuring settings in the CPU • Annotating a program
Target group	This professional development experience has been designed for those individuals with a Beginner level of knowledge and experience of iQ-F PLCs and programming and who want to develop to Introductory level.
Agenda	Over a 2 day period delegates will cover the following modules and topics: • Hardware Selection • Module placement and addressing • Setting up GX Works • Creating programs for simple applications • Basic program elements • Designing a sequence using timers • Programming pitfalls • Creating and testing a program • Alternative solutions • Editing a program offline

	• PLC configuration and parameters • Program descriptive devices
Duration	2 Days
Products and software	PLC, Software
Article number	743361
Participant fee	1200.00 GBP