

Manchester Metropolitan University Automation Systems Centre Certified AS-i Engineer Course



Manufacturer-Independent Certified Course on Actuator Sensor Interface Technology

Want to become a Certified AS-i Engineer? Here's how...

The Certified AS-i Engineer course is a 2-day course that teaches the theory and latest practice of the Actuator Sensor Interface. Using a hands-on, practical approach, you will learn how to use AS-i intelligent sensors, actuators and remote I/O in the most efficient and effective way and see how to integrate AS-i into higher fieldbus systems. You will build, configure and exercise your own AS-i interface system from scratch. The course also covers the use of the AS-i "safety at work" profile, which allows AS-i networks to be used in safety-critical systems such as emergency stop and machine protection systems. The course also covers the latest V3.0 specification and techniques for interfacing AS-i networks to higher fieldbus networks like PROFIBUS and Industrial Ethernet.



Who should attend?

The course is designed for Engineers and Technicians who are involved in the planning and installation of fieldbus networks as well as those who are involved with maintenance and fault-finding.

No previous knowledge of AS-i or other fieldbus systems is required. However, even experienced fieldbus engineers will gain valuable knowledge on how to get the best from this technology.

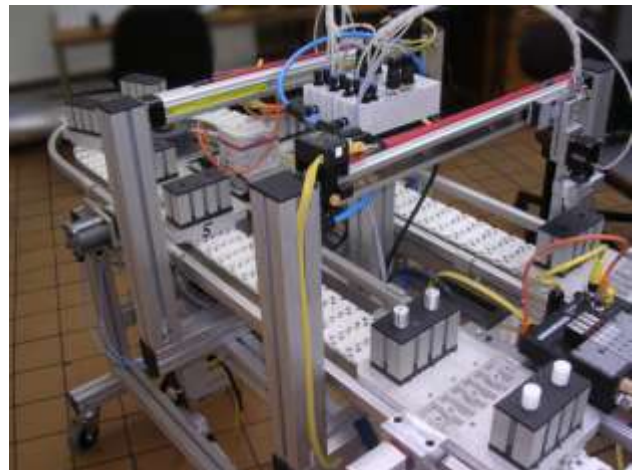
The course is also available for on-site training for up to 8 people. This makes a cost-effective solution for companies who want their whole installation/maintenance teams certified.

Certification?

The Certified AS-i Engineer course was developed at Manchester Metropolitan University with the aid of the UK AS-i Users Group. High standards of competency are ensured by written and practical tests within the course. Successful graduates will receive a "Certified AS-i Engineer" certificate.

Course Outline

- Overview of AS-i development, technology and features
- Practical building an AS-i network
- AS-i technology and operation in-depth
- Practical configuration and operation of network
- AS-i extensions (V2.1 and V3.0)
- The AS-i "Safety at work" profile
- Practical demonstration of setting up of an AS-i safety system
- Configuration and operation of fieldbus/AS-i gateways.
- Practical test and Multiple-choice theory test



The course fee covers:

- A full set of course notes (also available as pdf files).
- Lunch and all refreshments throughout the two days.
- Attendance certificate/Certified AS-i Engineer certificate.
- A free retest at MMU for any candidate who fails the assessment.

A sample of comments from previous attendees

- “A very valuable and enjoyable day. Extremely useful to professionals in the field.”
- “Very well-presented with well-balanced content.”
- “Very pleased with the course and contents; would recommend it to others.”
- “Excellent course – I would never had guessed that so much could be packed into such a short time”

Booking Information - Download the booking form and further details from: www.profi-bus.co.uk

For dates, prices, booking information & onsite courses contact:

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The PROFIBUS Group
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In-Depth Technical Information

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Other Courses at the Automation Systems Centre at Manchester Metropolitan University

Certified Open-PLC Engineer Course

2½-day practical course on manufacturer-independent control system programming using the international standard IEC 61131-3.

Certified PROFIBUS Installer Course

Internationally accredited one-day course covering the layout, installation and maintenance of PROFIBUS networks. Suitable for people with no previous fieldbus experience.

PROFIBUS Commissioning and Maintenance course

One-day add-on to the Installer course covering the practical techniques for commissioning and fault-finding on live PROFIBUS networks.

Certified PROFIBUS Engineer Course

Internationally accredited 3 day in-depth course covering PROFIBUS DP and PA network design commissioning and maintenance. Suitable only for engineers with some prior experience of fieldbus.



Open PLC Engineer Course



PROFIBUS Installer Course