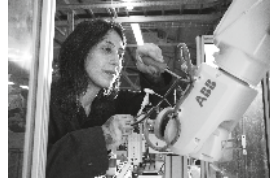
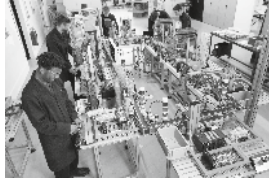


AUTOMATION & CONTROLS

Motion and Process Control within Automation



WHO SHOULD PARTICIPATE?

Engineers and technicians with experience of motor control who are required or wish to develop their process, motor control and automation competencies.

PREREQUISITES

All delegates must have the below experience/knowledge to attend this course:

- Understanding of ladder logic
- Understanding of the hardware used within a PLC rack

We recommended that delegates who do not meet the above criteria attend our Electrical Maintenance Module 3 course.

PROGRAMME BENEFITS

By the end of the programme participants should have an understanding of:

- Communications between PLCs and their interface
- Advanced programming techniques
- PID control
- Motion control and its application

THE PROGRAMME WILL COVER:

DAY ONE

- Analogue processing
- Numbering systems
- Motion and process control concepts - Open loop v Closed loop
- PID controller set up and exercises using Siemens TIA portal

DAY TWO

Using Siemens TIA portal:

- Programming using function blocks
- Programming in FBD
- Programming in SCL
- Communication between PLCs
- Set up and installation of HMIs

DAY THREE

- Stepper motors
- Servo motors
- ABB robot programming

ASSESSMENT

Internal written and practical assessment.

CERTIFICATION

Upon achievement delegates will receive an MGTS certificate of attendance.

DURATION

3 Days

OUR SERVICE LEVEL COMMITMENT

MGTS will ensure that:

- Your training and assessment programmes are delivered by Tutors highly experienced in the relevant subject matter and your industry
- The delivery of training and assessment will focus on your training objectives supported by up to date programmes and learning materials
- Your employees will receive training designed to meet their personal learning needs with additional support where appropriate
- Training programmes are delivered with your requirements as the focus ensuring total flexibility and on time delivery
- Your employees benefit from a healthy, safe and secure learning environment ensuring equality of opportunity and diversity of contribution to enhance the learning experience
- You and your employees are given support to achieve high quality personal learning and successful learning transfer to the workplace
- The confidentiality of your business development needs is maintained throughout

BOOKINGS & PAYMENTS

Bookings must be confirmed with either a purchase order or full payment to secure the booking.

New customers will be required to complete a new customer application form to open a credit account. Credit account customers will be invoiced upon booking; our standard payment terms are 30 days unless otherwise agreed in advance.

Payment can be made by credit card or BACS/ bank transfer.

Payment must be received 7 days in advance of the course start date (for non- account customers).

CANCELLATION POLICY

Where courses are under subscribed MGTS may cancel or re-arrange a course at their discretion. Customers will be notified no later than 10 working days prior to the planned commencement date.

MGTS accepts customer cancellations without charge up to 7 days prior to commencement of training. Cancellation less than 7 days will incur a 50% course fee. Cancellations with less than 24 hours' notice will incur a 100% course fee.

Transfers to alternative course dates will not incur any additional charge to the customer if the transfer is made up to 7 days prior to commencement of training.



024 7663 0333



enquiries@mgts.co.uk



www.mgts.co.uk



Head Office

Gulson Road
Coventry
CV1 2JG

Worcestershire & South Birmingham

Brook Building
Arrow Road North
Redditch
B98 8NN

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