UK Shared Prosperity Fund: Introduction to Robotics & Automation

Subject Type: Construction & Engineering

Course Overview:

The Introduction to Robotics & Automation Course aims to support learners who have an interest in this subject and wish to pursue a career in engineering and robotics.

Learners may have completed a previous Engineering qualification and wish to progress onto higher-level qualifications, or to gain insight into the world of Industrial Robotics prior to making crucial career decisions.

This course will support learners who aspire to work within the Engineering/Robotics sectors and will help develop confidence and ability to support increased job opportunities.

The course is also applicable to learners who have had a break in their education and who need to recap prior knowledge/develop study skills before embarking on a higher education course.

What's Covered:

During this 10-week course, our team will help you to navigate the basics of Robotics & Automation to enhance your CV for career progression.

This course includes the following modules:

- Safety
- Operational Modes
- Manual Movement ("Jogging")
- Coordinate systems (World, Base, Tool)
- Basic movement programming (PTP, LIN, CIRC)
- Pick and Place programming
- Overview of offline programming (KUKA SIM)

Entry Requirements:

For entry onto this qualification learners must have a keen interest in Pneumatics (Automation). It would be beneficial to have an understanding of Industrial Robotics/Electrical engineering, but not essential.

Fees and Financial Support:

This course is FREE to adult learners aged 19+ already working in this sector.

Progression:

This course will support upskilling within your current role, which can then be used to progress into more senior/complex job roles or to support a career change into automation/industrial robotics sectors.

This course will support learners gaining employment in the industry of Advanced Manufacturing or to progress onto further study/higher education.

What else do I need to know?

Learners need to have studied the Introduction to Automation, Control and Robotics course to apply for this course.

This course will run one evening per week at our brand new Institute of Technology Centre, Castle Street, Stafford.

How do I find out more?

To find out more, you can contact Kelly Hannaford by emailing kelly.hannaford@nscg.ac.uk.