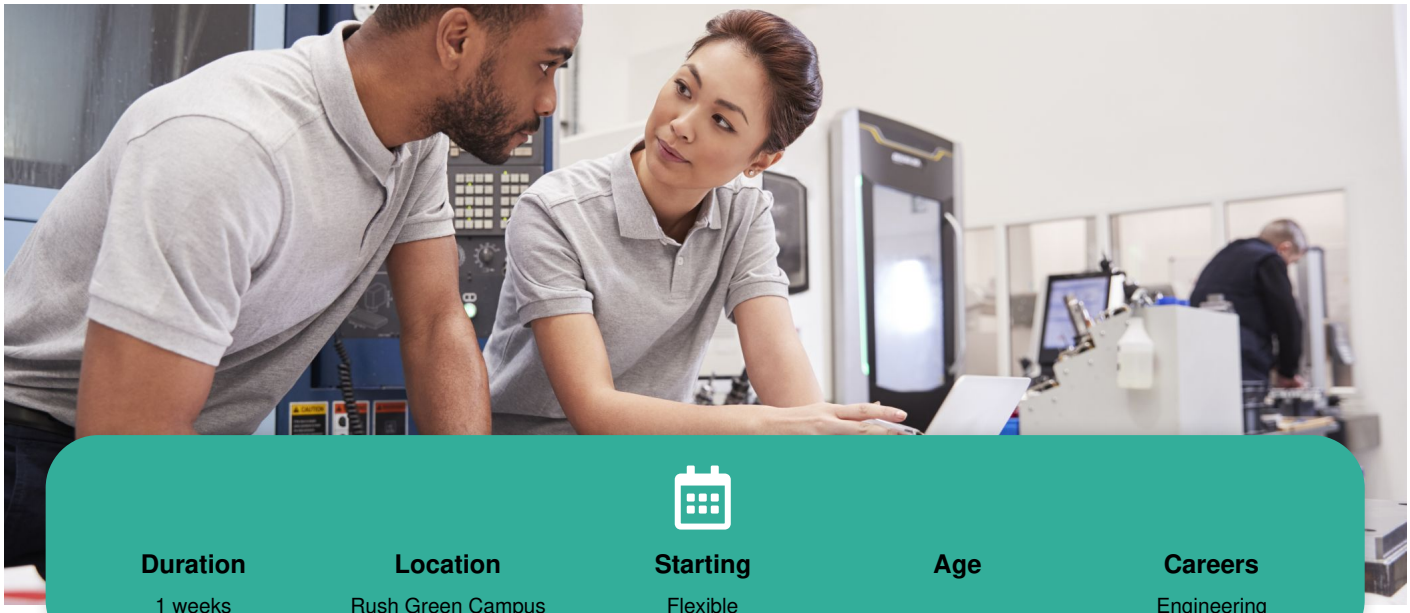
Level 4

Fundamentals of Pneumatics in Engineering

Microcredential



Duration	Location	Starting	Age	Careers
1 weeks	Rush Green Campus	Flexible		Engineering

Course fees per year

Contact us to discuss what Financial support is available.

Overview

The Level 4 Micro Credential in Fundamentals of Pneumatics in Engineering provides a comprehensive understanding of pneumatic systems and their applications in engineering.

This course combines both theoretical knowledge and practical skills, preparing students for real-world engineering challenges.

What you'll learn

This Microcredential course offers a rapid skill acquisition, tailored to industry needs. They provide flexible, precision learning, allowing you to study at your own pace. These courses are stackable, leading to full certifications and supporting lifelong learning. Mapped against various skills taxonomies, this course supports learners at any career stage, from new recruits to experienced professionals. It enables just-in-time learning, helping you acquire new skills when you need them most.

Course Overview and Modules:

- Fundamental Principles: Understand basic principles and components of pneumatic systems.
- Logic Operations & Circuit Design: Evaluate and design pneumatic circuits.

- System Design & Simulation: Use industry-standard software for system design and performance prediction.
- Practical Operations: Implement pneumatic logic operations to solve real-world problems.
- Troubleshooting & Maintenance: Identify faults and hazards in pneumatic systems.
- Efficiency Analysis: Analyse and improve system performance.

Assessments / Exams

There are no formal assessments for this course.

Entry requirements

You will need to have GCSE Maths and English Language at grade 4 (C) or above. You will also need a level 3 qualification in a related subject area.

What this course leads to

Upon completion you can pursue further studies or enhance your career opportunities in sectors like manufacturing, automotive, aerospace, and industrial automation.

Visit this course on our website: *https://barkingdagenhamcollege.ac.uk/find/courses/0000012482*

For further information please contact the college: *https://barkingdagenhamcollege.ac.uk/contact*