

# Engineering

## Advanced Technical Certificate in Engineering

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**Campus:** Rotherham College

**Code:** RFEEG004#

**Level:** 3

### About This Course

This two-year course is for those looking to become highly skilled engineers. You will develop knowledge of a range of practices including technical design, development and quality assurance, installation, commissioning and decommissioning, operation or maintenance of products plus much more. You will apply proven techniques and procedures to solve engineering/manufacturing problems and become skilled in communicating both technical and non-technical information.

### What Will I Study?

You will study theoretical aspects of the subject and apply them to practical tasks.

Compulsory topics include:

- Health and Safety in the Workplace
- Communications Skills
- Mathematics for Engineers
- Electrical and Electronic Principles
- Mechanical Principles
- Materials
- Electronic Principles
- Manufacturing Planning
- Electrical Principles
- Calculus
- Further Mathematics

- Organisational Improvements
- Engineering Primary Forming
- Programmable Logic Controller (PLCs)
- Electrical Technology
- Further Electrical Principles
- Further Mechanical Principles
- Thermodynamic Principles
- Employability Skills
- Progress Tutorial Sessions

## Why Study Here?

- Learn from industry-experienced and well qualified tutors who have spent many years in the Engineering sector, and have specialist qualifications and knowledge to bring to their teaching
- Participate in regular work placements to boost your skills
- Hear from a range of guest speakers from employers on the role of an Engineering
- Develop and enhance your Employability Skills
- Participate in regular enrichment activities to improve your knowledge skills and behaviours within the Engineering environment

## Entry Requirements

English and Maths at Grade 4 or above.

## How To Apply

You can apply using our online application form and clicking the Next Step button at the top of this page.

For more information support with your enquiry or application please contact Student Services by

emailing [info@rotherham.ac.uk](mailto:info@rotherham.ac.uk) [mailto:[info@rotherham.ac.uk](mailto:info@rotherham.ac.uk)] or by calling 01709 362111.

## What Courses Can I Progress Onto?

- Engineering Technician Level 3 Apprenticeship Standard
- HNC Electrical/Mechanical Engineering
- HND Electrical/Mechanical Engineering

## Tuition Fees

- 16-18 year olds do not need to pay course fees
- Those aged 19 or over may not need to pay fees depending on their circumstances.

Contact the Enquiries Team on 01709 362111 for advice and guidance

### PLEASE NOTE

We make every effort to ensure information within our online course directory is accurate and a true representation of the courses we are offering in 2023-24. However, we do reserve the right to make changes if necessary.

Last updated: 20th May 2023