

Engineering

Advanced Technical Certificate in Engineering

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] 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. Find out if you qualify for help with your fees [<https://www.rotherham.ac.uk/course-fees/>] .

If you need further advice or guidance please contact the Enquiries Team on **01709 362111**.

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 2024 -25. However, we do reserve the right to make changes if necessary.

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