

Engineering

T Level Technical Qualification in Engineering, Manufacturing, Processing and Control

Campus: North Notts College - Worksop Campus

Code: W06TP06

Level: 3

About This Course

Designed in collaboration with employers, this course provides you with the skills needed by the industry. Core components of the course include fundamental knowledge and skills related to the engineering and manufacturing industries.

As you progress through your course, you will receive in-depth training in aspects of engineering, manufacturing processes, and control, building towards your final assessment. Relevant maths, English and digital skills are also embedded.

Taking place over two years, the course requires you to attend college 20 hours per week, with one day each week spent on placement. A significant part of your learning experience will be an industry placement, where you will spend a minimum of 45 days (315 hours) working with an employer.

Choose between two occupational specialisms: Welding and Fabrication or Fitting and Assembly. Each specialism includes a unique exam focused on your pathway, helping you develop the skills for a successful career.

What Will I Study?

You will study a range of topics including:

- Working within the engineering and manufacturing sectors
- Engineering and manufacturing past, present, and future
- Engineering representations
- Essential mathematics for engineering and manufacturing
- Essential science for engineering and manufacturing
- Materials and their properties
- Mechanical principles
- Electrical and electronic principles
- Mechatronics

- Engineering and manufacturing control systems
- Quality management
- Health and safety principles and coverage
- Business, commercial and financial awareness
- Professional responsibilities, attitudes, and behaviours
- Stock and asset management
- Continuous improvement
- Project and programme management

Why Study Here?

Our college has an excellent reputation in this field, supported by a team of industry-trained experts who bring real-world knowledge to the classroom. You will have access to state-of-the-art technology, including the latest CAD and Welding equipment, to enhance your learning experience.

Throughout your studies, you will develop valuable employability skills, with opportunities for hands-on work experience in local industries. You will also

take part in visits to key engineering industry events and hear from guest speakers who are experts in the engineering sector, giving you insight into the latest trends and career opportunities.

Entry Requirements

Before starting the programme, applicants must meet the following requirements

GCSE English and Maths at Grade 5 or above

Successful interview with a course tutor

How To Apply

You can apply using our online application form and clicking the **Apply** button at the top of this page. For more information support with your enquiry or application please contact Student Services by emailing contact@nnc.ac.uk [<mailto:info@rotherham.ac.uk>] or by calling **01909 504500**.

What Courses Can I Progress Onto?

Upon completion, you can progress onto:

- Higher Education
- Suitable Undergraduate Degrees in Engineering
- Higher National Certificate (HNC) in 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.nnc.ac.uk/information/student-support/finance/course-fees/>] . If you need further advice or guidance please contact the Enquiries Team on **01909 504500**.

Additional Information

Some Personal Protective Equipment (PPE) will be provided, but students may need to purchase their own boots and overalls along with scientific calculators

Last updated: 7th March 2025