# Engineering

## T Level - Technical Qualification in Maintenance Installation for Engineering & Manufacturing (Mechatronics)

**Campus:** Rotherham College
**Code:** R06TP01
**Level:** 3

### About This Course

The **T Level Technical Qualification in Maintenance, Installation and Repair for Engineering and Manufacturing** allows learners to gain an understanding of what is needed to work within the engineering industry.

Topics covered include:

- health and safety
- engineering business
- maths
- maintenance
- installation and repair requirements
- fault detection and diagnosis
- isolation and resolution methods and communication for maintenance
- installation and repair activities

The first year is a mix of 17 core, theory units that will cover a range of electrical and mechanical disciplines.

This qualification is aimed at learners who wish to work in the engineering and manufacturing industry.

### What Will I Study?

Year one is a mix of 17 core units with two externally set exams It is a mandatory component required for completion of the T-Level and includes the following subjects:

- Health and Safety
- Level 3 Engineering Maths
- Electrical and Mechanical Principles
- Programmable Logic Controllers
- Engineering Science
- Engineering Materials
- Quality in Engineering/Continuous Improvement
- Working in an engineering environment

## Why Study Here?

Study **T-Levels in Engineering at Rotherham College** and take your first step into an exciting, high-demand career.

These qualifications combine classroom learning with industry placements, giving you the technical skills and real-world experience employers value. Whether you're aiming for university or the workforce, T-Levels provide the knowledge, confidence, and connections to succeed in the fast-evolving world of engineering.

## Entry Requirements

5 GCSE's at Grades 4 or above including English Language and Maths

OR

Completion of a full Level 2 Engineering Qualification AND English Language 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 or by calling **01709 362111**.

## What Courses Can I Progress Onto?

- University (Dependent on entry requirements)

- An apprenticeship in Mechanical/Electrical 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.**

## Additional Information

Safety equipment will be required, this will be discussed at enrolment with your course tutor.

**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 2027-28. However, we do reserve the right to make changes if necessary.

**Last updated**: 27th November 2026