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: 6th November 2026