

WELCOME TO ENGINEERING AT KIRKLEES COLLEGE

T LEVEL – ENGINEERING, MANUFACTURING, PROCESSING AND CONTROL

Occupational Specialisms:

- Production Technologies
- Fitting and Assembly Technologies
- Machining and Toolmaking Technologies

COURSE OVERVIEW

This exciting new T Level qualification has been co-designed with leading employers to help prepare young people with the knowledge, skills, and behaviours needed for a future career in engineering, manufacturing, processing and control.

TOPICS COVERED

- Principles of Working in Engineering, and Health and Safety
- Principles of Mechanical, Electronic, and Mechatronics
- Engineering Control Systems
- Engineering Representations - Drawing
- Quality and Project Management
- Business, Commercial and Financial Awareness and Stock and Asset Management
- Professional Responsibilities, Behaviours and Continuous Improvement
- Practical skills: CNC Practical, Milling/Turning, CAD/CAM, Hand Fitting/Welding

ASSESSMENT

T Levels are exam-based. In the first year, students will sit two core knowledge exam papers in June. They will also complete an employer-set project, which contains controlled assessments.

In the second year, students complete an occupational specialism assessment, demonstrating application of the relevant knowledge, skills and behaviours for the occupation.

INDUSTRY PLACEMENT

To achieve the T Level qualification students are required to undertake an industry placement for a minimum of 315 hours.

Placement is planned to start in January of the second year and be taken in a set block of nine weeks to give students the chance to get extensive experience in the engineering industry.

Industry placements are a mandatory aspect of the T Level where students are required to work towards achieving set learning goals for their T Level certificate to be awarded.

[Click here to see an example of the industry placement objective, typical activities, and learning goals to be achieved by a student.](#)



SUPPORT

A dedicated Work Experience Coach will:

- Support employers to match with the right student and help plan the industry placement. They provide ongoing support for the duration of the placement and monitor the student's progress towards their learning goals
- Support students to prepare for their placement and develop the skills and behaviours needed to successfully complete



FINANCIAL SUPPORT

- Employers may be able to access funding to overcome barriers to providing an industry placement
- Students can access help for travel and some other costs associated with attending their placement

Additional support is available to enable learners with specialist educational needs and disabilities to access and successfully complete a quality industry placement.



CAREER PROGRESSION

After completing a T Level, students can progress to a higher apprenticeship or on to a HNC/HND or degree, as a number of major UK universities accept T Levels. T Levels students can progress to employment in the following roles:

- Electronics Engineering Technician
- Mechanical Engineering Technician
- Construction Craftworker

