FIND YOUR NEXT LEVEL

T-LEVELS
THE NEXT LEVEL QUALIFICATION

Hartlepool College of Further Education

T Levels – Engineering and Manufacturing

Course Type
↗ Full-Time

Level
↗ Level 3

Duration
↗ 2 years

Target Audience

↗ If you are looking for a practical approach to learning with real on-the-job experience, a T Level in Engineering and Manufacturing could be your next qualification.

Designed by key employers, T Levels are a brand-new two-year programme choice for school leavers, which ensure you have the skills and knowledge businesses want and prepares you for work, apprenticeships and higher education. T Levels ably combine classroom theory, practical skills and on-site industrial knowledge. Those who complete a T Level are well placed to develop full occupational competence in their chosen field or go on to successful higher study.

Entry Requirements

↗ Typically, a prospective learner will have five or more GCSEs at Grade 5 or above, including maths and English, and preferably science/technology subjects. Prospective learners will be interviewed by a specialist member of the School of Engineering to assess their suitability.

Course Content

↗ There are three Engineering and Manufacturing T Level pathways: · Maintenance, Installation and Repair · Manufacturing, Processing and Control · Design and Development.

Within each pathway, there are a number of different occupational specialisms.

Course Content (cont.)

↗ Initially, we will be offering T Levels in:
· **Maintenance, Installation and Repair** with an occupational specialism in **Mechatronics**;
· **Manufacturing, Processing and Control** with an occupational specialism in **Fitting & Assembly.**

We have further plans to offer occupational specialisms in **machining & toolmaking, fabrication and welding, mechanical design and light & electric vehicles** in subsequent years.

Each Engineering and Manufacturing pathway has common core content, which is covered in Year 1. This includes topics such as maths & science, materials, engineering sectors, technological development, control systems, quality & continuous improvement, health & safety, business & commercial awareness, stock & asset management, project management and professional skills.

In Year 2, learners will tackle content of their occupational specialism. This focuses on relevant knowledge, skills and behaviours, framed around practical tasks linked to that specialism. Typically, learners will learn to analyse and interpret the requirements of a practical task, plan and prepare for the task, perform the task safely and accurately, review and evaluate the outcomes of the task and effectively communicate throughout the task.

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Course Content (cont.)

↗ In addition to classroom and workshop-based learning, learners will complete a 45-day industry placement with a locally-based engineering or manufacturing company over the course of the two years. This will typically start in January of Year 1. This will allow learners to put their studies into context and further develop their skills in a real work environment.

As part of learners' continuous development, all will take part in Hartlepool College of Further Education mandatory tutorial programme. The tutorial, typically covered in one session per week, will allow learners to interact with their assigned tutor for progress checks and development of beneficial soft skills.

Teaching and Learning

↗ Typically, learners will attend college four days a week and complete classroom and workshop-based sessions to develop their knowledge, skills and behaviours in the chosen pathway.

On the fifth day of the week, learners will attend their industry placement under a day-release format.

A variety of teaching strategies will be employed in delivering the T Level, dependent upon the content covered. This may include lectures, seminars, practical work, simulated work environments and group activities.

Assessment

↗ Learners will be formatively assessed throughout the T Level programme, with feedback for development and improvement. Formal summative assessment is by way of exams, project work and practical assignments. The core content covered in Year 1 is assessed by two, 150-minute written exams and an externally-set project completed over a number of days. Core content assessment is graded A* to E. The occupational specialism content covered in Year 2 is assessed by a single practical assignment completed over a number of days. Occupational specialism assessment is graded Pass, Merit or Distinction. Learners must also complete at least 315 hours of industry placement time in order to qualify for the T Level. The overall grade of the qualification is graded Pass, Merit, Distinction or Distinction* and is dependent on the grades achieved in the above assessments.

Progression

↗ Upon successful completion of this programme of study, learners will hold qualifications that are recognised nationally by further and higher education establishments, as well as employers and other stakeholders. This will enable them to progress to employment, higher apprenticeships and further study.

Progression (cont.)

↗ The Maintenance, Installation and Repair pathway develops knowledge, skills and behaviours linked to the Engineering Technician [Mechatronics Maintenance] and Maintenance and Operations Engineering Technician (MOET) apprenticeship standards (as well as the Motor Vehicle Service and Maintenance Technician [Light Vehicle] standard on future occupational specialisms).

The Manufacturing, Processing and Control pathway develops knowledge, skills and behaviours linked to the Engineering Technician [Toolmaker/Tool & Die] and Engineering Fitter apprenticeship standards (as well as the Plate Welder and Metal Fabricator standards on future occupational specialisms).

The Design and Development pathway will be linked to the Engineering Technician [Product Design] and Engineering Design & Draughtsperson apprenticeship standards when this is offered in the future. As T Levels are nationally recognised, they carry UCAS points allowing them to be used as entry qualifications for undergraduate engineering/manufacturing degree programmes at universities and higher education institutes.

Other

↗ Personal Protective Equipment (PPE) will be provided to learners for use in the workshop.

↗ HARTLEPOOLFE.AC.UK/TLEVELS