



ENGINEERING & MANUFACTURING T LEVEL

Design & Development (Three Pathways):
Electrical/Electronic, Mechanical or
Control and Instrumentation

T-LEVELS
THE NEXT LEVEL QUALIFICATION

THE NEXT LEVEL QUALIFICATION

T Level Programme Overview

Engineering and manufacturing is one of the UK's broadest sectors, accounting for over 19% of all UK employment! This means there's a wealth of opportunity in the sector and this innovative programme will give you the practical and technical skills to build an exciting and rewarding career in the engineering sector!

Equivalent to three A Levels, this two-year programme has also been developed in collaboration with employers and businesses, so you can rest assured that that the content is relevant and up to date.

You'll spend 20% of your time on an industry placement, giving you vital experience in the world of work and a CV to wow future employers. Your employer may also provide you with that invaluable first reference, whilst a number of our students have also been offered full-time contracts following successful Industry Placements.

What You'll Learn

You'll develop an understanding of a broad range of issues relevant to the sector, including:

- Working within the engineering and manufacturing sectors, developing an understanding of how materials, conditions and context influence design processes and products.
- Essential mathematics for engineering and manufacturing.
- Understanding materials and their properties, including processing techniques and their effects on materials and material quality; the condition of materials; how these are managed; and materials testing methods and techniques.
- The basic principles of business, commercial and financial awareness, including commercial priorities and markets, customers/clients/partners and resource allocation.

In addition to the core content, you'll also complete at least one module of occupation-specific content:

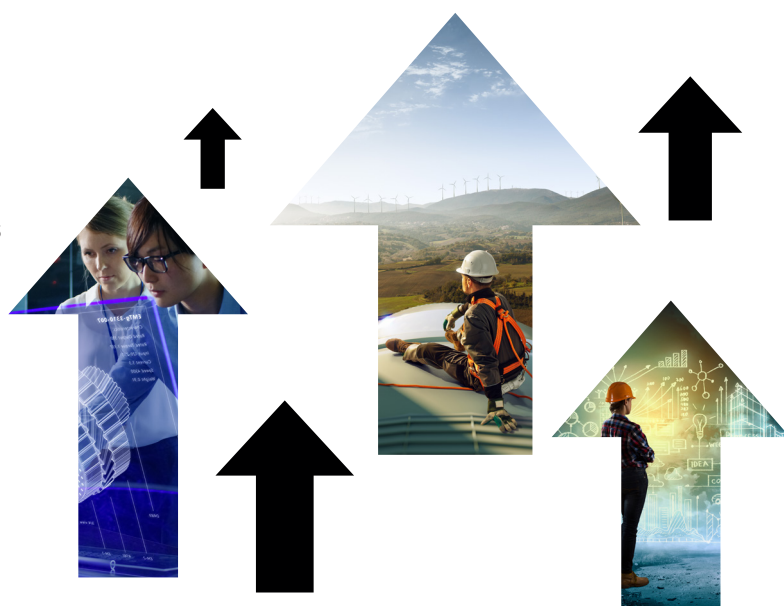
- Electrical/Electronic Engineering
- Mechanical
- Control and Instrumentation

On your Industry Placement, you'll work alongside professionals in the Engineering & Manufacturing sector, possibly working on a real-life engineering project. You'll gain a unique insight into your future career and the different specialisms that you would work towards.

Elements of Study

Your programme consists of the following elements:

- Study of your chosen vocational subject - 80% of your programme
- Employability skills, such as punctuality, attendance, communication and team work but most especially the values and expectations of your chosen occupational sector
- Industry Placement, giving you a taste of working life – 20% of your programme
- Tutorial and personal development, such as healthy living, volunteering and citizenship skills



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Industry Placement

An Industry Placement is at the heart of your T Level; you'll experience an extended sector-specific Industry Placement for 20% of your programme.

You'll be supported throughout by your own dedicated Workplace Coordinator, which means that on completion of your course, you'll be work ready, with the qualifications and experience to progress to either your dream career or university!

Pre-Professionals Programme

As part of our Pre-Professionals Programme, you'll have your own personal Learning Development Mentor, supporting you throughout your time at College. You'll also have access to a Careers Coach and Workplace Coordinator - they'll help you to manage your studies; oversee your progress; aid in your personal development; and enrich your learning, giving you exposure to not only employers, but leading companies in your sector.

You'll benefit from masterclasses, industry visits and project-based learning, and you'll also receive support with CV writing, personal statements, mock interviews and more, so that when it comes to the crunch, you have the skills and confidence to impress.

Supporting Your Learning and Wellbeing

We have a range of dedicated support and wellbeing services including **FREE** travel; **FREE** breakfast; dedicated Learning Development Mentors (LDMs); impartial advice and guidance; dedicated one-to-one support for learners with additional needs; and support with the cost of College, plus much more.

Entry Requirements

A minimum of five GCSEs at Grade 4 or above, including Maths, English and Science. In addition, you will be required to attend a formal interview.

How will I be Assessed

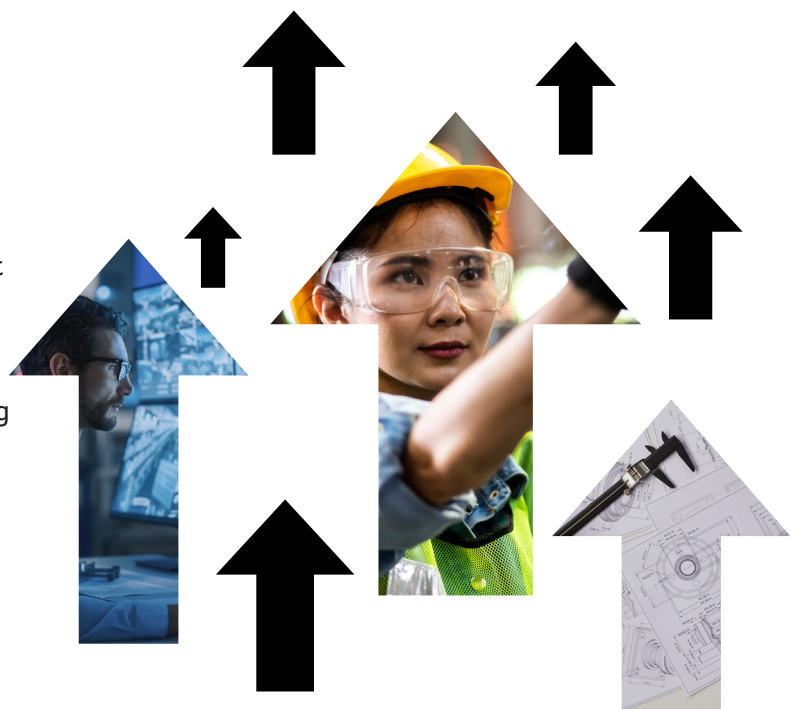
You'll be assessed via a mixture of assignments, employer-set projects and externally set exam(s).

Future Opportunities

The sole purpose of a T Level is to prepare you for employment and a dynamic career. Due to the broad range of topics covered on the Engineering & Manufacturing T Level, you'll be equipped for a career in a variety of sectors. You could work as a:

- Innovation Engineer, possessing a broad knowledge of business processes and emerging technology solutions, earning up to £50,000 per year.
- Manufacturing Engineer within an assembly manufacturing facility, ensuring that products are built efficiently and to budget, earning up to £35,000 per year.
- Electrical & Electronic Engineer, implementing a maintenance programme and replacing aged and obsolete electrical and electronic systems, as well as maintaining standards within a mature manufacturing environment, earning up to £50,000 per year.

As the T Level is equivalent to three A Levels, you could even decide to progress to university or a paid Apprenticeship, if you choose.



Disclaimer: Every care has been taken to ensure that the information contained within these course information sheets was accurate at the time of publishing. Bolton College is constantly evaluating its services to meet the needs of learners; therefore programmes/courses/Apprenticeships, resources and facilities may be subject to change without prior notice.



www.boltoncollege.ac.uk/young-people



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Enrichment

Sitting a job interview, writing a personal statement, applying for university - taking part in our enrichment programme will give you a CV to wow in all of these situations! You'll benefit from:

- Inspiring trips and experiences
- Meetings with industry experts
- Visits to leading companies in your sector.

As well as giving you essential professional and technical skills, you'll demonstrate that you're a successful and well-rounded person, helping you to make a lasting impression.

We want you to have fun, so we also have plenty of leisure and sporting activities for you to enjoy, improving your health and wellbeing.

Why Choose Us?

We're an elite College, and part of the University of Bolton Group, offering you a gateway to all of Greater Manchester's vast range of fantastic opportunities for specialist careers, university degree courses and higher Apprenticeships.

We'll reward your achievements with trips to The Anderton Outdoor Activity Centre and the opportunity to apply for the prestigious Duke of Edinburgh Award.

Our £75 million campus offers a refurbished fitness suite and sports hall; Apple Mac suites; libraries, a theatre and dance studios; hair and beauty salon; and a restaurant, café and canteen.

You'll also enjoy a wide range of events, including showcases, enterprise activities and cultural celebrations.

Open Events

Open Events are the best way to discover what life as a Bolton College student is like, giving you an insight into College life.

Open Events at our Deane Road Campus are as follows:

- **Thursday 20th October 2022, 5pm-8pm**
- **Tuesday 15th November 2022, 5pm-8pm**
- **Wednesday 7th December 2022, 5pm-8pm**
- **Wednesday 8th February 2023, 5pm-8pm**

If you'd like to attend one of these events, register by visiting www.boltoncollege.ac.uk/register-open-events

How to Apply?

Find this course on our website www.boltoncollege.ac.uk then click the 'Apply' button.

You'll be asked to set up a Learner Hub account so that you can track your application and enrol online. You'll also be asked to book your interview for your course at the same time.

If you have any difficulties setting up your Learner Hub account, please email learner.hub@boltoncc.ac.uk

