

# T Level in Engineering: Design & Development – Electrical Specialism



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Subject Area	Engineering
Course Type	School Leavers
Study Level	Level 3
Delivery Mode	Full-time
Duration	2 Years
Start Date	September 2026
Course Code	PA000825

## Course Summary

Are you ready to help shape the future of electrical engineering? The T Level in Design and Development for Engineering – Electrical Specialism at Bradford College is a forward-thinking qualification developed in collaboration with leading employers. It combines classroom-based learning with practical industry experience, preparing you for a successful career in engineering, manufacturing, or further study.

This two-year programme provides a solid foundation in engineering principles, design techniques, and manufacturing processes. In your second year, you will specialise in **Electrical and Electronic Engineering**, gaining in-depth knowledge and hands-on skills that are highly sought after across the sector.

## What You Will Learn

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- **Employer-Led Curriculum:** Designed with input from industry to ensure relevance and employability.
- **Real-World Experience:** Includes a minimum 45-day industry placement working on live engineering projects.
- **Excellent Facilities:** Access to industry-standard software, 3D printers, and advanced manufacturing equipment.
- **Electrical Engineering Focus:** Learn about electrical systems, circuit design, testing, and embedded electronics.
- **Progression Routes:** Pathways into apprenticeships, university, or employment in roles such as Electrical Technician, Design Engineer, or Embedded Systems Developer.

## Modules

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- Engineering and Manufacturing Fundamentals
- Core Engineering Concepts
- Computer-Aided Design (CAD) and Prototyping
- Electrical Systems and Circuit Design
- Materials Science and Quality Assurance
- Project Management and Team Collaboration
- Practical Engineering Project

## Entry Requirements

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Five GCSEs at grades 9-4 including: English at grade 5 and Maths at grade 5

## Work Experience

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During this course you will be required to undertake 45 days of work experience

# Progression

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Higher-level  
apprenticeships in Electrical and Electronic Engineering  
University degrees in  
Electrical Engineering, Robotics, or Product Design  
Employment in  
engineering roles across manufacturing, energy, and technology sectors

**Disclaimer:** Our prospectus, college documents and website are simply here to offer a guide. We accept no liability for any inaccurate statements and are not responsible for any negative outcomes if you rely on an inaccurate statement. We reserve the right to withdraw any programmes or service at any time.