

# Engineering

## Engineering: T Level Electrical and Electronic Engineering (Design and Development) Full-time

### In Brief

#### Start Date / Duration

This course will commence in September and take two years to complete.

#### Entry Requirements

Five GCSEs at grade 4 or above including Maths and English at grade 5 or above.

#### You will achieve

T Level in Design and Development: Electrical and Electronic Engineering.

### Course Overview

This course is great for beginners in the electrical industry. It covers essential skills like safety, electrical science, installation, and technology. While it won't make you a certified electrician, it's a great start. This two-year course includes 45 days of industry placement. You'll learn design methods, use of tools and materials, create and test electrical models, and understand symbols and conventions

### Course Content

#### How will I be assessed?

You will complete:

- Two externally set exams covering knowledge from the engineering common core.
- An employer-set project that will consist of a well-defined, real industry-style brief. The brief will be complex and non-routine and will require the use of relevant Maths, English and digital skills. The brief will give you the chance to demonstrate your knowledge and understanding of the core content and your core skills to solve problems that could occur in the work place.
- An occupational specialism assessment which is composed of a series of practical tasks relating to the specialism at hand. This will take place over a period of time, which will be confirmed when you start your course. By nature of the considerable practical elements, the tasks will

generate significant evidence and you will be assessed by an Internal Assessor.

## What Equipment Will I Need?

Writing and drawing equipment and a scientific calculator.

## Where will I study?

Science, Technology, Engineering and Maths (STEM) Centre  
Old Mill Lane  
Barnsley  
S70 2LA

## What can I do next?

See what careers are available in the Engineering [https://www.barnsley.ac.uk/app/uploads/2023/10/Engineering-careers-2023-24.pdf] sector. Use our online careers tool, Career Coach [https://barnsley.lightcastcc.com/?radius=&region=Barnsley] , to find out what your next steps could be.

## How much does the course cost?

### 16 – 18 year olds

Full-time Barnsley College students aged 16-18 years old do not have to pay tuition fees.

## Extra information

### Contact the Information Unit

For further information please contact our friendly Information Team on +44 (0)1226 216 123 or email [info@barnsley.ac.uk](mailto:info@barnsley.ac.uk) [mailto:info@barnsley.ac.uk]

### Want to join Barnsley Sports Academy and Honeywell Sports Village?

Barnsley College has a range of sports opportunities for all students to take part in, gain professional training and compete nationally and internationally. We also have a state-of-the-art fitness village, Honeywell Sports Village [https://www.barnsley.ac.uk/shops-services/honeywell-sports-village/] where students can make use of our fitness suite, spinning studio and classes for competitive rates. You don't have to be studying sport to get involved in the Sports Academy [https://www.barnsley.ac.uk/barnsley-sports-academy/].

### Additional Learning Support

Our Additional Learning Support team can provide you with the support you need. Call 01226 216 769 for further information.

## English and Maths

Having good English and Maths qualifications are important for most careers and we want to give you the help you need to succeed.

If you are aged 16 – 19 and don't hold a grade C/4 or above in GCSE English and Maths, you will automatically be included in your study programme. If you want to work towards achieving a higher grade in English and Maths, we can help you do that too and we offer Level 3 Mathematical Studies (Core Maths) which can be added to your study programme.

If you're aged 19 or above and don't hold a a grade C/4 or above in GCSE English and Maths we can help. We offer FREE English and Maths qualifications that can be studied on a part-time basis, subject to eligibility.

If you need any further information, please contact our Information Team by calling 01226 216 123 or emailing [info@barnsley.ac.uk](mailto:info@barnsley.ac.uk) [mailto:info@barnsley.ac.uk]

## Disclaimer

Please note we reserve the right to change details without notice. We apologise for any inconvenience this may cause.

**Last updated:** 6th November 2024

### Want to apply?

Visit <https://www.barnsley.ac.uk/apply> to get started

Call us on **01226 216 123**