



## LEVEL 2 – ELECTRONIC ENGINEERING

Congratulations on being accepted onto the Level 2 Electronic Engineering course at The College! Here is some course information to help you to get started.

### WHAT YOU WILL STUDY:

The course is made up of a variety of units to give you an introduction to a range of engineering topics. These include:

- How electronic components and devices work, and what they do
- Testing and measurement using industry-standard equipment
- Circuit design and construction, including soldering and other assembly techniques
- Investigating the operation and maintenance of different electronic systems

You will also improve your English and Maths abilities, and if you're between 16-18 when you enrol, you will complete a Work Placement programme.

### WHAT YOU WILL NEED:

As a minimum, it is recommended that you bring the following items with you every day:

- Stationary – pens, pencils, ruler, etc.
- Scientific calculator
- USB memory stick
- A4 note paper, and a binder to organise your notes and any documents you are given

You won't need to bring a laptop with you, as these are available in the classrooms.

The course is designed for beginners who are new to electronics, but an interest in science and engineering will be an advantage.



### **WHAT'S THE WORK LIKE?**

Most of the work will be a mixture of classroom activities and written assignments.

For example, after learning how some electronic components work, you may build some circuits which use them, and then write a report on what you have done.

You will be expected to work independently in your own time to complete some of the written work, but we will give you all the information you need to prepare for this.

Each unit is made up of 3 or 4 assignments spread over the year. Your grade will be based on these assignments, so there's no "final exam".

### **HOW YOU CAN PROGRESS AFTER L2:**

Learners who successfully complete their course will have the opportunity to progress to a Level 3, which in turn can lead to studying for a degree in engineering at university.

You can also consider an apprenticeship, which would allow you to gain valuable industry experience and build your CV while being paid.

Hopefully this helps to answer some of the questions you may have about studying electronics at The College. We look forward to meeting you in September.

In the meantime, why not search "Electronics" on YouTube, or check out some of the Maker Community's projects on Hackaday.com to see where electronic engineering could take you!