

Electrical Biased Study Program Year One

Subject Area: Engineering **Level:** 2 **Duration:** 1 year **Attendance details:**
Full Time **Location:** City Campus **Award to be received:** BTEC

Course Information

Who is this course for?

This study program is for people who are interested in a career in engineering within the manufacturing industries or who would like to progress to Level 3.

What do you need to apply for the course?

You will need at least two GCSEs at Grade **5** or above including Mathematics.

What are the key things you'll learn?

This study program has two core units' topics:

- The Engineered World
- Investigating an Engineered Product

As well as an optional unit:

- Electronic Circuit Construction

The Practical Element of the study program has three mandatory topics

- Working Safely in an Engineering Environment
- Carrying out Engineering Activities Efficiently & Effectively
- Using & Communicating Technical Information

As well as 3 optional topics depending on which route you prefer electrical or mechanical:

Electrical

- Producing components using hand fitting techniques
- Assembling and testing electronic circuits
- Maintaining electrical equipment/systems

Functional Skills/GCSE

If you do not have a grade 4/5 GCSE in English you will have to complete either functional skills or a GCSE whichever is deemed appropriate once you have been assessed.

Additional Subjects

In addition to the main program you will be required to attend personal development and works experience sessions these are included in the program to ensure support for you at college and support in understanding requirements of employers.

How will you learn?

This study program is taught with a mixture of classroom based theory and practical workshops.

Additional Costs

You will be expected to contribute to the cost of PPE (Overalls and Safety Boots)

Where could this course take you?

After completing this study program, you could progress to the BTEC Level 2 (Top Up) "Diploma in Engineering", (Year Two) which can lead to other further engineering courses. You could also use this qualification as 'off the job' training and apply for apprenticeships in engineering or as preparation for engineering in the armed forces.