

Engineering - Level 3 Extended Diploma

Are you fascinated by how things work? Do you dream of creating innovative solutions to real-world problems? Studying engineering can unlock a world of endless possibilities, where you can turn your ideas into reality and make a meaningful impact on society. Get ready to embark on an exciting journey of discovery, creativity, and innovation!

This course covers a wide variety of engineering areas and can help you if you have not decided which engineering pathway to follow.

In this course, you will:

- **Develop your research skills**
- **Advance your technical knowledge**
- **Design and create your solutions to everyday engineering problems**
- **Develop your mathematical skills**
- **Complete a project on a related topic of your choice**

Extended Diplomas have two one-year programmes. You need to finish the first year before moving on to the second.

WHAT WILL I STUDY?

This course consists of two separate qualifications. In your first year of study, you will work towards the Level 3 Foundation Diploma. Following successful completion of this qualification, you will be able to progress to the Extended Diploma. Our Extended Diplomas offer equivalent UCAS points to studying 3 A Levels.

Year One

- Engineering Principles
- Delivery of Engineering Process Safely as a Team
- Engineering Product Design and Manufacture
- Applied Commercial and Quality Principles in Engineering

Year Two

- A Specialist Engineering Project
- Microcontroller Systems for Engineers
- Calculus to Solve Engineering Problems

Start Date: 2 September 2025

Duration: 1 Year

Attendance: Full Time

Center: King's Cross Centre

<https://www.capitalccg.ac.uk/course/pdf/41893/>

WHAT WILL I NEED?

You will need:

- Five GCSEs at grade 4 or above, including English Language, Maths and Science or an equivalent Level 2 qualification, such as Science, at Merit (and Functional Skills in English and Maths at Level 2/GCSE English Language and Maths at grade 4 or above)
- A reference from your previous school/college

All applicants must have an initial assessment and interview to confirm that the course is suitable for them.

HOW WILL I BE ASSESSED?

The course is assessed throughout the year with practical assignments, tasks and written exams. The tasks and exams are set and marked by Pearson, and allow you to demonstrate your confidence in recalling and applying technical information and fundamental knowledge, as well as your application of knowledge and skills.

WHAT WILL IT COST?

AGED 16-18

If you will be aged 16, 17 or 18 on 31st August prior to the start date of your course and you have the legal right to remain in the UK for the duration of your programme then your study with us will be free. Please see [here](#) for the documents you will need to show us.

Some courses will have other associated costs, such as for specialist materials and trips. Many of our students are eligible for financial support, see [here](#) for details.

ADULTS - LEVEL 3

If you will be aged 19 to 23 prior to the start date of your course, and do not already have a full Level 3 qualification, you may be eligible for a Level 3 entitlement, in which case your study with us will be free. If you are older, or already have a Level 3, we have many other Level 3 courses that are also [free](#) to study. Otherwise, you will have to pay the fees yourself or apply for an [Advanced Learner Loan](#).

Please see [here](#) for the documents you will need to show us.

Some courses will have other associated costs, such as for specialist materials and trips. Many of our students are eligible for financial support, see [here](#) for details.

WHAT CAN I DO AFTER?

This course will help you to move on to higher-level courses, such as a Bachelor of Science, an apprenticeship or other employment.

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