

# Mechanical and Aeronautical Engineering - Foundation Year (City University)

The Foundation Year for Mechanical and Aeronautical Engineering allows you to gain the mathematical, scientific and technical knowledge to enrol on the first year of the M.Eng. or B.Eng. Honours Degree at City, University of London. It is a highly successful foundation programme, delivered in partnership with Westminster Kingsway College by its enthusiastic staff at the Victoria Centre. Upon successful completion of the foundation year, students gain direct access to the honours degree, continuing their studies at City's campus, in Islington.

The Foundation Year programme and the honours degrees it feeds into are accredited by the Institution of Mechanical Engineers (IMechE) and the Royal Aeronautical Society (RAeS) and have been commended on several occasions in the University's Quintennial Periodic Programme Reviews and the last two Higher Education QAA Reviews.

For information on our Higher Education policies including admissions, fees, and student contracts, please see the links below:

- [Admissions Policy](#)
- [Complaints Policy](#)
- [Equality, Diversity and Inclusion Policy](#)
- [Fees Policy](#)
- [HE Student Contract](#)
- [Student Protection Plan](#)

For our full list of policies, governance and fees please see our website [Capital City College Group \(capitalccg.ac.uk\)](https://www.capitalccg.ac.uk).

## WHAT WILL I STUDY?

The Foundation Year programme is structured in 5 subjects:

- Mathematics
- Physics
- Mechanics

**Start Date:** 2 September 2024

**Duration:** 1 Year

**Attendance:** Full Time

**Location:** Victoria Centre

- Electronics and Information Technologies
- Life, Communication and Study Skills

The main subjects are Mathematics, Physics and Mechanics, which provide a substantial foundation consistent with the further study of an Engineering degree at university. In these subjects, you will learn to apply the mathematical tools used in modern engineering, such as algebra, calculus, numerical methods and matrices, and also the scientific principles underlying engineering applications, such as kinematics, dynamics, thermodynamics, fluid mechanics, mechanical properties of materials, and electricity.

In addition to those three main subjects, the component in Electronics and Information Technologies is aimed at giving students knowledge about the fundamentals of electronics, and practical skills in the use of IT in Engineering for analysing and presenting data, and also in Computer-Aided Design (CAD).

The study and communications skills component, together with considerable tutorial support, both in groups and individually, encourages the development of the student's awareness of the learning process, to gain a well-established sense of their competence as learners.

## WHAT WILL I NEED?

Applications should normally be done through UCAS to City, University of London – please see <https://www.city.ac.uk/prospective-students/courses/foundation/mechanical-and-aeronautical-engineering>.

Alternatively, if you do not hold a level 3 qualification allowing you to follow the UCAS route, you can gain admission to the programme via Direct Entry, in which applicants are tested and interviewed directly by WKC. If you wish to apply through Direct Entry, please submit your application by adding the course to your basket and checking out.

## HOW WILL I BE ASSESSED?

The programme is mainly assessed through written examinations (75%) and coursework assignments (25%). All assessments are delivered immediately after the module they correspond to has been completed; assessment is therefore continuous and conveniently spread throughout the whole academic year. Planning of each module furthermore includes a full revision week within the lessons timetabled for that module before its corresponding written examination.

The examinations and assignments are set and marked by the programme's lecturers and are independently verified by an External Examiner. Individual feedback is provided orally and by writing for each assessment normally within two weeks of the assessment taking place.

## WHAT WILL IT COST?

### ADULTS - LEVEL 4

If you will be aged 19+ before the start date of your course and plan to study a Further Education course at Level 4, and you are out of work or on a low income, your study with us may be [free](#). Otherwise, you may have to pay the fees

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<https://www.westking.ac.uk/course-detail/pdf/17672/>

yourself or apply for an [Advanced Learner Loan](#).

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

Some courses are free of charge as they are funded by the Greater London Authority (Mayor of London). Please [contact us](#) to confirm if you are eligible.

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

Tuition Fees £9250

## WHAT CAN I DO AFTER?

Successful completion of the Foundation Year for Mechanical and Aeronautical Engineering allows direct admission to the first year of the B.Eng. and M.Eng. engineering degrees offered by City, University of London.

It can also give access to undergraduate courses at other institutions or higher degree apprenticeships; in these cases, students will need to make specific enquiries with the institutions involved.

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