

HND in Engineering (Electrical and Electronic Engineering)

This course is designed for 19+ adults.

The BTEC Higher National Diploma in Engineering qualification will allow you to work as a technician or technician engineer in electrical and electronics design, manufacture, maintenance, testing or fault finding.

This is a 2-year course.

*This course will run from January 2023, subject to validation.

Progression opportunities

Year one of this course is the equivalent to a HNC, covering the Level 4 modules needed to work towards the HND.

On completion of the Higher National Certificate in Engineering, learners can continue their studies into the Higher National Diploma qualification:

- The Pearson BTEC Level 5 Higher National Diploma allows students to specialise by committing to specific career paths and progression routes to degree-level study.

On successful completion of the Higher National Diploma, students can develop their careers in the engineering sector through:

- Entering employment
- Continuing existing employment
- Linking with the appropriate professional body
- Linking with the appropriate vendor accredited certificates (if appropriate)
- Committing to Continuing Professional Development (CPD)
- Continue their studies by completing a degree in engineering through the London Metropolitan University.

Entry Requirements

The entry requirements for this course are:

- GCSE English and maths at grades A* (9) to C (4) or equivalent is strongly recommended.
- You must have a Level 3 qualification such as BTEC Level 3 Diploma, Access to HE Diploma, or A-Levels in a related subject.

Disclaimer:

Every effort has been made to ensure the details contained in this leaflet are up-to-date and accurate at the time of printing. However, the College reserves the right to alter or cancel courses, their content, entry requirements, fees or other details should circumstances dictate.

- Related work experience

If you have international qualifications, you must:

- Hold the equivalent of the above Level 3 qualifications.
Satisfy the minimum English requirement: Common European Framework of Reference (CEFR) level B2; PTE Academic 51, or IELTS 5.5 (reading and writing must be at 5.5).
- You will be required to attend an informal interview which may include completing an assessment based on your prior qualifications and provide a statement ahead of your interview.

Registrations will be made by London Metropolitan University.

What will I study?

This course consists of the following modules:

Year 1:

- Engineering design
- Engineering maths
- Engineering science
- Managing an engineering project
- Electrical principles
- Electrical systems and fault finding
- Electronic circuits and devices
- Renewable energy

Year 2:

- Research project
- Engineering management
- Further mathematics
- Electronic storage
- Industrial systems
- Sustainability
- Electronic principles

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How will I be assessed?

You will be assessed via:

- Practical assessments
- Data analysis
- Case studies
- Examinations
- Both open and closed book
- Reflective activities
- Written reports
- Presentations

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