

Electrical Engineering

What you'll do as an Electrical Engineer

Electrical engineers design, build and maintain electrical systems, machinery and equipment.

As an Electrical Engineer you could:

- carry out feasibility studies for new technical developments
- draw up project plans and circuit diagrams using computer-assisted engineering and design software
- estimate costs and project timings
- coordinate the work of technicians and craftspeople
- test installations and systems, and analyse test data
- make sure projects meet safety regulations
- oversee inspection and maintenance programmes
- attend meetings, write reports and give presentations

Working Environment

You could work in a factory, at a power station, in a workshop, at a research facility or in an office.

How Will I Study?

You'll typically spend your full first year in a Gen2 Skills Centre for teaching and support sessions. In other years you will attend one day a week. You'll spend the rest of the time at your workplace.

Duration

36 - 42 months plus End Point Assessment, depending on the programme you study.

Next Steps

Following on from your level 3 apprenticeship you can move onto higher education. There is also the opportunity to apply for professional recognition with relevant professional institute.

Skills and Knowledge

You'll need:

- Maths knowledge
- ICT skills
- design skills and knowledge
- to be thorough and pay attention to detail
- analytical thinking skills
- persistence and determination
- excellent verbal communication skills

Entry Requirements

You'll usually need:

5 GCSEs at grades 9 to 4 (A* to C), or equivalent, including English and Maths, for an advanced apprenticeship.

You'll need to take a colour vision test.

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Call **01900 701 300** or email **recruitment@gen2.ac.uk**

Gen2 Apprenticeships

Engineering Design and Draughtsperson Level 3 Advanced Apprenticeship

Engineering Fitter Level 3 Advanced Apprenticeship

Installation Electrician and Maintenance Electrician Level 3 Advanced Apprenticeship

Maintenance and Operations Engineering Technician Level 3 Advanced Apprenticeship

Science Industry Maintenance Technician Level 3 Advanced Apprenticeship

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