

# Electronic engineering @ UK unis - quick facts

## Top 20\*

1 Cambridge	A*A*A	11 Exeter	AAB
2 Oxford	A*A*A	12 Bath	AAB
3 Imperial	A*AA	13 Bristol	AAA
4 Leeds	AAA	14 Manchester	AAB
5 Glasgow	AAB	15 Loughborough	ABB
6 Strathclyde	AAA/ABB	16 Newcastle	ABB
7 Southampton	AAA	17 Queen's Belfast	AAA
8 UCL	AAA	18 Birmingham	AAB
9 Edinburgh	AAA	19 Aberdeen	BBB
10 Nottingham	AAA	20 Lancaster	ABB

You can usually apply for a BEng (3 years) or an MEng (4 years). These entry requirements are for BEng, other than Imperial and Bath which are for the MEng. The entry requirements for MEng degrees are usually one or two grades higher than those for BEng. If you take a BEng you can usually switch to an MEng later in your degree provided you meet the academic requirements. At Cambridge and Oxford you apply for a general engineering degree and specialise later.

\* Complete University Guide April 2020

## Must haves

Maths A Level and, at many universities, physics A Level. Other science subjects and FM are favoured.

## Other degrees to consider

General engineering, maths, physics, design technology, computer science. Degrees with a year in industry or apprenticeship degrees are worth considering.

## Example course modules

A typical electronic and electrical engineering degree will cover the fundamentals of electronics, computers and control, digital electronics, analogue electronics, the analysis of circuits, sensing & signals, transport technology, energy, chemical & sustainable engineering, embedded hardware & software, and motor control.

**Contact hours per week:** 20 (Average all subjects 14.)

## Career prospects

A degree in electronic and electrical engineering can open up doors in a range of sectors including aerospace, automotive, IT, energy and telecommunications. You could work as an engineer, a CAD technician, a design consultant, a sound or systems engineer, a systems analyst or an acoustic consultant. You could find an alternative career in management consultancy, or as a multimedia programmer or use the skills gained in your degree to work in finance, telecoms or the construction industry.

**Average starting salary:** £25,000