



**UK Electronics  
Skills Foundation**

# 6 Reasons to Study Electronics

In the UK, the Electronics sector is big, valuable and growing; however, the demand for capable, employable graduates is currently outstripping supply. There are plenty of reasons to study Electronics at university – here are 6 of them:

## 1) You're moulding the future with your hands...

Exciting developments in Electronics means that we are constantly developing innovative products and helping to transform the way humanity lives; from evolutions in healthcare to entertainment. In the near future, we will see 'smart' cities with transportation, energy consumption, security and water use all improved thanks to Electronics.

**90%**

of smartphones  
contain Electronics  
designed in the UK

## 2) Let's be honest, technology is very cool...

We live in an increasingly high-tech world. Electronic engineers are working at the cutting-edge, creating amazing solutions to tackle global problems. From the AI that so many of us now have in our homes and on our smartphones to augmented reality games to driverless cars, the tech that was once only in movies is now a real part of our lives. Advances in Electronic technology have been rapid over the last few decades, but there is so much more to come.

**66%**

of employers in  
Electronics sector  
currently recruiting  
engineering and  
technology staff

## 3) Electronics isn't all Maths and Science...

Of course, mathematics and scientific principles are a big part of working in Electronics, but without creative flair and an ingenious touch, a product or solution will not be attractive to its users. Electronics is all about using creativity to bring ideas together and design fabulous products.

## 4) Electronics has fantastic job prospects all over the UK...

The UK has the 6<sup>th</sup> largest Electronics industry in the world, with around 10,000 companies in every region of the UK. For example, because of a growth in Electronics businesses, South Wales is rapidly developing into the UK's own version of Silicon Valley! All around the country, it is a vibrant and growing sector with a massive economic impact. In fact, Electronics has £98bn annual turnover and contributes 6% of the nation's GDP.

**£46,567**

Is the mean full-time  
salary for Electronic  
Engineers in the UK

## 5) High salary and job security? Don't mind if I do...

As Electronic designers and engineers are in demand, employers pay high salaries. Unemployment in the sector is very low and grads can expect to start with a salary of at least £27K – graduate-jobs.com estimates that the average graduate starting salary is £19–22K. Then, the mean full-time salary in Electronics grows to over £46K, with Chartered Engineers earning, on average, over £68K!

14

of the world's leading  
20 semiconductor  
companies have a  
design and/or  
manufacturing site in  
the UK

## 6) You'll get the opportunity to travel the world...

Electronics is a truly global profession; there are many opportunities around the world. Electronics plays such a big role across a whole range of technologies and products – collaborations between different teams of designers and manufacturers in different countries are commonplace.

Find out more by visiting the #TurnOnToElectronics website:  
[turnontoelectronics.org](https://turnontoelectronics.org)

Still need convincing? Check out some testimonials from some of our UKESF Scholars below:

### Eve

**Company sponsor:** Leonardo (Edinburgh)  
**University:** University of Glasgow  
**Course:** MEng Electronics & Electrical Engineering

"In my early school years, engineering was marketed just like Yorkie bars: not for girls. I ate a lot of Yorkie bars growing up!"



### Patryk

**Company sponsor:** Renesas  
**University:** University of Nottingham  
**Course:** MEng Electrical and Electronic Engineering

"It's actually incredible to discover how data is stored, processed and then relayed to a human in a form that is readable, in barely a blink of an eye!"

### Mekhola

**Company sponsor:** Rolls-Royce  
**University:** University of Sheffield  
**Course:** MEng Electronics & Electrical Engineering

"I am so happy with my placement as I get to be part of an interdisciplinary team that works on something that affects the future lives of many."

