EXPLORE YOUR POTENTIAL

SUMMER TASTER COURSES 30 JULY – 3 AUGUST 2018
ELECTRONICS AND COMPUTER SCIENCE,
AND BIOMEDICAL ELECTRONIC ENGINEERING
The University of Southampton has an outstanding reputation for Electronics and Computer Science. We are a member of the prestigious Russell Group of research universities and our degrees are ranked amongst the best in the UK. Our graduates are highly regarded by leading employers and we work closely with industrial partners, both in our research and our teaching.

Our popular Electronics and Computer Science Summer Taster Courses have been running successfully for many years. They are a great way to find out more about subjects which are at the cutting edge of technology and to explore whether this sector is right for you.

Find out more: www.taster.ecs.soton.ac.uk

These one-week residential courses will enable you to experience either Biomedical Electronic Engineering or Electronics and Computer Science. You will have the opportunity to live life as a university student and enjoy a busy programme:

→ Try your hand at real experiments in our state-of-the-art laboratories
→ Learn about our teaching and research from our globally renowned lecturers
→ Get to know our current students and recent graduates
→ Enjoy social events and meet fellow students
→ Experience life on campus and in our halls of residence
→ Meet leading employers at our annual Taster Course Careers Fair.

‘A needed boost in motivation to work hard for some excellent grades.’

‘Very helpful in deciding whether university is right for me.’
If you love maths, technology or science, this course will enable you to apply your skills to computer science and electronic engineering. You will work in groups, investigating and designing solutions to real-world problems in our state-of-the-art undergraduate labs.

What is Computer Science?
We use computers in every area of our lives; but getting computers to do what we want them to do requires specialist expertise and knowledge. Computer science is a problem solving science, modelling and analysing problems and providing solutions in engineering, health care, business and industry.

What is Electronic Engineering?
Electronics is the use of electricity to communicate, compute and control the world around us – from the processor in your phone, to the intelligent prosthetic arms that allow amputees to lead a normal life. Electronics is an engineering discipline and is underpinned by mathematics and physics. These are applied to designing and inventing cutting-edge products and systems.

1. Experiment in our state-of-the-art computing labs
2. Our student mentors provide help and support throughout the week
3. Experience lectures from our world-leading academics
4. Students on the course in the computing lab
5. Testing digital health solutions in the lab

ELECTRONICS AND COMPUTER SCIENCE TASTER COURSE
30 July - 3 August 2018, course fee £235

100% of our MEng Computer Science students were satisfied or very satisfied with the overall quality of their course
National Student Survey, 2017

99% of our Electrical and Electronic Engineering students were satisfied or very satisfied with the overall quality of their course
National Student Survey, 2017

Speaking to the mentors was invaluable.
The Biomedical Electronic Engineering Taster Course lets you experience the cutting edge interface of electronics and healthcare technologies. We will teach you how to design and construct a miniature biosensor and analyse its performance by measuring samples representative of three different diseases. You will also learn about miniaturised “Lab-on-a-Chip” diagnostics, smart prosthetics and signal analysis techniques for wearable healthcare.

What is Biomedical Electronic Engineering?
Biomedical electronic engineers consider innovative digital health solutions to address the growing pressure on healthcare providers created by an ageing population and an increase in chronic disease. By combining electronics and biomedicine, new healthcare technologies can be created such as home monitoring and intelligent diagnostics and treatment.

“Very informative and fun, and helped me figure out what I would like to study at university.”
Siân
Taster course attendee, 2017
If you would like to apply to attend one of our Summer Taster Courses:

1. Complete the application form at: [www.taster.ecs.soton.ac.uk](http://www.taster.ecs.soton.ac.uk)
2. We will acknowledge your application and notify you of our decision within 14 days.
3. If we offer you a place on the course, you will have a further seven days to register and pay.

Please note these courses are very popular and are usually oversubscribed. All applications are individually reviewed by our admissions team.

### Eligibility

**Typical requirements for our Summer Taster Courses are:**

- for the Electronics and Computer Science Taster Course: currently studying A-Level Maths and either Physics, Computing, Electronics, Biology, Chemistry or Further Maths
- for the Biomedical Electronic Engineering Taster Course: currently studying A-Level Maths and either Physics, Biology, Chemistry or Further Maths
- attained mostly A/A* grades at GCSE
- currently in year 12 and age 16+ on 29 July 2018.

*Equivalent qualifications apply if you have studied outside the UK*

**We don’t mind:**

- whether you have any previous knowledge of computer science, electronics or programming: no prior experience is necessary
- if you are male or female: 50 per cent of our initial allocation of places is reserved for each gender
- where you intend to study for your degree after your A Levels: there is no obligation to apply to the University of Southampton following the course
- if you know that you want to study one of these subjects at university, or just want to explore the subject further.

### Timing, fees and bursaries

The course commences at 11.00am (registration from 10.00am) on Monday 30 July and finishes at 2.00pm on Friday 3 August.

The total cost of the course is £235, which includes overnight accommodation Monday – Thursday nights, and all food and drink for the week.

If you would prefer to arrive on Sunday 29 July, overnight accommodation on Sunday night, dinner and breakfast on Monday are available for an additional £53.75. Overnight accommodation is not possible on Friday 3 August but we can provide a list of local hotels.

We have small number of competitive bursaries to cover the full course fee. Bursaries are available to students who meet at least two of the following criteria:

- will be the first generation in their family to attend university, excluding brothers and sisters
- current home post code is in an area with low levels of progression to Higher Education (more information is given on the application form)
- in receipt of a 16-19 Bursary or similar grant OR received Free School Meals at any point during secondary school education
- currently a Young Carer or Young Adult Carer
- living or grew up in Local Authority care.

*Please note bursaries do not cover the cost of additional accommodation and meals on Sunday night, or any travel expenses.*

### The Zepler Scholarship 2019

This exclusive scholarship from the Department of Electronics and Computer Science (ECS) at the University of Southampton provides £1000 for all students in the first year of their degree* who meet all of the following conditions:

- attended our Electronics and Computer Science or Biomedical Electronic Engineering Taster Course in 2018 - all students who attend will automatically be considered
- select an ECS degree at Southampton as their firm acceptance through UCAS, and enrol on this programme in 2019
- meet (or exceed) their offer, and obtain at least A*A at A-Level (to include/exclude any subjects specified in the offer wording)
- are UK/EU students.

*Scholarships are payable at the end of the first term of study in year one. All information correct at the time of going to print (October 2017). Students may only receive one scholarship from the University of Southampton in any one year (however they may hold both a University scholarship and a bursary).*

Find out more:
[www.taster.ecs.soton.ac.uk](http://www.taster.ecs.soton.ac.uk)
ECS has been recognised for work undertaken to address gender equality in science and engineering with an Athena SWAN Bronze Award.