ENJOY A SUMMER OF TECHNOLOGY

SUMMER RESIDENTIAL TASTER COURSES 27 - 31 JULY 2020
- ELECTRONICS AND COMPUTER SCIENCE
- BIOMEDICAL ELECTRONIC ENGINEERING
 ABOUT THE UNIVERSITY OF SOUTHAMPTON

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 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.

 ABOUT OUR SUMMER TASTER COURSES

These one-week residential courses will enable you to experience either Biomedical Electronic Engineering or Electronics and Computer Science. You will 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

£299 for a one-week residential experience.
(reduced rate and full bursaries available)

Exclusive £1000
degree scholarship for course attendees

The Zepler Scholarship 2021

This exclusive scholarship from the School of Electronics and Computer Science (ECS) at the University of Southampton provides £1000 for 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 2020 - 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 2021
→ meet (or exceed) their offer, and obtain at least A*AA at A-Level (to include/exclude any subjects specified in the offer wording).

“I enjoyed doing electronics, which I hadn’t done before”

“Mentors provided first hand experience of the courses and campus.”

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

* 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 (November 2019). 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).
ELECTRONICS AND COMPUTER SCIENCE TASTER COURSE

27 - 31 July 2020, course fee £299 (reduced rate and full bursaries available)

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 on a variety of challenges, including 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.

No. 1
for degree scholarships from the UK Electronics Skills Foundation
Awarded more degree scholarships from the UK Electronics Skills Foundation than any other university.

“The facilities here are outstanding. Our electronics labs are state of the art with all the kit and technical support we could ever need – and more.”

Bradley McLaughlin
MEng Electronic Engineering, Final Year

“Very informative and fun, and helped me figure out what I would like to study at university.”

“The best bit? Experiencing the labs that were challenging, yet fun and interesting.”

Experience lectures from our world-leading academics
Experiment in our state-of-the-art teaching labs
BIOMEDICAL ELECTRONIC ENGINEERING TASTER COURSE

27 - 31 July 2020, course fee £299 (reduced rate and full bursaries available)

The Biomedical Electronic Engineering Taster Course lets you experience the cutting edge intersection 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 develop 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.

"Many of the lecturers at Southampton are researchers at the top of their fields teaching what they love: their lectures can be really passionate as they share their enthusiasm with us."

Michael Thompson
MEng Biomedical Electronic Engineering
Third Year

£8m

laboratory refurb including
Teaching Laboratory
benches, each with mixed
signal oscilloscope, digital
multimeter and arbitrary
waveform generator

“My favourite parts were getting a real feel for what uni is like, making new friends and going to interesting lectures.”
HOW TO APPLY

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
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 pay.

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

Eligibility

Typical requirements for our Summer Taster Courses are:*  
→ attained mostly grades of 7 or above at GCSE  
→ currently in year 12 and age 16+ on 27 July 2020.  
→ 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
*Equivalent qualifications apply if you have studied outside the UK

You are welcome:  
→ No prior experience or knowledge of computer science, electronics or programming is necessary.  
→ There is no obligation to apply to the University of Southampton following the course.  
→ You may just want to explore these subjects further and have no plans to study them at university.  
→ We are committed to providing opportunities for all, regardless of gender. 50 per cent of our initial allocation of places are reserved for students who identify as female.

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

Timing and course fees

The course commences at 11.00am (registration from 10.00am) on Monday 27 July and finishes at 2.00pm on Friday 31 July 2020.

The fee for attending the course is £299, which includes overnight accommodation Monday - Thursday nights, and all food and drink for the week.

If you would prefer to arrive on Sunday 26 July, overnight accommodation and dinner on Sunday night, and breakfast on Monday are available for an additional £59.60. Overnight accommodation is not possible on Friday 31 July but we can provide a list of local hotels on request.

Bursaries and reduced fees

You may be eligible for a full bursary (covering the full course fee), or a reduced fee of £239.

Full bursaries are available to students who meet at least two of the following criteria:
→ you will be the first generation in your family to attend university, excluding brothers and sisters
→ your current home postcode is in an area with low levels of progression to Higher Education*
→ you attend a school/college in the lowest two quintiles for average QCA points per A level student*.  
→ you are in receipt of a 16-19 Bursary or similar grant OR received Free School Meals at any point during your secondary school education  
→ you are living or grew up in Local Authority care  
→ you are currently a Young Carer or Young Adult Carer  

A reduced course fee of £239 is available to students who match one of the criteria above OR your whose current home postcode is an area with medium levels of progression to Higher Education*

*more information is provided on our website and online application form

Please note bursaries do not cover the cost of additional accommodation and meals on Sunday night, or any travel expenses. Full bursary holders may be able to claim a contribution towards reasonable travel expenses by public transport. Please contact us at ecstaster@soton.ac.uk for more information.
The University of Southampton has been recognised for work undertaken to address gender equality in science and engineering with an Athena SWAN Silver Award.