University of Surrey
Residential Summer Schools 2017
The University of Surrey is offering an exciting and wide-ranging programme of year 12 residential summer schools. Have you ever wondered what it would really be like to study at university? Not sure what course to choose or where it might lead you? Then why not apply to attend one of our residential summer school programmes.

About the Summer Schools
Our Residential Summer School programme offers students the chance to experience studying a subject that they love in a top ten university. Students will learn in an academic environment, working with students from other schools, undergraduate and postgraduate students, and academic staff. The programmes will include lectures, seminars, practical activities, and a variety of fun social events each evening.

A list of summer school subjects available in 2017 is detailed below.

26 June – 28 June
German
French
Spanish

3 July – 7 July
Biomedical Science
Nursing
Paramedic Practice
Veterinary Science
Operating Department Practice
Sports & Exercise Sciences
Psychology
Midwifery

10 July – 14 July
Engineering & Physical Sciences
Physics
Maths
Chemistry
Chemical Engineering
Civil Engineering
Mechanical Engineering
Electronic Engineering
Computer Science

17 July – 21 July
Business
Law
Media & Production Skills
English & Creative Writing

The Summer Schools are free to eligible year 12 students from state schools and colleges. The University of Surrey will also pay for travel to and from the summer school, accommodation on the university campus, and meals and refreshments during the week.

Who is Eligible?
Places will be allocated to students from currently underrepresented groups in Higher Education who meet one or more of the below criteria:

- From families where there is no parental experience of Higher Education in the UK
- Currently receive a 16-19 bursary or its equivalent
Still unsure whether this might be for you?
Here are some comments from students who attended one of last year’s programmes:

‘It has been a great week thank you so much for everything I will definitely be applying to this university’ (Nursing)

‘Enjoyed ODP and believe that this is a career I would like to pursue in the future’ (Operating Department Practice)

‘It was the most useful experience I have ever had and the amount of knowledge I received from passionate students and professionals shows the outstanding level of the University of Surrey’ (Law)

‘This week really helped me boost my confidence’ (Engineering)

‘I found the week interesting and informative, which allowed me to make a more informed decision about the opportunities at university’ (Business)

‘Doing the course helped me decide on my choice of which engineering course I want to pick’ (Engineering)

‘I really enjoyed the week and learnt a lot about the course and University life’ (Biomedicine)

‘I enjoyed everything and it helped me understand what university life is like, as I was unsure before’ (Languages)
Languages
Language Options: French, German or Spanish

If you’re interested in languages and passionate about improving your abilities in your chosen language then our mini summer school is perfect for you. Students will have the opportunity to attend a variety of academic sessions, covering topics such as grammar structure and translation.

Students will also be given the opportunity to try their hand at alternative languages with a taster in Greek and Chinese. In addition to this, students will also be introduced to the professional field of interpreting and explore careers involving languages. Applicants should be aware that this is an intense programme designed to give a comprehensive taste of university life.

Biomedical Science
If you’re fascinated by the science that underpins and advances clinical practice and the treatment of disease, our innovative Biomedical Science subject strand will prepare you for a degree in this exciting field. Over an intensive 5 day programme students will have the opportunity to engage practically and theoretically with a variety of Biomedical Science topics available to study at university, allowing them to broaden their understanding of this field of Science. Students will work closely with our academics in our laboratories and have the opportunity to experience university style lectures and seminars.

Sports and Exercise Sciences
Are you passionate about health and fitness and eager to explore how diet and exercise can benefit individuals and the nation? Our Sports and Exercise Sciences subject strand considers the theoretical knowledge and practical application of scientific principles relating to physiology, biochemistry and nutrition, using these to build a comprehensive picture of this subject area. Students will have the opportunity to use facilities at our state-of-the-art Surrey Sports park and explore taking part in laboratory sessions to explore how the body responds and adapts to exercise on all levels. This programme will include practical activities, alongside lectures, seminars and tutorials to give a snap shot into academic life at university.

26 JUNE – 28 JUNE
3 JULY – 7 JULY
Veterinary Science
Our forward thinking Veterinary Sciences subject strand is designed to equip students to excel in the dynamic field of Veterinary Sciences. This intensive week will provide students with practical clinical veterinary skills, the theoretical knowledge to underpin these skills and an insight into the professional field of veterinary medicine. Students will develop a wider understanding of the variety and depth of Veterinary Science and have the opportunity to learn in our brand new, and cutting edge facilities, including laboratories and our clinical skills suite. But watch out – things could get messy! Students will also gain transferable skills in communication and research, allowing you to feel confident in all educational elements of completing this challenging degree.

Psychology
Interested in human behaviour and the science that underpins it? Looking to study a course that seeks to understand what makes us who we are and apply this to real life problems? Throughout this intensive week you will have the opportunity to experience a range of areas that make up this fascinating field. Students will take part in taster lectures, seminars and have the opportunity to undertake their own research project, developing skills in research and methodology. Working with academic staff who are experts in their particular field of psychology, you will be supported to gain a snapshot of university, both socially and academically.

Nursing
Interested in the opportunity to learn from one of the UK’s top universities for Nursing? During this intensive programme you will develop an understanding and appreciation of the different roles and contributions that the nursing disciplines bring to patient care. With a focus on Adult, Child and Mental health nursing you will take part in practical sessions in our simulation suite as well as gaining a theoretical grounding in the skills and knowledge required to excel in this field. Students will also have the opportunity to complete a research project in a discipline of your choice, giving you the chance to develop transferable skills in independent learning and research. Throughout the week you will also learn alongside students from other healthcare programmes, enabling you to develop an understanding of the importance of inter-professional teamwork in contemporary healthcare.
Midwifery
Interested in working with people and developing skills in communication, compassion and using your initiative? The midwifery subject strand will give students the opportunity to work with experienced and passionate midwives as you develop the skills necessary to excel in this field. There are few professions as rewarding as being a midwife, and this programme will enable students to experience this first hand. Learn through practical and theoretical methods, including sessions in our simulation suite. Students will also complete a research project, focusing on the transferable skills integral to university. Throughout the week you will also learn alongside students from other healthcare programmes, enabling you to develop an understanding of the importance of inter-professional teamwork in contemporary healthcare.

Operating Department Practice
Operating Department Practitioners provide dedicated support to patients when they’re at their most vulnerable: before, during and after an operation. During this week you will learn about the skills needed to study towards such an important medical role. In addition to core clinical skills and an introduction to the equipment used, this week will help you develop the ability to reassure and support patients emotionally through the stressful experience of surgery. Using a combination of practical and theoretical experiences students will gain a comprehensive view of life as a university student. Throughout the week you will also learn alongside students from other healthcare programmes, enabling you to develop an understanding of the importance of inter-professional teamwork in contemporary healthcare.

Paramedic Practice
Working as a paramedic, no two days are the same. This intensive programme will give you the opportunity to learn the rapid decision-making skills required to be a paramedic and the types of situations that paramedics tackle in their day to day career. Students will learn by academic study and practical experience, having the opportunity to focus on clinical skills alongside developing an understanding of the wider healthcare issues required to succeed in this challenging field. Students will also complete a research project, developing key transferable skills for university. Throughout the week you will also learn alongside students from other healthcare programmes, enabling you to develop an understanding of the importance of inter-professional teamwork in contemporary healthcare.
Engineering & Physical Sciences
If you have an interest and passion for engineering, maths, physics, chemistry and/or computer science, the Faculty of Engineering & Physical Sciences Summer School 2017 offers a fantastic opportunity to learn more about these subjects at degree level by inviting you to enrol onto a 5 day residential that offers a true insight into university life.

Timetable
Students will be able to devise their own academic timetable, opting to attend the lectures that best meet their learning interests. All lectures will be followed by a related workshop or seminar to explore further the practical and theoretical concepts behind the subject area.

Students will have the option to attend lectures including Maths, Mechanical Engineering, Chemistry, Electronic Engineering, Computer Science, Chemical Engineering and Physics. Whilst not all options will be available on every day of the week, the structure will allow for students to select up to three subjects that complement each other and, in turn, may reflect university choices as potentially listed on a UCAS application within a joint honours or major/minor combination.

All lectures, workshops and seminars will be delivered by a University of Surrey academic who will present on a subject related their own research and expertise.

Research
Students enrolled onto the Summer School will select a research strand which will provide a continuous area of study throughout the week. The research topic will be presented by a University of Surrey academic who will lead the opening session before students work in groups to explore theory and/or practical concepts further in relation to the research area. Groups will then present their research to their lead academic at the end of the week.

Research subjects available during the week include Electronic Engineering, Civil Engineering, Computer Science, Maths, Chemical Engineering and Physics.

The research aspect of the week encourages both group and independent learning whilst extending knowledge towards a current area of research that can inspire both current and future study opportunities and potential careers.
Residential Summer School

Business
Are you interested in the world of business and wanting to discover more about studying Business and Management at University? If you answered yes, then our intensive 5 day Business Summer School is for you! Students will learn through traditional, experiential and digital teaching, with an emphasis on students as active learners. The week is built around a project that students will complete and requires participants to work effectively in a team, take responsibility for their own study and communicate appropriately. The programme will involve a variety of team building activities, speakers and study skills sessions alongside academic sessions. Students will be supported to develop a range of academic skills, which you will be able to build upon as you prepare for higher education.

Media and Production Skills
Can you see yourself working behind the scenes on films and television programmes? Are you interested in the theories behind media? Do you watch films and wonder why they have chosen the techniques they have? Our intensive 5 day Media and Production Skills programme is for you! Students will be exposed to a variety of theoretical and practical sessions designed to give students an insight into studying Media at university and the different pathways available.

Students will explore areas of media such as social media, television, film and the sociology of media. They will develop their communication and interpersonal skills by working on a group project, ending with a group screening of their finished pieces. Applicants do not have to currently be studying Media, but should demonstrate an interest in film, television, culture and/or visual communication and a desire to develop this interest academically.

English and Creative Writing
Are you passionate about English, love reading new texts and considering what they mean? Do you want to try something new, explore Creative Writing techniques and create your own work? This programme will allow you to experience studying English at university level. The week will include a variety of lectures, workshops and seminars, looking at texts, poetry and critical reading. As well as studying English, students will have the opportunity to explore Creative Writing as an academic discipline with the opportunity to take part in workshops around writing in different styles, which will culminate in students producing their own piece of writing by the end of the week.

17 JULY – 21 JULY
Law
Do you enjoy debating topics and thinking about issues from a variety of viewpoints? Are you passionate about the law and interested in the possible career pathways? If yes, then our Law Summer School is a great opportunity for you. Throughout the week you will be introduced to a variety of different laws and given the chance to research around some key modern day issues. You will develop team work and presentation skills through your research project and academic sessions. Alongside the academic sessions, you will have the opportunity to look at criminal law through a day trip to visit the Royal Court of Justice, Inns of Court and the Old Bailey. You will also be able to observe one of the trials at the Old Bailey court as well as learn about the history and some key cases in the legal system.
Student Life
The Summer Schools are also designed to highlight the wider benefits of applying to university, offering an insight into the life of a student.

During the Summer Schools, students will be staying in university accommodation. This is a fantastic opportunity to sample the independence of living on campus which is a major pull of the wider university experience.

As part of a campus tour, students will be made aware of the wider facilities available on a university campus, including the library, sports, food halls and bank branch.

Participating students will receive a workshop regarding Student Finance whilst becoming informed with regards to support services available within a Higher Education institution.

Scheduled within the timetable will be the opportunity to discover more about university life during Student Ambassador Question Time. Our team of current Student Ambassadors will take the time to answer your questions regarding study options, living arrangements, student finance, clubs and societies whilst also sharing their own experiences with regards to the application process and life on campus.

Life after University
University graduates seek to reap the rewards from their programme of study by moving into industry and employment following the completion of their degree.

By applying onto a university degree programme, you are investing in your future with a view to succeeding in your chosen profession.

Therefore, to offer a greater insight and to help inform university options, professionals from varying industries will be presenting about their career paths and highlighting the opportunities available following the completion of a related university degree.

Social
The Summer Schools are an opportunity to make new friends and to meet fellow students with similar interests, creating the same friendly atmosphere and environment as enjoyed by university students.

During the evenings, students will enjoy a range of social activities across Guildford whilst exploring the wider area surrounding the university campus.