LONDON’S GLOBAL UNIVERSITY

2017
Year 12
Summer Schools
Arts, Humanities and Social Sciences

Archaeology

You’re Fired: Experimental Archaeology
21–25 August

Join staff and students of the UCL Institute of Archaeology (IoA) for a week of experimental archaeology in the heart of London. You’ll learn about our ancestors and the development of pottery/tools/technology through researchers in the IoA and local museums, before going on to create your own. We will visit museums including The British Museum, The Wellcome Collection, The Tate, and the UK’s longest archaeology site, the River Thames. You’ll also have access to the IoA’s labs and workshops to undertake experimental archaeology, trying to answer the ‘how did our ancestors’ question along the way.

Archaeology, Classics, Classical Civilisations, History, Anthropology, Geography, Physical Sciences

Arts and Sciences

Introducing Arts and Sciences
7–11 August

If you are a dynamic thinker who loves a challenge and enjoys a wide range of academic interests, the UCL Arts and Sciences (BASc) degree is for you. This summer school provides an overview of the different pathway routes available on the programme. You will learn about the core courses, and how to build your own interdisciplinary programme, as well as skills and techniques required by employers. We will also explain the modern language element and internship scheme and where these can lead. The week culminates in an ‘Apprentice’-style event where you will play the role of advisory consultant bidding for a job and carrying out a consultancy project.

Arts and Sciences, Liberal Arts, interdisciplinary programmes

English

Narratives Through Time
24–28 July

What is English literature? What makes some texts ‘literature’, and other texts not? How has literature in English developed over time? What do we mean when we talk about ‘narrative’? This course begins with key debates about what literature is, how our definition of literature has changed, and how we define narrative. It then follows the first-year Narrative Texts course, looking at three key ‘canonical’ texts to try and understand the role they played (and play) in the development of narrative in English. You will work alongside UCL students and academics, fully experiencing the life of an English undergraduate.

English, English Literature, Drama, Theatre Studies

Residential and Non-Residential

Both non-residential and residential summer schools are available.

Non-residential – students make their way to and from UCL each day.

Residential – students stay in halls of residence near the UCL campus (marked with a icon).

Eligibility

Entry into our summer schools is subject to students meeting our eligibility criteria. www.ucl.ac.uk/wp/eligibility
European Languages, Culture and Society
Languages and Cultures of Europe
7–11 August

Are you already studying a language – or even two? Do you like exploring literature, film, art, music, food and all sorts of other cultural aspects of different countries? And, are you curious about what studying languages and cultures at university would be like? This summer school draws on as many languages and cultures as we can fit into a week. There will be morning lessons in French and Spanish, as well as some sessions with new and, more obscure languages (e.g. Scandinavian), and afternoon sessions on cultural topics.

Suitable for students interested in:
Modern Languages, Cultural Studies, European Studies

Fine Art
Introduction to Studio Practice
21–25 August

The Slade School of Fine Art's Introduction to Studio Practice is a week-long course in fine art, involving drawing, sculpture, photography, painting and contextual studies. You will gain expert tuition in art and experience working in an art school studio environment. You will also gain an insight into the studio culture and tutorial approaches you might experience at degree level. You will be encouraged to experiment, to extend your drawing and making skills and to engage with peers and mentors about your work. There will be a Portfolio Review and Q and A session and all work will be documented for use in portfolio applications.

Suitable for students interested in:
Fine Art, Art, Art and Design

History
Making History
21–25 August

This summer school draws on the rich historical resources afforded by UCL's central London location. We'll introduce you to some new kinds of historical sources, and new ways of thinking about the work that historians do in reconstructing the past. You'll hear great lectures from experts on a variety of historical topics and work closely with some of our finest historians to put together a group presentation and two short written reports. By participating in this summer school, we anticipate that we will make offers of undergraduate places on the basis of work you conducted over the course of the week.

Suitable for students interested in:
History, Classics, Anthropology, English, Sociology

Greek & Latin
Ancient World Summer School
26–29 June

This four-day summer school is for students interested in exploring the societies of the ancient world, from Babylon to Egypt, and the literatures and cultures of ancient Greece and Rome. There will be lectures and seminars on a variety of exciting topics and hands-on sessions with museum curators in the Petrie Museum, UCL's magnificent Egyptian collection. Lectures will be given by a diverse and interesting group of teachers, and you'll also have an opportunity to have your questions about applying to university answered, as well as meet people who are currently studying the ancient world at UCL.

Suitable for students interested in:
Classics, Ancient World Studies, Archaeology, Hebrew and Jewish Studies, Ancient Languages, English, History
**Laws**

**Exploring Law and Legal London**
**24–28 July**

This summer school introduces you to the study of law at university, through introductory sessions on law and legal studies, as well as sessions on substantive law in areas such as criminal, contract, family and employment law. You will also be able to visit one of the Inns of Court and a law firm, as well as talk to practitioners about their work and career. By the end of the summer school you will have a greater understanding of the legal profession and of the paths to becoming a lawyer. You will also know more about how to write a successful Law application and complete the LNAT test.

**Suitable for students interested in:**

Law, English, Modern Languages, History, Sociology, Psychology, Government and Politics, Geography, Anthropology, Archaeology

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**Medical Anthropology**

**Medicine, Body and Culture: Explorations in Medical Anthropology**
**7–11 August**

Medical anthropology concerns how human societies respond to and shape the experiences of health, illness and recovery, as well as cultural definitions of health, wellbeing and ‘the normal’. This course introduces you to facets of medical anthropology including global health, biomedicine, reproduction, the body, ethics and morality and more. You’ll also get the chance to practice multiple anthropological methods. Overall, together we will think through ways we can improve health in societies around the world, and also study other cultures’ ideas of medicine to explore ways to improve our own biomedical systems.

**Suitable for students interested in:**

Anthropology, Medicine, Human Sciences, Sociology
Chemical Engineering
Exploring Chemical Engineering
21–25 August

Do you like solving problems? Are you creative? Can you think outside the box? Would you like to make a positive change in the world? Are you interested in maths, physics and chemistry – but do not necessarily see yourself as a mathematician or a scientist? If you can answer yes to most of these questions, this summer school is definitely for you. It gives you an understanding of what a career in chemical engineering entails, the skills required, and how typical chemical engineering projects are approached and tackled. You’ll also meet fantastic engineering role models, and engage in hands-on workshops and laboratory sessions.

Suitable for students interested in:
Chemical Engineering, Engineering, Chemistry, Physics

Architecture
Designing Spaces
21–25 August

This Bartlett Summer School is an immersive hands-on architectural camp helping you to discover the world of design and architecture in the 21st century.

London is one of the most relevant cultural and economic capitals of the world. This summer school begins with visits to and study, through sketches, of the quintessential places that make this city so unique and valuable. You will then use your observations at the Bartlett Studios to debate, imagine and design a series of creative urban plans, building models and even performances that describe what the built environment of the future will look like, and be used for.

Suitable for students interested in:
Architecture, Art and Design, Graphic Design, Mathematics, Geography, Design and Technology
Games, Programming and Artificial Intelligence
24–28 July

Last year, Google’s AlphaGo became the first computer to beat the human world champion at Go - a game humans were expected to always outperform computers in. This is just one example of the power of modern computers and our ever-increasing dependence on them, from making money on the stock market to flying planes. During this summer school, you will use Python programming language to build your own robot capable of playing the simpler Connect 4. You will learn about different strategies, and think about how computers can use them and see how computers are taught to do so many things. Finally, you will pitch your program against the other students in a tournament to see who the ultimate tactician is.

Suitable for students interested in:
Mathematics, Further Mathematics, Computer Science, Statistics, Physics

Natural and Physical Sciences

Become a Science Researcher for a Week
4–8 July

Chemists and physicists are often trained differently, however many recent scientific and technological advances straddle the boundaries of these two classical subjects, from those at the quantum scale to those concerning the depths of space! Learn more about the pathway between A-level and cutting edge research and become immersed in the life of a UCL researcher. This summer school ends with a scientific conference in physics and chemistry, which you will prepare for throughout the week, under the guidance of current researchers. The conference will enable you to share your exciting discoveries and expose your findings to scrutiny, challenge, and further advancement.

Suitable for students interested in:
Chemistry, Physics, Natural Sciences, Life Sciences

The Natural Sciences Student Experience
7–11 August

The natural sciences degree at UCL draws together elements from a range of science subjects. Students taking this course combine two areas of specialization chosen from physics/astrophysics, mathematics, chemistry, earth sciences, life sciences, mathematics/statistics and science and technology studies. This summer school offers an opportunity for you to find out more about the UCL natural sciences degree, and to experience classes in chemistry, physics and biosciences. You will be fully immersed into the life of a real undergraduate student, participating in practical laboratory sessions and lectures. There will also be opportunities during the week to gain advice on your university application and the wide range of careers available to students studying this degree subject.

Suitable for students interested in:
Biology, Chemistry, Physics, Geology, Mathematics, Further Mathematics, Pure Mathematics
Understanding Planets Beyond our Solar System 7–11 August

This is your opportunity to contribute to original scientific research before you have even left secondary school. One of the most exciting current research topics is characterisation of exoplanet atmospheres. Or, more simply, understanding the weird and wonderful planets outside our solar system and looking for alien life! Molecular data is crucial to this research, as well as to scientists and engineers in a whole range of diverse range of fields. And yet the key scientific database used by many scientists on diatomic molecules was collated in the 1970s. Science has advanced since then! Help us update this database and be a part of scientific progress this summer at UCL.

Suitable for students interested in:
Physics, Astronomy, Natural Sciences

Security and Crime Science

Why Do People Commit Crimes? 24–28 July

What makes people commit crimes? Do they do it because they are ‘bad’? Or is it more complicated than that? Come to our summer school and find out how our crime scientists tackle crime and uncover criminals by studying the real reasons for criminal behaviour and coming up with clever ways to prevent and detect it. You might be surprised at what actually works in crime prevention (and what doesn’t!) and you might even come away with a new career in mind. During the week, you will experience field trips, interactive sessions and more. Our crime scientists come from all sorts of backgrounds so whether your passion is psychology, geography, biology or mathematics (or something else entirely) you will find that your favourite subject has a role to play in crime science.

Suitable for students interested in:
Security and Crime Science, Criminology, Sociology, Forensics

Space and Climate Physics

Space Science Week at the Mullard Laboratory (also for Year 11 students) 10–14 July

Mullard Laboratory is a world leading space science research organisation involved with the technological development and scientific applications of NASA and ESA space missions. In your week at Mullard you will engage with a number of different aspects of space science study. Design and plan a mission proposed by one of our space science researchers. Learn how to use data from active ESA and NASA spacecraft to study the solar system and beyond. Meet women and men at the forefront of scientific endeavour and learn how they created missions and discovered new phenomena. Space Science week at the Mullard Laboratory is a fantastic way to get involved with cutting edge space research and to discover exactly where a science and maths A-level could take you.

Suitable for students interested in:
Physics, Mathematics, Engineering

Statistical Science

Statistics and the World – Can We Predict the Future? 21–25 August

Can you find patterns among chaos? Can you predict the future? A world without statistics is a world that cannot progress – in medicine through to astronomy through to social science. In this summer school, you will learn practical data skills – including using software to do hard calculations, make predictions, and produce interesting graphics. You will work in a small group to analyse a dataset with the aim of predicting future events. It’s even possible that you’ll come across something that the world did not know before! The challenge will be to produce a poster of your findings: can you piece together the evidence from the data to prise out an important message to try and predict the future?

Suitable for students interested in:
Statistics, Mathematics, Business, Economics
Applied Health Research

Reducing Health Inequalities – How Do We Know What Works?
5–9 June

Do you think it’s fair that there is a difference in health care between socio-economic groups? Do you want to help tackle this issue and make a genuine difference to people’s lives? This week long non-residential event introduces you to applied health research, the ethics involved, and how to develop a research question. You will base this question on a health care issue in your local area, and guided by current students and academic staff, develop a research proposal on how to address it to present to the group. Personal statement and admissions guidance is also provided to help with your university application.

Suitable for students interested in:
Population Health, Biology, Psychology and Social Sciences, Sociology

Biochemistry, Biotechnology, Biomedical Sciences, Pharmacology, Neuroscience, Biological Sciences, Microbiology, Genetics, Biology, Chemistry

Medical Sciences

Target Medicine Summer School
3–7 July

The Target Medicine Summer School is a non-residential week long scheme for Year 11 students from London based non-selective state schools. You will work in teams to experience a variety of clinical experiences, such as simulated emergencies and visiting a local hospital, while being mentored by current medical students. You will be given the unique opportunity to make contact with real patients and spend time with the multidisciplinary team in a hospital environment. Sessions during the week cover topics such as communication, clinical reasoning, and problem solving, as well interview skills and the application process for medical school.

Suitable for students interested in:
Medicine

Pharmacy

Insights into the Master of Pharmacy Degree
24–28 July

To be a pharmacist is to be a healthcare professional with not only expert knowledge of medicines, but also a detailed understanding of the scientific basis of therapy. This summer school is designed to inspire your interest in pharmacy, as well as give you a taste of the journey and life of a student at the UCL School of Pharmacy, one of the most highly-rated pharmacy schools in the UK.

You will have the opportunity to take part in university style lectures and taught practical sessions, covering topics such as how to make a drug, and how 3D printing is used in medicinal chemistry. You will also have the opportunity to work alongside current UCL Pharmacy students and academic staff.

Suitable for students interested in:
Pharmacy, Biology, Chemistry, Human Sciences
Population Health

Eager for Equality – What is Population Health and How Do We Measure It?
24–28 July

Did you know that if you travel on the Tube in London from Westminster to Canning Town, life expectancy falls by one year for every stop that you pass? Does this bother you? Find out how to identify these and other inequalities in health at UCL. You will learn about what we mean by population health and work in small groups to use data from London and the rest of the world to show how health varies by place and socioeconomic background. In addition to lectures and seminars, you will have the chance to visit museums including the Wellcome Collection and Grant Museum of Zoology.

Suitable for students interested in:
Geography, Government and Politics, Economics, Biology and Sociology

Psychology and Language Sciences

Exploring Psychology and Language Sciences
24–28 July

This summer school gives you a taste of what it is like to study psychology and language sciences at university through a series of lectures, workshops and small group work. It also gives you a flavour of what life on campus and being a UCL student living away from home is like. Each day has a theme around core areas of psychology and language sciences, including visual perception, social and clinical psychology, individual differences, cognition and language, language development, and speech sciences. On the last day, you’ll take part in a mini-conference presenting your research topic and prizes will be awarded to the best group and runner up.

Suitable for students interested in:
Psychology, Biology, Chemistry, Physics, Mathematics, Linguistics
Museums Summer School Arts & Humanities Strand
30 July–4 August

From learning about ethics of human display in UCL’s Petrie Museum of Egyptian Archaeology to understanding London’s social history at The Museum of London, this strand covers a range of topics that will be of interest to you if you are considering studying the arts, humanities, or social sciences at university. Both strands will enhance your observation and analysis skills through study in museums around London, interactive sessions, and lectures. You will stay at College Hall for five nights, which is in the heart of central London, only a short walk away from the UCL campus.

**Suitable for students interested in:**
Arts & Sciences, History, English, Art History, Ancient History, Philosophy, Archaeology, Anthropology

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Museums Summer School Natural History Strand
30 July–4 August

Using UCL’s Grant Museum of Zoology and related London collections, you will learn about Natural History, through hands-on sessions and lectures facilitated by experts in the field and related disciplines. Both strands will enhance your observation and analysis skills through study in museums around London, interactive sessions, and lectures. You will stay at College Hall for five nights, which is in the heart of central London, only a short walk away from the UCL campus.

**Suitable for students interested in:**
Arts & Sciences, Natural Sciences, Biological Sciences, Human Sciences
Contact

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