

Imperial College
London

GLOBAL SUMMER SCHOOL

STUDY. MEET. SOLVE.



JULY & AUGUST 2023

WE'RE ON THE LOOKOUT FOR
**THE HIGHEST ACHIEVING
STUDENTS FROM ACROSS
THE GLOBE.**

ARE YOU READY TO JOIN US?

WELCOME

Located in the heart of London, Global Summer School is a pre-university programme for 16- and 17- year old students.

It is a great way to develop your subject knowledge and gain practical skills alongside likeminded students, while adding weight to your future university application. You will:

- › learn at a world top 10 university – the only one in the UK focussing exclusively on science, engineering, medicine and business;
- › take your subject knowledge to the next level through a challenging academic programme that includes classroom-based lectures, laboratory sessions and practical workshops;
- › solve a real-world challenge by sharing expertise with students from other academic subjects to design and build a practical solution;
- › access professional advice and guidance on applying to study at a university in the UK, especially to Imperial College London;
- › stay in Imperial's student accommodation on our South Kensington Campus;
- › enjoy evenings and a weekend full of social activities to help you make the most of your time in London.

2023 PROGRAMME DATES

3 - 15 JULY OR
7 - 19 AUGUST

ALL-INCLUSIVE FEE

£5,825



**UNIVERSITY
OF THE YEAR**
THE GUARDIAN UNIVERSITY
GUIDE 2023

**6TH BEST
UNIVERSITY
IN THE WORLD**
QS WORLD UNIVERSITY
RANKINGS 2023

**10TH BEST
UNIVERSITY
IN THE WORLD**
TIMES HIGHER EDUCATION
WORLD UNIVERSITY
RANKINGS 2023

ACADEMIC PROGRAMME

With the choice of three academic subjects — Engineering, Medicine and Life Sciences, or Physics – you will increase your specialist subject knowledge, gain valuable skills and work with other outstanding students from around the world.

Taught by Imperial academics, there will be more than 50 hours of class time across the two-week programme. Lessons are delivered in a variety of formats including lectures, seminars and practical sessions, enabling you to gain valuable insight into what it might be like to study your subject at degree level.

YOU CAN CHOOSE BETWEEN THREE ACADEMIC SUBJECTS:

- ENGINEERING
- MEDICINE AND LIFE SCIENCES
- PHYSICS

MASTERCLASSES

Masterclasses run throughout the programme and are designed to prepare you for the university application process in the UK. Topics have previously included:

- › Applying to UK universities
- › How to write a personal statement
- › Interview skills
- › Careers in STEM

ENGINEERING

Combining elements of engineering and design, this highly interactive subject will expose you to a variety of engineering disciplines.

Through specialist workshops, lectures and seminars, you will develop key skills and work in groups to find solutions to current engineering challenges.



“We get to see a vast variety of the different types of Engineering. All the classes are very interactive, always hands on and always building something.”

Sarin, Engineering, Thailand



TYPICAL PROGRAMME CONTENT

Topics in previous years have included:

- › **Chemical Engineering** – Production of COVID-19 vaccines whilst helping to manage the world’s resources and protecting the environment
- › **Civil Engineering** – Railway bridge design
- › **Design Engineering** – Finding solutions to global problems
- › **Earth Science Engineering** – Planning a space mission
- › **Mechanical Engineering** – Design, make and test challenges

MEDICINE AND LIFE SCIENCES

Led by staff from Imperial's Departments of Medicine and Life Sciences, the subject will introduce you to new research techniques and subject content.

You will collect and analyse data, conduct practical experiments, learn real clinical skills at one of Imperial's affiliated teaching hospitals, and develop your understanding of molecular biology.



"I wanted to get the taste of uni life and what medicine is actually about and get a taste of how it's going to feel to be a medical student."

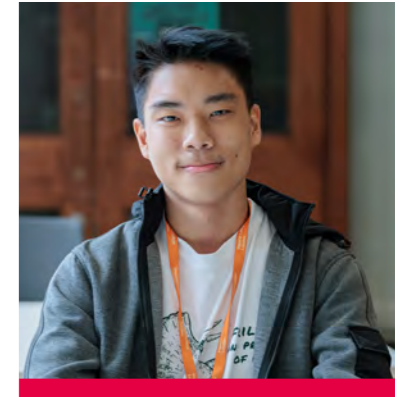
Haya, Medicine and Life Sciences, United Arab Emirates

PHYSICS

This subject focuses on the physics and mathematics of a central concept in the physical sciences.

You will learn to look at a problem or physical situation using three different tools: the mathematics of calculus; performing experiments; and simulating the situation using a computer.

You will then combine your newly honed programming skills with theoretical knowledge to complete a team-based project.



"I managed to get a spot in Physics... I did learn a lot of calculus and Python programming. You meet a lot of people here who share the same mindset as you."

Owen, Physics, Indonesia



TYPICAL PROGRAMME CONTENT

Topics in previous years have included:

- › Cancer and immunotherapy
- › Understanding endocrinology and diabetes
- › The urinary system
- › Clinical skills including heart scans, measuring blood glucose levels and NEWS scoring
- › Analysing genetically modified strains to identify and isolate cloned genes



TYPICAL PROGRAMME CONTENT

Topics in previous years have included:

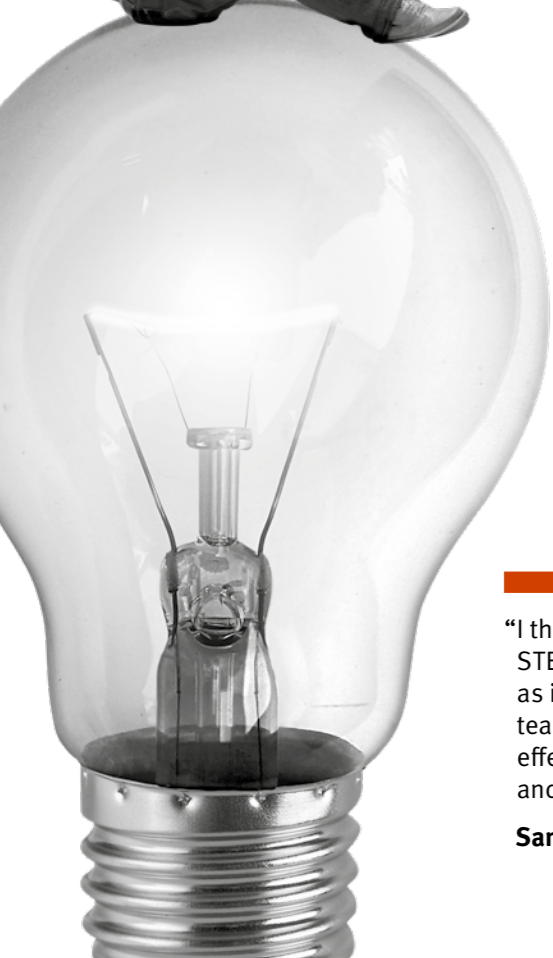
- › Python programming language
- › Computer programming
- › Damping and coupling between oscillators
- › Data analysis
- › Physics-based computer simulations
- › Simulating a driven oscillator and a resonance curve

STEM CHALLENGE

In the second part of the programme, you will come together with students from other academic subjects to share expertise and to help solve a real-world challenge facing our society, with a focus on entrepreneurship.

The STEM challenge is led by the Imperial Enterprise Lab, a group of industry experts, and is a chance for you to develop vital skills you will need at university such as presentation, communication and group work.

You will work with project leaders to evolve an idea to answer the challenge question, considering how it can be developed as a business, product, initiative, or concept. You will then be introduced to pitching before working in teams to develop a pitch for the final showcase event.



“I thoroughly enjoyed the STEM challenge the most as it involved practicing teamwork, collaboration, effective communication and presenting skills.”

Sanika, Engineering, France



ON CAMPUS

ACCOMMODATION

During the programme you will stay in our Prince's Gardens hall of residence in South Kensington.

This will allow you to experience what it is like to live away from home during your first year at university and means that you are only a short walk from classes and a range of other campus facilities.

Accommodation will be offered in mixed-sex clusters, with single sex clusters available if required. Students will stay in a twin room with one other Global Summer School student of the same gender and are only permitted to access the accommodation cluster they have been allocated.

All rooms include:

- › En-suite shower and toilet facilities with toiletries
- › Free Wi-Fi
- › Linen (sheets, pillow and blanket) and towels
- › Kettle with tea and coffee

MEALS

The programme fee includes three freshly prepared meals per day.

Some meals will be provided off-campus during the inclusive social programme or academic field trips. We can cater for a range of dietary requirements with advance notice.



STUDENT SAFETY AND SUPPORT

Your safety is of great importance to us, and we are here to provide support throughout your experience.

- › All halls of residence have swipe card entry, CCTV and 24-hour manned security offices across campus.
- › A residential team of pastoral mentors provide round-the-clock support and supervision in each hall of residence.
- › Students will be allocated an academic and pastoral mentor, who are current Imperial undergraduate students, for the duration of the programme. Mentors supervise students at all times, other than when they are in their rooms.
- › All pastoral staff and student mentors have a valid, enhanced DBS check and have been vetted to ensure they are suitable to work with young people.
- › Key members of Global Summer School staff have completed relevant safeguarding training.
- › Prayer facilities are available on campus.
- › All our activities are risk assessed and a full health and safety briefing will be carried out at the start of the programme.

“I really liked the diversity of the program to include all kinds of sessions, sports, trips and activities. As well, the accommodations were great and especially the mentors were amazing!”

Susan, Medicine and Life Sciences, Canada



OUR LOCATION

HYDE PARK

HOME TO THE SERPENTINE LAKE AND 350 ACRES OF PARKLAND

ROYAL ALBERT HALL

WORLD-FAMOUS CONCERT HALL
WHERE IMPERIAL STUDENTS GRADUATE

ETHOS SPORTS CENTRE

WHERE YOU'LL PARTICIPATE IN SPORTS
ACTIVITIES

PRINCE'S GARDENS

WHERE YOU'LL STAY WHILE
YOU'RE HERE

SCIENCE MUSEUM

COVERING ALL AREAS OF SCIENCE
AND TECHNOLOGY

QUEEN'S TOWER

THE HEART OF OUR SOUTH KENSINGTON
CAMPUS

NATURAL HISTORY MUSEUM

HOME TO MORE THAN 80 MILLION
SPECIMENS

VICTORIA & ALBERT MUSEUM

THE WORLD'S LARGEST MUSEUM
OF DECORATIVE ARTS AND DESIGN

SOCIAL ACTIVITIES

Alongside the academic programme, there is a schedule full of social activities and events which will show you why London deserves its title as the world's best student city.*

Included in the cost of the Global Summer School, weekend and evening activities are conducted under the supervision of our pastoral mentors.

Activities have previously included:

- › A day trip to Brighton, a popular UK seaside resort
- › Visits to nearby museums and galleries
- › Sightseeing tours of London
- › Trip to a West End musical
- › On-campus activities, including sports



"We went to Hyde Park to play some football which was really good. It was the entire class playing football. I had a really good time. We went to the theatre which was really amazing – I think that was my favourite part out of all the social activities."

Bruno, Engineering, Spain

HOW TO APPLY

PROGRAMME DATES: 3–15 JULY OR 7–19 AUGUST 2023

ENTRY REQUIREMENTS

We're looking for applicants who have:

- › an enthusiasm for science, technology, engineering and mathematics;
- › excellent academic ability, demonstrated by a majority of predicted or received 9-7 grades (A*–A) at GCSE level or equivalent, with a minimum of a grade 7 (A) in maths and science;
- › strong English language skills;
- › a clear motivation for attending the Global Summer School.

AGE REQUIREMENTS

To enrol on the Global Summer School you:

- › must be 16 or 17 years old at the start of the programme;
- › should not reach 18 years old before or during the programme.

HOW DO I APPLY?

All applications must be made online via the Global Summer School website. You will need to supply:

- › Details about your academic grades and English language ability
- › A short personal statement
- › Parent and teacher reference details

Please note:

- › Places are limited and will fill on a first-come, first-served basis
- › Entry criteria does apply
- › Your place will not be confirmed until full payment is received within 14 days of an unconditional offer being made

PROGRAMME FEE

The cost of one residential place on the 2023 Global Summer School is £5,825. This all-inclusive fee covers:

- › tuition, course materials, masterclasses and a certificate of participation awarded by Imperial;
- › Imperial hoodie;
- › full board, on-site accommodation, including three meals per day;
- › use of selected campus facilities;
- › evening and weekend social activities;
- › airport transfers for Heathrow on the first and last days of the programme.

For further application guidance and to apply online visit imperial.ac.uk/global-summer-school

APPLICATION PROCESS

STEP ONE

Complete an online application form and submit information including academic grades and English language ability. We will contact your parent/guardian and teacher to ask them for references.

STEP TWO

Your application will be reviewed and, if you are successful, you will receive a conditional offer.

STEP THREE

You will upload your supporting documents within seven days.

STEP FOUR

Global Summer School team will check your documents within three working days.

STEP FIVE

If you meet all necessary criteria, you will be awarded an unconditional offer. To confirm your place, you will need to make full payment of £5,825 within 14 days.



*Ranked 1st in the world in the QS Best Student Cities 2023.

FOR FULL DETAILS OF THE APPLICATION PROCESS, PLEASE VISIT OUR WEBSITE

CONTACT US

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E: GLOBALSUMMERSCHOOL@IMPERIAL.AC.UK

W: [IMPERIAL.AC.UK/GLOBAL-SUMMER-SCHOOL](https://www.imperial.ac.uk/global-summer-school)

The information in this brochure is current at the time of production, December 2022, and is subject to change. All images were taken during the 2022 programme.

This brochure presents information about the 2023 Global Summer School programme, as it would operate under normal circumstances. We may have to make changes should restrictions be in place as a result of COVID-19. Please keep an eye on our website for information about potential changes to our courses and teaching delivery.

