

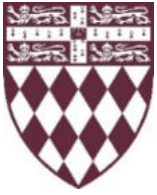


FITZWILLIAM COLLEGE  
UNIVERSITY OF CAMBRIDGE

# Fitzwilliam College Summer School Programme 2024

28<sup>th</sup> July - 10<sup>th</sup> Aug  
Cambridge, UK





# Summer School Programme 2024

Fitzwilliam College, a constituent college of the University of Cambridge, is delighted to offer its international Summer School Programme for 2024. Participants will experience the world-leading teaching offered at our institution, by the same academics responsible for our own undergraduate students. Reflecting the traditional Cambridge supervisions at the core of our undergraduate courses, our programme will help you develop your academic skills through challenging small-group problem-solving and discussion sessions. The programme is designed to provide you with a flavour of undergraduate study at Cambridge, and an opportunity to explore your chosen topics beyond that covered in school curricula.

**Format:** In-person at Fitzwilliam College, Cambridge, UK

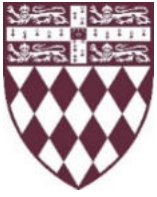
**Date:** 28<sup>th</sup> July - 10<sup>th</sup> August, 2024 (40 h contact time and 2 office hours)

**Grade and Age:** 10 - 12, must be at least 16 years old by 28<sup>th</sup> July, 2024

**Admission quota:** maximum of 15 students per course

**Subjects covered:** Mathematics, Physics, Chemistry, Materials Science, Engineering, Biology, Medicine, Computer Science, Economics, Philosophy



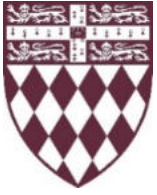


---

# Academic Courses on Offer

You can choose to take one of the following courses as part of our Summer School Programme. For a detailed description of the academic content of the courses, and biographies of our academics, please see the Course Brochure.

- **Computer Science**  
by [Dr John Fawcett](#) at Churchill College
- **Physical Chemistry (Chemistry)**  
by [Dr Andrea Chlebikova](#) at Newnham College
- **Special Relativity and Quantum Mechanics (Physics)**  
by [Dr Joao Rodriguez](#) at Wolfson College
- **Nuclear Science and Technology (Physics, Engineering, Materials)**  
by [Dr Miles Stopher](#) at Fitzwilliam College
- **Medicine (Biology)**  
by [Professor Matthew Mason](#) at St Catharine's College,  
and [Dr Aaron D'sa](#) at Fitzwilliam College  
and [Dr Saeed Kayhanian](#) at Fitzwilliam College
- **Paleobiology: Evolution and Behaviour (Biology)**  
by [Dr Ashleigh Wiseman](#) at Fitzwilliam College  
and [Dr Laura van Holstein](#) at Clare College  
and [Dr Oliver E Demuth](#) at the Department of Earth Sciences
- **Sustainable Vehicles (Engineering)**  
by [Dr Andrea Giusti](#) at Fitzwilliam College
- **Microbiology & Microbial Genetics (Biology)**  
by [Dr Ashraf Zarkan](#) at Fitzwilliam College
- **Mathematics for the Natural Sciences (Mathematics)**  
by [Ms Serena Povia](#) at St John's College
- **Elements of Mathematical Economics (Mathematics and Economics)**  
by [Dr Vasileios Kotsidis](#) at St John's College
- **Philosophy in Cambridge: Past and Present (Philosophy)**  
by [Dr Alex Carter](#) at Fitzwilliam College



## Academic Enrichment Activities

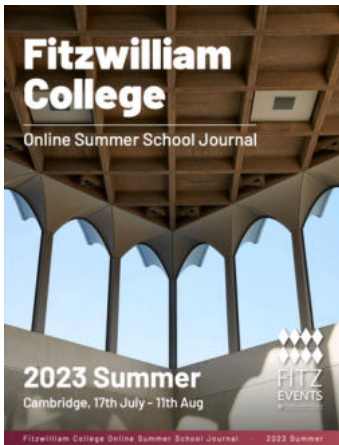
After-class academic enrichment activities include seminars and workshops focused on developing the soft skills essential for your academic progression. Guided by experts, you will cultivate your writing, presentation and communication skills, with a debate session to help you practice your newly learnt skills. Academics will share their top tips with you to help thrive at University.

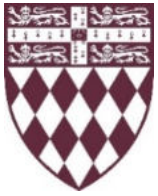
## Aims, Objectives and Awards

The Summer School Programme is about developing your academic skills and experiencing the kind of cutting-edge teaching offered at Cambridge. For the duration of the programme, you will fully immerse yourself in the academic life of Cambridge and experience what it's like to be an undergraduate student at our institution. Participation and excellence in our programme demonstrates your genuine interest and passion for your chosen subject. These are qualities that all the top universities in the world look for in prospective undergraduates.

Each course will require an individual academic essay, combining your knowledge from lectures and private study into an independent piece of research. You will present your research to your fellow classmates and course instructor, and receive constructive, valuable feedback to help further your academic excellence.

Your academic course instructor will provide detailed, written feedback on all aspects of your performance in the course. Provided you attend at least 90% of the classes, write your essay and present your work, you will receive a certificate of completion. The two highest-performing students from each course will receive a certificate of excellence. The authors of the two top essays from each course will receive a top essay certificate and have their work bound in the Fitzwilliam College Summer School Journal, published on Fitzwilliam College's website.





## Cultural Activities

In addition to the courses and academic enrichment activities, you will have the opportunity to explore Cambridge, visit famous landmarks in the city and go punting on the River Cam. Over the weekend you will be taken on excursions to explore Oxford and London. As the Summer School is open for students from all around the world, you will meet like-minded people from other countries and other cultural backgrounds, improving your ability to study and live in a multicultural environment such as Cambridge.

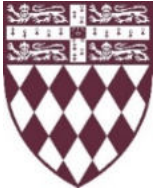


## Programme Schedule

Please note that the Programme schedule may change at the discretion of the Academic Course Instructors and Fitzwilliam College, Cambridge.

	9:00-10:00	10:00-12:00	13:30-15:30	16:00-17:30	After 19:00
28 <sup>th</sup> Jul	Arrival				
29 <sup>th</sup> Jul	Individual study and assignment	Courses by Cambridge academics		Academic enrichment activities and cultural activities	Free time
30 <sup>th</sup> Jul					
31 <sup>st</sup> Jul					
1 <sup>st</sup> Aug					
2 <sup>nd</sup> Aug	Excursions to London and Oxford				
3 <sup>rd</sup> Aug	Excursions to London and Oxford				
4 <sup>th</sup> Aug	Excursions to London and Oxford				
5 <sup>th</sup> Aug	Individual study and assignment	Courses by Cambridge academics		Academic enrichment activities and cultural activities	Free time
6 <sup>th</sup> Aug					
7 <sup>th</sup> Aug					
8 <sup>th</sup> Aug					
9 <sup>th</sup> Aug		Final Presentations		Closing Ceremony	
10 <sup>th</sup> Aug	Departure				



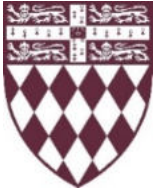


## Accommodation and Catering

You will be accommodated in single en-suite rooms in Fitzwilliam College, Cambridge. Daily full board catering will be provided (breakfast, lunch and dinner included). After both the opening and closing ceremonies you will be invited to attend an authentic Cambridge formal hall, a dining experience that is at the heart of social life at Cambridge!

Please let us know if you have any special requests at [summer@fitz.cam.ac.uk](mailto:summer@fitz.cam.ac.uk) and we will let you know if we are able to accommodate it.





---

## Requirements

You need to satisfy at least one of the following academic requirements and one of the following language requirements to participate in our programme:

### Academic requirements:

- A or above in the subject related to the short course you intend to study, or
- Successful participation in national or international competitions in the relevant subject

### Language requirements:

- IELTS level 6.5, or
- TOEFL 90, or
- A or above in a related English Language subject

If you do not meet the above criteria, you need to contact Fitzwilliam College at [summer@fitz.cam.ac.uk](mailto:summer@fitz.cam.ac.uk) to see if you may still be eligible to participate.

---

## Programme Fee

The fee of the 2-week programme is £6,900, which includes course fees, accommodation, catering and excursions. The fee **does not** include visa costs, flights and transfers between the airport and Fitzwilliam College. We may be able to accommodate any special requests at a surcharge. Please contact Fitzwilliam College at [summer@fitz.cam.ac.uk](mailto:summer@fitz.cam.ac.uk) to see whether we are able to accommodate your request.

---

## Signing Up

You can express your interest to participate in our programme by filling in an application form at <https://forms.office.com/e/7GDKu40wjr>. Please note that applicants from China must sign up through ASDAN China at <https://www.seedasdan.com/en/css/uk-en/>. Once we have reviewed your application a member of our team will get in touch with you to let you know whether your application was successful. You will need to pay the full fee of the programme by BACS one week within your acceptance to the programme.

We are very much looking forward to welcoming you to our Summer School Programme for an unforgettable academic and cultural experience!



**FITZWILLIAM COLLEGE**  
UNIVERSITY OF CAMBRIDGE