



St Catharine's College
Cambridge

***Certificate Programmes
at St Catharine's College, Cambridge
- Intensive Residential Study Abroad Programme for
University Students -***

Academic Programme Outline

Open-enrolment programmes

Course Overview

Summer 2027

1. Introduction

The *Certificate Programme at St Catharine's College, Cambridge* for university students is an academic study abroad programme that offers cutting-edge subjects designed to complement a student's existing studies, providing them with methodologies and case studies that will enrich and enhance the curriculum offered by their home university and inspire new academic interests.

Students participate in academic courses on various subjects and experience teaching in an authentic Cambridge college setting. This will be done according to the Cambridge teaching model: small- and medium-sized interactive classes with individualised feedback and class participation. All instructors that teach the courses will be academics with recent experience of supervising undergraduates or graduates at the University of Cambridge or the University of Oxford.

Participants will live in Cambridge college dormitories and dine in Cambridge dining halls. All teaching will happen in small to medium groups within St Catharine's College or Cambridge university premises. Though this programme will give you the experience of living and studying in a college of the University of Cambridge, attendance on the programme will not directly benefit attendees in any application to the University of Cambridge.

In support of the academic content, the programme offers a wide range of activities. These include visits to the main university sites, cultural events and excursions further afield.

2. St Catharine's College, Cambridge

St Catharine's College is a constituent college of the University of Cambridge. Founded in 1473 as Katharine Hall, it adopted its current name in 1860. The college is nicknamed "Catz". The college is located in the historic city-centre of Cambridge. St Catharine's is notable for its open court (rather than closed quadrangle) that faces towards Trumpington Street.

3. Programme Dates

- **Session I** **18 July – 31 July 2027**
- **Session II** **1 August – 14 August 2027**



4. Overview of all Courses

Session I:

1. Politics and International Relations
2. Robot engineering
3. Business and Management

Session II:

1. Economics
2. Advanced Artificial Intelligence and Machine Learning: Large Language Models and Natural Language Processing
3. Law

5. Academic Course Offerings

Economics

Economics / Game Theory

Instructor: Dr Charles Roddie, Sidney Sussex College, Cambridge

Participants will study the main concepts of game theory and in-depth applications. Simultaneous and dynamic games will be covered, including the theoretical study of Nash equilibria of various forms, and experimental findings. Auctions in theory and practice will demonstrate how economists use game theory to study market pressures and devise optimal strategies. Using these structures, we will analyze the options 'players' consider, and why they have the incentive to choose a particular option, and then we will assess how this methodology played out in real life case studies.

Economics / Financial Economics and Decarbonisation Economics

Instructor: Dr Charles Roddie, Sidney Sussex College, Cambridge

This course will familiarise participants with current trends and look deeper at individual practices, methods and financial instruments within the finance sector, drawing heavily on the new economics of sustainability and decarbonisation. Students will develop an understanding of today's markets and the forces influencing growth and recession. By looking at case studies, students will be able to identify market trends and analyse problems emerging in the economy as a whole. These case studies especially include emissions permits, trading systems, and green investment strategies.

Politics and International Relations



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Politics and International Relations / Western political theory in the face of the future & South East Asia

Instructor: Prof John Dunn, King's College, Cambridge & Prof Tomas Larsson, St John's College

This course will first introduce the structures by which western states and their politics operate by, whilst also interpreting current trends and comparison with other systems, especially in Asia. The course will begin with an overview analysis of the modern Western state and politics within it, and especially how these states are organised. From this foundation, students will comprehend the extent to which western states are accountable to their citizens and each other within supranational structures. The course will then compare this state organisation and context with the varying trends and political systems in Asia, especially Burma/Myanmar and Siam/Thailand in comparative perspective. The former will address important concepts in comparative politics (state capacity, democracy, development, etc), operationalization (measurement of such concepts), and different explanations for variation across the world (theories). For the assessed presentations on the last day, students will be invited to pull together a comparative case study that seeks to account for differences (and similarities) in some important outcome (such as national integration, poverty reduction, regime stability).

Politics and International Relations / Modern British Politics, Institutional Development and Political Economy

Instructor: Prof Jose Tomas Labarca

This course will offer an in depth discussion of the key debates on the politics of the United Kingdom since the Second World War. It will provide an overview of British political-economic history since 1945, including the seeming stability of the post-war 'golden age', the multiple crises of the 1970s, the rise of Thatcherism and then of New Labour, the Conservative-led governments of 2010-2024, changes in electoral behaviour, constitutional issues, and the making of public policy.

After this, the UK will be used as a case study for broader contemporary debates in comparative and international political economies. Key topics will be the politics of central bank independence, the politics of fiscal rules and independent fiscal institutions, as well as the significance and legacies of the Global Financial Crisis, and the growing tensions between populist politics and technocratic economic governance.



6. Academic Workload

Academic workload per week (in total 60 academic hours):

- 16 academic hours: 4 hours of teaching on Monday, Tuesday, Wednesday and Thursday of each week
- 4 academic hours: review, assessment preparation and assessment on Friday of each week
- 14 academic hours: independent study, including assessment preparation
- 6 academic hours: 3 evening seminars and workshops per week
- 20 academic hours: cultural immersion activities
- Total: the workload of each week is equivalent to 3 ECTS credits

7. Extracurricular Activities and Farewell Dinner

Extracurricular activities

The tuition fee for each two-week programme includes the following Cambridge and English cultural activities:

- College Tour with visit to college library and chapel
- Cambridge City walking tour
- Visit to the other colleges of Cambridge University
- Visit to Cambridge Museums (Fitzwilliam, etc)
- Punting on the River Cam
- Cambridge Botanic Garden
- A one day-excursion - e.g. Stratford upon Avon or Oxford City and University
- More activities tbc

Farewell dinner

The tuition fee includes a farewell dinner or lunch.

8. Assessment

As part of each course, an assessment will be offered by the teaching academic.

9. Certification

Certificate of Attendance and Achievement

Students will receive a Certificate of Attendance and Achievement issued by St Catharine's College, Cambridge.

Academic transcript

Students who successfully finish the programme will receive an academic transcript with a summary of the programme content and academic performance issued by St Catharine's College, Cambridge.

10. Participants

St Catharine's College invites undergraduate and postgraduate students interested in the offered courses to apply for participation in the *Certificate Programme at St Catharine's College, Cambridge*.

Target Participants: university students aged 18+
Maximum number of students per course: 30-40

11. Financials

Tuition Fees are calculated per student, per session (each student would be charged for each subscribed course).

Tuition, Room and Breakfast (twin room occupancy) 13 nights	4,330 GBP
Tuition, Room and Breakfast (single room occupancy) 13 nights – Partner University Rate	4,430 GBP

12. How to Apply

To apply, simply follow these steps:

1. Send an email to certificate.programmes@caths.cam.ac.uk and indicate your interest to enrol in the Certificate Programme at St Catharine's College offered for university students in 2027;
2. The Certificate Programmes team of St Catharine's College will respond with any further details we need from you;
3. After your application has been fully added to the system of St Catharine's College, you can arrange payment, and then we will keep you fully updated on everything you need to know with a series of onboarding emails as the programme approaches.