ST. ANDREW'S
COLLEGE
Cambridge

INDUSTRIA ET FELICITAS

Student development programme

150+
hours

1.5 Years, Covering Two Application Cycles

Academic Research Training:
By Cambridge PhD Students

• Research Proposal
• Research Paper
• Academic Skills Workshop

Cambridge Professor Sessions:

• Online Talks
• In-Person Talks
• Lab/College/Department visit

about the programme

The programme was foudned in 2012 by the Maxer Education Institute. It has been organising research training programmes that benefited over 12,800 students across the world.

The program has been set up to provide a set of academic development training for prospective school students who aim to apply to Cambridge, Oxford and other key UK and overseas universities.

The programme has been developed since 2021 into an A-Level Student Development Programme which has successfully supported students to Cambridge, Oxford and other key UK and overseas universities.

A customised programme has been designed based on the A-level Student Development Programme for St Andrew's College's A-Level students enrolled in 2023 and to be enrolled in September 2024. The key components include Academic Research Skills Training and Cambridge Professor Sessions.

With the support of the Cambridge Professors and current Cambridge PhD, our students will be guided to complete a group research proposal and research paper by the end of the programme, which is a key indicator of the student's academic research potential.

The Programme offers students the opportunities, resources and guidance to enhance the ability to showcase their academic potential. It is well-designed to support high-achieving students to reach their goals and prepare for their future academic endeavours in top universities.

Highlights:

- Supervised by Cambridge PhD to complete a group research proposal and a group research paper
- Talks and lab visits led by Cambridge professors

student
testimonial

"

Being able to participate in the programme both in person and online under the guidance and supervision of Prof. Nicola Clayton FRS and her team was a truly dream come true experience. The programme allowed me to have an insight into a psychology lab and offered me the experience of designing a laboratory experience using the software Psychopy, which further developed my technological and methodological skills to stand out from the competition.

I'm so grateful for the experience and would highly recommend it to anyone looking to take their academic skills to the next level. "

★ ★ ★ ★ ★

Taoyu (Antonio)
Programme Alumnus 2021-2023
A-Level student 2022-2023 at a UK sixth-form College

Current 1st year undergraduate Psychological and Behavioural Sciences, Clare College, University of Cambridge

destination of programme alumni

Over the past 2 years, 4 of 18 students who participated in the programmes have received an offer from Cambridge, and 12 out of 18 received an offer from G5 universities. Below are some key destinations of the programme's alumni:

1st Cohort (2021-23)

8 A-Level Students, Key Destinations:

- Cambridge (Psychological and Behavioural Sciences)
- Imperial and UCL (Mathematics)
- Imperial and UCL (Chemistry)
- UCL (Mathematical Computation)
- UCL (Sociology)
- UCL (Civil Engineering)

2nd Cohort (2022-24)

w

- Cambridge (Economics)
- Cambridge (Natural Sciences)
- Cambridge (Mathematics)
- Imperial (Mathematics)
- Imperial (Mathematics with Mathematical Computation)
- UCL (Information Management For Business))

programme
supervisors
(subject to change)

PROF. PIETRO LIO'
Professor of Computer Science and Technology
Fellow of Clare Hall
University of Cambridge

PROF. MATTHEW GRIMES
Professor of Entrepreneurship and Sustainable Futures
Director of the MPhil in Innovation, Strategy and
Organisation Programme
University of Cambridge

DR. MATTHIAS DORRZAPF
Director of Scholarships & International Programmes
Director of Studies in Mathematics
Fellow of St John's College
University of Cambridge

PROF. THOMAS KRIEG
Professor for Experimental Cardiovascular Medicine
Honorary Consultant Physician
University of Cambridge

*All faculty members are acting in their personal capacity

PROF. NICKY CLAYTON FRS

Professor of Comparative Cognition

Fellow of Clare College

University of Cambridge

PROF. ANDY WOODS FRS

Head of The Institute for Energy and Environmental Flows

Fellow of St John's College

University of Cambridge

PROF. JASON ROBINSON

Professor of Materials Physics

Head of Department (Joint) of Materials Science
& Metallurgy

Fellow of St John's College

University of Cambridge

PROF. PATRICK BAERT

Professor of Social Theory

Fellow, Tutor and Director of Studies at Selwyn College

University of Cambridge

DR. CATHERINE MACKENZIE

Director of Studies in Law, Clare Hall

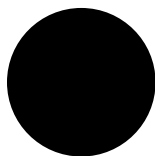Director of Studies in Law and Land Economy, Homerton College
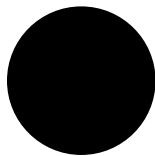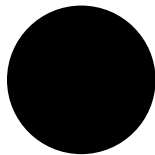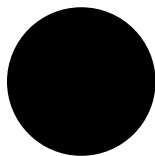
University of Cambridge

UK Commonwealth Scholarship Commissioner
Barrister and Governing Master of the Bench of Inner Temple
(Inn of Court for barristers)

programme
supervisors
(subject to change)

MEDICINE

Awunor Onyeka
PhD student in Pharmacology, **University of Cambridge**
MSc in Pharmacology, **University of Oxford**

Shivani Shukla
MB BChir (Cantab) student, **University of Cambridge**
BA (Hons) in Genetics, **University of Cambridge**
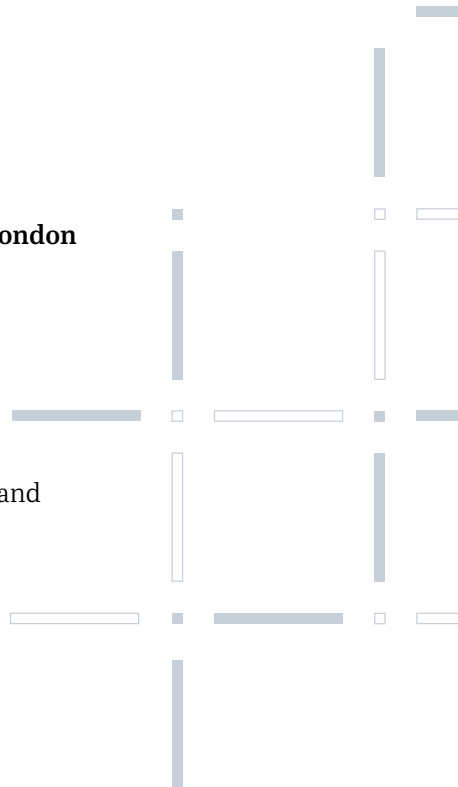
MATHEMATICS

Bernice Yuan
PhD student in Finance, **University of Cambridge**
MSc in Mathematics and Finance, **Imperial College London**

COMPUTER SCIENCE

Jake Stuchbury-wass
MRes and PhD (CDT) student in Sensor Technologies and Applications, **University of Cambridge**

MEng, BA Engineering (Information and computer engineering), **University of Cambridge**

BUSINESS

Tizar Bijaksana
PhD student in Land Economy, **University of Cambridge**

Francisco Wang
PhD student in Marketing, **University of Cambridge**

ENGLISH LITERATURE

Gwenda Koo
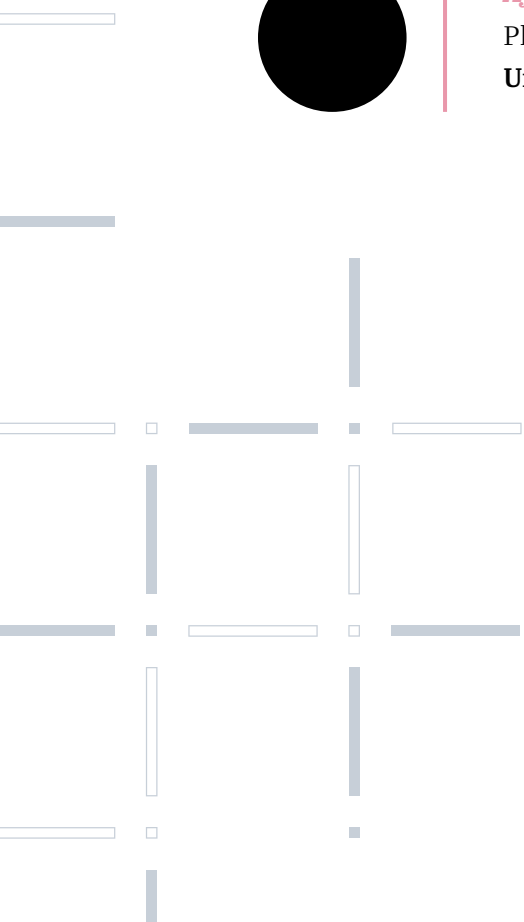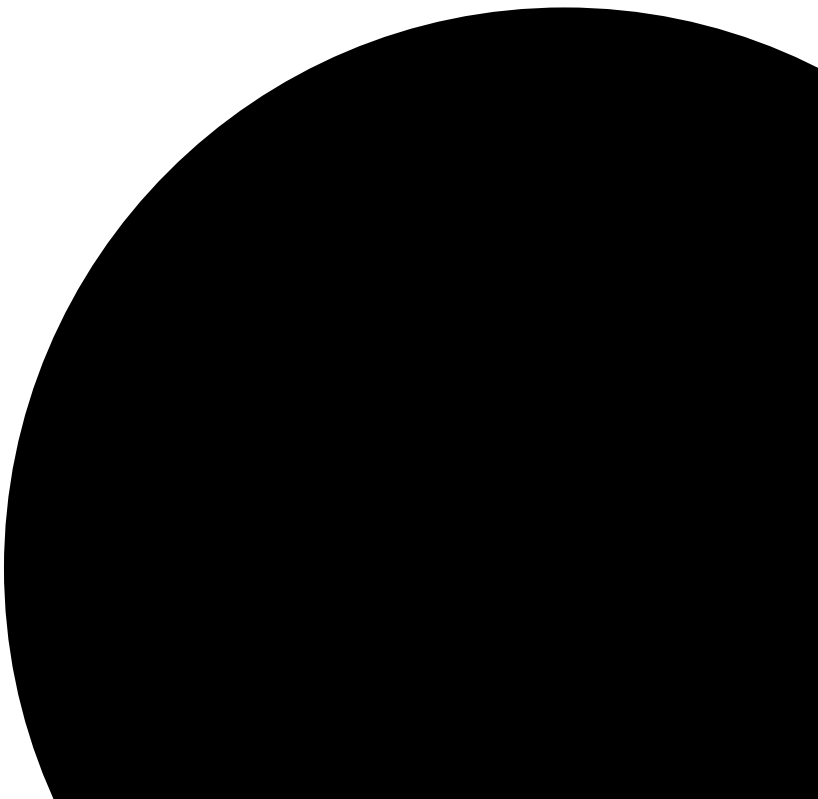PhD student in English, **University of Cambridge**

PSYCHOLOGY

Ming Ye
PhD student in Psychology, **University of Cambridge**

LAW/INTERNATIONAL RELATIONS

Ayantola Alayande
PhD student in Politics and International Studies,
University of Cambridge

subjects offered
& student intake

- Medicine
- Mathematics
- Computer Science
- Social Science (Business/ English Literature/ Psychology/ Law)

(Choose one subject only)

programme
modules

Module 1 - Academic Research Training

- Research Proposal
- Research Paper
- Academic Skills Workshop

Module 3 - Cambridge Professor Sessions

- Online Talks
- In-person Talks
- Lab/College/Department visit

programme elements

Each module includes different elements. Students should attend the sessions that are relevant to them.

- **Programme Orientation:** open to all students
- **Lecture:** open to all students
- **Supervision:** subject-specific - only open to a limited number of students who joined that subject group
- **Academic Skills Workshop:** open to all students
- **Professor In-person Talk:** open to all students
- **Professor Online Talk (during vacation period):** open to all students
- **Professor-led Lab/College/Department visit:** open to all students

time-frame

Students Enrolled In September 2023

MONTH	SCHEDULE Monday-Friday after school time 15:30-16:30 during term time
May 2024 **Module 1** • **Programme Orientation** • **Research Training -** Research Proposal • **Research Training -** Academic Skills Workshop	**Week 1** **16 May:** Programme Orientation Talk **17 May:** Academic Skills Workshop - Teamwork
	Week 2 **20-24 May:** Mon: Subject 1 - Lecture Tue: Subject 2 - Lecture Wed: Subject 3 - Lecture Thu: Subject 4 - Lecture Fri: Academic Skills Workshop - Literature Review
	Week 3 **27-31 May:** Mon: Subject 1 - Group Supervision: Research Topic Guidance Tue: Subject 2 - Group Supervision: Research Topic Guidance Wed: Subject 3 - Group Supervision: Research Topic Guidance Thu: Subject 4 - Group Supervision: Research Topic Guidance Fri: Academic Skills Workshop - Academic Writing
June 2024 **Module 1** • **Research Training -** Research Proposal • **Research Training -** Academic Skills Workshop	**Week 4** **3-7 June:** Mon: Subject 1 - Group Supervision: Literature Review Tue: Subject 2 - Group Supervision: Literature Review Wed: Subject 3 - Group Supervision: Literature Review Thu: Subject 4 - Group Supervision: Literature Review Fri: Academic Skills Workshop - Presentation Skills

MONTH	SCHEDULE Monday-Friday after school time 15:30-16:30 during term time
June 2024 **Module 1** · **Research Training -** Research Proposal · **Research Training -** Academic Skills Workshop	**Week 5** **10-14 June:** Mon: Subject 1 - Group Supervision: Research design, Methodology, Discussion Tue: Subject 2 - Group Supervision: Research design, Methodology, Discussion Wed: Subject 3 - Group Supervision: Research design, Methodology, Discussion Thu: Subject 4 - Group Supervision: Research design, Methodology, Discussion **Week 6** **17-21 June:** Mon: Subject 1 - Group Supervision: Presentation, and Feedback Tue: Subject 2 - Group Supervision: Presentation, and Feedback Wed: Subject 3 - Group Supervision: Presentation, and Feedback Thu: Subject 4 - Group Supervision: Presentation, and Feedback **24 June:** Submit group research proposal for review and correction
July - August 2024 **Module 2** · **Professors Sessions** · **Online talks**	*All students will have access to the online talks offered by Cambridge Professors:* **Computer Science:** 2 talks offered by Prof Pietro Lio' **Business, Finance and Economics:** 2 talks offered by Prof Matthew Grimes / Dr. Matthias Dorrzapf **Medicine:** 2 talks offered by Prof Thomas Krieg
September 2024 **Module 1** · **Research Training** Research Paper	**Week 1: 2-6 Sep** Mon: Subject 4 - Group Supervision: Literature Review **Week 2: 9-13 Sep** Mon: Subject 4 - Group Supervision: Methodology **Week 3: 16-20 Sep** Mon: Subject 4 - Group Supervision: Result, Discussion

MONTH	SCHEDULE Monday-Friday after school time 15:30-16:30 during term time
September 2024 *Module 1* • **Research Training Research Paper**	**Week 4: 23-27 Sep** **Mon:** Subject 4 - Group Supervision: Group Presentation, Feedback **Wed:** Subject 1 - Group Supervision: Literature review **Fri:** Subject 2 - Group Supervision: Literature review
October 2024 *Module 1* • **Research Training -** Research Paper, Skill Workshops *Module 2* • **Professors Sessions -** In person talks	**Week 5: 30 Sep-4 Oct** Mon: Subject 3 - Group Supervision: Literature review Wed: Subject 1 - Group Supervision: Methodology Fri: Subject 2 - Group Supervision: Methodology **Week 6: 7-11 Oct** Mon: Subject 3 - Group Supervision: Methodology Wed: Subject 1 - Group Supervision: Result, Discussion Fri: Subject 2 - Group Supervision: Result, Discussion **Week 7: 14-18 Oct** Mon: Subject 3 - Group Supervision: Result, Discussion Tue: Academic Skills Workshop - Building your academic website Wed: Subject 1 - Group Presentation, Feedback Thu: Subject 2 - Group Presentation, Feedback Fri: Professor's talk **Week 8: 21-25 Oct** Mon: Subject 3 - Group Presentation, Feedback
November 2024 *Module 2* • **Professors Sessions -** In person talks • **Lab/College/ Department** visit	**Week 9: 4-8 Nov** Fri: Professor's talk **Week 10: 11-15 Nov** Fri: Visit to Professor's Lab/College/Department **Week 11: 18-22 Nov** Fri: Professor's talk **Week 12: 25-29 Nov** Fri: Visit to Professor's Lab/College/Department
December 2024	Cambridge Interview Season

time-frame

Students Enrolled In September 2024

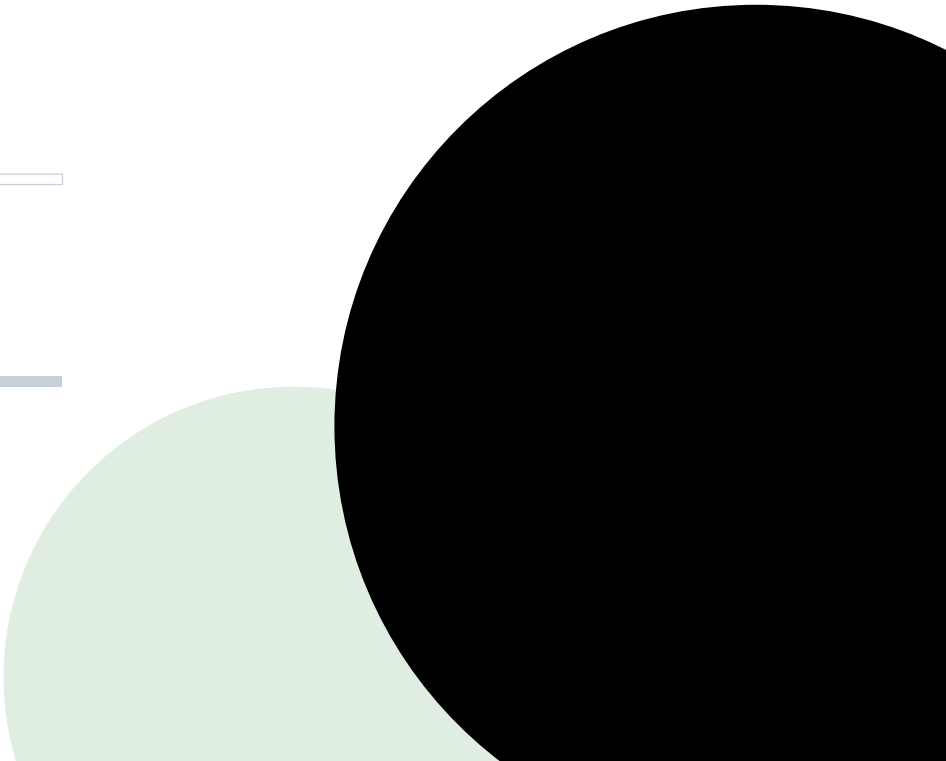| MONTH	SCHEDULE Monday-Friday after school time 15:30-16:30 during term time
September 2024 **Module 1** • **Programme Orientation** • **Research Training -** Research Proposal • **Research Training -** Academic Skills Workshop	**Week 1** **9 Sep:** Programme Orientation Talk **10-13 Sep:** Online Self-Paced Learning: recorded academic workshops on research proposal **14 Sep:** Academic Skills Workshop - Teamwork
	Week 2 **16-20 Sep:** Mon: Subject 1 - Lecture Tue: Subject 2 - Lecture Wed: Subject 3 - Lecture Thu: Subject 4 - Lecture Fri: Academic Skills Workshop - Literature Review
	Week 3 **23-27 Sep:** Mon: Subject 1 - Lecture Tue: Subject 2 - Lecture Wed: Subject 3 - Lecture Thu: Subject 4 - Lecture Fri: Academic Skills Workshop - Academic Writing 1

MONTH	SCHEDULE Monday-Friday after school time 15:30-16:30 during term time
October 2024 *Module 1* · **Research Training -** Research Proposal · **Research Training -** Academic Skills Workshop *Module 2* · **Professors Sessions -** In person talks · Lab/College/ Department visit	**Week 4** **30 Sep-4 Oct:** Mon: Subject 1 - Group Supervision: Research Topic Guidance 1 Tue: Subject 2 - Group Supervision: Research Topic Guidance 1 Wed: Subject 3 - Group Supervision: Research Topic Guidance 1 Thu: Subject 4 - Group Supervision: Research Topic Guidance 1 Fri: Academic Skills Workshop - Academic Writing 2
	Week 5 **7-11 Oct:** Mon: Subject 1 - Group Supervision: Research Topic Guidance 2 Tue: Subject 2 - Group Supervision: Research Topic Guidance 2 Wed: Subject 3 - Group Supervision: Research Topic Guidance 2 Thu: Subject 4 - Group Supervision: Research Topic Guidance 2 Fri: Academic Skills Workshop - Presentation Skills
	Week 6 **14-18 Oct:** Mon: Subject 1 - Group Supervision: Feedback and literature review 1 Tue: Subject 2 - Group Supervision: Feedback and literature review 1 Wed: Subject 3 - Group Supervision: Feedback and literature review 1 Thu: Subject 4 - Group Supervision: Feedback and literature review 1 Fri: Professor's talk
	Week 7 **21-25 Oct:** Mon: Subject 1 - Group Supervision: Feedback and literature review 2 Tue: Subject 2 - Group Supervision: Feedback and literature review 2 Wed: Subject 3 - Group Supervision: Feedback and literature review 2 Thu: Subject 4 - Group Supervision: Feedback and literature review 2 Fri: Visit to Professor's Lab/College/Department

MONTH	SCHEDULE Monday-Friday after school time 15:30-16:30 during term time
November 2024 *Module 1* • **Research Training -** Research Proposal *Module 2* • **Professors Sessions -** In person talks • Lab/College/ Department visit	**Week 8** **4-8 Nov:** Mon: Subject 1 - Group Supervision: Research design, Methodology 1 Tue: Subject 2 - Group Supervision: Research design, Methodology 1 Wed: Subject 3 - Group Supervision: Research design, Methodology 1 Thu: Subject 4 - Group Supervision: Research design, Methodology 1 Fri: Professor's talk
	Week 9 **11-15 Nov:** Mon: Subject 1 - Group Supervision: Research design, Methodology 2 Tue: Subject 2 - Group Supervision: Research design, Methodology 2 Wed: Subject 3 - Group Supervision: Research design, Methodology 2 Thu: Subject 4 - Group Supervision: Research design, Methodology 2 Fri: Visit to Professor's Lab/College/Department
	Week 10 **18-22 Nov:** Mon: Subject 1 - Group Supervision: Time line, Discussion Tue: Subject 2 - Group Supervision: Time line, Discussion Wed: Subject 3 - Group Supervision: Time line, Discussion Thu: Subject 4 - Group Supervision: Time line, Discussion Fri-Professor's talk
	Week 11 **25-29 Nov:** Mon- Subject 1 - Group Supervision: Presentation, Feedback Tue- Subject 2 - Group Supervision: Presentation, Feedback Wed- Subject 3 - Group Supervision: Presentation, Feedback Thu- Subject 4 - Group Supervision: Presentation, Feedback Fri- Visit to Professor's Lab/College/Department

MONTH	SCHEDULE Monday-Friday after school time 15:30-16:30 during term time
December 2024 **Package A** · **Research Training -** Research Proposal	**Week 12** **2-5 Dec:** Mon- Subject 1 - Group Supervision: Proposal Review and feedback Tue- Subject 2 - Group Supervision: Proposal Review and feedback Wed- Subject 3 - Group Supervision: Proposal Review and feedback Thu- Subject 4 - Group Supervision: Proposal Review and feedback **Week 13** **9-12 Dec:** Mon: Subject 1 - Group Supervision: Proposal Review and feedback Tue: Subject 2 - Group Supervision: Proposal Review and feedback Wed: Subject 3 - Group Supervision: Proposal Review and feedback Thu: Subject 4 - Group Supervision: Proposal Review and feedback
January 2025 **Module 1** · **Research Training -** Research Paper	**Week 1** **6-10 Jan:** Mon: Subject 1 - Group Supervision: Literature review Tue: Subject 2 - Group Supervision: Literature review Wed: Subject 3 - Group Supervision: Literature review Thu: Subject 4 - Group Supervision: Literature review **Week 2** **13-17 Jan:** Mon: Subject 1 - Group Supervision: Methodology Tue: Subject 2 - Group Supervision: Methodology Wed: Subject 3 - Group Supervision: Methodology Thu: Subject 4 - Group Supervision: Methodology

MONTH	SCHEDULE Monday-Friday after school time 15:30-16:30 during term time
January 2025 *Module 1* · **Research Training -** Research Paper	**Week 3** **20-24 Jan:** Mon: Subject 1 - Group Supervision: Result, Discussion Tue: Subject 2 - Group Supervision: Result, Discussion Wed: Subject 3 - Group Supervision: Result, Discussion Thu: Subject 4 - Group Supervision: Result, Discussion **Week 4** **27-31 Jan:** Mon: Subject 1 - Group Supervision: Abstract, Introduction Tue: Subject 2 - Group Supervision: Abstract, Introduction Wed: Subject 3 - Group Supervision: Abstract, Introduction Thu: Subject 4 - Group Supervision: Abstract, Introduction
February 2025 *Module 1* · **Research Training -** Research Paper · Research Training Academic Skills Workshops	**Week 5** **3-7 Feb:** Mon- Subject 1 - Group Supervision: Presentation, Feedback Tue- Subject 2 - Group Supervision: Presentation, Feedback Wed- Subject 3 - Group Supervision: Presentation, Feedback Thu- Subject 4 - Group Supervision: Presentation, Feedback **Week 6** **10 Feb:** Academic Skills Workshop - Publishing Your Paper **Week 7** **24 Feb:** Academic Skills Workshop - Building Your Academic Website
June - August 2025 *Module 2* · **Professors Sessions -** Online talks	Students will have access to the online talks offered by Cambridge Professors (20 hours)

MONTH	SCHEDULE Monday-Friday after school time 15:30-16:30 during term time
September - October 2025 *Module 2* • **Professors Sessions** - In person talks • Lab/College/ Department visit	**Week 1** Fri: Visit to Professor's Lab/College/Department **Week 2** Fri: Professor's talk **Week 3** Fri: Visit to Professor's Lab/College/Department **Week 4** Fri: Professor's talk **Week 5** Fri: Professor's talk

top up
programmes
(extra for interested students)

1. 2-Week summer research/ academic programme
(15% discount to students from St Andrew's College)

• Available subjects: AI, Business, Finance, International Relations, Medicine, Natural Sciences, Psychology, Sociology

• Gain exposure to the latest developments and knowledge in your chosen field and build academic skills through interactive lectures and small group supervision led by Cambridge professors and PhD students.

• Immerse in vibrant cultural activities and inspiring visits to prestigious companies and institutions.

• Study, live, and dine in a traditional Cambridge College with other like- minded students from around the world.

Programme Awards:

• A recommendation letter from a Cambridge Professor for the top 50%/20% students

• A programme reference letter from the Programme Director at Cambridge

• A Certificate of Attendance jointly signed by Maxer/UniHive and a Cambridge College

• A reviewed research proposal

Programme Dates:

July 15 - July 28, 2024
July 29 - August 11, 2024
August 12 - August 25, 2024

2. 1-To-1 interview expert advice and training (subject to requirements)

(15% discount to students from St Andrew's College)

• Receive customised training and written feedback from Cambridge academics to help you excel in your Cambridge interview

• Conduct in-person mock interviews to imitate the real Cambridge interview setting

3. 1-To-1 entrance exam tutoring (subject to requirements)

(15% discount to students from St Andrew's College)

• Customised Cambridge entrance exam tutoring according to your academic ability, progress, and goal

• An initial assessment is required to assess the student's performance

ST. ANDREW'S COLLEGE
Cambridge

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www.standrewscambridge.co.uk

St Andrew's College is a part of Dukes Education.

ST. ANDREW'S COLLEGE
Cambridge

TOGETHER WE'RE EXTRAORDINARY

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