STEAM Programme at Cambridge

Overview

The STEAM Programme at Cambridge gives ambitious students the extraordinary opportunity to experience Cambridge student life. While the aim is to challenge and inspire you by engaging with Cambridge's world-class reputation for academic rigour and excellence, as a student in the programme you will become part of a diverse and supportive community which combines a commitment to academic excellence with a lively social scene.

Programme

Code	Programme	Location	Dates, Price & Deadline	Length
CAM1	STEAM	Cambridge, England	https://dka-llc.com/programs/	14 Days

About Cambridge

The University of Cambridge is a collegiate research university in Cambridge, United Kingdom. Founded in 1209 and granted a royal charter by Henry III in 1231, Cambridge is the second-oldest university in the English-speaking world and the world's fourth-oldest surviving university, and one of the most prestigious academic institutions in the world. The university grew out of an association of scholars who left the University of Oxford after a dispute with the townspeople. The two English ancient universities share many common features and are often jointly referred to as Oxbridge. In turn, Cambridge-educated John Harvard and other founders would establish Harvard University, inspired by the English model, in the eponymous Cambridge, Massachusetts.

Cambridge is formed from a variety of institutions which include 31 semi-autonomous constituent colleges and over 150 academic departments, faculties and other institutions organised into six schools. All the colleges are self-governing institutions within the university, each controlling its own membership and with its own internal structure and activities. All students are members of a college. The university does not have a main campus, and its colleges and central facilities are scattered throughout the city.

Cambridge University Press, a department of the university, is the oldest university press in the world and currently the second largest university press in the world. Cambridge Assessment, also a department of the university, is one of the world's leading examining bodies and provides assessment to over eight million learners globally every year. The university also operates eight cultural and scientific museums, including the Fitzwilliam Museum, as well as a botanic garden. Cambridge's libraries, of which there are over 100, hold a total of around 16 million books, around nine million of which are in Cambridge University Library, a legal deposit library. The university is closely linked to the development of the high-tech business cluster known as 'Silicon Fen'.

A member of numerous associations and part of the 'golden triangle' of English universities, Cambridge has educated many notable alumni, including eminent mathematicians, scientists, politicians, lawyers, philosophers, writers, actors, monarchs and other heads of state. As of October 2020, 121 Nobel laureates, 11 Fields Medalists, 7 Turing Award winners and 14 British prime ministers have been affiliated with Cambridge as students, alumni, faculty or research staff. University alumni have won 194 Olympic medals.

▪ **2022 QS World University Rankings: #3**

Certificates

Certificate of Attendance
All students will be awarded a certificate of attendance upon completion of the programme.

Academic Report
In addition to an attendance certificate, each student will receive an Academic Report.

Reference Letter
Students with outstanding results in the Programme Project will receive a Reference Letter.

| Visa Letter | Certificate of Attendance | Academic Report | Reference Letter |

Programme Content

Lectures
The programme offers a series of lectures. The range of lectures offered in the science, technology, engineering, the arts, and mathematics reflects the array of academic expertise in Cambridge and has been designed to allow you to work both towards your home University degree requirements and to try something new. Lectures will be academically rigorous and challenging but accessible. The lectures can include, but are not limited to, the following topics:

▪ STEM Education
▪ Art and Education
▪ British Culture and Its Forms
▪ Globalisation

- Technology and Innovation Management
- Game Theory
- Innovation & Entrepreneurship
- Digital Transformation and Future of Work
- Financial Disruption: AI, Automation, Blockchain
- Public Speaking Skills

College Life

Attending the programme gives students the incredible opportunity to experience living, studying and socialising in a Cambridge College.

Meals

Eating together is an important part of Cambridge College life. Students will therefore have lunch in the College. And they will also have the flexibility to explore the many wonderful cafes, restaurants and pubs around Cambridge for dinner.

Formal Hall

Students will attend a Formal Hall during the programme. Formal Halls are a Cambridge tradition going back centuries and these three-course meals. It is served in the College's dining hall and preceded by excellent drinks and food.

Activities

Throughout the programme students will have the chance to take part in exciting activities across Cambridge, as well as going on day trips to London, Oxford, Stratford-upon-Avon and Warwickshire.

In Cambridge

- King's College, University of Cambridge
- Highlights of Cambridge
- The Fitzwilliam Museum
- Cambridge Science Park
- Salsa Dance
- Punting on the River Cam
- Afternoon Tea
- Eagle Pub
- Sports
- Wine Tasting

London and Oxford

- London Royal Walking Tour
- The British Museum or National Gallery
- Cruise on River Thames

- Royal Observatory, Greenwich
- Christ Church College, University of Oxford
- BMW MINI Plant Oxford

Stratford-upon-Avon and Warwickshire
- Shakespeare's Birthplace
- Warwick Castle

Group Project

Group project is a vital component of the programme. By participating in the project presentation, students will gain experience on:
- Carrying out research and studies.
- Pitching their idea to a judge panel.
- Developing critical thinking.
- Developing communicational and organisational skills.
- Working as part of a team and collaborate with team members.
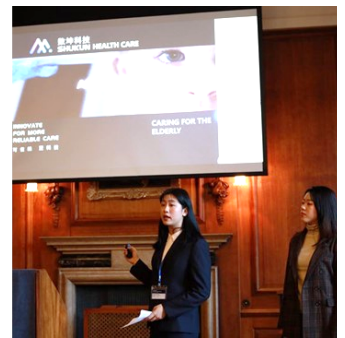
Additional Information

Each group will be assigned 1-2 group leaders.
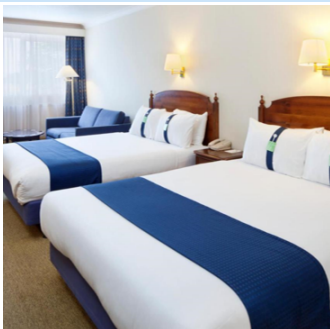
Accommodation

Appropriate accommodation will be arranged for the duration of the programme:
Option 1: Holiday Inn Cambridge
Option 2: ibis Cambridge Central Station

Meals

Breakfast will be served at the hotel.
Lunch will be served in the College.

Transportation

Coaches will be arranged for airport pick-up and drop-off and the activities on the schedule.

Class size

There will be no more than 45 students in each class.

Fee

- Including: Course Lectures, Activities, Visits, Breakfast, Lunch, Transportation, Accommodation and Travel Insurance.
- Excluding: Visa, Round-trip Flight, Dinner, and other personal expenses.

Schedule

#	Morning	Afternoon
Day 1	Arrive in Cambridge & Check-In	
Day 2	**Welcome Ceremony** **Welcome Session** **Cambridge and Colleges** **Lecture** **STEM Education** - Interdisciplinary education (Science, Technology, Engineering, and Mathematics) - Cambridge	**Campus Visit** **King's College, University of Cambridge** **Highlights of Cambridge** - Corpus Clock, the river Cam, etc. **Cultural Activity** **Salsa Dance** - Cambridge
Day 3	**Lecture** **Art and Education** - Education through art - Creativity in art education - Aesthetic development - Cambridge	**British Culture and Its Forms-** - British Cultures (food & drinking culture, sports culture, social culture, etc) **Cultural Activity** **Afternoon Tea** - Cambridge
Day 4	**Lecture** **Globalisation** - Developments & trends - Impacts on globalisation - Future of globalisation - Cambridge	**Museum Visit** **Fitzwilliam Museum** - Art and antiquities museum of the University of Cambridge **Cultural Activity** **Punting** - Cambridge
Day 5	**Day Trip - London** **London Royal Walking Tour** - Houses of Parliament, Buckingham Palace, etc. - London	**Day Trip - London** **Cruise on River Thames** **Royal Observatory, Greenwich** - Home of Greenwich Mean Time (GMT) - London
Day 6	**Day Trip - Oxford** **Christ Church College, University of Oxford** **Guided Tour** **Highlights of Oxford** - Bridge of Sighs, Bodleian Library, etc. Oxford	**Day Trip - Oxford** **BMW MINI Plant Oxford** - The heart of MINI, where all the parts are assembled and come together to make road-ready MINI models. - Oxford
Day 7	**Lecture** **Technology and Innovation Management** - Launch and growth of technology companies	**Visit** **Cambridge Science Park** - Europe's oldest and most successful science park.

		👥 **Cultural Activity**	
- Growth seeking initiatives of existing companies		**Golf Instruction & Practice**	
📍 Cambridge		📍 Cambridge	

Day 8 💻 **Lecture**
Game Theory
- Game types
- Game theoretic models
- General and applied uses

📍 Cambridge

💻 **Lecture**
Innovation & Entrepreneurship
- Entrepreneurship strategy
- Disruptive innovation

👥 **Cultural Activity**
Eagle Pub
📍 Cambridge

Day 9 📍 **Day Trip - London**
British Museum
- Discovering two million years of human history and culture.

📍 London

📍 **Day Trip - London**
British Cultural Experience
- Oxford Street, Regent Street, Bond Street
📍 London

Day 10 📍 **Day Trip - Stratford-upon-Avon**
Shakespeare's Birthplace
- Walking in the footsteps of William Shakespeare & relieving his story.

📍 Stratford-upon-Avon

📍 **Day Trip - Warwickshire**
Warwick Castle
- A medieval castle. Britain's "Top 10 historic houses and monuments"
📍 Warwickshire

Day 11 💻 **Lecture**
Digital Transformation and Future of Work
- Cutting-edge digital technologies
- Opportunities provided by the digital Transformation
- Future of work

📍 Cambridge

💻 **Lecture**
Financial Disruption: AI, Automation, Blockchain
- Basic issue in finance
- Finance and technology
- How finance is changing

👥 **Cultural Activity**
Wine Tasting
📍 Cambridge

Day 12 💻 **Lecture**
Public Speaking Skill
- Communication skills
- Better public speaking

📍 Cambridge

💻 **Final Project Preparation**
- Refinement
- Preparation
- Rehearsal
📍 Cambridge

Day 13 🖥️ **Final Project Presentation**
- Group project presentations
- Q&A and feedback

📍 Cambridge

🖥️ **Closing Ceremony**
- Announcing the winning project group
- Issuing the certificates

👥 **Formal Dinner**
📍 Cambridge

Day 14 ✈️ Check-Out & Departure from Cambridge

Remarks: The schedule is tentative and subjected to change.

To see all DKA programs, or apply:
https://www.dka-llc.com/programs