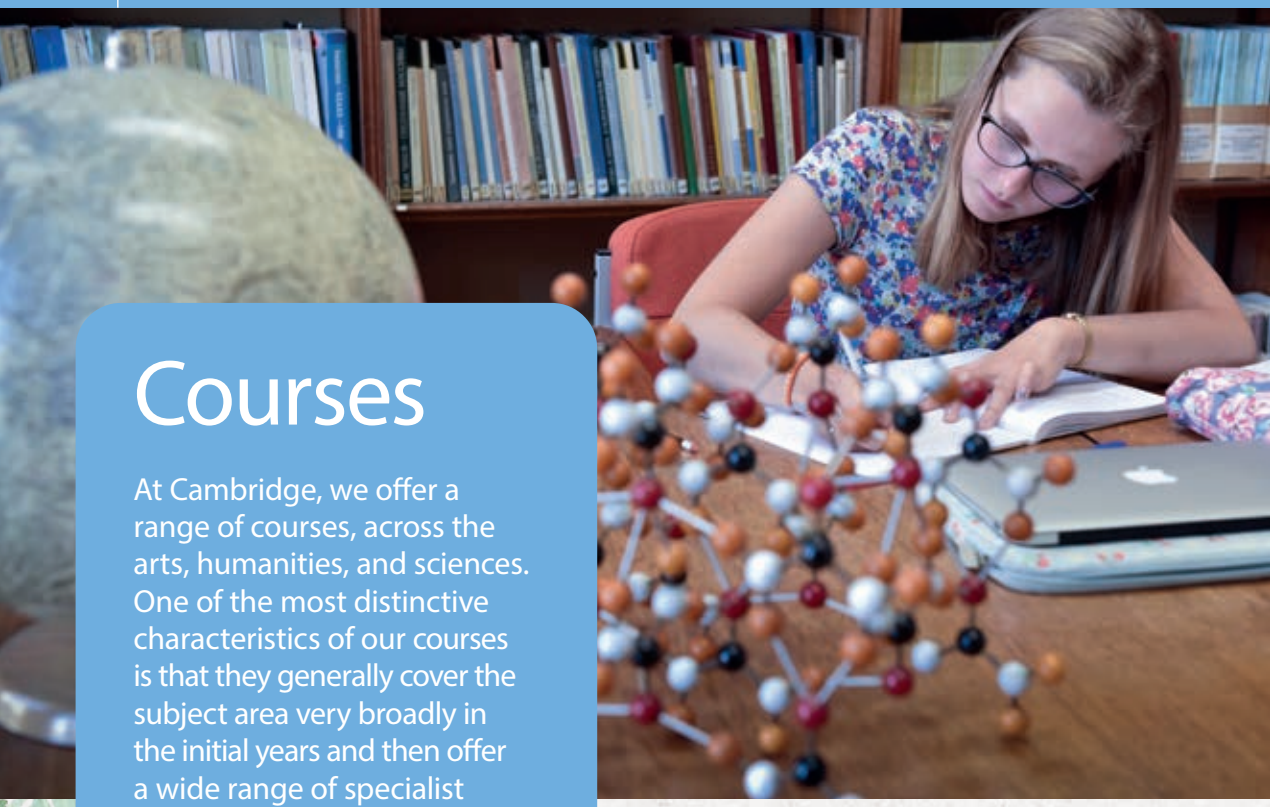


Courses

At Cambridge, we offer a range of courses, across the arts, humanities, and sciences. One of the most distinctive characteristics of our courses is that they generally cover the subject area very broadly in the initial years and then offer a wide range of specialist options in the later years.

You can hear more about our courses, directly from the students studying them, in our course videos. Follow the link on each course webpage to watch the video for your chosen course and find out what it's like to study at Cambridge.

If you know what you want to focus on you can usually start to specialise early on or, if you're undecided, you can delay specialising until you've had the chance to fully explore the breadth of your subject and developed your interests. Either way, by graduation you'll have the same depth of understanding and knowledge as other graduates in the field.

Generally, the number of subjects to choose from increases each year and some papers (topics) are offered in numerous courses – check the course outlines for more details. For example, some Classics and language papers are available in the English course. Beyond any compulsory papers, you can usually select your topics from a variety of options.

Triposes

Sometimes, at Cambridge, your course might also be referred to as a Tripos. For example, the Mathematics course may also be known as the Mathematics Tripos.

Using our course pages

On each course page, you'll find information about course structure and content, and important admissions details to help you decide which course is the best for you.

Course outline

You'll find the details of what you'll study each year in the course outline. You can also find out more about how you'll be taught (including contact hours) and the assessment methods that form part of your course. The specific modes of assessment included here are those which currently apply. Please look at the University course websites (**www.cam.ac.uk/courses**) before applying, and before accepting an offer, for any changes and for up-to-date information on methods of assessment. If you have any concerns about a course's mode of assessment or any other elements detailed in the course outline, please contact the relevant department or faculty before applying or accepting a place at Cambridge – you'll find contact details on each course page.

Should the mode of assessment change during your time of study at the University, you will be informed of this in advance of the start of the relevant academic year and be given the opportunity to respond. The University does not expect any changes to affect students adversely.

Typical offers

The Colleges expect required subjects to be passed, normally with an A* or A at A Level/grade 7 or 6 at Higher Level of the IB (or equivalent). For courses that don't have particular subject requirements, high grades are expected in your subjects most relevant to the course.

To help you get an idea of the best subjects to study for your chosen course, we have included the following subject details on each entry:

- all Colleges require – subjects that are essential for all Colleges
- some Colleges require – subjects that are essential for some Colleges
- useful preparation – subjects that aren't required by any Colleges (so won't affect admissions decisions) but which can provide useful preparation for the course.

The entry requirements for our courses may differ slightly at each College, for example some Colleges may ask for an A* in a particular subject, so you should check the entry requirements for your chosen College before applying. Visit the relevant course webpage where you will find a table detailing the requirements at each of the Undergraduate Colleges. You can also find details about the A Level subjects taken by typical entrants for each course in previous years.

Admission assessments

Most applicants are required to take a subject-specific written admission assessment. This might be before shortlisting for interview (pre-registration required) or after you've been shortlisted for interview (Cambridge College registered). The type of admission assessment required for each course is noted in the course fact file.

In addition to these assessments, some of our Colleges require applicants for some courses to take a College set assessment as part of the interview process (this may be in addition to a pre-registration assessment). You should check individual College websites for details of their admission assessment arrangements, and mature students should refer to p38-9 for more information.

For more details about admission assessments and what they involve see p8 and visit **www.cam.ac.uk/assessment**.

Course statistics

Application and admissions statistics for 2022 entry are noted in the course fact files. Please visit our website to find further statistics from previous years (**www.cam.ac.uk/ugstatistics**).

Undergraduate Study website
www.cam.ac.uk/courses

Next steps

When you've chosen your course, you'll need to decide which College to apply to. There's more information about how to choose a College on p118-9.

Changing course

Most students stay on the same degree course but it might be possible to change (with agreement from your College, though there is no guarantee that such requests will be permitted). The process of changing varies between courses and in some cases you may need to undertake an admissions process. Contact a College admissions office for advice.

www.foundationyear.cam.ac.uk foundation.year@admin.cam.ac.uk 01223 768652

Foundation Year in Arts, Humanities and Social Sciences

A free and fully-funded one year course designed to offer a stepping stone to Cambridge for those who have experienced educational disadvantages.

Foundation Year at Cambridge

On the Foundation Year, you can expect an exciting and challenging academic curriculum in the arts, humanities and social sciences. You will be a full member of the University and enjoy access to all that Cambridge offers in support of your academic development. This offers the best possible preparation for the rigours of a Cambridge degree course by broadening and deepening your knowledge and understanding as well as introducing you to the ways students learn at Cambridge.

This course is aimed at those who are unlikely to get the grades required for degree courses at Cambridge due to educational disadvantages or disruption. To be considered for the programme, you should meet our eligibility criteria and be ordinarily resident in the UK.

Applicants should apply via UCAS by **24 January 2024**.

After the Foundation Year

You will get a Certificate of Higher Education from the University of Cambridge on successfully finishing the course, as well as being equipped to continue to a number of degree courses in the arts, humanities and social sciences. Completing the course to the required standard will allow you to progress to one of 18 degree courses at the University, including Classics (p58), English (p72), History (p76), Human, Social, and Political Sciences (p82), and Modern and Medieval Languages (p96). Please visit the website for the full list of courses. During the Foundation Year, you will also be supported to apply to courses at other universities.

Fees

There are no tuition fees charged for the Foundation Year. However, if you continue to study at Cambridge by progressing to a degree course, you will need to pay the tuition fee for that course. You will also receive a non-repayable scholarship during the Foundation Year, equivalent to the value of the government's full maintenance loan, and a Cambridge Bursary (see p34). Visit our website to find out more.

"I feel very lucky that I will have an opportunity to engage and be a part of this course, and despite my unfamiliarity with university study, I feel reassured that there will be support from the Foundation Year team to guide me."

Toga

Fact file

Duration One year - CertHE

2022 entry

Applications per place: 5
Number accepted: 47

Eligibility

This course is open to students ordinarily resident in the UK only. To be considered for this course you must have experienced educational disadvantage or disruption. Full details on these criteria are available at **www.cam.ac.uk/foundationyear**.

Typical offers require
120 UCAS tariff points (academic points only). Full details of acceptable qualifications are available at **www.cam.ac.uk/foundationyear**

No specific subjects required by any Colleges

Admission assessment
Applicants are required to take a written assessment if shortlisted for interview.

Colleges

Available at selected Colleges. See **www.cam.ac.uk/foundationyear** for a full list.

Related courses

See **www.cam.ac.uk/foundationyear** for the full list of courses you can study after completing the Foundation Year.

Open days 2023

Cambridge Open Days – see p156-7

Other open days and events can be found at **www.cam.ac.uk/ugevents**.

Course outline

You will study a specially designed, multidisciplinary course that focuses on developing your learning skills and preparing you for degree study.

The course begins with an induction week before the start of the main University term. For this week you will live alongside other students on the programme and take part in an academic and social programme that helps you to start building your skills and confidence.

You will be taught through lectures, seminars and supervisions and develop your ability to take philosophical, reflective and critical approaches to different sources, using a range of methods of analysis. Most classes take place in the West Hub but you'll also have the opportunity to experience classes at the University's museums and archives, and take part in field trips linked to your studies.

Course structure

Since the interests of students on the course range across arts, humanities and social sciences, there are opportunities right from the start to make choices that allow you to follow your interests as well as be exposed to new subjects and ways of thinking.

The curriculum is offered across four streams and you will complete eight papers from the options available across these four streams:

Working with textual sources
This stream aims to help you develop a critical approach to textual sources you will encounter in different disciplines. You will gain an increased understanding of the variety of textual sources used in different subjects, the appropriate approaches for different disciplines and the different purposes, origins and biases of textual sources.

Working with material sources
This stream supports you in developing a critical approach to different types of material sources such as artefacts and artworks. You will develop an appreciation of the possibilities of approaches and interpretations of different kinds of material evidence and the relationships between different sources.

Working with languages
This stream will equip you with an improved understanding of how language works, the challenges of activities such as translation, and an understanding of cultural contexts. There is also the opportunity to maintain or develop proficiency in a language other than English which could support further study of languages.

Working with data
This stream develops your critical approach to different types of data sources. You will learn a range of data analysis skills which focus on society and community. As well as appreciating the logical principles behind data, you will learn to evaluate and interpret a range of data types, their potential sources and limitations.

Assessment

You will be assessed in a variety of different ways depending on the choices you make about what you study during the course. This will include written assignments and a final examination. You also have the opportunity to explore a topic of your own choice through an extended project.

Further information about what and how you will study is available at **www.foundationyear.cam.ac.uk/course**.

www.asnc.cam.ac.uk office@asnc.cam.ac.uk 01223 335079

Anglo-Saxon, Norse, and Celtic

If you're fascinated by medieval history, literature and languages, and you relish the prospect of doing your own research using original source materials, this course – unique in the UK to Cambridge – will appeal.

A voyage of discovery

From the history and culture of Anglo-Saxon England, and Celtic languages to Viking exploits, Anglo-Saxon, Norse, and Celtic (ASNC) allows you to explore a range of cultures, and to look at history, language and literature side by side.

ASNC focuses on the history, material culture, languages and literature of the peoples of Britain, Ireland and the Scandinavian world in the earlier Middle Ages.

ASNC students discover medieval history while learning one or more languages and reading great works of literature in the original languages, such as the Old English poem *Beowulf*, the epic medieval Irish tale *Táin Bó Cúailnge (The Cattle Raid of Cooley)* and Icelandic sagas. Exactly which areas you study and to what depth is largely up to you and, to support your learning, Cambridge has rare and exceptional resources to offer in the University Library, the College libraries, and in the Fitzwilliam and other museums.

What are we looking for?

No previous knowledge of the subject is expected or required; all languages are taught from scratch and we don't assume that students have studied early medieval history or literature at school. However, we do require passion and commitment, and look for evidence of your general ability in arts and humanities subjects.

After ASNC

This unusual and challenging degree develops your powers of argument and sharpens your powers of analysis. It equips you for a wide range of careers where intellectual and analytical skills are important.

'Asnac' (as they like to be called) graduates can be found in a wide range of careers. Some take advantage of the specialist opportunities open to them and do research and teaching in schools and universities, or work in museums and libraries; while many others go into careers including journalism, publishing, banking, law, the Civil Service, industry and business, and even software development.

"I couldn't decide which I preferred out of history and literature, and ASNC offered me the opportunity to combine both those interests."

Ben

Fact file

Duration Three years – BA (Hons)

2022 entry Applications per place: 2
Number accepted: 22

Typical offers require

A Level A*AA
IB 40-42 points, with 776 at Higher Level
Other qualifications See p153-4

No specific subjects required by any Colleges

Useful preparation English (language or literature), History, a language (ancient or modern). Check our website for more information about the subjects our typical entrants have studied.

Admission assessment
Some Colleges require applicants to take a written assessment if shortlisted for interview: Cambridge College registered (see p43 and www.cam.ac.uk/assessment)

Colleges Available at all Colleges

Location
Map reference S (see p158-9)

Open days 2023
Cambridge Open Days – see p156-7

Other open days and events can be found at www.cam.ac.uk/ugevents.

Related courses

Archaeology	48
English	72
History	76
Human, Social, and Political Sciences	82
Linguistics	88
Modern and Medieval Languages	97

Course outline

Teaching is provided through lectures, classes, seminars and supervisions and you can expect between 10 to 15 hours of lectures and classes per week during Part I.

Years 1 and 2 (Part I)

Year 1

In the first year, you study the various disciplines which form the core of ASNC studies.

There are no compulsory papers – you choose six subjects from a range of 10 and take an examination in four of them.

Historical subjects:

- Anglo-Saxon history
- Scandinavian history
- Gaelic history (Scotland, Ireland and the Isle of Man)
- Brittonic history (Wales, Brittany, Cornwall, the Pictish kingdoms and the North Britons)

Language and literature subjects:

- Old English
- Old Norse
- medieval Welsh
- medieval Irish
- medieval Latin
- palaeography (the study of manuscripts and handwriting)

Year 2

In your second year, you may continue to study your chosen subjects and take an examination in all six of them. Alternatively, you have the option to replace up to three of your first-year subjects with a dissertation and/or one or two papers from related courses – currently these include subjects from Divinity, English, and Modern and Medieval Languages.

Year 3 (Part II)

This is where you develop and use the skills you learned in Part I, exploring your chosen fields and applying your newly acquired knowledge in original and imaginative ways.

You study four subjects selected from a range of 17 papers including, for example:

- Rethinking the Viking Age
- *Beowulf*
- Germanic Philology
- Advanced Medieval Irish Language and Literature

These are designed to give you the opportunity to pursue more detailed study in your chosen areas. You may replace one of your four Part II ASNC papers with a paper from another course. The range of subjects available varies each year but currently includes medieval English literature, medieval French literature, historical linguistics, and a subject from the Faculty of Divinity. You may also replace one of your Part II subjects with a Part I paper that you didn't offer for the examinations at the end of your second year.

In addition, you write a dissertation of between 9,000 and 12,000 words on a specific subject of your own choice within the scope of the course.

www.arch.cam.ac.uk undergraduate-secretary@arch.cam.ac.uk 01223 339001

Archaeology

Are you curious about humanity's deep past? Human evolution and biology, ancient cultures and languages, early civilisations and how heritage affects identity and politics today are just some of the topics you can study on our Archaeology course.

Archaeology at Cambridge

Students at the Department of Archaeology are part of a diverse research community. Our course encompasses Archaeology, Assyriology, Biological Anthropology and Egyptology. Its flexibility means you can either specialise from Year 1, or opt for a broad start before concentrating on up to two subjects from the second year.

- **Archaeology** uses material evidence, from molecules to monumental structures, to explore the human past and understand past societies.
- **Assyriology** is the study of the languages, cultures, history and archaeology of ancient Mesopotamia (Sumer, Babylonia and Assyria).
- **Biological Anthropology** investigates human evolution and diversity, biology and behaviour, and the interaction between biology and culture.
- **Egyptology** is the study of the history, languages, society, archaeology and religion of ancient Egypt.

Teaching and resources

Our Archaeology degree is one of the most dynamic of its kind. The research we do ranges widely across time and locations, from discovering where the gold from Tutankhamun's mask came from, to studying the population genetics of south-east Asian islands, to uncovering the impact of plague on medieval Cambridge. Our staff are at the forefront of research, involving students through fieldwork and research projects. Over the course of your degree, you might find yourself studying the behaviour of chimpanzees, learning about our oldest human ancestors, translating Egyptian hieroglyphs, learning about radiocarbon dating, or examining imagery in a Babylonian poem.

Our excellent resources include the Cambridge Archaeological Unit (a dedicated professional field unit), purpose built laboratories and dedicated libraries. In addition, the Duckworth Collection of human and primate skeletal remains and fossil hominin casts, the Museum of Archaeology and Anthropology, and the Fitzwilliam Museum provide access to collections of primary sources of world importance.

After Cambridge

Our course offers the theoretical foundation and training in standard methods and specialised techniques required for academic and professional practice.

The intellectual versatility and transferable skills that our students develop – the ability to think critically, analyse texts, handle data and work collaboratively – mean they're widely sought after by employers. Graduates have gone on to work in the commercial archaeology sector in the UK and internationally as well as for other heritage organisations such as the National Trust and Historic England. Recent graduates have also gone into law, advertising, media, conservation, health and further academic study.

"The ability to study the anatomy of the past and present undoubtedly provided the most challenging and interesting parts of my degree, giving me transferable skills which I can carry into my future career."

Helen

Fact file

Duration Three years – BA (Hons)

2022 entry Applications per place: 3
Number accepted: 21

Typical offers require

A Level A*AA
IB 40-42 points, with 776 at Higher Level

Other qualifications See p153-4

No specific subjects required by any Colleges

Useful preparation Any combination of subjects, which could include arts, humanities, sciences or social sciences. Check our website for more information about the subjects our typical entrants have studied.

Admission assessment
Written assessment: Cambridge College registered (see p43 and www.cam.ac.uk/assessment)

Colleges Available at all Colleges except Queens'

Location
Map reference D (see p158-9)

Open days 2023
Cambridge Open Days – see p156-7

Other open days and events can be found at www.cam.ac.uk/ugevents.

Related courses

Asian and Middle Eastern Studies	53
Classics	58
Geography	74
History	76
Human, Social, and Political Sciences	82
Natural Sciences	103

Course outline

You have between six and eight lectures and one or two supervisions each week. You may also have language classes, seminars and/or practicals.

You're assessed each year through written exams and coursework. Some papers include assessed practicals/fieldwork. Most students write a 10,000 word dissertation in Year 3.

Year 1 (Part I)

You pick three from several core archaeology, language and biological anthropology options. Your fourth can be another core subject paper, or you can choose a psychology, social anthropology, politics and international relations or sociology option.

Years 2 and 3 (Part II)

You can pursue one of four single-subject tracks as detailed below. The tracks can also be combined, allowing you to study Archaeology and Biological Anthropology or Assyriology and Egyptology.

Archaeology

In Year 2 (Part IIA), you take three papers in theory and practice, data analysis, and the archaeology of a particular period or region. The fourth paper is either another period/region option, a biological anthropology paper or a paper chosen from another course such as Classics or Human, Social and Political Sciences (HSPS).

You complete four weeks of fieldwork before starting Year 3 (Part IIB). In Year 3, you write a dissertation and study advanced archaeological thought, archaeology in the wider world, plus additional options from within this track or from another course such as Classics or HSPS.

Assyriology

You take four papers in Year 2 (Part IIA). Akkadian language, Mesopotamian archaeology, and Mesopotamian culture are required. The fourth paper could be Sumerian language (when offered) or chosen from other course options (one can be from Classics or HSPS).

You undertake a four-week study tour and/or fieldwork before starting Year 3 (Part IIB). In Year 3, you take four papers. Akkadian language, Mesopotamian archaeology, and Mesopotamian culture are required. The fourth paper can be your dissertation, Sumerian language (when offered), another paper in Archaeology, or from another course, such as Classics or HSPS.

Egyptology

In Year 2 (Part IIA), you take papers in Egyptian language and archaeological methods and concepts, plus two papers on society, religion and death in Ancient Egypt.

You undertake a four-week study tour and/or fieldwork before starting Year 3 (Part IIB). In Year 3, you take three papers: one Egyptian language paper, one Egyptian archaeology paper and a third on either Egyptian language or Egyptian archaeology. You will also write a dissertation.

Biological Anthropology

In Year 2 (Part IIA), you take a paper on data analysis and interpretation, plus two papers from: human ecology and behaviour, human evolution, and comparative human biology. You select your fourth paper from options offered elsewhere in this course, or from another course such as Psychological and Behavioural Sciences (PBS) or HSPS.

In Year 3 (Part IIB), you take take a paper on major topics in human evolutionary studies and write a dissertation. You also take further papers chosen from a range of areas including biological anthropology, archaeology and PBS.

www.arct.cam.ac.uk arct-info@lists.cam.ac.uk 01223 332950

Architecture

The Cambridge Architecture degree combines the intellectual challenges of both arts and sciences with the opportunity to explore the possibilities of creative design.

Architecture at Cambridge

The Architecture Department offers two degrees: Architecture, which offers the quickest route to qualification as an architect; and Design, which combines architecture, engineering and materials science (see p62).

Creativity, curiosity and strong intellectual grounding are central to the Architecture course. Our innovative design programme is balanced with outstanding teaching in the history and philosophy of architecture, contemporary culture and urbanism, as well as construction, structural design and environmental design.

Our small, friendly Department has a good staff to student ratio, and the supportive community atmosphere gives students the opportunity to push the boundaries of the field and to extend their own abilities in exciting new directions. Facilities include a superb library, reprographics areas, new digital fabrication laboratory, workshops, and studio spaces for students in all years.

Professional qualification

Successful completion of our full three-year undergraduate course carries exemption from the Architects Registration Board (ARB)/Royal Institute of British Architects (RIBA) Part 1 – the first stage in qualifying as an architect.

The Department offers two routes to professional accreditation (ARB/RIBA Parts 2 and 3):

- A full-time, two-year Master of Architecture (MArch) course, which carries exemption from ARB/RIBA Part 2 followed by a one year, part-time Postgraduate Certificate in Professional Practice which carries ARB/RIBA Part 3 exemption.
- A part-time, four year MSt Apprenticeship, during which you work throughout. See **www.ice.cam.ac.uk/course/mst-architecture-apprenticeship** for more details.

What we're looking for

You must have an enthusiasm for both the arts and the sciences. The ability to draw and an interest in the history of art and architecture are essential, as is a knowledge of mathematics to at least a good GCSE standard.

Portfolio

You are required to submit an electronic portfolio that illustrates your interests, experience and ability in the visual and material arts. This may include drawings, paintings, sculpture and/or photography. See the Department website for more advice.

Careers and research

Many graduates continue into professional training or enter other creative fields. Some choose to take up research in areas such as history and philosophy of architecture, environmentally responsible design, architecture and the moving image, urban design and transport planning, and disaster relief.

"A smaller student body than usual means your studio tutors have a lot more time to respond to your work and constructively help you to progress creatively."

Jasper

Fact file

Duration Three years – BA (Hons)
Two years – MArch

2022 entry Applications per place: 9
Number accepted: 66

Typical offers require

A Level A*AA
IB 40-42 points, with 776 at Higher Level

Other qualifications See p153-4

Applicants are expected to show a PDF portfolio of recent work at interview (see opposite)

No specific subjects required by all Colleges

Some Colleges require
A Level/IB Higher Level Mathematics or Physics; A Level/IB Higher Level in an essay-based subject.

Check our website for more information about the subjects our typical entrants have studied.

Admission assessment
Written and practical assessments: Cambridge College registered (see p43 and www.cam.ac.uk/assessment)

Colleges

Available at all Colleges except Hughes Hall and St Catharine's[1]

Location

Map reference L (see p158-9)

Open days 2023

Cambridge Open Days – see p156-7

Other open days and events can be found at www.cam.ac.uk/ugevents.

Related courses

Design	62
Engineering	69
History of Art	80
Land Economy	84

Course outline

Usually, you are taught in our studio – where you have your own dedicated design space – two days a week, during which you are set projects that require you to produce models and drawings to communicate your ideas. You are supervised on studio work in individual tutorials and group critical reviews, which encourage you to explore different approaches and develop essential design skills. The resulting portfolio accounts for 60 per cent of your overall marks each year.

The Department covers the costs of materials and printing.

Lectures, classes and visits to completed buildings or buildings under construction/restoration cover the rest of the curriculum. In addition to the two studio days, in the first year you typically attend six or seven lectures each week; and one or two classes and two or three small-group supervisions each fortnight. The small course aims to provide a supportive and friendly environment.

Year 1 (Part IA)

The studio work introduces the possibilities of architecture, with an emphasis on understanding and developing proficiency in traditional modes of architectural representation – models, collage, perspectives, elevations, plans and sections. You also master basic CAD skills, used in studio presentations. A compulsory study trip abroad usually takes place during the Easter vacation.

You take five lecture courses:

- Introduction to Architectural History/Theory (pre-1800)
- Introduction to Architectural History/Theory (post-1800)
- Fundamental Principles of Construction
- Fundamental Principles of Structural Design
- Fundamental Principles of Environmental Design

All assessment is through coursework.

Year 2 (Part IB)

You choose from various options for studio work, with projects ranging in scale from mapping studies and interior interventions, to reasonable-sized buildings. Emphasis is on integrating the technical skills learnt in Part IA and in the ongoing Part IB lectures with your studio output.

In addition, you take five lecture courses that build on your Part IA knowledge:

- Studies in History and Theories of Architecture, Urbanism and Design (two papers, one studied in Michaelmas Term and one in Lent Term)
- Principles of Construction
- Principles of Structural Design
- Principles of Environmental Design

Assessment is through coursework.

Year 3 (Part II)

You choose from three studio options that vary in approach but all require you to produce a building design at the end of the year, the technical realisation of which is allied to a coherently framed conceptual approach.

Four courses, all examined entirely by coursework, carry 20 per cent of your overall marks:

- Advanced Studies in Historical and Theoretical Aspects of Architecture and Urbanism
- Management, Practice and Law
- Advanced Studies in Construction Technology, Structural Analysis and Environmental Design Related to Case Studies
- Architectural Engineering

A written dissertation of 7,000-9,000 words on a topic of your choice accounts for the remaining 20 per cent of your marks.

[1] Please note that St Catharine's may be accepting students for 2024 entry. Visit the course page on the website for updates.


株式会社加島映画
加島和彦
株式会社塚本組
代表取締役 塚本 武
高槻給食株式会社
大阪市西区靱本町二丁目四番一号
名古屋市守山区大森四一一〇五
株式会社三鶴工業所
代表取締役 浜辺国造
植田哲司
平成二十年六月吉日建之

www.ames.cam.ac.uk ug_progadmin@ames.cam.ac.uk 01223 335105

Asian and Middle Eastern Studies

You do not need prior knowledge of the languages or cultures of East Asia or the Middle East to study them at Cambridge but you do need imagination, determination, curiosity and a sense of adventure.

Broaden your horizons

Our course explores contemporary global cultures through the in-depth study of language, culture and history, giving you knowledge and practical skills that can be used in many careers. The areas you can study in the Asian and Middle Eastern Studies (AMES) course stretch from Japan in the East to Morocco in the West, and from classical times to the present day.

Discover global cultures

AMES courses are very flexible and offer numerous options and combinations through which to pursue your interests. You do not need to have studied Asian or Middle Eastern subjects at school, so the best preparation is for you to explore yourself what interests you about the language and culture you choose to study.

- **Chinese** gives you China in its own words. You encounter a sophisticated civilisation and the most vibrant economy in the world today. You delve into its 3,500 years of recorded history, literature and philosophy to understand how they shaped the tumultuous changes of modern times, and to engage with contemporary society.
- **Japanese** opens the door to one of the world's most dynamic societies, rooted in a vibrant cultural history while also a leader in industry, technology and popular culture. On our course you gain unrivalled mastery of Japanese while developing in-depth understanding of Japan's history, literature, society and politics.
- **Arabic** is the native language of around 200 million people in the Middle East and North Africa. It is the sacred language of Islam and a language of medieval high culture, whose scientific and philosophical works helped kick-start the Renaissance. Our course gives you access to this heritage and to the modern societies and cultures nurtured by it.
- **Hebrew** is the language of the Old Testament, medieval Jewish culture and the modern state of Israel. Our course offers classical (Biblical) and/or modern Hebrew and its literature, and the history and culture of Israel and the modern Middle East. You can also study Aramaic.
- **Persian** is the language of modern Iran and variants of it are also spoken in Tajikistan and Afghanistan. It was one of the major languages of the pre-modern Islamic world and has a world famous poetic and literary tradition and a vibrant contemporary culture which our course will introduce you to.

"Being introduced to so many ways of thinking about history and culture taught me not only to look beyond popular stereotypes of the Middle East but also to examine how and why they were constructed. I gained a more complex understanding of the richness and dynamism of the region, in both its past and present."

Jason

www.ames.cam.ac.uk ug_progadmin@ames.cam.ac.uk 01223 335105

Flexibility: our range of options

Chinese and Japanese are only offered as single subjects and cannot be combined with another language. However, students will have the option to take Korean in Year 2 and continue in Year 4. Under certain circumstances it may also be possible to combine Chinese and Japanese in Part II.

Arabic, Hebrew and Persian can be combined with each other or with a modern European language which you have studied to A Level/IB Higher Level or equivalent. Arabic and Hebrew can also be taken as single subjects. Persian must be combined with another Middle Eastern or European language in Years 1 and 2.

Students taking one of the Middle Eastern languages will have the option to study Hindi from Year 2 or Sanskrit in Year 4.

You will be asked to indicate which language(s) you are interested in studying as part of the application process.

Our teaching

Knowledge of the language(s) is central to our course. Part I (Years 1 and 2) gives a strong grounding, and in Part II (Years 3 and 4) you study at an advanced level enabling you to speak fluently and read confidently by the end of Year 4. Alongside the language(s), there's a wide range of topics on offer including history, literature, religion, anthropology, linguistics and cinema (depending on your chosen subject area).

Living and learning abroad

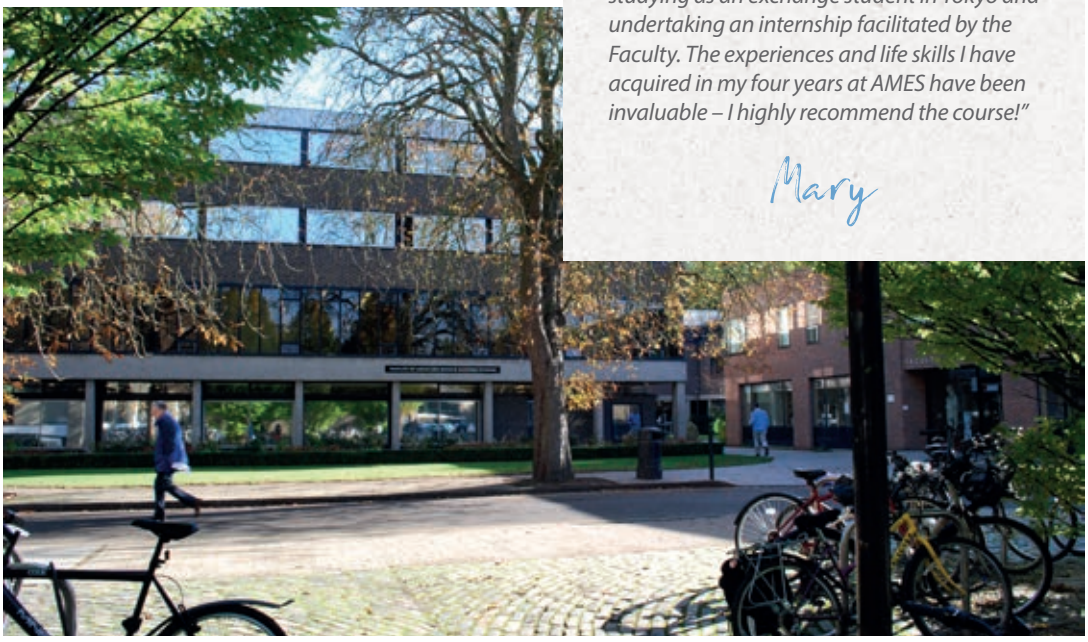
The third year is spent abroad – a fantastic opportunity to immerse yourself in the culture you are studying and improve your language skills. Chinese and Japanese students study at a Faculty-approved university in the appropriate country. Japanese studies also offers some internship opportunities. Students of Arabic, Persian and Hebrew have some choice of which country they go to and what they do. Students generally take a Faculty-approved language course or study at a local university, and some combine this with voluntary work.

Versatility: your choice of careers

The range of career options open to AMES graduates is vast and many use their subject directly in subsequent employment. Career choices include the media, business and commerce, the Civil Service (especially the Foreign Office), tourism, teaching overseas, academia and NGOs. Our graduates have also gone into banking, marketing and law. Even if you choose not to stay in a related field, employers are often impressed by your choice to study a difficult language.

"Gaining such a strong foundation in Japanese language in the first two years of my degree gave me the confidence to take full advantage of my year abroad in Japan, studying as an exchange student in Tokyo and undertaking an internship facilitated by the Faculty. The experiences and life skills I have acquired in my four years at AMES have been invaluable – I highly recommend the course!"

Mary



Fact file

Duration Four years – BA (Hons)
(Year 3 spent abroad)

2022 entry Applications per place: 3
Number accepted: 54

Typical offers require

A Level A*AA
IB 40-42 points, with 776 at Higher Level

Other qualifications See p153-4

All Colleges require
A Level/IB Higher Level in the European language (if you want to combine with a European language)

Useful preparation
English (language or literature), History, a language (ancient or modern). Check our website for more information about the subjects our typical entrants have studied.

Admission assessment
Some Colleges require applicants to take a written assessment if shortlisted for interview: Cambridge College registered (see p43 and www.cam.ac.uk/assessment)

Colleges Available at all Colleges

Location
Map reference S (see p158-9)

Open days 2023
Cambridge Open Days – see p156-7

Other open days and events can be found at www.cam.ac.uk/ugevents.

Related courses

History	76
History of Art	80
Linguistics	88
Modern and Medieval Languages	97
Theology, Religion, and Philosophy of Religion	110

Course outline

Teaching is made up of lectures, seminars, language classes and supervisions – you can generally expect 12-14 hours of teaching each week.

You are generally assessed at the end of each year through written and oral examinations, and/or coursework. Some Japanese half-papers in Year 2 are assessed following the term they are taught in. Depending on your choice of language(s), you take four to six papers in Years 1, 2 and 4, including a dissertation of 12,000 words in your final year. You spend Year 3 abroad. See the website for full course details.

If you combine a Middle Eastern with a European language, you study both roughly equally in Year 1 but after that you can balance them as you wish. If you combine both to Year 4, you spend Year 3 in the Middle East.

Years 1 and 2 (Part I)

In Year 1 (Part IA), you study your chosen language(s) intensively, in both written and spoken forms. You take introductory papers on East Asia or the Middle East, depending on the language(s) that you are studying.

In Year 2 (Part IB), you continue to study your chosen language(s). Classical language is compulsory for those taking Chinese or Japanese (for one term in Japanese) and you also choose from a number of optional papers, some borrowed from other courses. In Japanese, this includes half-papers (one-term-long papers) to allow for even greater choice. The topics offered vary from year to year but currently include:

- Chinese – dynastic and modern China, Chinese thought, Chinese literature, classical Chinese, popular culture, Chinese religions, globalisation in China, cinema, linguistics, Korean
- Japanese – Classical Japanese, pre-modern and modern Japanese history, pre-modern and modern Japanese literature, Japanese society, Japanese politics since 1945, cinema, linguistics, Korean, Korean politics
- Arabic, Hebrew, and Persian – literature (Arabic, Hebrew, Persian), classical Islamic civilisation, formation of the modern Middle East, the anthropology of Islam, Hebrew culture, Hindi, cinema, linguistics, Islam, Judaism

Years 3 and 4 (Part II)

In Year 3, you spend at least eight months abroad developing your language skills and deepening your understanding of the culture that you are studying.

In Year 4, you write a dissertation and take four further papers, including at least one advanced language paper. You choose your other papers from a list of specialist options, some borrowed from other courses. The topics offered vary from year to year but currently include:

- Chinese – early and Imperial China, China during the second world war, modern Chinese literature, pre-modern Chinese literature, contemporary Chinese society, Chinese linguistics, China in the International Order, Chinese religions, Korean
- Japanese – Classical Japanese, contemporary Japanese society, Japanese politics and international relations, pre-modern and modern Japanese history, pre-modern and modern Japanese literature, Korean
- Arabic, Hebrew, and Persian – classical and/or modern literature (Arabic, Hebrew and Persian), empires of the Persianate world, imperialism and Islamic law, pre-modern Islamic cities, the invention of Israeli culture, Semitic linguistics, Sanskrit, Hindi, Islam, Judaism

www.ceb.cam.ac.uk admissions@ceb.cam.ac.uk 01223 748999

Chemical Engineering and Biotechnology

Chemical engineers design industrial processes that convert raw materials into valuable products. Biotechnologists use living systems and organisms to make valuable products. The need for sophisticated products and sustainable processes means chemical engineers and biotechnologists are in great demand.

Chemical Engineering and Biotechnology at Cambridge

Our course concentrates on the scientific principles that underpin the discipline. These principles are essential to develop processes and products that address some of the problems currently facing humanity. These include the energy transition away from fossil fuels, the need for sustainable food and water supplies as climate change occurs, and the provision of improved global healthcare solutions and therapeutics.

The aim of our course is to produce graduates who meet the needs of today's process and biotech industries by providing a thorough understanding of the subject, technical competence and transferable skills. The underlying theory is complemented by projects that teach process and product design for chemical engineering and biotechnology.

Teaching and facilities

Our Department enjoys a reputation for excellence in its teaching and research, regularly topping national league tables. The Department's purpose-built building features the highest quality teaching and research facilities.

Qualifications and accreditation

It is possible to graduate with a BA degree after three years. However, virtually all students stay for the fourth year leading to the BA and MEng degrees. The four-year course is accredited by the Institution of Chemical Engineers, meaning that after graduation you can apply for Chartered Engineer status once you have four years of relevant experience, without taking further exams. Progression to the fourth year and accreditation are dependent on satisfactory performance.

After Cambridge

Within chemical engineering and biotechnology, there are many well-paid career opportunities. Graduates might work as engineers or scientists in industry, form part of research teams, or occupy management positions. The wide variety of skills acquired also provides career opportunities outside the discipline. Previous graduates have worked in industry, in finance or management consultancy, or gone on to take higher degrees.

"The course is interesting and well structured, the staff are friendly, and the department building is filled with state-of-the-art teaching and research facilities. I could not have chosen a better degree."

Alex

Fact file

Duration Four years – MEng

2022 entry Applications per place: 8
Number accepted: 40

Typical offers require

A Level A*A*A
IB 40-42 points, with 776 at Higher Level

Other qualifications See p153-4

All Colleges require A Level/IB Higher Level Mathematics[1] and Chemistry

Some Colleges require A Level/IB Higher Level in a third science/mathematics subject.

Check our website for more information about the subjects our typical entrants have studied.

Admission assessment
Written assessment: pre-registration required (see p43 and www.cam.ac.uk/assessment)

Colleges Available at all Colleges except Corpus Christi

Location
Map reference W (see p158-9)

Open days 2023
Cambridge Open Days – see p156-7

Other open days and events can be found at www.cam.ac.uk/ugevents.

Related courses

Engineering	69
Natural Sciences	103

Course outline

You are taught primarily through lectures, which are supported by projects, laboratory classes, supervisions and coursework.

In a typical week students attend 10 lectures and have two supervisions. In the first two years there is significant laboratory work, while the amount of project work increases each year.

Assessment is by a combination of written examinations and coursework.

Year 1 (Part IA)

You study:

- Fundamental scientific topics such as cell biology, materials science and engineering principles.
- Introductory chemical engineering and biotechnology principles such as sustainability, process calculations, fluid mechanics, and chemical and biochemical product design.
- Chemistry from Part IA of the Natural Sciences Tripos (p103).
- Mathematics from Part IA of the Natural Sciences Tripos.

You also undertake an engineering design and manufacturing workshop, and do the chemistry practical laboratory class from Part IA of the Natural Sciences Tripos.

Year 2 (Part IB)

You study:

- Fundamental principles such as biotechnology, process thermodynamics, fluid mechanics and heat and mass transfer.
- Introductory applications such as reaction engineering, separations and solids processing.
- Supporting topics such as engineering mathematics, data science, and safety principles.

You also take laboratory classes in chemical engineering and biotechnology, undertake assessed short projects and have classes in computing skills including process simulation.

Year 3 (Part II)

In the first term, you study further applications such as advanced biotechnology, equilibrium thermodynamics, reaction engineering, separation technology and process dynamics and control.

In the second and third terms, you study process design and undertake a design project. This involves working in a team to design a plant making a particular chemical or biological product. You consider all aspects of engineering design including specification of equipment, control procedures, safety, environmental impact and economic assessment.

Year 4 (Part III)

You study some compulsory topics; these are currently energy technology, sustainability and advanced design.

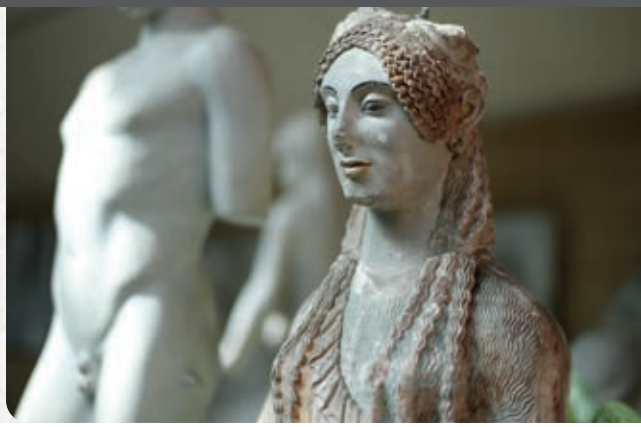
You study research skills and undertake a research project. This might involve experimental, theoretical and/or computational work. Some projects support ongoing Department research, while others are 'blue sky' investigations leading to new research programmes.

You choose further topics from a list of optional papers, which changes every year to reflect the research interests of academic staff. Past examples include pharmaceutical engineering, adsorption and nanoporous materials, fluid mechanics and the environment, interface engineering, optical microscopy, biophysics, bionanotechnology, biosensors and bioelectronics, and healthcare biotechnology.

[1] IB applicants are expected to take IB Higher Level 'Analysis and Approaches' for this course. If this option is not available at your school, please contact the College you wish to apply to for further advice and guidance.

www.classics.cam.ac.uk schools.liaison@classics.cam.ac.uk 01223 335151

Classics



Classics at Cambridge combines many disciplines and perspectives in the study of Greek and Roman Antiquity. The Greek and Roman world is studied here as a period in the past and through the receptions of classical culture, language, philosophy and art both historically and in the present day.

Classics at Cambridge

Our course encompasses the history, culture, archaeology, art, philosophy and linguistics of classical antiquity and the study of original texts and artefacts. You can either specialise in a particular field or retain the breadth with which the course starts.

The Faculty of Classics has an exceptional reputation for teaching and research.

The courses

Classics at Cambridge is open to all in equal measure. We welcome and support students with no ancient language experience whatsoever as well as students who have started Greek and/or Latin before university.

We offer a four-year course and a three-year course. The four-year course is for those with little or no Latin, and offers a preliminary year which focuses on Latin language and Roman culture. Years 2, 3 and 4 are identical to the three-year course.

The three-year course is usually for students with A Level/IB Higher Level Latin or equivalent (regardless of whether they have Greek). We offer an intensive ancient Greek programme for those with little or no Classical Greek.

If you have A Level/IB Higher Level (or equivalent) Classical Greek but not Latin, you may be advised to take the four-year degree (depending on circumstances – please contact the Faculty at **access@classics.cam.ac.uk** or a College admissions office for guidance).

Facilities and resources

The Faculty's facilities include a well-stocked library and our own Museum of Classical Archaeology. In addition, you have access to the holdings of the Fitzwilliam Museum, where some classes take place. There's a thriving student society, and the renowned Cambridge Greek Play (produced in the original language) is regularly staged by a professional director. We also offer various undergraduate prizes, bursaries and travel grants.

Careers

Studying Classics will help you develop transferable skills that are essential for many careers after graduation. Our students are hard-working, articulate, accurate and efficient, take new tasks in their stride and can master situations intelligently.

Some graduates go into research and teaching in schools and universities, or work in libraries and museums. However, most go into other careers – in law, the media, accountancy, the Civil Service, industry and business. Our graduates include bankers, barristers, solicitors, actors, musicians and theatrical artistic directors.

"The Classics course has a unique mix of breadth and depth. I can go from learning about how art was used as political propaganda to translating Plato in the same morning! Being supported in learning both Latin and Greek from scratch has given me lots of transferable skills and a real sense of accomplishment."

Sarah

Fact file

Duration Three or four years – BA (Hons)

2022 entry Applications per place: 2
Number accepted: 90

Typical offers require

A Level A*AA
IB 40-42 points, with 776 at Higher Level

Other qualifications See p153-4

THREE-YEAR COURSE

All Colleges require
A Level/IB Higher Level Latin (A Level/IB Higher Level Classical Greek may be accepted as a substitute at some Colleges)

FOUR-YEAR COURSE

No specific subjects required by any Colleges

Useful preparation Classical Civilisation, English (language or literature), History, a language (ancient or modern). Check our website for more information about the subjects our typical entrants have studied.

Admission assessment
Written assessment: Cambridge College registered (see p43 and www.cam.ac.uk/assessment)

Colleges

Available at all Colleges

Location

Map reference S (see p158-9)

Open days 2023

Cambridge Open Days – see p156-7

Other open days and events can be found at www.cam.ac.uk/ugevents.

Related courses

Archaeology	48
English	72
History	76
History of Art	80
Linguistics	88
Philosophy	106

Course outline

During Part IA and Part IB, you have an average of eight to 10 lectures a week, and language classes as needed. You also have at least two supervisions a week in which you discuss your work.

In Part II, you may have Faculty seminars as well as lectures, while your College supervisions give you the opportunity to research essay topics of your choice in depth.

Assessment is by end of year exams, although in Part II you can substitute an exam for a dissertation.

Preliminary Year (four-year course)

You learn to read Latin confidently through language study and the reading of texts from the Roman world. You also study Roman literature, two disciplines in preparation for IA, submit an essay for assessment, and start work on Ancient Greek.

Year 1 (Part IA)

Written texts are a major source of evidence for classical antiquity. In IA, you study texts in the original Greek and Latin from the most familiar periods of ancient literature by central authors such as Homer, Euripides, Plato, Virgil, Ovid and Cicero.

You also study elements of ancient history, archaeology, art, philosophy, philology and linguistics as well as modern usages of the classical tradition, to build the broadest possible understanding of the ancient world and our relationship to it. Reading and language classes directed by specialist language teachers, as required, extend your knowledge of the ancient languages. End of year exams test your linguistic and literary comprehension as well as your essay writing skills. You also submit two coursework essays for assessment. Your language exams will be adapted to take into account your language ability when you started the course so that your results accurately reflect your progress over the course of the year.

Year 2 (Part IB)

A choice of papers is offered. Two are compulsory:

- Greek translation
- Latin translation

The remaining papers are chosen from a range of subject areas:

- Greek Literature
- Latin Literature
- Greek Philosophy
- Greek and Roman History
- Classical Art and Archaeology
- Classical and Historical Linguistics

End of year exams test your linguistic and literary comprehension as well as essay writing skills. You also submit a number of coursework essays for assessment. Further optional papers on prose or verse composition in both languages are available if you wish to develop your confidence and creativity in manipulating language. For language exams, different streams are adapted to different entry levels to make sure results reflect the progression made over the course of the year.

Year 3 (Part II)

You can specialise within one discipline (eg archaeology) or construct a wide-ranging course particular to your individual strengths and interests. You choose four papers from a broad range of options, including:

- literature, eg Women and Greek Literature
- philosophy, eg Beauty
- history, eg Slavery in the Greek and Roman Worlds
- art and Archaeology, eg Beyond Classical Art
- historical Linguistics, eg Greek in the Bronze Age
- a multidisciplinary paper, eg Gods of Greece and Rome
- papers from another degree course

At the end of the year, you take exams in these subjects or you can substitute one paper with a dissertation on a subject of your choice within the field of Classics. Past dissertations have covered:

- cross-dressing in antiquity
- modern receptions of Sappho
- Milton as a Latin poet
- gods in Pindar
- Greek tragedy and politics
- Classics and videogames
- Roman statues and canons of beauty
- Indo-European poetics
- the nature and role of pleasure in human life
- urbanism in Roman Egypt

www.cst.cam.ac.uk undergraduate.admissions@cst.cam.ac.uk 01223 763505 or 01223 334420

Computer Science

Computer science is a fast-moving field that brings together disciplines including mathematics, engineering, the natural sciences, psychology and linguistics. Our course provides you with skills highly prized in industry and for research.

Computer Science at Cambridge

Cambridge was a pioneer of computer science and continues to lead its development. There are more than 1,000 specialist computing and advanced technology companies and commercial laboratories in the area (known as 'Silicon Fen'). A number of local firms and start-ups support our teaching and employ our graduates, in areas from chip design to mathematical modelling and AI.

Our course is broad and deep – giving you the skills to create future technology. All aspects of modern computer science are covered, along with the underlying theory and foundations in economics, law and business. You also develop practical skills, such as programming (in various languages, eg OCaml, Java, C/C++, Prolog) and hardware systems (eg chip design).

Facilities and work experience

Our students benefit from the Department's cutting-edge research and extensive facilities. The purpose-built Department of Computer Science and Technology is packed with the latest technology, advanced lecture theatres and dedicated practical rooms.

Group projects during the course, where small teams of students deliver a product to an external client, ensure relevant industrial experience. Projects can lead to commercialisation, licensing or employment.

Careers

Our graduates' knowledge and skills embody principles which will outlast today's technology, making them highly sought after by industry and commerce alike.

Many of our graduates go on to work as programmers or software development professionals, with others pursuing further study and careers in teaching and research. Many have also founded companies or gained employment in software, hardware, the games industry, finance, communications and commerce.

To get an idea of what's currently on offer to our graduates, visit: **www.cst.cam.ac.uk/supporters-club**.

"It's everything I could ask for. Meeting such a diverse set of people who are all just as passionate about having fun solving problems and working hard. It's something you can't truly appreciate until you get here and experience it yourself."

Dan

Fact file

Duration Three years – BA (Hons)
Four years – MEng

2022 entry Applications per place: 12
Number accepted: 136

Typical offers require

A Level A*A*A
IB 40-42 points, with 776 at Higher Level

Other qualifications See p153-4

No prior knowledge of programming required

All Colleges require
A Level/IB Higher Level Mathematics[1]

Further guidance
A Level Further Mathematics is very strongly encouraged. If unavailable or you've recognised its desirability too late, we'd advise you to do as much additional pure maths and decision maths as possible, eg by studying Further Mathematics AS Level, or by using online resources covering advanced material. Good performance in maths competitions can be a positive aspect of an application.

Check our website for more information about the subjects our typical entrants have studied.

Admission assessment
TMUA: pre-registration required (see p43 and www.cam.ac.uk/assessment)

Colleges Available at all Colleges

Location
Map reference W (see p158-9)

Open days 2023
Cambridge Open Days – see p156-7

Other open days and events can be found at www.cam.ac.uk/ugevents.

Related courses

Engineering	69
Linguistics	88
Management Studies	116
Natural Sciences	103

Course outline

Teaching is provided through lectures, practical classes and supervisions. In Year 1, you can typically expect 20 hours of teaching every week, including up to 12 lectures and practical classes.

In Years 1 and 2, assessment is currently by three-hour examinations taken in the final term of each year. In Year 3, students are assessed by coursework and three-hour examinations. Practical work is undertaken and assessed in all years of the degree programme.

It is suggested that successful applicants should do some preparatory reading before they start the course. There is also an online pre-arrival course which successful applicants can complete before the start of the first term if they wish, however this is not mandatory. Students will be sent details after their place is confirmed.

Year 1 (Part IA)

You take four papers, including three compulsory Computer Science papers – covering topics such as foundations of computer science (taught in OCaml), Java and object-oriented programming, operating systems, digital electronics, graphics and interaction design – and the Mathematics paper from Part IA of Natural Sciences (www.natsci.tripos.cam.ac.uk).

Year 2 (Part IB)

You take four papers, spanning core topics:

- theory – including logic and proof, computation theory
- systems – including computer architecture, computer networking
- programming – including compiler construction, programming in C/C++
- human aspects – including human computer interaction, artificial intelligence

You also undertake a group project that reflects current industrial practice.

Year 3 (Part II)

You choose from a large selection of topics which allows you to concentrate on an area of interest to you, such as computer architecture, applications (including bioinformatics and natural language processing) or theory. New topics inspired by current research interests include computer architecture, data science and robotics.

All students also work on a substantial project demonstrating their computer science skills, writing a 10,000-12,000 word dissertation on it. Projects are often connected with current Cambridge research and many utilise cutting-edge technology.

Year 4 (Part III, optional integrated Masters)

The fourth year is designed for students considering a career in academic or industrial research. You explore issues at the very forefront of computer science and undertake a substantial research project.

Progression to Part III is dependent on Part II examination achievement. Successful completion of Part III leads to the MEng qualification, as well as the BA degree attained at the end of Part II.

[1] IB applicants are expected to take IB Higher Level 'Analysis and Approaches' for this course. If this option is not available at your school, please contact the College you wish to apply to for further advice and guidance.

www.arct.cam.ac.uk/courses/undergraduate/design

Design

Integrating the arts and sciences, the Design course will challenge you to think about global problems such as climate change and give you the skills to help create solutions to them.

Design at Cambridge

The Architecture Department offers two courses: Architecture (p50) and Design. Design combines architecture, engineering and materials science in one degree, giving you the opportunity to design solutions to environmental and societal challenges. You will learn how small and large-scale designs such as physical objects, apps, artificial intelligence, electronics or architecture and planning systems can influence people, cultures, economies and the natural world.

The course is structured around a series of core studio projects which will require you to create solutions to real-world problems: from planning stage through to pitching a final product and evaluating user impact. For most projects, you will be working with stakeholders such as clients, end-users and suppliers. Outside of the studio, you will learn about related subjects including design history, philosophy, mathematics, engineering and natural sciences, which will then be applied to your design projects.

Based in the Department of Architecture, you will have access to a variety of facilities such as workshops, studios, reprographics, flexible co-working spaces and a new digital fabrication lab.

Qualifications and accreditation

Students can graduate with a BA (Honours) degree after three years, but most will continue to the fourth year (Part IIB) to graduate with a BA and a Master of Design (MDes). The course is seeking accreditation from professional associations including the Architects Registration Board and the Engineering Council. Accreditation would lead to exemption from RIBA Part 1 for architecture, and a route to Chartered Engineer status (CEng) for engineering. Please note that accreditation has not yet been confirmed for 2024 entry.

Beyond Cambridge

The interdisciplinary focus of Design means that you will gain the knowledge and skills to be a leader in a range of technical and creative sectors. Depending on the route you take throughout the course, you could pursue a wide variety of careers, from working in manufacturing, to joining the design sector, to starting an entrepreneurial journey. You could also choose to continue to a PhD in a particular area of the course that interests you, such as emerging materials. If you would like to develop your professional skills during your degree, optional paid industrial or research summer programmes will be available each year in a variety of different fields.

This is a new course for 2024 entry and this information is subject to change. Students should refer to the Undergraduate Study website for the most up-to-date information both before making an application and again before they accept an offer should their application be successful.

Fact file

Duration Four years – MDes

2022 entry
This is a new course for 2024 entry.

Typical offers require

A Level A*AA
IB 40-42 points, with 776 at Higher Level

Other qualifications See p153-4

Applicants are expected to submit a PDF portfolio of recent work at application and discuss it at interview.

All Colleges require
A Level / IB Higher Level Mathematics

Admission assessment
Written and practical assessment: Cambridge College registered (see p43 and www.cam.ac.uk/assessment)

Colleges Available at all Colleges except Hughes Hall and St Catharine's[1]

Location
Map references L (see p158-9)

Open days 2023
Cambridge Open Days – see p156-7

Other open days and events can be found at www.cam.ac.uk/ugevents.

Related courses

Architecture	50
Engineering	69
Manufacturing Engineering	117
Natural Sciences (Materials Science)	103

Course outline

Most teaching will take place in the design studio. You are assessed on studio work at the end of each term through a combination of a portfolio, presentations and coursework. These will account for 60 per cent of your overall marks each year. Your design projects will be exhibited at the end of each year.

The rest of the curriculum will include lectures, seminars, workshops, and supervisions to build on the practical and professional skills which can be used in your design projects. These account for 40 per cent of your overall marks each year, and will be assessed through coursework. Please check the website for updates on the course outline for 2024 entry.

Year 1 (Part IA)

You begin studio work with three design projects which introduce you to the core skills of design.

As well as studio work, you take five compulsory papers:

- Professional Skills I
- Materials and Fabrication I
- History and Theory of Design I
- Form and Forces I
- Mathematics and Programming I

Year 2 (Part IB)

You work on a further three projects in the studio. Briefs will be more open, require interdisciplinary engagement, and solutions will be analysed in diverse contexts of people and cultures.

As well as studio work, you take four compulsory papers:

- Professional Skills II
- Materials and Fabrication II
- History and Theory of Design II
- Form and Forces II

You also choose three further papers from a range of topics. Examples of options might include:

- Natural Materials and Structures
- Robotics, Automation and Advanced Fabrication Techniques
- Advanced Building Physics
- Internet of Things and Artificial Intelligence
- Design and Policy
- Advanced Studies in History and Theory of Architecture
- Bioinspired Design and Biomimicry
- Introduction to Data Science

Year 3 (Part IIA)

Studio projects take on greater complexity as the designs projects grow in scale. In these projects you begin to learn how to test, communicate and evaluate solutions, integrating knowledge and skills from previous years.

As well as studio work, you take one compulsory paper: Professional Skills III.

You also choose five further papers from a range of topics including those listed in Year 2.

Year 4 (Part IIB)

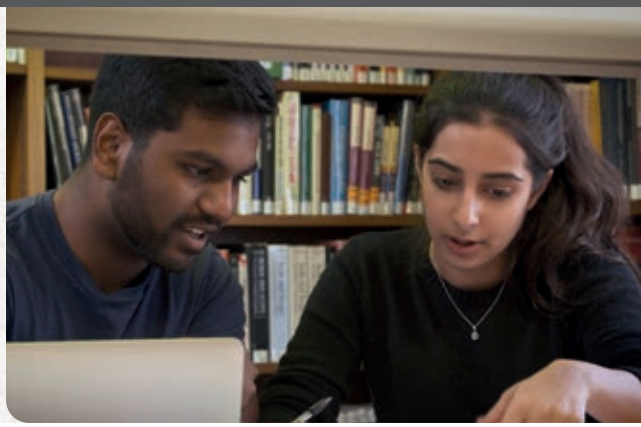
You work in the studio on a full-year design project in part with industrial partners. You also complete a dissertation project of your choice. This major independent undertaking is an opportunity to demonstrate creativity and mastery in design and at least one of the fundamental disciplines, using theoretical, experimental and/or computational methods. Both studio and dissertation projects make use of the knowledge and skills developed in Parts I and IIA.

You also take one compulsory paper: Professional Skills IV.

[1] Please note that St Catharine's may be accepting students for 2024 entry. Visit the course page on the website for updates.

www.econ.cam.ac.uk ugadmit@econ.cam.ac.uk 01223 335200

Economics



Our Economics course provides a rounded, rigorous education in economics which is valuable for a wide range of career paths.

Economics at Cambridge

Our course provides a sound understanding of core, pure and applied economics. While you study economics in considerable depth in this specialised degree, you employ ideas and techniques from many other disciplines including mathematics, statistics, history, sociology and politics. Therefore, our graduates are extremely well-qualified for a wide range of jobs and further courses.

Teaching and resources

Past and present Faculty members, such as Alfred Marshall and John Maynard Keynes, have played a major role in the subject's development and several have been awarded the Nobel Prize in Economics (Sir John Hicks, James Meade, Sir Richard Stone, Sir James Mirrlees and Amartya Sen). The present Faculty remains committed to using economics to improve public policy and recent staff have been active on, among other bodies, the Monetary Policy Committee of the Bank of England and the Competition Commission, and they advise international agencies such as the United Nations, World Bank, International Monetary Fund and Organisation for Economic Co-operation and Development.

Other benefits for Cambridge Economics students include access to an extensive range of statistical databases and software, and the Marshall Library of Economics, which holds a comprehensive collection of books, journals and other papers in economics. The student-run Marshall Society organises social events and informal lectures from distinguished visiting speakers.

Careers and research

At Cambridge, you develop skills in understanding complex arguments, analysis of practical issues and of data, and effective communication. Such skills are valuable in many careers, but particularly in professional, financial and managerial occupations. They also provide a solid foundation for numerous Masters' degree courses.

Many graduates go on to professional training in chartered accountancy, actuarial work and similar fields. Others are employed by financial institutions, or as professional economists in industry, government and management consultancy.

"I love the Economics course here – from history and politics to game theory and econometrics, the course hones both your quantitative and qualitative skill sets. You don't just learn economics but, far more valuably, how to think critically like an economist."

Farid

Fact file

Duration Three years – BA (Hons)

2022 entry Applications per place: 10
Number accepted: 151

Typical offers require

A Level A*A*A
IB 40-42 points, with 776 at Higher Level

Other qualifications See p153-4

All Colleges require A Level/IB Higher Level Mathematics[1]

Further guidance We advise you to do as much additional mathematics as possible. Please see **www.econ.cam.ac.uk/apply/ba-economics/course-requirements** for further information.

Check our website for more information about the subjects our typical entrants have studied.

Admission assessment
TMUA: pre-registration required (see p43 and **www.cam.ac.uk/assessment**)

Colleges Available at all Colleges except Newnham and Wolfson

Location

Map reference S (see p158-9)

Open days 2023

Cambridge Open Days – see p156-7

Other open days and events can be found at **www.cam.ac.uk/ugevents**.

Related courses

Geography	74
History	76
Land Economy	84
Management Studies	116
Mathematics	90

Course outline

Teaching is provided through lectures, classes and supervisions and you can expect between 10 and 15 lectures each week in the first year.

Assessment is mainly through formal written examinations that take place at the end of each year and the compulsory dissertation in Part IIB. Typically, you have one three-hour exam for each paper covered that year. In Part I, the British Economic History paper is assessed via an exam paper and a project. There is also a project within the Econometrics paper in Part IIA, as well as essay work for the History and Philosophy of Economics paper.

Year 1 (Part I)

Part I provides an introduction to the subject, a common core of knowledge which can subsequently be extended. There are five compulsory papers:

- Microeconomics
- Macroeconomics
- Quantitative Methods in Economics
- Political and Social Aspects of Economics
- British Economic History

Through these papers you cover topics such as supply and demand, the role of prices and markets, employment, inflation, the operation of financial institutions and monetary policy. The Quantitative Methods paper provides an introduction to the use of mathematical and statistical techniques in economics, and is assessed by a written exam.

Year 2 (Part IIA)

Part IIA consists of three compulsory papers:

- Microeconomics
- Macroeconomics
- Theory and Practice of Econometrics I

You also take one optional paper, chosen from:

- International Trade and Development
- Mathematics and Statistics for Economists
- Labour
- Modern Societies
- The Modern State and its Alternatives
- International Conflict, Order and Justice
- History and Philosophy of Economics (also available as an optional paper in Part IIB)

Through these papers you acquire knowledge and an understanding of a range of key topics and analytical techniques in microeconomic and macroeconomic theory, develop knowledge of key econometric techniques, and learn the IT skills needed to undertake a project in applied econometrics.

Year 3 (Part IIB)

The final year consists of two compulsory papers:

- Microeconomic Principles and Problems
- Macroeconomic Principles and Problems

In addition, you take two optional papers and write a compulsory dissertation of 7,500 words.

One of the objectives of the final year is to extend your knowledge of economic theory and train you to apply this theory to practical issues and public policy. Therefore, the optional papers available can vary from year to year but recent examples include:

- Economic Theory and Analysis
- Political Economy
- Banking and Finance
- Public Economics
- The Economics of Developing Countries
- Industry
- Theory and Practice of Econometrics II
- Global Capitalism
- British and European Politics
- History and Philosophy of Economics (also available as an optional paper in Part IIA)

[1] IB applicants are expected to take IB Higher Level 'Analysis and Approaches' for this course. If this option is not available at your school, please contact the College you wish to apply to for further advice and guidance.

www.educ.cam.ac.uk/courses/undergrad outreach@educ.cam.ac.uk 01223 767600

Education

The Education degree is a flexible interdisciplinary programme which allows you to explore what it means to be educated in childhood and beyond, how learning relates to different social, political and economic contexts, to the arts and the development of the human mind.

Education at Cambridge

Education is the study of human development and transformation in all its forms and contexts: from the individual mind to the social and political processes taking place within communities, institutions and global networks to the cultural encounters that shape ideas, beliefs and imaginations. Our course allows you to explore these themes across academic disciplines, or develop specialist knowledge in areas such as psychology, international development, or literature and theatre. Creativity, contemporary research and global dimensions are key to this critical understanding and the programme has a particular focus on nurturing independent, reflexive inquiry through the development of critical research skills.

Facilities and resources

The Faculty of Education has excellent resources and facilities within a purpose-built building designed to support teaching, learning and research. There is a library that houses an extensive collection of material on education and related fields. Active research forms the foundation of our teaching, so you're taught by academics at the forefront of their fields, who specialise in cutting-edge research.

Further study and professional qualifications

Our course provides excellent preparation for a wide range of Masters' and doctoral research programmes, both at Cambridge and elsewhere.

Alternatively, for those intending to teach, the course provides a foundation from which to proceed to initial teacher training in primary education.

After Cambridge

The career options for graduates are extremely varied and they find employment in a wide range of occupations in the UK and abroad. As well as further study and teaching, our students have gone into research, educational psychology and neuroscience, publishing and the Civil Service. Others now work in government policy and administration, the media, theatre, heritage and museum education, HR, business and consultancy, charities and NGOs, and international development.

"Education offers the opportunity to join an academic community with a broad range of interests that go far beyond the classroom: from children's literature, to policy, to the power of play – there's always something new to encounter!"

Chloe

Fact file

Duration Three years – BA (Hons)

2022 entry Applications per place: 7
Number accepted: 41

Typical offers require

A Level A*AA
IB 40-42 points, with 776 at Higher Level
Other qualifications See p153-4

No specific subjects required by all Colleges

Useful preparation Any combination of subjects, which could include arts, humanities, sciences or social sciences, but at least one essay-based subject is recommended. Check our website for more information about the subjects our typical entrants have studied.

Admission assessment
Some Colleges require applicants to take a written assessment if shortlisted for interview: Cambridge College registered (see p43 and www.cam.ac.uk/assessment)

Colleges Available at all Colleges except Corpus Christi, Girton, King's, Murray Edwards, Peterhouse, St Catharine's, Sidney Sussex, Trinity and Trinity Hall

Location

Map reference N (see p158-9)

Open days 2023

Cambridge Open Days – see p156-7

Other open days and events can be found at www.cam.ac.uk/ugevents.

Related courses

English	72
Geography	74
History	76
Human, Social, and Political Sciences	82
Psychological and Behavioural Sciences	108

Course outline

This interdisciplinary course offers a broad, compulsory introduction in year one, followed by the opportunity to select papers across a range of disciplines, or to focus more closely on a particular area of education you may be interested in exploring in more depth.

You attend approximately four to six lectures and seminars, and one or two hours of supervision per week.

You are assessed at the end of each year. Depending on the papers studied, this will be through practical work, coursework, written examination, or a combination of these. In the third year, all students also submit a dissertation.

Year 1 (Part I)

You take four compulsory papers which together will deepen your understanding of the multifaceted nature of education in societies across time and place. Each paper will draw on diverse and global perspectives guided by specific disciplinary practices:

- historical/philosophical
- psychological
- sociological
- arts and performance

Topics covered will range from things such as sociocultural and neuroscientific approaches to human development, global justice, the educational institutions of the Islamicate world, to issues of gender inequalities in schools and universities, to the theatre of the absurd and ecological crisis. These will provide a strong foundation to support you in a range of more specialist options in Part II.

Year 2 (Part IIA)

In Year 2, you take four papers. Two are compulsory, and are designed to provide you with the foundations of Education research, in preparation for the dissertation in Part IIB.

- Designing Educational Research
- Dissertation: Literature Review

You will then choose two further papers from a list designed to build on the core foundations provided in Part I. You will have the opportunity to design your own pathway, which can be pursued further in Part IIB. You may choose to specialise, for example in psychology, literature or international development. Alternatively, you may select papers which allow you to pursue your interests across a range of disciplines. For examples of the papers which may be offered, please see Part IIB.

Year 3 (Part IIB)

In Year 3, you take four papers: a compulsory dissertation of 8,000 to 10,000 words which will allow you to pursue a research project into a relevant area of particular interest to you, and three further papers from a list of options, again designed to give you the flexibility to pursue your interests in education, whether these are specialist or more general. Examples of papers which may be offered include:

- Language, Communication and Literacies
- Children's Literature
- Modernity, Globalisation and Education
- Theatre: Text and Production
- Education, Neuroscience and Society
- Formal and Informal Contexts of Learning
- Changing Landscapes of Childhood and Youth: History, Experience and Culture
- Critical Debates in Education and International Development
- Case Studies in Education, Policy and International Development
- Towards a Transnational Sociology of Education: Space, Power and Politics
- Play, Creativities and Imagination
- International Literatures and Cultures
- Performance, Education and Society


NEWALL

www.eng.cam.ac.uk ugrad-admissions@eng.cam.ac.uk

Engineering

Engineering is about designing processes and making products to solve real-world problems. Our course enables you to develop your engineering knowledge, skills, imagination and experience to the highest levels in readiness for your future career.

Engineering at Cambridge

The Cambridge course is distinctive. It allows you to keep your options open while equipping you with all the analytical, design and computing skills that underpin modern engineering practice.

Part I (Years 1 and 2) provides a broad education in engineering fundamentals, enabling you to make a genuinely informed choice about the area in which to specialise (many students change direction as a result). Part II (Years 3 and 4) then provides in-depth training in your chosen professional discipline.

Department and facilities

The Department is a leading international centre for research, consistently ranked as one of the highest achieving amongst British universities. We also have strong links with industry, with many research projects funded by industrial companies.

Our facilities are excellent: the Dyson Centre for Engineering Design provides access to traditional hand and machine tools, as well as modern computer-controlled machinery and rapid prototyping; the Design and Project Office is equipped with more than 80 workstations; and the library has 30,000 books and takes about 350 journals. The Department's Language Programme offers specialised courses at all levels in French, German, Spanish, Chinese and Japanese.

Industrial experience

You're required to complete six weeks of industrial experience by the end of the third year, obtained by deferring entry or during vacations. Our full-time Industrial Placement Co-ordinator helps deferred entrants and undergraduates to find suitable placements (in the UK and abroad) and sponsorship.

Exchange programmes

A small number of students spend their third year studying abroad through our exchange schemes with École Centrale Paris and the National University of Singapore (NUS).

Accreditation

The course is accredited by the Engineering Council and by all the major institutions, including the Institutions of Mechanical Engineers (IMechE), Engineering and Technology (IET), Civil Engineers (ICE), and Structural Engineers (IStructE), the Institute of Measurement and Control (InstMC), the Institute of Highway Engineers (IHE), the Chartered Institution of Highways and Transportation (CIHT), the Institute of Physics and Engineering in Medicine (IPEM), and the Royal Aeronautical Society (RAeS). An appropriate combination of Part II papers is required in each case.

"The students on the Engineering course are very friendly, and you get to know lots of people by working on labs together."

Liz

www.eng.cam.ac.uk ugrad-admissions@eng.cam.ac.uk

Careers

When you graduate, you're fully qualified in your chosen area, knowledgeable across the range of engineering disciplines, and able to apply new technologies in novel situations, giving you an advantage over engineering graduates from other more narrowly focused courses. Prospects are typically excellent, with 99 per cent of respondents to the Graduate Outcomes survey reporting that they are in employment or further study 15 months after graduation.[1]

Our students are in great demand and they go on to careers in all the major industrial and commercial sectors. Positions currently held by some of our graduates include Graduate Engineer, Atkins; Graduate RF Systems Engineer, Airbus Defence and Space; Consultant, TTP plc; Analyst, Goldman Sachs; Real-Time Control and Software Engineer, UK Atomic Energy Authority; Business Analyst, McKinsey & Company; and Manufacturing Engineer, Rolls-Royce plc.

Entry requirements for Engineering

All Colleges require A Level/IB Higher Level Mathematics[2] and Physics

Some Colleges require A Level/IB Higher Level in a third science/mathematics subject; STEP may be required by Peterhouse - check the College website for details (see p154)

A Level Further Mathematics is very strongly encouraged. If unavailable or you've recognised its desirability too late, we'd advise you to do as much additional pure maths and mechanics as possible, eg by studying advanced material or Further Mathematics AS Level.

All Colleges, except Trinity, welcome applications from students taking A Level Mathematics and a suitable vocational qualification, eg a BTEC Higher National Diploma in an engineering discipline. Applicants are expected to achieve the highest possible grades in A Level Mathematics and the vocational qualification. Those taking the Single Award Applied A Level in Engineering or the Principal Learning components of the Advanced Diploma in Engineering must also be taking A Levels in Mathematics and Physics.

T Levels are not considered appropriate preparation for the Cambridge Engineering degree and are therefore not accepted for entry. Applicants with a mix of qualifications should contact a College admissions office for advice.

All Colleges welcome applications from students wishing to defer entry in order to pursue an Engineering-related gap year. Some Colleges are particularly keen to support such applicants, please see the Department website for details.

Course outline

Teaching is provided through a mixture of lectures, practicals, projects and supervisions, and in Year 1 you can typically expect around 22 hours of teaching each week. You're assessed each year through coursework and written exams.

A few students graduate after three years with the BA (Honours) degree. However, most continue to the fourth year (Part IIB), successful completion of which leads to the BA and MEng degrees. Progression to Part IIB is dependent on achievement in Parts IB and IIA.

"The flexibility of the Cambridge course means you don't commit yourself to one particular area before studying them at degree level."

David

[1] Based on responses to the Graduate Outcomes survey. This records the outcomes of students who completed their studies between August 2019 and July 2020. 58 per cent of Engineering graduates responded to the survey.

[2] IB applicants are expected to take IB Higher Level 'Analysis and Approaches' for this course. If this option is not available at your school, please contact the College you wish to apply to for further advice and guidance.

Fact file

Duration Four years – MEng

2022 entry Applications per place: 8
Number accepted: 328

Typical offers require

A Level A*A*A
IB 40-42 points, with 776 at Higher Level

Other qualifications See p153-4

See box opposite for subject requirements

Check our website for more information about the subjects our typical entrants have studied.

Admission assessment
Written assessment: pre-registration required (see p43 and www.cam.ac.uk/assessment)

Colleges Available at all Colleges

Location
Map reference E (see p158-9)

Open days 2023
Cambridge Open Days – see p156-7

Other open days and events can be found at www.cam.ac.uk/ugevents.

Related courses

Architecture	50
Chemical Engineering and Biotechnology	56
Computer Science	60
Manufacturing Engineering	117
Natural Sciences	103

Year 1 (Part IA)

The broad foundation of the first two years (Part I) gives you an understanding of the basic principles of a wide range of subjects, together with an appreciation of the external pressures under which these ideas are likely to be applied.

In Year 1, you take four papers and sit a three-hour written exam in each:

- Mechanical Engineering
- Structures and Materials
- Electrical and Information Engineering
- Mathematical Methods

You also undertake several coursework activities and projects on topics including structural design, product design, presentation skills, drawing, laboratory experiments and computer programming.

Year 2 (Part IB)

You study seven papers on core subjects at a more advanced level:

- Mechanics
- Structures
- Electrical Engineering
- Information Engineering
- Materials
- Mathematical Methods
- Thermofluid Mechanics

In addition, in the third term, for an eighth component, you select two topics from seven engineering disciplines, or one engineering topic plus a language option. These topics are application-focused, emphasise engineering design and introduce the more specialised work of the third year.

Coursework includes laboratory experiments and computing exercises. Several experiments are linked around the common theme of earthquake-resistant structures. A highlight of the year is the integrated design project, a design project spanning multiple engineering disciplines, where you work in teams of six to design and build robot vehicles which are then tested against each other.

Year 3 (Part IIA)

Professional specialisation begins in earnest, and you study 10 papers from over 40 choices. Usually, six of your paper choices will be associated with one of the following disciplines:

- Aerospace and Aerothermal Engineering
- Bioengineering
- Civil, Structural and Environmental Engineering
- Electrical and Electronic Engineering
- Electrical and Information Sciences
- Energy, Sustainability and the Environment
- Information and Computer Engineering
- Instrumentation and Control
- Mechanical Engineering

Alternatively, you can choose General Engineering, in which there are fewer restrictions on paper combinations.

In addition, you take an Extension Activity (selected from several topics, including both non-technical options, such as a language course, and technical options designed to introduce you to various measurement and test procedures in your chosen professional area) and, in the final term, choose two from a variety of design and computer-based projects or projects in a foreign language.

Year 4 (Part IIB)

In Part IIB, further specialisation is possible and you select eight papers from around 80 options which vary each year. These papers benefit from the Department's research and are taught by experts in the particular field.

A major individual project occupies about half of your time. Many projects are associated with current Department research and have direct industrial input and application. Recent projects include super-tall timber high-rise design, nanotubes and graphene for polymer optoelectronics, a fitness predictor for racing cyclists, and whole-system design of tidal turbines.

www.english.cam.ac.uk english-faculty@lists.cam.ac.uk 01223 335070

English

If you have a passion for literature, we have a challenging course that will inspire you in your reading and develop your critical and imaginative abilities.

English at Cambridge

Over the centuries, many writers have studied in Cambridge: Edmund Spenser, John Milton, William Wordsworth, Samuel Taylor Coleridge, EM Forster, Sylvia Plath, Ted Hughes, Kamau Brathwaite, AS Byatt, Zadie Smith and Helen Oyeyemi. When established, the Cambridge course was considered ground-breaking, and this ethos of innovation and progress continues to shape teaching and research here.

Today's course balances a strong grounding in literary works written in English with the chance to explore other art forms, including music and film, in relation to literature, as well as literature's connections to intellectual traditions including philosophy, art history and politics.

Teaching and resources

You are taught by some of the world's most eminent critics and thinkers who, between them, have expertise in almost all aspects of literature. We have no set approach beyond instilling the valuable skills of critical thinking, scholarly rigour and good writing.

You have access to the vast resources of the University Library as well as the Faculty Library, which houses around 80,000 books and provides computer facilities, skills training and a very warm welcome. Our modern Faculty building also includes a drama studio and garden.

Socially, many English students pursue interests in creative writing, journalism and the performing arts during their time in Cambridge.

What we're looking for

English students need an intellectual curiosity which drives them to analyse new texts and ideas, and to ask probing questions. We look for reading beyond the syllabus, and for independent, well-informed critical thinking.

After English

Our students develop the skills of critical thinking, close reading and clear communication. After graduation, many draw directly on their subject and pursue careers in teaching, academia, journalism, theatre and film, or become writers, critics or campaigners.

Those same skills developed during an English degree at Cambridge are highly valued by employers in many other professions, including the Law, the Civil Service, industry, the charity sector and social work.

"When I first started studying English here, I was blown away by how varied the course is. You have the chance to be curious and read widely as you pursue your interests, even if they range well beyond what might be thought of as traditional topics."

Iulia

Fact file

Duration Three years – BA (Hons)

2022 entry Applications per place: 4
Number accepted: 185

Typical offers require

A Level A*AA
IB 40-42 points, with 776 at Higher Level

Other qualifications See p153-4

All Colleges require
A Level/IB Higher Level English Literature (A Level/IB Higher Level English Language and Literature may be accepted as a substitute at some Colleges)

Further guidance
No other specific subjects are required, however, our typical entrants usually study more academically challenging subjects (such as Mathematics or a language). Check our website for more information about the subjects our typical entrants have studied.

Admission assessment
Written assessment: Cambridge College registered (see p43 and www.cam.ac.uk/assessment)

Colleges Available at all Colleges

Location
Map reference S (see p158-9)

Open days 2023
Cambridge Open Days – see p156-7

Other open days and events can be found at www.cam.ac.uk/ugevents.

Related courses

Anglo-Saxon, Norse, and Celtic	46
Classics	58
Education	66
Linguistics	88
Modern and Medieval Languages	97
Theology, Religion, and Philosophy of Religion	110

Course outline

Teaching is provided through lectures, seminars, and small-group supervisions and classes.

You typically attend at least six hours of lectures or seminars, and two to three hours of individual, paired or small-group supervision each week.

You normally write one or two short essays per week which you then discuss with your supervisor.

You will mainly be assessed by examinations. It is possible to replace certain examinations with coursework. Prizes are awarded for the best work in each year.

Year 1 (Part IA)

You take two compulsory papers:

- Practical Criticism and Critical Practice
- Shakespeare (assessed by a portfolio of essays submitted in Easter Term)

You also start work on two of the period papers which will be examined in Part IB.

Year 2 (Part IB)

You take one compulsory paper (English Literature and its Contexts 1300-1550) and a further three papers from the following list:

- Early Medieval Literature and its Contexts 1066-1350
- English Literature and its Contexts 1500-1700
- English Literature and its Contexts 1660-1870
- English Literature and its Contexts 1830-1945 or English Literature and its Contexts 1870-Present

One of these papers (with the exception of Early Medieval Literature and its Contexts 1066-1350) can be replaced by a dissertation.

Year 3 (Part II)

You take two compulsory papers:

- Practical Criticism and Critical Practice II
- Tragedy, which ranges from ancient Greek drama to contemporary writing

You also write a compulsory dissertation (of 6,000-7,500 words) and either submit a second dissertation (of 6,000-7,500 words) and take one optional paper, or choose two optional papers. The optional papers change regularly – the following are available in 2022-23:

- Chaucer
- Medieval English Literature 1066-1500: The Medieval Supernatural
- Material Renaissance
- Lyric
- Prose Forms 1936-56
- The Ethical Imagination
- American Literature
- Postcolonial and Related Literatures
- History and Theory of Literary Criticism
- Visual Culture
- Contemporary Writing in English
- Early Modern Drama 1588-1642
- Special Period of English Literature 1847-72
- Love, Gender, Sexuality 1740-1824

Subject to certain restrictions, it is possible to take papers from the Anglo-Saxon, Norse, and Celtic; Classics; Asian and Middle Eastern Studies; or Modern and Medieval Languages courses. Further details of these papers are available on the Faculty website.

www.geog.cam.ac.uk undergraduate.enquiries@geog.cam.ac.uk 01223 333385

Geography

We live in an interdependent world caught up in chains of events which span the globe. We depend upon an increasingly fragile physical environment, whose complex interactions require sophisticated analysis and sensitive management.

A degree with global relevance

Geographers study some of the biggest challenges facing our planet, from food security, climate and biodiversity emergencies to pandemics and globalisation, and social inequalities and urbanisation to volcanoes and melting ice sheets. Our Geography course tackles these issues. You do not have to choose whether to specialise in physical or human geography as you can do both in all three years.

Facilities and resources

Our library, at the heart of the Department, contains around 20,000 books, journals and periodicals, and is also a fantastic study space. You will also work in our computer suite and physical geography labs, with some teaching taking place at the Scott Polar Research Institute, another integral part of the Department.

Fieldwork and travel

We are committed to fieldwork, a fundamental part of the course, providing an enjoyable way to develop research skills. There are one-day excursions each year, depending on your choice of papers and a compulsory field class of five to eight days in either September at the start of the second year, or in the second year Easter vacation. Recent locations include destinations in both mainland Europe and the British Isles and we are aiming to reduce the carbon footprint of these trips. Students are required to contribute to the cost of residential field trips, but the costs are very substantially subsidised, and financial help is available for eligible students.

Careers

Cambridge Geography graduates are highly skilled in dealing with complex problems, in information retrieval, data management, statistics and specialist software, and are used to working independently and communicating efficiently. Your Geography degree opens many career doors, allowing you to compete alongside those with degrees in STEM as well as the Arts, Humanities and Social Sciences.

Our graduates enter many different careers, including industry and commerce, social enterprises and charities, planning, teaching, finance, social and community work, environmental management and conservation, the media, politics, and the Civil Service.

"Geography is the only subject which allows me to be globally engaged and culturally agile while I analyse the world's ever-changing landscape and seek solutions to a diverse range of issues we face today."

Riva

Fact file

Duration Three years – BA (Hons)

2022 entry Applications per place: 5
Number accepted: 96

Typical offers require

A Level A*AA
IB 40-42 points, with 776 at Higher Level

Other qualifications See p153-4

No specific subjects required by all Colleges

Useful preparation
Geography. Check our website for more information about the subjects our typical entrants have studied.

Admission assessment
Some Colleges require applicants to take a written assessment if shortlisted for interview: Cambridge College registered (see p43 and www.cam.ac.uk/assessment)

Colleges Available at all Colleges except Peterhouse

Location
Map reference D (see p158-9)

Open days 2023
Cambridge Open Days – see p156-7

Other open days and events can be found at www.cam.ac.uk/ugevents.

Related courses

Education	66
History	76
Human, Social, and Political Sciences	82
Land Economy	84
Natural Sciences	103

Course outline

The degree allows you to study both human and physical geography, although you can choose to specialise in one of these areas from the second year.

You typically have six to eight lectures each week (with associated reading), as well as practicals, laboratory work and field classes.

In addition, you normally have three supervisions a fortnight at which you discuss a topic beyond the material given at lectures, usually based on reading, essay writing, preparation of presentations or answering data response questions.

Year 1 (Part IA)

You're introduced to key themes and issues by studying two core papers:

- People, Place and the Politics of Difference – topics are varied but may include globalisation; cultural geography; sustainable development; historical geography; urbanisation; geopolitics; uneven economies and inequality; health and disease.
- Environmental Processes and Change – topics are varied but may include tectonics and volcanism; glacial processes; Quaternary climate change; biogeography; atmosphere and climate.

For each paper you are assessed at the end of the year.

You will also attend a range of lectures and lab classes (both physical and computer-based) introducing you to geographical research skills across the subject. These are assessed by means of coursework.

Year 2 (Part IB)

All students take a compulsory paper, Living with Global Change, which examines key concepts and current issues in geography, usually based around the theme of geographical risk (the exact focus varies from year to year).

In addition, you can begin to specialise and select three papers from a choice of six. The list below give examples of the choice that may be offered, but these can change from year to year:

- Inequality
- Development Theories, Policies and Practices
- Citizenship, Cities and Civil Society
- Glacial Processes
- Biogeography
- Quaternary Climates and Environments

You also undertake project work involving field, lab and computer skills and techniques. Projects vary according to which papers you choose, but everyone takes a course in quantitative methods.

You will also take part in a field class (five to eight days); these trips usually include a mix of different types of geography and help you to develop knowledge and skills for your dissertation. Assessment in the second year is based on a mix of written examinations for the four papers, and submission of a portfolio of coursework.

Year 3 (Part II)

You can choose either to specialise further or maintain a balance across the subject as a whole. You select four papers from a choice of 12. Papers on offer vary each year but recent examples include:

- Global Urbanism
- Work and Employment
- Political Ecology
- Biogeography
- Glaciology
- Postcolonialism and Decoloniality
- Geographies of the Arctic
- Environmental Knowledges
- Volcanology
- Legal Geographies
- Geographies of Food and Power
- Demographic Continuity and Change
- Life within Limits

These papers are assessed by either written examination or by a combination of written examination and coursework, which typically takes the form of a project or extended essay, academic report or poster presentation.

You also submit a dissertation of 10,000 words on a topic of your choice. Planning for this starts in the second year. Data are usually collected in the summer between your second and third year, with analysis during the third year.

www.hist.cam.ac.uk schoolsliaisonoffice@hist.cam.ac.uk 01223 335302

History

Also History and Modern Languages, and History and Politics

Our History course offers a huge range of options that span three millennia and circle the globe. It allows you to combine breadth – exploring many different aspects and periods of history – with depth – focusing in on the topics that particularly interest you.

Across centuries and continents

History at Cambridge reflects the quality and breadth of interests of our expert historians and our course has been ranked among the top three of the world's best for several years. The History degree gives you the opportunity to explore the past from many different angles, as well as the interaction between history and other disciplines, including politics, anthropology, sociology, economics and archaeology.

There is ample scope to pursue personal interests and experiment with different historical approaches. Specialist papers allow you to work with source materials as varied as Hollywood movies, Middle Eastern newspapers or medieval plague records. Our academics are active researchers, who publish books and scholarly articles as well as writing and speaking regularly for the wider public and media.

Studying History in Cambridge

Cambridge is an ideal place to study History. There are many libraries, offering a wealth of rare books and manuscripts to students as they embark on their own research projects. The city's museums offer access to an even wider range of sources, unlocking the study of art, material culture, and the history of science.

All undergraduate historians are encouraged to study foreign languages, and specialist support is available in the University Language Centre (see p15).

Careers and research

Cambridge historians acquire a range of skills that are attractive to employers: the ability to work independently, to evaluate evidence, and to present arguments clearly and persuasively.

In the past, our graduates have secured rewarding jobs across sectors ranging from journalism and broadcasting to teaching and research, finance, consultancy, law and public administration.

"The Cambridge course is really broad, both in terms of chronology and geography, so I thought it would give me the opportunity to study lots of different types of history."

Rowan

Fact file

Duration Three years – BA (Hons)

2022 entry Applications per place: 3
Number accepted: 171

Typical offers require

A Level A*AA
IB 40-42 points, with 776 at Higher Level

Other qualifications See p153-4

No specific subjects required by all Colleges

Useful preparation
History (this may be required by some Colleges – visit the website for details), English (language or literature), languages, Mathematics.

Check the website for more information about the subjects our typical entrants have studied.

Admission assessment
Some Colleges require applicants to take a written assessment if shortlisted for interview: Cambridge College registered (see p43 and www.cam.ac.uk/assessment)

Colleges Available at all Colleges

Location
Map reference S (see p158-9)

Open days 2023
Cambridge Open Days – see p156-7

Other open days and events can be found at www.cam.ac.uk/ugevents.

Related courses

Anglo-Saxon, Norse, and Celtic	46
Archaeology	48
Asian and Middle Eastern Studies	53
Classics	58
Human, Social, and Political Sciences	82
Theology, Religion, and Philosophy of Religion	110

Course outline

Teaching includes Faculty lectures and seminar classes and College supervisions. On average, you attend eight to 10 lectures and classes each week. You will have regular supervisions, for which you typically write an essay, giving you the opportunity to debate and develop your ideas with an expert in the field. A wide range of papers is available each year. In your first year, one Outline paper must cover the period before c.1750, and the other after c.1750. The only other constraint will be class sizes, which are limited for some papers.

Papers are typically assessed by examination and coursework including essays and book reviews. There is also an optional dissertation in Year 3.

Year 1 (Part IA)

You take five papers:

- Two Outline papers – these typically survey a long period and broad geographical area. You choose from around ten papers, ranging over Britain and Europe, the Americas, Africa and Asia.
- A Sources paper – this examines in detail a body of primary material on a particular historical theme, issue, or event. You choose from a range of options which vary each year. Typical examples may include Travel and Trade in the Medieval World; Letters in Antiquity; Arab Intellectual History.
- An Historical Thinking paper – this introduces methods and debates by examining a single work of history that has influenced the discipline.
- An Historical Skills paper – this covers the research skills essential in History, such as the use of archives, digital sources, and oral history, as well as quantitative approaches.

Year 2 (Part IB)

You take four papers:

- Two Topic papers – these explore focused areas of historical knowledge in depth. The topics available each year may vary, but there will be a wide choice, reflecting the diverse research interests of the Faculty's staff. Typical examples may include British Worlds 1750-1914; State Formation in Medieval Britain and Europe; and Inequalities and Social Change in the Ancient Greek and Roman Worlds.
- A Research Project – this paper equips you to undertake your own historical research. Each project covers analytical and conceptual features of a particular area of history, and offers guidance on the methodologies and skills needed to research it.
- Historical Thinking IB – this introduces you to broad methodological fields of history, which may include environmental history, material culture, and intellectual history.

Year 3 (Part II)

You take five papers, three of which are compulsory:

- Historical Thinking II – a general methods paper building on IA and IB, encouraging you to reflect critically on major historical concepts encountered throughout your degree. These range from empire to gender, and from revolutions to race.
- A Special Subject – which counts as two papers and provides sophisticated in-depth study of an historical period, process or problem, using primary sources. Topics on offer vary year to year, but currently include heresy in medieval southern France, early modern memory, the 1848 revolutions, women's experience of war in the 18th century, and Zimbabwe from 1948 onwards.

Additionally, you choose two taught options from amongst the following categories of paper:

- Advanced Topic papers – exploring a complex theme at the forefront of historical scholarship. Topics change from year to year, but currently include the supernatural, medicine, women's work, material culture, and frontiers.
- Political Thought papers – examining changing ideas about how societies and individuals should govern themselves and each other.

Alternatively, you take one taught option and write a dissertation of 10,000 words, on a topic you devise. Many students find this one of the most rewarding aspects of their time at Cambridge. Recent examples of dissertation topics include Elizabeth I's Scottish correspondence; British India from the standpoint of a 19th-century Bengali intellectual; community life on a 20th-century council estate; and the Iranian revolution in 20th-century France.

www.mmll.cam.ac.uk facultyoffice@mmll.cam.ac.uk 01223 335000

History and Modern Languages

"The breadth and depth of History and ML allows you to explore your interests and discover new ones. It is a course for the curious."

Lucien

This superb joint Honours degree gives you the language skills and historical awareness to understand foreign cultures and societies better – in Europe and beyond.

Course outline

Language options are German, Italian, Russian and Spanish from scratch or post-A Level; Portuguese from scratch; and French post-A Level. You will be asked to indicate which language you are interested in studying as part of the My Cambridge Application form (see p8).

Teaching is provided through lectures, intensive language classes, seminars and College supervisions. You can typically expect around 14 hours of teaching each week, alongside which you complete translation and other assignments, as well as supervision essays which you discuss with a subject specialist.

Each year you complete a combination of written examinations and submitted coursework, plus an oral examination in your chosen language.

For more details about the History papers mentioned below, please visit **www.hist.cam.ac.uk.**

Year 1 (Part IA)

You receive intensive language training (including translation and conversation) and take an introductory paper on the literature, history, film and philosophy of the country where your language is spoken. You also choose one History Outline paper, from a range spanning from the ancient world to the 20th century. In your College, you will also study two modules for Historical Thinking A and write two book reviews.

Year 2 (Part IB)

You continue with classes to improve your language skills, and also choose three advanced papers, including at least one in your chosen language (eg literature, history, film, art, thought) and at least one in history (European, global or intellectual). You can choose to carry out a research project on a range of themes.

Years 3 and 4 (Part II)

Year 3

You spend the third year abroad, studying, teaching or on a work placement, while gaining near-native proficiency in your language. You also complete a project, normally on a topic related to the history or culture of the country you're staying in.

Year 4

You continue with advanced language work, and take three specialised papers from a range of topics related to your language (eg literature, history, film, thought) and history (covering a variety of periods and parts of the world). You must take at least one from each subject. You can also research and prepare a dissertation on a topic of your choice, subject to supervisor availability.

Fact file

Duration Four years – BA (Hons) (Year 3 spent abroad)

2022 entry
Applications per place: 4
Number accepted: 30

Typical offers require
A Level A*AA
IB 40-42 points, with 776 at Higher Level
Other qualifications See p153-4

All Colleges require
A Level/IB Higher Level in the language (for languages to be studied post-A Level)

Some Colleges require
For languages from scratch, evidence of language ability

Useful preparation
History (this may be required by some Colleges – visit the website for details), English (language or literature), Mathematics. Check our website for more information about the subjects our typical entrants have studied.

Admission assessment
Written assessment: Cambridge College registered (see p43 and **www.cam.ac.uk/assessment**)

Colleges
Available at all Colleges

Location
Map reference S (see p158-9)

Open days 2023

Cambridge Open Days – see p156-7

Other open days and events can be found at **www.cam.ac.uk/ugevents**.

www.hist.cam.ac.uk schoolsliaisonoffice@hist.cam.ac.uk 01223 335302

History and Politics

"I've found it fascinating to study the broad range of topics that History and Politics allows, and to bring together perspectives from both disciplines."

George

This exciting joint Honours degree allows you to study a range of subjects from our highly regarded History and Politics and International Relations courses, together with bespoke papers which explore the relationship between the two disciplines.

Course outline

You take four papers in each year. Teaching is provided through University lectures and classes and College supervisions, for which you typically write an essay and which give you the opportunity to discuss your ideas with a senior academic. In the first year, you can expect between eight and 10 hours of lectures and classes a week, along with one or two supervisions.

You're assessed at the end of every year – mostly by three-hour written exams, though some papers are assessed by coursework and in the final year you can replace one paper with a dissertation.

Year 1 (Part IA)

In Year 1, you choose a History Outline paper from a wide range of options, typically including papers on British, European, American, and Global history. You also take two Politics papers – The Modern State and its Alternatives, and International Conflict, Order and Justice, and a core interdisciplinary paper in Evidence and Argument assessed through a coursework essay.

Year 2 (Part IB)

In Year 2, students choose one paper in each of the following categories:

- a paper in International Organisation or Comparative Politics
- a paper in the History of Political Thought
- a further History Topic paper from a variety of options reflecting the diverse research interests of the History Faculty. The papers available each year may vary; see the Faculty website for details.

For the fourth paper, you write a long essay of up to 5,000 words on a question drawn from a wide range of subjects in History and Politics.

Year 3 (Part II)

You choose three papers from a wide range of possible combinations, including third-year Politics and International Relations papers (shared with HSPS, p82) and History Special Subjects and Advanced Topic papers. The papers available each year may vary – see the History Faculty website for those currently offered. Alternatively, you can replace one of these three papers with a dissertation of 10,000 words on a topic of your choice within the scope of the course.

All students also take a core paper called Theory and Practice in History and Politics which engages with key issues such as technology, inequality, power, and war in the light of work throughout the degree course.

Fact file

Duration Three years – BA (Hons)

2022 entry
Applications per place: 7
Number accepted: 49

Typical offers require

A Level A*AA
IB 40-42 points, with 776 at Higher Level

Other qualifications See p153-4

No specific subjects required by all Colleges

Useful preparation
History (this may be required by some Colleges – visit the website for details), Government & Politics, English (language or literature), a language. Check our website for more information about the subjects our typical entrants have studied.

Admission assessment
Some Colleges require applicants to take a written assessment if shortlisted for interview: Cambridge College registered (see p43 and www.cam.ac.uk/assessment)

Colleges
Available at all Colleges

Location
Map reference S (see p158-9)

Open days 2023
Cambridge Open Days – see p156-7

Other open days and events can be found at www.cam.ac.uk/ugevents.

www.hoart.cam.ac.uk undergrad.enquiries@aha.cam.ac.uk 01223 332975

History of Art

Fine collections of art, well-stocked libraries and a spectacular architectural environment on your doorstep mean that Cambridge is a particularly rewarding place to study History of Art.

History of Art at Cambridge

Our course covers a wide spectrum of art and architecture from all over the world, from Antiquity to modern and contemporary periods. The aim is to foster a wide and deep understanding of art and architecture, and to help you develop visual literacy and awareness, as well as a range of critical and analytical skills.

A treasury of resources

There's no substitute for looking at the real objects and we take full advantage of Cambridge's outstanding resources, including the Fitzwilliam Museum and its conservation departments, the recently expanded galleries of Kettle's Yard, and the Colleges' architecture and art collections.

The Department's comprehensive library houses a rich collection of books, and you have access to the University Library and the Fitzwilliam Museum's reference library (among others) as well. During vacations, students may wish to travel to see works of art and architecture, although this is not required. College financial support is often available for this. Any core departmental trips which form part of the course – for example to museums and galleries – are funded by the Department.

Preparation

We advise that you visit museums, exhibitions and buildings of particular architectural note, and take descriptive notes or sketches of what you see. Try to analyse the effect works of art or architecture have on you. Some familiarity with history, classical mythology and religious texts is invaluable for the study of the meaning of works of art. The admissions area of the Department website suggests other preparatory reading.

After Cambridge

In a world where visual imagery has never been more widely used or had greater currency, our graduates, with their sophisticated visual acumen, are well-equipped for a vast array of careers. Notable examples include employment in museums and galleries, the care and conservation of monuments and heritage management, fine art dealing, publishing, advertising, written and broadcast journalism and teaching.

Our prominent graduates include the artists Sir Antony Gormley and Marc Quinn; the model and actress Lily Cole; the television presenter Claudia Winkleman; the Hon James Stourton, former Chairman of Sotheby's UK; and the museum directors Frances Morris, Director of Tate Modern, Sir Charles Saumarez Smith, former Director of the National Portrait Gallery and the National Gallery and former Chief Executive of the Royal Academy, and Sir Nicholas Serota, former Director of the Tate Gallery and now Chairman of the Arts Council.

"Studying History of Art at Cambridge has been an enriching experience. The department is receptive to demands for increasingly globalising art histories, as well as offering perspectives to reassess canons. I also appreciate the lectures by inspiring visiting professors. I have developed amicable relationships with peers and staff during my time here."

Winnie

Fact file

Duration Three years – BA (Hons)

2022 entry Applications per place: 5
Number accepted: 20

Typical offers require

A Level A*AA
IB 40-42 points, with 776 at Higher Level

Other qualifications See p153-4

No specific subjects required by all Colleges

Useful preparation
History, History of Art, English (language or literature), a language. Check our website for more information about the subjects our typical entrants have studied.

Further guidance
Please note that subjects such as Art and Design are accepted but Colleges require A*/7 in an essay-based subject

Admission assessment
Written assessment: Cambridge College registered (see p43 and www.cam.ac.uk/assessment)

Colleges Available at all Colleges except Girton, Robinson and St Catharine's

Location
Map reference L (see p158-9)

Open days 2023
Cambridge Open Days – see p156-7

Other open days and events can be found at www.cam.ac.uk/ugevents.

Related courses

Architecture	50
Asian and Middle Eastern Studies	53
Classics	58
History	76
Philosophy	106
Theology, Religion, and Philosophy of Religion	110

Course outline

Teaching is provided through lectures, seminars, supervisions and course trips to museums, exhibitions and notable buildings. First-year students typically have up to six hours of departmental teaching each week, as well as on-site visits and a supervision linked to your weekly reading and essays.

Particular attention is paid to the first-hand study of works of art and architecture – lectures and classes are regularly held in museums, taught by curatorial staff and other visiting experts – and you receive exceptional attention and support throughout your degree.

Assessment varies according to the paper being studied but typically includes written examinations and visual analysis tests (comparing and contrasting works of art or architecture), and a dissertation in both Year 1 and Year 3.

Year 1 (Part I)

Part I provides you with a broad introduction to the history, making and meaning of art and architecture, with special emphasis on the architecture of Cambridge and the collections of the Colleges, the Fitzwilliam Museum and Kettle's Yard. Topics run from the art of Ancient Egypt to contemporary installation art, major examples of ancient, medieval, Renaissance and modern art, as well as the arts and architecture of Asia, Africa and South America.

During the year you take a series of five compulsory papers. This includes an examination on the Making and Meaning of Art and Architecture, as well as a paper on Objects, which is assessed by a portfolio of coursework. These papers address various aspects of how works of art and buildings are made, used, and play a role in society, as well as the cultural, religious and political contexts of art and architecture. You will also complete a short dissertation of 5,000 words on a work of art or architecture in or around Cambridge.

Year 2 (Part IIA)

Part II deepens your knowledge and understanding by focusing in greater depth on specific issues. In Part IIA, you take one compulsory paper along with two pairs of papers on Special Subjects:

- Approaches to the History of Art and Architecture – this compulsory paper covers the history of the discipline and its critical methodologies from antiquity to the present day.
- Special Subjects – chosen from a range of up to 11, these papers focus on a particular artist, subject or period. Subjects currently include Global Renaissance, Rubens, Florence 4D, British Architecture, Paris 1715-1815, Art and Architecture in Medieval Jerusalem, Russian Art, Contemporary Latin-American Art, and Chinese Art and Visual Culture.

Year 3 (Part IIB)

In Part IIB, you take one compulsory paper, two further pairs of Special Subjects papers and submit a dissertation:

- The Display of Art – this compulsory paper explores the history and theories of display and collecting.
- Special Subjects – the options available are as those in Part IIA, but you take two subjects that you haven't studied before, aiming for a spread across times and regions.
- The dissertation is 9,000 words on a topic of your choice, as agreed with your Director of Studies.

www.hsps.cam.ac.uk enquiries@hsps.cam.ac.uk

Human, Social, and Political Sciences

Human, Social, and Political Sciences includes politics and international relations, social anthropology and sociology. You can specialise in one or two of these, but the flexibility of the course also enables exploration of a variety of subjects in the first year.

Explore subjects you like and experience new ones

Human, Social, and Political Sciences (HSPS) at Cambridge can be tailored from the start. This means it's suited both to those with specific subject interests, and to those looking for a multidisciplinary degree.

The course comprises three core disciplines, taught by globally respected departments.

- Politics and International Relations explores politics within and between countries, covering issues from human rights and democracy, to financial crises and international conflict.
- Social anthropologists address 'what it is to be human' by studying social and cultural diversity – how people live, think and relate to each other around the world.
- Sociology focuses on the nature of modern societies and the processes that shape social life, by examining social institutions and topics such as power and inequality.

Depending on the track you choose, there may be options to take individual papers in the other HSPS subjects or from other courses as well.

Why choose Cambridge?

Cambridge offers a world class undergraduate education, and excellent teachers and learning facilities. The Faculty has two libraries and superb teaching resources including the Museum of Archaeology and Anthropology, computing facilities, multimedia-equipped teaching rooms, and a rare collection of ethnographic films.

And after Cambridge?

The analytical and critical skills, intellectual versatility, multicultural sensitivity and international outlook you develop through this course are widely sought after by employers. Recent graduates have pursued careers in academic and policy research, the Civil Service (including the Foreign Office), journalism, management consultancy, national and international NGOs and development agencies, law, teaching, publishing, health management, and public relations.

"My favourite part of the course is that I can tailor it to my interests, and research beyond the curriculum, finding case studies that I am particularly interested in and applying them to the theories I am learning."

Alistair

Fact file

Duration Three years – BA (Hons)

2022 entry Applications per place: 9
Number accepted: 168

Typical offers require

A Level A*AA
IB 40-42 points, with 776 at Higher Level

Other qualifications See p153-4

No specific subjects required by any Colleges

Useful preparation English (language or literature), History, a language. Check our website for more information about the subjects our typical entrants have studied.

Admission assessment
Some Colleges require applicants to take a written assessment if shortlisted for interview: Cambridge College registered (see p43 and www.cam.ac.uk/assessment)

Colleges Available at all Colleges

Location
Map references M, S (see p158-9)

Open days 2023
Cambridge Open Days – see p156-7

Other open days and events can be found at www.cam.ac.uk/ugevents.

Related courses

Archaeology	48
Asian and Middle Eastern Studies	53
Geography	74
History	76
History and Politics	79
Psychological and Behavioural Sciences	108
Theology, Religion, and Philosophy of Religion	110

Course outline

Teaching is delivered through lectures, supervisions and seminars. In the first year, you have around eight hours of lectures and one or two supervisions a week.

You're assessed at the end of each year – mostly through examinations, though some papers are assessed by coursework. In Year 3, you can substitute one paper for a 10,000 word dissertation.

Year 1 (Part I)

In Year 1, you take four papers. At least three must be from the core subjects – politics, international relations, social anthropology, and sociology. Your fourth can be another core subject paper, or you can choose an archaeology, biological anthropology or psychology option.

Years 2 and 3 (Part II)

You choose one of three single-subject tracks (see below), or one of five two-subject tracks – Politics and Sociology, Social Anthropology and Politics, Social Anthropology and Religious Studies (Modern Religion), Sociology and Criminology, or Sociology and Social Anthropology (details online).

Please note that it's not possible to change track between Years 2 and 3, unless switching from a two-subject track to one of the subjects within it. Some final year papers require you to have taken a relevant Year 2 paper.

Politics and International Relations

In Year 2, you study Comparative Politics, International Organisation, and History of Political Thought.

Your fourth paper can be two 5,000 word essays on politics and international relations; a statistics paper; or one offered in another HSPS subject or from others such as History or Psychology (please see the website for the full range).

In Year 3, you take a general paper in politics and international relations, plus three optional papers.

One of these can be a 10,000 word dissertation, and one can be from selected papers in another subject. You can choose from a broad range of papers in politics and international relations, covering diverse themes, regions and contemporary issues.

Social Anthropology

In Year 2, you take The Foundations of Social Life, Anthropological Theory and Methods papers and a paper on the anthropology of an ethnographic area. Your fourth is an optional paper.

In Year 3, you take two advanced anthropology papers – Ethical Life and the Anthropology of the Subject; and Power, Economy and Social Transformation – and choose a further two from a combination of optional papers, an ethnographic area paper and a 10,000 word dissertation.

Optional paper topics in Years 2 and 3 usually include urban anthropology, gender, development, science and society, media and visual culture, as well as choices from another HSPS subject.

Sociology

You take Social Theory, Global Social Problems and Dynamics of Resistance, and either Concepts and Arguments in Sociology or Statistics and Methods.

Your fourth paper can be a further sociology paper, or one from another HSPS subject, or from another department (see website for full list).

In Year 3, you choose three papers from a range of sociology topics – these might cover subjects such as media and culture; gender; war and revolution; global capitalism; race, racism, and ethnicity; empire, colonialism, and imperialism; health, medicine and society; and criminology. One paper can be replaced by a dissertation of up to 10,000 words. Your final paper can be a further sociology paper, one from another HSPS subject, or borrowed from another department (see website for full list).

www.landecon.cam.ac.uk tripos@landecon.cam.ac.uk 01223 337147

Land Economy

Environment, Law and Economics

Land Economy is intellectually challenging – encompassing law and economics, with aspects of the environment, business finance and resource management – and offers many excellent career opportunities.

A challenging combination

Law, economics, and their relationship to natural and built environments are central to Land Economy, along with other areas such as public policy, planning, the financial aspects of real estate and international development.

The multidisciplinary nature of the course is particularly relevant in the 21st century where the environment, law and economics and the control of scarce resources affect the daily lives of people around the world.

Teaching and resources

Our lecturers are specialists in their own field and include lawyers, economists, planners and experts in environmental policy, finance and quantitative methods. Many are involved in research projects of national and international concern.

The Department has a comprehensive library and an extensive range of computing facilities, including an intranet store of wide-ranging teaching, careers and other useful information.

Professional training

This degree differs from similar courses offered elsewhere because it's not wholly vocational, and the emphasis is on intellectual and academic content which appeals greatly to employers.

The degree is accredited by the Royal Institution of Chartered Surveyors (RICS) and allows graduates to progress directly to the Assessment of Professional Competence to become a full member of the RICS. It can also give partial exemption from the academic requirements of the Bar Council and Law Society for those intending to be lawyers. An appropriate combination of papers is required in each case.

Exceptional employment prospects

The department has one of the strongest records for graduate employment or further study across the University (97 per cent of respondents to the Graduate Outcomes survey were in work or further study 15 months after graduation[1]); a reflection of its focus on topics relevant to real-world problems, and its emphasis on the development of a broad range of skills.

Our graduates go on to become lawyers, economists, civil servants, and to work for national and international agencies. Many go into financial or business careers, and others enter public service with local or national organisations, or proceed to further study and research.

"Land Economy's holistic background in economics and law provides excellent preparation for industry and the breadth of subjects covered provides a great foundation for academia."

Sam

[1] Based on responses to the Graduate Outcomes survey. This records the outcomes of students who completed their studies between August 2019 and July 2020. 54 per cent of Land Economy graduates responded to the survey.

Fact file

Duration Three years – BA (Hons)

2022 entry Applications per place: 8
Number accepted: 64

Typical offers require

A Level A*AA
IB 40-42 points, with 776 at Higher Level

Other qualifications See p153-4

No specific subjects required by any Colleges

Some Colleges require A Level/IB Higher Level in an essay-based subject

Useful preparation Economics, Mathematics. Check our website for more information about the subjects our typical entrants have studied.

Admission assessment
No assessment required by any Colleges

Colleges Available at all Colleges except Churchill, Corpus Christi, Emmanuel, King's and Peterhouse

Location
Map reference F (see p158-9)

Open days 2023
Cambridge Open Days – see p156-7

Other open days and events can be found at **www.cam.ac.uk/ugevents**.

Related courses

Architecture	50
Economics	64
Geography	74
Human, Social, and Political Sciences	82
Law	86
Management Studies	116

Course outline

Teaching in the Department is a mix of lectures, seminars, project work and supervisions. In a typical week, you can expect 10-14 hours of lectures and two or three supervisions.

Assessment is by written examinations and through coursework and projects, as well as a dissertation in Year 3 (Part II).

Year 1 (Part IA)

Part IA provides the framework for later specialisation. You acquire a thorough grounding in the core disciplines of law and economics and are introduced to the multidisciplinary nature of the degree through four compulsory papers:

- Economics
- The Public Sector: Institutional and Legal Frameworks
- Quantitative and Legal Methods for Land Economists
- Land Economy, Development and Sustainability

During your first year you develop the key skill of critical analysis across a range of different disciplines, computer literacy, data management and numeracy skills, and skills in oral presentation and report preparation.

Year 2 (Part IB)

In Part IB, you can continue studying a broad range of law, environmental policy and economics topics, or choose to specialise more closely in one of these three disciplines. You take five papers, including at least one paper on a legal topic, and select your other four papers from a choice of six. Current options include:

- Environmental Economics and Law
- Fundamentals of Finance and Investment
- The Built Environment
- Land and Urban Economics
- The Law of Real Property: Principles, Policy, and Economic Implications

Year 3 (Part II)

Part II continues the work of the second year, with further opportunity for breadth or depth depending on your interests or career aspirations.

You will take four papers and write a dissertation. The four papers may be chosen from a wide range of options which currently includes:

- Law and Economics
- Landlord and Tenant Law
- Planning Policy and Practice
- Land, Food and Ecosystem Services
- Land Policy and Development Economics
- Advanced Techniques in Finance and Investment for Real Estate

You will also write your 10,000 word dissertation on any aspect of the Department's work of your choosing. This is your opportunity to specialise in a topic that particularly interests you.

The choice of topics is very broad and in the past students have written on, for example:

- the economics of gentrification of cities
- environmental protection in the developing world
- Aboriginal land claims in Australia
- risk management in capital and financial markets
- the social perception and problems of population density
- the legal regulation of the property of unmarried couples
- the future prospects of virtual currencies, such as Bitcoin
- the upgrading of slums in Brazil
- road traffic and house prices
- financial institutions in sub-Saharan Africa
- the affordable housing legacy of the London Olympics
- market failure in the housing market

www.law.cam.ac.uk outreach@law.cam.ac.uk 01223 330094

Law

Law at Cambridge allows you to understand law in its historical and social contexts, and to examine its general principles and techniques. It develops skills in analysis, interpretation and logical reasoning, and challenges students to interrogate questions of ethical judgement, political liberty, and social control.

Law at Cambridge

Although our BA (Hons) course (referred to at other universities as an LLB degree) is primarily concerned with English law, there are opportunities to study other legal systems, including civil (Roman) law, EU law and international law. You can also study theoretical and sociological aspects of law such as jurisprudence or parts of criminology.

Facilities and resources

The David Williams Building, on the University's Sidgwick Site, houses lecture theatres, seminar rooms and a moot court. It is also home to the Squire Law Library, one of the finest academic law collections in the UK. The Library offers an extensive collection of printed and electronic resources and excellent computing facilities.

The Faculty and University Law Society organise numerous events and activities, including public lectures, careers events with leading barristers' and solicitors' firms, social events and mooting competitions (debates about hypothetical legal cases).

Student exchange schemes

In previous years, the Faculty has offered students the opportunity to spend a year studying abroad at one of our partner institutions. We currently offer this opportunity to undergraduates under the Turing Scheme (subject to funding) – please check the Faculty website for further information and updates on the exchange scheme.

After Cambridge

Many of our graduates go on to qualify as barristers and solicitors, and find employment within the legal departments of the Civil Service, local government, businesses, banks, and international organisations.

Others stay in academia or go into a wide variety of other careers in administration, management, finance, politics, media, the charity sector, and the arts.

Students wishing to qualify as solicitors in England and Wales will need to sit two Solicitors Qualifying Examination assessments (SQE1 & SQE2) after the completion of their undergraduate studies. For more information visit the Solicitors Regulation Authority website: **www.sra.org.uk/students/sqe/**.

Students wishing to qualify as barristers in England and Wales can satisfy the academic component of training with the BA in Law if they read papers covering the 'Foundations of Legal Knowledge', as set by the Bar Standards Board (BSB); please see the Faculty website for more details. Following the completion of their undergraduate studies, students may proceed directly to vocational courses that lead to professional accreditation. For more information about qualifying as a barrister visit the BSB website: **www.barstandardsboard.org.uk**

"I wanted a subject that was very current and up-to-date with the world right now. It's a degree that doesn't pigeonhole you into a career, but actually just opens up doors for you."

Zara

Fact file

Duration Three years – BA (Hons)

2022 entry Applications per place: 9
Number accepted: 217

Typical offers require

A Level A*AA
IB 40-42 points, with 776 at Higher Level

Other qualifications See p153-4

No specific subjects required by any Colleges

Useful preparation English (language or literature), History, a language. Check our website for more information about the subjects our typical entrants have studied.

Admission assessment
LNAT: pre-registration required (see p43 and www.lnat.ac.uk for details)

Colleges Available at all Colleges

Location
Map reference S (see p158-9)

Open days 2023
Cambridge Open Days – see p156-7

Other open days and events can be found at www.cam.ac.uk/ugevents.

Related courses

Human, Social, and Political Sciences	82
Land Economy	84
Management Studies	116
Philosophy	106

Course outline

For each paper studied, you attend lectures given by teaching members of the Faculty. The typical number of lecture hours for each paper is 32-40 per year, mostly timetabled for the first two terms of each year, which equates to about 10-12 hours of lectures per week. In addition, you typically have a fortnightly College supervision in each paper.

The normal mode of assessment for each paper is a written examination taken at the end of each academic year. There is also the option of applying for a seminar course, which is assessed by a dissertation.

Year 1 (Part IA)

In the first year, you take four papers. In previous years, papers have included:

- Civil Law I
- Constitutional Law
- Criminal Law
- Law of Tort

Year 2 (Part IB)

In the second year, you choose five papers from a wide range of options, which may include:

- Law of Contract
- Land Law
- Administrative Law
- Civil Law II
- Criminal Procedure and Criminal Evidence
- Criminology
- Sentencing and the Penal System
- Family Law
- Human Rights Law
- International Law
- Jurisprudence
- Legal History

Year 3 (Part II)

In the third year, you choose five papers, which may include two half-papers as one of your five options.

Full paper options may include:

- Aspects of Obligations
- Commercial Law
- Company Law
- Conflict of Laws
- Intellectual Property Law
- Labour Law
- Equity
- European Union Law

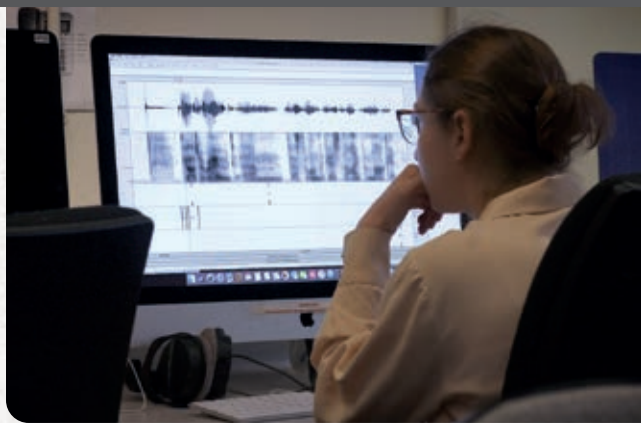
Examples of half-papers which may be on offer include:

- Historical Foundations of the British Constitution
- Landlord and Tenant Law
- Law of Succession
- Personal Information Law
- Topics in Legal and Political Philosophy
- Topics in European Legal History
- Animal Rights Law

You can also apply to participate in a seminar course, in place of one paper, which is assessed by a dissertation. Seminar courses vary each year but may include Select Issues in Criminal Law and Criminal Justice, Family in Society, Law and Ethics of Medicine, Private Law, Public Law, Select Issues in International Law, Tax Law and Policy.

www.mmll.cam.ac.uk/dtal tal@mmll.cam.ac.uk 01223 335010

Linguistics



Are you curious about our most crucially human attribute, language? Is a subject that combines the arts and sciences appealing? If you've found yourself asking 'why?' or 'how?' in relation to language, then Linguistics may be for you.

Language and linguistics

Linguistics is the systematic study of human language. Superficially, there's huge variation among the world's languages, and linguists not only describe the diverse characteristics of individual languages but also explore properties which all languages share and which offer insight into the human mind.

The study of linguistics draws on methods and knowledge from a wide range of disciplines. For instance, the study of meaning draws on philosophy, the analysis of the speech signal uses methods from physics and engineering, and the study of language acquisition draws on psychology.

This variety is one of the things that makes linguistics fascinating: one day you might be poring over a medieval text for evidence of how the grammar of a language has changed, and the next, learning about how the larynx creates sound energy for speech or how we can record brain responses in a categorisation task.

Linguistics at Cambridge

Cambridge Linguistics is internationally recognised, having come third in the QS World University Rankings by Subject 2022. Situated within the Faculty of Modern and Medieval Languages and Linguistics, the Linguistics Tripos benefits greatly from colleagues specialising in the linguistics of particular European and other foreign languages.

After Linguistics

The broad interdisciplinary training we offer provides our graduates with transferable skills that are greatly sought-after by employers; for example, students learn to analyse quantitative data, construct abstract grammatical models, and test competing hypotheses. Linguistics graduates find employment in a wide range of professions; recent graduates for example have taken up roles at Google, Amazon, Facebook and the Foreign Office, as well as pursuing postgraduate study at top universities in the UK, Europe and North America.

Linguistics provides particularly good preparation for vocational training too, in fields such as speech therapy, teaching, speech and language technology (eg developing speech recognition and translation software), law, translation, interpreting and forensic linguistics.

Familiarity with a range of languages is also a huge advantage in careers where rapid learning of unfamiliar languages may be involved, such as in the Diplomatic Service.

"Linguistics is a deeply interesting field of study with many subfields and connections to lots of other areas. The course has offered me a way into the subject, broad enough to give me an insight into a variety of research traditions but narrow enough to let me truly specialise."

Harry

Fact file

Duration Three years – BA (Hons)

2022 entry Applications per place: 5
Number accepted: 31

Typical offers require

A Level A*AA
IB 40-42 points, with 776 at Higher Level

Other qualifications See p153-4

No specific subjects required by any Colleges

Useful preparation English Language, Mathematics, an arts/science mix, a language (ancient or modern). Check our website for more information about the subjects our typical entrants have studied.

Admission assessment
Written assessment: Cambridge College registered (see p43 and www.cam.ac.uk/assessment)

Colleges Available at all Colleges except St Catharine's

Location
Map reference S (see p158-9)

Open days 2023
Cambridge Open Days – see p156-7

Other open days and events can be found at www.cam.ac.uk/ugevents.

Related courses

Anglo-Saxon, Norse, and Celtic	46
Asian and Middle Eastern Studies	53
Classics	58
Computer Science	60
Human, Social, and Political Sciences	82
Modern and Medieval Languages	97
Philosophy	106
Psychological and Behavioural Sciences	108

Course outline

Linguistics is divided into a one-year Part I and a two-year Part II, and teaching is delivered through a mixture of lectures, supervisions and practical sessions. A typical week involves four hours of lectures, two hours of supervisions (in groups of six students in Part I, and two or three students in Part II), and one to two hours of practical classes.

Assessment is by written examination and practical exams in phonetics and computational linguistics, as well as a dissertation in the final year.

Year 1 (Part I)

Part I provides a foundation across a wide range of linguistic subfields taught within the Faculty.

You take the following four papers:

- Sounds and Words – an introduction to phonetics, phonology and morphology
- Structures and Meanings – looking at topics including sentence construction, semantics and pragmatics
- Language, Brain and Society – considering the relationships of language to cognitive and social factors
- History and Varieties of English – a linguistic analysis of contemporary variation and historical change in English

Year 2 (Part IIA)

Part II allows you to specialise in the areas which particularly interest you. There's a wide choice of topics to choose from, taught by the Linguistics team as well as other faculties and departments.

In Part IIA, you take four papers chosen from a wide range of options dealing with different linguistic levels and perspectives, which may include the following as well as many more from other faculties and departments (but not all options are offered every year):

- Phonetics
- Phonology
- Morphology
- Syntax
- Semantics and Pragmatics
- Historical Linguistics
- History of Ideas on Language
- History of English
- History of French
- Language Acquisition
- Psychology of Language Processing and Learning
- Computational Linguistics
- Language Typology

Year 3 (Part IIB)

In Part IIB, you take:

- Linguistic Theory – a general theory paper
- two further papers from the remaining Part IIA options

For your fourth paper, Part IIB also includes an element of individual research as you write a dissertation of 8,000-10,000 words on a topic of your choice.

www.maths.cam.ac.uk admissions@maths.cam.ac.uk 01223 337968

Mathematics

Including Mathematics with Physics

Cambridge is renowned for the excellence of its Mathematics course. Equally challenging and rewarding, it offers the opportunity to study a wide range of subjects, from abstract logic to black holes.

Flexibility: a course that suits you

Two aspects of the course that our students greatly appreciate are its flexibility and the breadth of subjects offered. The amount of choice increases each year and after Year 1 you can choose the number of options you study. Some students take as many lecture courses as they can; others take fewer and study them very thoroughly.

This structure allows you to keep your options open, giving you the opportunity to discover your strengths, extend your knowledge and develop your interests before specialising.

Our Faculty

Since Sir Isaac Newton was Lucasian Professor (1669-96), mathematics teaching and research here have been enhanced by a string of brilliant mathematicians, including seven Fields Medallists and several Nobel Prize winners. Most current Faculty members are leading international authorities on their subject.

Careers

A Cambridge Mathematics degree is versatile and very marketable. The demand for our mathematicians is high in business, commerce and industry, as well as the academic world.

Around 38 per cent of our students go on to further study[1], while others follow a wide variety of careers. Recent graduates include a meteorologist, games designer, biomedical research scientist, sports statistician, journalist, cybersecurity analyst, and an AI research engineer, as well as teachers, actuaries, accountants, IT specialists, financiers and consultants.

STEP

STEP consists of two examination papers used to assess your aptitude for university study in Mathematics. It's used as part of almost all conditional offers in Mathematics (including Mathematics with Physics). For information about STEP, see p154. The University offers a free online STEP support programme (**www.maths.org/STEP**) designed to help prospective applicants develop advanced problem-solving skills and prepare for the STEP exams.

"My Mathematics degree at Cambridge was inspiring and demanding, but most importantly academically rewarding, and it opened up opportunities I never knew existed."

Zoe

[1] Based on responses to the Graduate Outcomes survey. This records the outcomes of students who completed their studies between August 2019 and July 2020. 56 per cent of Mathematics graduates responded to the survey.

Fact file

Duration Three years – BA (Hons)
Four years – MMath

2022 entry Applications per place: 6
Number accepted: 252

Typical offers require

A Level A*A*A + STEP
IB 40-42 points, with 776 at Higher Level + STEP

Other qualifications See p153-4

All Colleges require
A Level/IB Higher Level Mathematics, A Level Further Mathematics, STEP (see p154)

Some Colleges require
A Level/IB Higher Level in a science subject; A Level/IB Higher Level Physics (for Mathematics with Physics only)

Check our website for more information about the subjects our typical entrants have studied.

Admission assessment
Some Colleges require applicants to take a written assessment if shortlisted for interview: Cambridge College registered (see p43 and www.cam.ac.uk/assessment)

Colleges

Available at all Colleges except Wolfson

Most Colleges don't encourage deferred entry

Location

Map reference X (see p158-9)

Open days 2023

Cambridge Open Days – see p156-7

Other open days and events can be found at www.cam.ac.uk/ugevents.

Related courses

Computer Science	60
Economics	64
Engineering	69
Natural Sciences	103

Course outline

In Year 1, you typically have 12 lectures and two supervisions each week. In the following years, the greater choice and flexibility means that the pattern of lectures and supervisions is more variable, but the average load is roughly the same.

You sit four written examination papers each year in the first three years.[2] In addition, there are optional computer projects in Years 2 and 3. In the fourth year, each course is examined individually, and you have the option of submitting an essay on a current research topic.

Year 1 (Part IA)

In the first year, there are two options to choose from:

- Pure and Applied Mathematics, for students intending to continue with Mathematics
- Mathematics with Physics, for students who may want to study Physics after the first year

You will be asked to indicate which option you wish to take as part of the My Cambridge Application form (see p8), though it's possible to change when you start the course. You can still continue with Mathematics in the second year if you take Mathematics with Physics.

Part IA introduces you to the fundamentals of higher mathematics, including:

- the study of algebraic systems (such as groups)
- analysis (a rigorous study of functions and concepts from calculus)
- probability
- mathematical methods (such as vector calculus)
- Newtonian dynamics and special relativity

You take eight papers. Those taking Mathematics with Physics replace two Mathematics subjects with Part IA Physics from Natural Sciences (p103), covering, for example, kinetic theory, electromagnetism, and practical work in a laboratory.

Year 2 (Part IB)

In Part IB, you choose from around 15 options available. In most, the topics of the first year are studied in much greater depth, but some new topics are offered, for example:

- geometry
- electromagnetism, quantum mechanics and fluid dynamics
- numerical analysis
- applicable mathematics, which includes statistics and optimisation (a rigorous way of finding optimal solutions)

You decide how many papers to take (most students take between eight and 10). There is also a computational projects course (assessed by means of reports and programs submitted before the summer examinations), using computational techniques to investigate mathematical problems.

Year 3 (Part II)

Year 3 gives you the opportunity to explore your mathematical interests in detail. There is a very wide choice, for example:

- cryptography
- algebraic topology
- number theory
- cosmology
- general relativity
- stochastic financial models
- waves
- automata and formal languages
- mathematical biology
- the mathematics of machine learning

There is also a computational projects course.

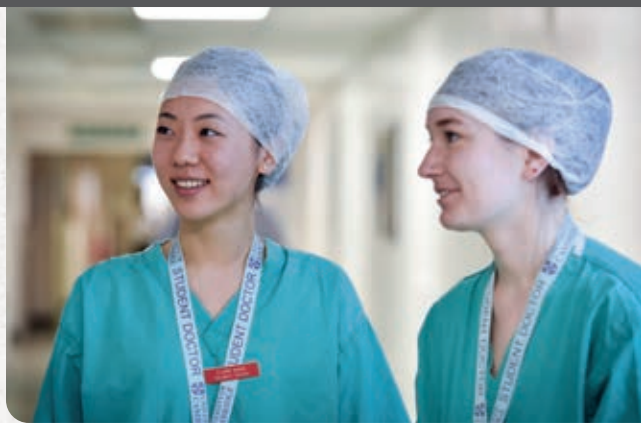
Year 4 (Part III, optional integrated Masters)

Part III has a world-wide reputation for training the very best research mathematicians. Progression to Part III, in which around 75 to 80 options are offered, normally requires a first in Part II or a very good performance in Parts IB and II, and successful completion leads to a BA with MMath. See the Faculty website for more details.

[2] The formal description of the undergraduate course is contained in the Schedules booklet, which is updated as necessary every year: www.maths.cam.ac.uk/undergrad/files/schedules.pdf

www.medschl.cam.ac.uk/education/prospective

Medicine



At Cambridge, we offer two medicine courses – the Standard Course and the Graduate Course. Throughout, our aim is to educate students to become compassionate, thoughtful, skilled members – and leaders – of the medical profession.

Hard work, very rewarding

Success in medicine requires application and hard work, both while studying and when in practice. However, medicine brings great personal rewards, offering a breadth and variety of career opportunities and excellent job satisfaction. No day in the life of a doctor is the same! The application of knowledge and research evidence to patient care provides a unique opportunity to combine scientific expertise with the human interactions that lie at the heart of the profession.

Our courses are intellectually stimulating and professionally challenging. As a medical student, you'll experience a rigorous, evidence-based medical education within the research-rich environment of the University. Students have opportunities to pursue research and project work throughout the course.

Careers

We enable students to develop the excellent communication, clinical, interpersonal and professional skills required for good medical practice. Our focus on combining training in the core medical sciences with a broad-based clinical curriculum, encompassing primary, community-based and hospital care, prepares our students for a range of careers across general practice, medicine, psychiatry and other specialities.

The MB/PhD Programme

Designed for Standard Course medical students who are interested in a career in academic medicine, the MB/PhD Programme intercalates three years of research between Years 4 and 5. See online for more details (**www.medschl.cam.ac.uk/education/courses/mbphd**).

UK Foundation Programme and Medical Licensing Assessment (MLA)

Graduates are entitled to hold provisional registration with the General Medical Council (GMC) with a licence to practise, subject to demonstrating to the GMC that they are fit to practise (please note this may be subject to change). To apply for full registration as a doctor, you must satisfactorily complete the first year of a Foundation Programme post and continue to meet fitness to practise requirements. For more information visit **www.foundationprogramme.nhs.uk**.

A national MLA, to be taken by students in the final year of Medical School, will be introduced in 2024/25. Further information can be found at **www.gmc-uk.org/education**.

NHS Bursaries

NHS Bursaries (**www.nhsbsa.nhs.uk/nhs-bursarystudents/medical-and-dental-students**) are currently available for eligible Medicine students from Year 5 of the Standard Course, or from Year 2 of the Graduate Course.

"Medicine here is incredible. In the first year, we have full body dissection (offered in very few UK medical schools), which is an amazing way to learn anatomy."

Mhairi

Fact file

Duration Standard course
Six years – MB, BChir

2022 entry Applications per place: 7
Number accepted: 271

Typical offers require

A Level A*A*A
IB 40-42 points, with 776 at Higher Level

Other qualifications See p153-4
See p94 for subject requirements

Admission assessment
BMAT: pre-registration required (see p43 and www.cam.ac.uk/assessment)

Age
Applicants must be 18 by the beginning of November of Year 1

Colleges Standard Course available at all Colleges except Hughes Hall

Location
Map references D, M (see p158-9)

Open days 2023
Cambridge Open Days – see p156-7

Other open days and events can be found at www.cam.ac.uk/ugevents.

Related courses

Engineering	69
Law	86
Natural Sciences	103
Psychological and Behavioural Sciences	108

Course outline – Standard Course

At Cambridge, you study the medical sciences first, before learning to apply that knowledge to medical practice as a clinical student.

The first three years (pre-clinical studies) involve lectures, practical classes (including dissections) and supervisions, with typically 20-25 timetabled teaching hours each week. The emphasis during clinical studies (Years 4, 5 and 6) is on learning in clinical settings: at the bedside, in outpatient clinics and in GP surgeries, which is supported by seminars, tutorials and discussion groups.

Assessment, both formative and summative, plays a significant role throughout. Your ongoing progress is reviewed weekly and termly by your College supervisors. Formal assessment, which determines your ability to proceed with the course, includes written and practical examinations, coursework submission and clinical assessments.

Successful completion of the first three years leads to a BA degree and on successful completion of the clinical studies in Cambridge you are awarded two degrees, the Bachelor of Medicine and the Bachelor of Surgery (MB, BChir).

Years 1, 2 and 3 (pre-clinical studies)

Years 1 and 2

In Years 1 and 2, you study the medically-relevant core scientific knowledge and skills needed as a medical professional. Surrounded by some of the world's best academic biomedical scientists, we provide you with the scientific basis that will allow you to develop your medical career to the full, whether your aim is to deliver outstanding patient care or you wish to contribute to clinical academic medicine, combining research and teaching with clinical duties to push forward the boundaries of health care.

Read more about Years 1 and 2 on the Faculty of Biology website: www.biology.cam.ac.uk/undergrads.

Year 3

You specialise in one of a wide range of other subjects offered by the University (sometimes known elsewhere as intercalation) to qualify for the BA degree. Options include:

- Part II Biological and Biomedical Sciences (see p105)
- a single Part II Natural Sciences subject (see p105)
- a non-core science subject, such as Anthropology, Management Studies, History of Medicine or Philosophy

Preparing for Patients continues in your third year, regardless of the subject you choose to study. During this year, you visit community-based health-related agencies.

Students taking the affiliate course skip the third year, because they already hold another degree.

Years 4, 5 and 6 (clinical studies)

As a student, your time on clinical placements will be shared between Cambridge Biomedical Campus and Cambridge University Hospitals NHS Foundation Trust, and other regional hospitals and GP practices throughout the East of England.

Throughout your clinical studies, you build on your biomedical science education; developing the knowledge, skills and attitudes required to practise clinical medicine. Following an introductory course, each of the three years has its own focus – core clinical practice (Year 4), specialist clinical practice (Year 5) and applied clinical practice (Year 6) – and is built around several major themes, including:

- communication skills, patient investigation and practical procedures
- therapeutics and patient management
- improving health
- core clinical science, pathology and diagnostic reasoning
- evaluation and research
- professionalism and patient safety

You have weekly small-group clinical supervisions with junior doctors to develop and monitor your clinical skills.

For more information about the clinical course, visit the School of Clinical Medicine website: www.medschl.cam.ac.uk/education/prospective.

→

Selection

Applicants must be keen scientists with a sound scientific understanding. As selection for medical school implies selection for the medical profession, admissions decisions are informed by national guidance on what makes a good doctor.

In addition:

- trainee doctors must satisfy the GMC's fitness to practise requirements, both when applying and throughout the course
- offer holders are required to undergo an enhanced Disclosure and Barring Service (DBS) check or equivalent overseas check
- successful applicants are required to complete a confidential occupational health questionnaire, undertake health screening and will be offered immunisations against certain infectious diseases

See full details at: **www.undergraduate.study.cam.ac.uk/courses/medicine**.

If you are a disabled applicant (including neurodiversity or a long-term health condition), you should contact a College Admissions Tutor as early as possible to discuss your particular situation and the course requirements. Such disclosures will be considered independently of your academic qualifications and the interview process.

"I chose Medicine because it's very academically and scientifically driven at the outset and more clinical towards the end, which opens up options when I leave."

Simon

Entry requirements for Medicine

You may enter up to four medical courses in your UCAS application. Your remaining choice can be used for an alternative course without prejudice to your commitment to medicine.

'Science/mathematics subjects' refers to Biology, Chemistry, Physics, Mathematics and Further Mathematics. It does not include Psychology.

A Levels

- A Levels in Chemistry and at least one of Biology, Physics, Mathematics.
- Most applicants for Medicine at Cambridge have at least three science/mathematics A Levels and some Colleges require this and/or particular subjects. See College websites for details.

Please note that in the past three admissions rounds, 93 per cent of applicants for Medicine offered three or more science/mathematics A Levels and, of these, 19 per cent were successful in obtaining a place. Of the seven per cent of applicants who offered only two science/mathematics A Levels, just three per cent were successful in gaining a place. Check our website for more information about the subjects our typical entrants have studied.

International Baccalaureate

A Level subject requirements also apply to the IB. Higher Level subjects satisfy A Level subject requirements.

Other examination systems

See p153-4 and consult any College Admissions Tutor for further advice.

Admission assessment

All Standard Course applicants (including applicants to mature Colleges) are required to take the Biomedical Admission Test (BMAT) (**www.cam.ac.uk/assessment**). You should be registered by your assessment centre, often your school or college. Please see the website for details, including the registration deadline.

Work experience

To develop understanding of what a career in medicine involves and your suitability for your intended profession, you are strongly advised to undertake some relevant work experience, either paid or voluntary, in a health or social care organisation.

We are not prescriptive about how this is obtained, recognising the widely differing opportunities available.

Graduate entry

Graduates may apply for the Standard Course as an affiliate student (see p39) to Lucy Cavendish, St Edmund's or Wolfson Colleges, with:

- a good Honours degree (2.1 or above) in any discipline
- passes at A Level (or equivalent), as above

Affiliate students complete the course in five years, moving from the end of Year 2 to clinical studies.

Graduates from any academic discipline may apply to the accelerated Graduate Course in Medicine (see opposite) at Lucy Cavendish, Hughes Hall, St Edmund's or Wolfson Colleges. Competitive applicants will have at least A*A*A (if you graduated with a 2.1 or have yet to complete your first degree) or ABB (if you have graduated with a 1st class degree). A Level Chemistry, or equivalent, will normally have been achieved within seven years of entry. Results in equivalent qualifications, or from universities that use different grading structures, will be considered. This course is only available to Home fee status students. Please check the website for further information on eligibility restrictions and academic requirements.

Overall, graduate medical students with an undergraduate degree in an arts or humanities subject perform equally well on the course as those with biomedical sciences degrees.

www.medschl.cam.ac.uk/cgc

Graduate Course in Medicine

In addition to the Standard Course, we also offer the Graduate Course in Medicine. Open to graduates of any discipline (see opposite for entry requirements and check the website for eligibility restrictions), successful completion of the accelerated Graduate Course leads to the MB, BChir degrees in four years.

The Graduate Course integrates core medical science with clinical medicine, with an emphasis on the development of clinical skills through direct patient contact in hospital and community environments throughout the East of England.

All applicants for this course need to complete the specific Graduate Course in Medicine application form in addition to their UCAS application.

You can find full details about the Graduate Course online at: **www.medschl.cam.ac.uk/cgc**.

Fact file

Duration Four years – MB, BChir

2022 entry
Applications per place: 14
Number accepted: 37

Colleges Graduate Course available at Hughes Hall, Lucy Cavendish, St Edmund's and Wolfson only

It is not possible to apply for deferred entry to the Graduate Course in Medicine

Open days 2023
Cambridge Open Days – see p156-7

Other open days and events can be found at **www.cam.ac.uk/ugevents**.


ROMA
35788N

www.mmll.cam.ac.uk facultyoffice@mmll.cam.ac.uk 01223 335000

Modern and Medieval Languages

Cambridge offers exceptional opportunities to study the languages and cultures of most European (and many non-European) countries. Our students acquire advanced linguistic and critical skills, as well as intercultural sensitivity, which makes them extremely sought after in the job market.

Modern and Medieval Languages (MML) at Cambridge

The Cambridge course is hugely flexible and offers a broad and multifaceted approach to the study of language and culture. You can pursue your interests in many areas – from Italian Renaissance art to contemporary Brazilian cinema and medieval German folk tales to socialist realism in Stalin's Russia. MML also includes options in linguistics, such as the historical and cognitive dimensions of the languages you're studying.

All our students study two languages (see p98), one of which can be learnt from scratch (the exceptions being French and Latin, for which A Level/IB Higher Level standard is required). No matter what your proficiency when you arrive, you leave with near native-speaker competence in at least one of your languages. Most of our language classes are run by native speakers.

We are a large and diverse Faculty which consists of six sections, whose members are internationally renowned experts in their fields. In the *Guardian University Guide 2023*, Cambridge came third for languages and linguistics.

Facilities and resources

Our students make good use of the Faculty library, the Media Centre (equipped for film studies) and extensive online Computer-Assisted Language Learning (CALL) resources, as well as bespoke language teaching and learning materials available at the Language Centre.

A year in...

MML students spend their third year abroad in one of three ways: they attend a foreign university, become an English-speaking assistant at a school, or do an internship with a firm. In the past, some have:

- worked for an investment bank in Frankfurt
- studied International Relations at St Petersburg State University
- interned with a Barcelona law firm
- interned with an international fashion brand in Paris
- taught English as a British Council assistant in Mexico

You can tailor your year abroad to suit your own interests and later career goals, providing you spend at least eight months abroad and are constantly immersed in one of the foreign languages you are studying. If you wish, you can split the year between two countries, spending at least three months in each (**www.mmll.cam.ac.uk/ya**).

"The teaching staff are so welcoming and give up loads of time to ensure the most productive experience possible. The year abroad is the icing on the cake."

Rory

www.mmll.cam.ac.uk facultyoffice@mmll.cam.ac.uk 01223 335000

Careers

Fluency in a foreign language, an understanding of foreign cultures, analytical and research skills are all in great demand on the job market. Employers – even those who are not primarily interested in languages – particularly value the experience, independence and cross-cultural awareness our graduates have gained during their year abroad.

Most graduates use their languages in their work, and all build on the many skills developed during their degree.

Our graduates find an array of different jobs open to them. Recent destinations include the BBC World Service, international law firms, UNICEF and KPMG.

For a small number, the degree is more directly vocational: they become professional linguists (language teachers, translators or interpreters), usually after further specialised training. For further information on what our graduates go on to do, see: **www.mmll.cam.ac.uk/applying/careers**.

Languages you can study

You can study two of:

- French
- German
- Italian
- Portuguese
- Russian
- Spanish

Alternatively, you can combine any of these with either Classical Latin (if you're taking it at A Level/IB Higher Level) or Classical Greek (which can be studied either post-A Level or from scratch).

If you wish to combine one of these modern European languages with Arabic, Hebrew or Persian, you can do so within the Asian and Middle Eastern Studies degree course (see p53-5).

It is also possible to combine one of these modern European languages with History – see History and Modern Languages (p78).

Want to study more than two languages?

In the second and fourth years, it may be possible to take an introductory course in a language and culture you haven't studied before. The languages offered are subject to availability but may include Catalan, Modern Greek, Polish, Portuguese and Ukrainian.

Another possibility (open to any member of the University) is to take a one-year course at the University's Language Centre (see p15) to obtain a further language qualification. Courses are currently available in basic Arabic and Mandarin; and in basic, intermediate and advanced French, German, Italian, Russian and Spanish.

Fact file

Duration Four years – BA (Hons)
(Year 3 spent abroad)

2022 entry Applications per place: 2
Number accepted: 144

Typical offers require

A Level A*AA
IB 40-42 points, with 776 at Higher Level

Other qualifications See p153-4

All Colleges require
A Level/IB Higher Level in at least one of the languages you want to study.

Check our website for more information about the subjects our typical entrants have studied.

Admission assessment
Written assessment: Cambridge College registered (see p43 and www.cam.ac.uk/assessment)

Colleges Available at all Colleges

Location
Map reference S (see p158-9)

Open days 2023
Cambridge Open Days – see p156-7

Other open days and events can be found at www.cam.ac.uk/ugevents.

Related courses

Anglo-Saxon, Norse, and Celtic	46
Asian and Middle Eastern Studies	53
Classics	58
English	72
History	76
History and Modern Languages	78
Linguistics	88

Course outline

Teaching is made up of lectures, seminars, language classes, intensive oral work in small groups, and supervisions. For your language classes, you receive individual feedback from your teachers, outlining how you can improve further. For your supervisions, you prepare written work which you then discuss with a specialist in the field. In your first year, you can generally expect around 12-14 hours of teaching each week.

You're assessed at the end of each year, primarily through written and oral examinations, and the submission of an extended translation or research project at the end of Year 3. You may also offer a second dissertation instead of one of the Part II written examination papers.

Year 1 (Part IA)

You study two languages, at least one at post-A Level/IB Higher Level standard. You will be asked to indicate which languages you are interested in studying as part of the My Cambridge Application form (see p8). The choice isn't final, and some students change their mind before (or after) they start.

The main emphasis in Year 1 is on developing your language skills by studying a wide variety of authentic texts and audio-visual material, as well as through a variety of teaching methods including Faculty classes of up to 15 students, and supervisions in groups of two or three.

You also take an introductory paper in which you explore three or more of the following topics:

- literature
- linguistics
- history
- thought
- film
- art

Year 2 (Part IB)

In your second year, you take five papers in total. You continue intensive language study with the aim of acquiring native or near-native fluency in both languages, and choose from a wide range of papers covering topics such as:

- literature
- linguistics
- history
- thought
- film
- art
- an introduction to a language and culture you haven't studied before

You have the option to replace one exam with coursework in the second year.

Years 3 and 4 (Part II)

Year 3

In the third year, you spend at least eight months abroad, during which time you prepare a project that counts as one sixth of your final mark. This can be a dissertation (extended research project), a translation project or a linguistics project.

Just before the fourth year starts, you take an oral examination back in Cambridge.

Year 4

You take five further papers and are free to specialise in one language, to combine options from two or more languages, to take comparative options and/or to take up to two options from certain other courses (eg English, History).

You do advanced language work and focus on topics such as literature, linguistics, thought, history, politics, film etc in one or two of your languages.

There are also a number of comparative papers on offer which allow you to combine the study of both of your languages. These may include papers on European film, and the linguistics of the Germanic, Romance and Slavonic language families. Many students replace one of their written papers with a dissertation (currently 8,000-10,000 words).

www.mus.cam.ac.uk undergraduate@mus.cam.ac.uk 01223 761309 / 763481

Music

Our course covers a broad range of music, from medieval plainchant to the blues, and a great range of approaches to thinking about and understanding music, from advanced analysis to the study of music and science.

Music at Cambridge

Over recent decades many of the most significant figures in British music have studied or taught at Cambridge: composers such as Judith Weir, Errollyn Wallen, Thomas Adès and Academy Award-winning film composer, Steven Price; performers like Joanna MacGregor and Mark Padmore; conductors including John Eliot Gardiner and Nicholas Collon; writers and broadcasters, including Sara Mohr-Pietsch (Radio 3) and crossover artists such as Delia Derbyshire and Clean Bandit.

Our undergraduate course has a strong academic component, particularly focusing on history, analysis, composition and performance, but also offering a range of other topics (see the course outline).

Facilities and resources

As well as providing a location for lectures, seminars and research activities, the modern Faculty building also houses:

- a professional concert hall (seating 500)
- an extensive library of music, books, periodicals and recordings
- a purpose-built recording studio
- music computing laboratories

The Faculty also houses the Centre for Music Performance.

Students can borrow period instruments and make use of the Faculty's Javanese gamelan, and the Faculty organises a weekly Composers' Workshop and regular Practising Performance Masterclasses that are open to all students.

In addition, the Faculty hosts several resident and associate ensembles (the New Music Ensemble, Collegium Musicum, Britten Sinfonia and The Academy of Ancient Music) which perform regularly and offer masterclasses, coaching and further composition workshops for students.

These facilities and resources are complemented by the University Library and by the libraries, practice rooms and computer suites available in Colleges. College funds are available for instrumental or vocal lessons for those taking a performance paper.

Careers

Music graduates are extremely attractive to employers and can follow a career in a wide range of fields thanks to the transferable skills they acquire on our course. In recent years, graduates have pursued successful careers in publishing and the media, academia, arts administration, banking, law, public service and the charity sector.

Many of our students do enter the music profession in one guise or another. Recent graduates include pianist Tom Poster, Royal Harpist Anne Denholm, composer Cheryl Frances-Hoad, jazz musician Misha Mullov-Abbado, and record producer and audio engineer Myles Eastwood.

"Cambridge offers a huge range of ensembles and performing opportunities outside the actual degree itself, so in terms of an all-round musical experience and preparation for the profession, it's really the ideal place."

Joe

Fact file

Duration Three years – BA (Hons)

2022 entry Applications per place: 2
Number accepted: 71

Typical offers require

A Level A*AA
IB 40-42 points, with 776 at Higher Level
Other qualifications See p153-4

All Colleges require
A Level/IB Higher Level Music (ABRSM Grade 8 Theory at merit and above may be accepted as a substitute if A Level Music is not one of the three subjects taken).

Check our website for more information about the subjects our typical entrants have studied.

Admission assessment
Some Colleges require applicants to take a written assessment if shortlisted for interview: Cambridge College registered (see p43 and www.cam.ac.uk/assessment)

Colleges Available at all Colleges except Lucy Cavendish

Location
Map reference S (see p158-9)

Open days 2023
Cambridge Open Days – see p156-7

Other open days and events can be found at www.cam.ac.uk/ugevents.

Related courses

History	76
History of Art	80
Human, Social, and Political Sciences	82
Philosophy	106
Psychological and Behavioural Sciences	108

Course outline

Teaching is provided through lectures, seminars, supervisions, workshops and masterclasses. In your first year, you can typically expect to have four lectures, three supervisions, and aural and practical musicianship classes each week. In later years, lectures decrease to make way for more seminar, small-group and one-to-one teaching.

You can also work with individual staff members on your own projects, whether as an advanced performer, composer, historian, analyst, ethnomusicologist or music scientist. In this way, while our course gives you the solid understanding of the subject which a music degree should guarantee, it also offers you the flexibility you need to prepare for life after Cambridge.

Assessment takes place at the end of each year through written examinations; the submission of portfolios, compositions, essays and dissertations; and through recitals.

Year 1 (Part IA)

The first year consists of compulsory papers in three major areas, and two half-papers chosen from a range of options. These papers provide a secure and interconnected foundation for your further study. You take:

- historical and critical studies – two papers covering issues involved in understanding music and its relationship to society and culture. These include studying historical topics in Western music and thinking broadly about the place of music in contemporary societies (world music, popular music, new music)
- tonal skills and general musicianship – one and a half papers giving you a thorough technical grounding in music of the Western tonal tradition, through writing music in a range of historical styles, aural work, and the acquisition of basic practical skills
- music analysis – a paper that gives you an understanding of what makes music work. You will study different approaches to analysing a broad range of music
- two half papers chosen from the following: extended essay, performance, composition, music historiography

Year 2 (Part IB)

You take a further paper in each of the core Part IA areas (historical studies, analysis and applied tonal skills). Subject to Faculty approval, you can replace one of these papers with an option.

You then choose three more papers from a range of different topics. Subjects change from year to year but normally include:

- in-depth historical topics
- jazz, popular music and media
- ethnomusicology
- notation
- keyboard skills
- music and science
- performance studies (including recital)
- composition
- a dissertation of 5,000-7,000 words

Year 3 (Part II)

In the final year, you have even more choice. There are no compulsory papers – you choose six papers from a wide selection of options which reflect your own interests and which may also develop the skills and knowledge needed for your chosen career path. Options available vary each year but recent examples include:

- advanced performance
- advanced performance skills (keyboard or choral)
- a dissertation of 7,000-10,000 words
- composition
- Beethoven: the Late String Quartets
- Musical Countercultures of the 1960s
- Exploring Music Psychology
- Parisian Polyphony
- Music, Nationalism and Politics in Spain
- Brahms's *Ein Deutsches Requiem* in Context
- Decolonising the Ear


audio-technica
97049

www.natsci.tripos.cam.ac.uk natsci@admin.cam.ac.uk

Natural Sciences

Natural Sciences is the framework within which most science subjects are taught at Cambridge. The course offers the biological and physical sciences listed overleaf, and the option to specialise or to study a range of subjects.

Natural Sciences at Cambridge

Natural Sciences offers a wide range of physical and biological science subjects from 16 departments in a unique and demanding course. A broad first year is combined with increasing specialisation in the second year, and the possibility of total specialisation from the third year.

The breadth of the course reflects the blurring of boundaries between the different sciences and before committing yourself to one department you study a variety of subjects, some of which may be new to you. This means you can change your mind about which subject to specialise in.

Visit the Departments' websites for in-depth subject information and details about current research. All of these sites, as well as suggested reading for prospective students, can be accessed from the Natural Sciences website at: **www.natsci.tripos.cam.ac.uk**.

Flexibility and choice

The flexibility of the course makes it possible to take purely biological sciences, purely physical sciences or a combination of both, according to your interests.

Many students discover a passion for the new subjects that they start in the first year, such as Earth Sciences or Materials Science, and continue with these in subsequent years.

Most students pursue a single advanced subject in Year 3 (Part II), and undertake a research project or dissertation in that field. Alternatively, you can take a broader option in either the Biological Sciences or the Physical Sciences. Visit **www.natsci.tripos.cam.ac.uk/subject-information/part2** for more details.

After Natural Sciences

Around half of our graduates continue with further study or research[1]: indeed, Natural Sciences prepares students very well for the challenges of research, especially in emerging, interdisciplinary areas. The other half go directly into a broad range of careers including teaching, product development, investment banking and management consultancy.

One of the strengths of the Natural Sciences course is that students develop a range of skills that are highly valued by employers of all types and become well prepared for life beyond Cambridge, whichever pathway they choose.

"Natural Sciences has allowed me to explore areas of science not covered in school and to discover alternative pathways, such as Earth Sciences, and to see the links between different scientific disciplines."

Jenny

[1] Based on responses to the Graduate Outcomes survey. This records the outcomes of students who completed their studies between August 2019 and July 2020. 64 per cent of Natural Sciences graduates responded to the survey.

www.natsci.tripos.cam.ac.uk natsci@admin.cam.ac.uk

Entry requirements for Natural Sciences

'Science/mathematics subjects' refers to Biology, Chemistry, Physics, Mathematics and Further Mathematics. It does not include Psychology.

All Colleges require

A Levels/IB Higher Level Mathematics and A Levels/IB Higher Levels in two other science subjects, see also subject requirements for Year 1 options (see right).

Further guidance

In exceptional circumstances, applicants with only two science/mathematics subjects and Biological Sciences applicants without Mathematics may be considered. Check the website for further details and for more information about the subjects our typical entrants have studied.

A Levels

Your subject choices at A Level may restrict your Part IA subject choice. The more useful subject combinations are:

- A Level Chemistry, A Level Mathematics, and A Level Physics
- A Level Physics, A Level Mathematics and A Level Further Mathematics
- A Level Biology, A Level Chemistry, and A Level Mathematics

International Baccalaureate

The A Level subject advice above also applies to the IB.

- For Natural Sciences (Physical) if taking Higher Level Mathematics applicants are expected to take Analysis and Approaches. If this option is not available at your school, please contact the College that you wish to apply to directly for further advice and guidance.
- For Natural Sciences (Biological) if taking Higher Level Mathematics we recommend Analysis and Approaches for the most competitive application, however Applications and Interpretations will also be considered.

Other qualifications

See p153-4 and consult any Admissions Tutor for further advice.

Admission assessment

Written assessment (pre-registration required), (see p43 and www.cam.ac.uk/assessment).

Subject requirements for Year 1 options

Biology of Cells:

Highly desirable A Level Chemistry
Useful preparation A Level Biology

Chemistry:

Essential A Level Chemistry (A Level Mathematics is essential to continue to Chemistry A in Part IB)
Highly desirable AS/A Level Mathematics

Earth Sciences:

Essential A Levels in at least two science subjects
Note No previous subject knowledge necessary

Evolution and Behaviour:

Highly desirable A Level Biology

Materials Science:

Essential A Level Mathematics, and either Chemistry or Physics

Physics:

Essential A Level Mathematics and Physics or Mathematics and Further Mathematics, including the section on Mechanics
Useful preparation AS/A Level Further Mathematics

Physiology:

Useful preparation AS/A Level Biology and/or Physics

Mathematics options

Mathematics (focusing on Physical Sciences):
Essential A Level Mathematics
Mathematical Biology (focusing on Biological Sciences):
Highly desirable A Level Mathematics

Fact file

Duration Three years – BA (Hons)
Four years (some subjects) – MSci

2022 entry Applications per place: 5
Number accepted: 544

Typical offers require

A Level A*A*A
IB 40-42 points, with 776 at Higher Level

Other qualifications See p153-4

See box on the left for subject requirements

Admission assessment
Written assessment: pre-registration required (see p43 and www.cam.ac.uk/assessment)

Colleges Available at all Colleges

Location
Map references C, D, J, M, W (see p158-9)

Open days 2023
Cambridge Open Days – see p156-7

Other open days and events can be found at www.cam.ac.uk/ugevents.

Related courses

Chemical Engineering and Biotechnology	56
Engineering	69
Geography	74
Mathematics	90
Psychological and Behavioural Sciences	108

Course overview

Natural Sciences allows you to experience new areas of science, discover the interconnections between apparently discrete subjects, and gain an insight into different scientific methods.

Please note that some subjects have essential or desirable subject requirements in order for students to be allowed to take them.

For more detailed information on the subjects currently offered, subject content and the pre-requisite subjects needed to study each option, please see left and visit the Natural Sciences website (www.natsci.tripos.cam.ac.uk).

Year 1 (Part IA)

You choose three science subjects from a wide range, covering:

- Biology of Cells
- Chemistry
- Earth Sciences
- Evolution and Behaviour
- Materials Science
- Physics
- Physiology
- Psychology (subject to timetable restrictions)

You will also study one mathematics option focusing on techniques in either the Physical or Biological Sciences.

Year 2 (Part IB)

You choose a combination of three subjects, drawn from the following areas:

- Animal Diversity
- Biochemistry
- Cell Biology
- Chemistry A: Physical & Theoretical Chemistry
- Chemistry B: Organic & Inorganic Chemistry
- Computational Biology
- Conservation
- Developmental Biology
- Earth Sciences A: Earth Surface Environment Sciences
- Earth Sciences B: Earth Subsurface Process Sciences
- Ecology
- Environmental Sciences: Quantitative Approaches
- Evolution
- Genetics
- History and Philosophy of Science
- Materials Science
- Mathematics
- Microbiology
- Molecular Biology
- Neurobiology
- Pathology
- Pharmacology
- Physics A: Waves, Quantum Mechanics, Condensed Matter Physics
- Physics B: Dynamics, Electromagnetism, Thermodynamics
- Physiology
- Plant Sciences

Years 3 and 4 (Parts II and III)

You can opt to follow a broad spectrum Part II subject in Biological or Physical Sciences, or you can choose to specialise in one of a wide range of areas, including:

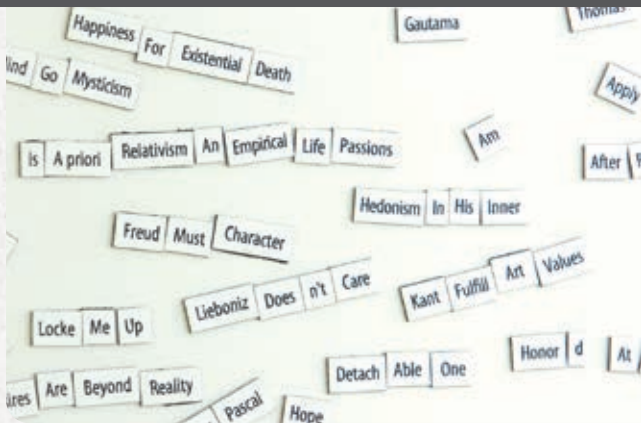
- Astrophysics[1]
- Biochemistry[1]
- Chemistry[1]
- Earth Sciences[1]
- Genetics
- History and Philosophy of Science[1]
- Materials Science[1]
- Neuroscience
- Pathology
- Pharmacology
- Physics[1]
- Physiology, Development and Neuroscience
- Plant Sciences
- Systems Biology (Part III only)
- Zoology
- Quantitative Climate and Environmental Science (Part III only)[2]

Some Part II subjects have competitive entry due to limited space. A full list of the topics available can be found on the Natural Sciences website (www.natsci.tripos.cam.ac.uk/subject-information/part2).

[1] These subjects offer a fourth year/Part III option, leading to an MSci degree.
[2] Subject to approval.

www.phil.cam.ac.uk phil-admin@lists.cam.ac.uk 01223 335090

Philosophy



Do you enjoy arguments on the pros and cons of general issues? Do you relish puzzle-solving? Do you like subjects that emphasise rigorous thought? Our Philosophy course encompasses all of these and much more besides.

Why Philosophy at Cambridge?

Philosophy explores human thought, the basis of knowledge, the nature of reason, consciousness and cognition, as well as the foundations of value and political theory. Its questions are intriguing and its study requires complex critical thinking, rigorous analysis and consideration of new perspectives.

Cambridge occupies a distinguished place in the history of philosophy. It was here, in the early 20th-century, that Russell, Moore, Wittgenstein, Ramsey and others developed the analytic style of philosophy that is now prominent in much of the world. Today, the Faculty retains a strong commitment to this analytic tradition, combining it with study of the history of philosophy from Plato to the present day to offer one of the most far-reaching courses of its kind available anywhere in the world.

Teaching and learning

Our approach emphasises the values of the analytic school: rigour, clarity and independent thought. But its content extends well beyond the analytic tradition and its main preoccupations. For instance, we currently offer papers on Greek and Roman, and early modern philosophy, as well as political philosophy and aesthetics.

You don't need to have studied philosophy previously, but we do recommend you do some preliminary reading (see the Faculty website for suggestions).

The Faculty has close links with related faculties such as Classics, Psychology, and History and Philosophy of Science, so you can take advantage of a wide range of specialised lectures and seminars. You also have access to many excellent libraries.

After Philosophy

Although a Philosophy degree isn't an essential qualification for any particular career, the analytical and critical skills developed through its study (eg rigour, precision, creativity) prepare our graduates for a variety of professions including business, computing, journalism, administration and law. Around a quarter of recent graduates have gone on to further study, with others starting careers in publishing, teaching, banking and investment, arts and recreation, IT and public services.

"The supervision system at Cambridge, coupled with the wide range of modules ensured that I could always study the topics that most interested me to a level of depth that is rare amongst undergraduate courses"

Joe

Fact file

Duration Three years – BA (Hons)

2022 entry Applications per place: 6
Number accepted: 51

Typical offers require

A Level A*AA
IB 40-42 points, with 776 at Higher Level

Other qualifications See p153-4

No specific subjects required by any Colleges

Useful preparation Mathematics, Religious Studies, English (language or literature), Philosophy, History. Check our website for more information about the subjects our typical entrants have studied.

Admission assessment
Written assessment: Cambridge College registered (see p43 and www.cam.ac.uk/assessment)

Colleges Available at all Colleges except Murray Edwards and Queens'

Location
Map reference S (see p158-9)

Open days 2023
Cambridge Open Days – see p156-7

Other open days and events can be found at www.cam.ac.uk/ugevents.

Related courses

Classics	58
Mathematics	90
Natural Sciences	103
Psychological and Behavioural Sciences	108
Theology, Religion, and Philosophy of Religion	110

Course outline

Much of the teaching takes the form of lectures, with additional classes for some subjects (such as first-year Logic classes).

You have weekly supervisions, for each of which you're given topical reading and asked to write an essay which you then discuss with your supervisor. Although it varies throughout the year, each week you typically have between six and 12 lectures, and between one and three supervisions and/or small classes.

Assessment is predominantly by written examinations. However, in Parts IB and II, one written examination can be substituted with two extended essays of 3,000-4,000 words. Part II offers the additional alternative of submitting a dissertation of 6,000-8,000 words on a subject of your choice.

Year 1 (Part IA)

The course is designed to accommodate the many students studying philosophy for the first time.

In the first year, you acquire the reasoning skills that enable you to tackle philosophical problems and to think intelligently about abstract questions generally, not just gather information about who said what. Therefore, you're encouraged to approach topics in your own way and we organise regular discussion groups for first- and second-year students.

Part IA gives you an introduction to philosophy through the study of five core compulsory papers:

- Metaphysics
- Ethics and Political Philosophy
- Meaning
- Formal Methods, a half paper on philosophical methods
- Set Texts, such as Plato's *Meno*, Descartes' *Meditations on First Philosophy* and J S Mill's *On Liberty* and *The Subjection of Women*

Year 2 (Part IB)

Years 2 and 3 give you the scope to focus on areas that particularly interest you. Part IB allows you to explore the philosophical aspects of a range of issues, both practical and theoretical. In part IB, there are two compulsory papers – Knowledge, Language and the World, and a general paper – and you choose three further subjects from:

- History of Analytic Philosophy
- Ethics
- Aesthetics and Philosophy of Art
- Greek and Roman Philosophy (from Classics)
- Early Modern Philosophy
- Epistemology and Metaphysics of Science (from History and Philosophy of Science)
- Political Philosophy
- Experimental Psychology (from Natural Sciences, involving practical work)

Year 3 (Part II)

Our objective in Part II is to provide you with an understanding of various contemporary debates and to familiarise you with current philosophical concepts. Lectures explore current and new positions on debates and you participate in seminar discussions on advanced subjects.

There are no compulsory papers and you choose four from an extensive range of subjects. These include most of those mentioned above, studied at a more advanced level, as well as several papers covering new areas. Papers recently available include:

- Philosophy of Mind
- European Philosophy from Kant
- Philosophy of Science
- Philosophical Logic
- Political Philosophy
- Philosophy in the Long Middle Ages

It's also possible to take one or two papers from some other courses, such as Classics.

www.pbs.tripos.cam.ac.uk

Psychological and Behavioural Sciences

Psychological and Behavioural Sciences is an exciting, broad and flexible degree that covers all aspects of psychology.

Our course

Psychology is very diverse – overlapping with and contributing to many other disciplines such as anthropology, archaeology, neuroscience, philosophy and sociology.

Psychological and Behavioural Sciences (PBS) at Cambridge gives you the opportunity to study cognitive, social, developmental and biological psychology within the broader context of the behavioural sciences.

The course covers, for example, cognitive psychology, psychopathology, language, brain mechanisms, family relationships and influences, personality, statistics and data-science, and group social behaviour. A wide range of optional courses allow you to study the topics that interest you most in greater depth.

Teaching and facilities

In the Department of Psychology, you're taught by lecturers and researchers of international excellence. Subject societies and seminar programmes offer regular talks from guest speakers too.

In addition to this academic expertise, you have access to the Department library and specialist collections held in associated departments' libraries – amounting to around 50,000 books and more than 150 periodicals – as well as other resources and computing facilities.

Professional accreditation and careers

The University's teaching of psychology is accredited by the British Psychological Society (BPS). This means that students who successfully graduate (with at least second class Honours) achieve the 'graduate recognition' needed to pursue a career in psychology.

Many students continue with further study and research, and graduates are eligible for admission to professional courses in clinical, educational, forensic or applied psychology. Recent graduates of psychology at Cambridge have gone on to positions in psychology and related fields, as well as careers in social, community and charity work, research and teaching.

Our course also equips you with skills and knowledge applicable in a range of professional sectors, including the media, management, the Civil Service, finance, law and business. Some of our former students have gone on to work in destinations as varied as global communications firm Edelman, the Child and Adolescent Mental Health Service, the Cabinet Office, and Arsenal Football Club.

"The PBS course offered me the opportunity to develop my long-standing interest in psychology under the direction of the world's best academics, while also 'viewing' human behaviour through the lens of related disciplines. The depth and breadth of the course is unparalleled."

Leigh

Fact file

Duration Three years – BA (Hons)

2022 entry Applications per place: 11
Number accepted: 87

Typical offers require

A Level A*A*A
IB 40-42 points, with 776 at Higher Level

Other qualifications See p153-4

All Colleges require No specific subjects required by all Colleges, but applicants would normally be expected to have taken A Level/IB Higher Level Biology or Mathematics. Where this is not the case, applicants should show evidence of strong performance in the Sciences to GCSE level (or its equivalent, as demonstrated in a high school transcript).

Check our website for more information about the subjects our typical entrants have studied.

Admission assessment
Some Colleges require applicants to take a written assessment if shortlisted for interview: Cambridge College registered (see p43 and www.cam.ac.uk/assessment)

Colleges Available at all Colleges except Peterhouse

Location

Map references D, M (see p158-9)

Open days 2023

Cambridge Open Days – see p156-7

Other open days and events can be found at www.cam.ac.uk/ugevents.

Related courses

Human, Social, and Political Sciences	82
Natural Sciences	103

Course outline

Teaching is provided through lectures, classes or seminars, and supervisions. Some papers include a practical element, which takes place in laboratories. You can typically expect two lectures a week for each paper.

You also have one or two supervisions a week to discuss your work and develop your reasoning and ideas.

Year 1 (Part IA)

In Part IA, you take a total of four papers, three of which are compulsory:

- Introduction to Experimental Psychology and Neuroscience
- From Subjectivity to Science
- Social, Applied and Individual Differences

The remaining paper is chosen from a selection of around nine options. The optional papers available each year may vary but subjects include:

- biological and social anthropology
- evolution and behaviour
- politics
- philosophy
- sociology

You will be assessed via a range of laboratory reports, and written exams.

Year 2 (Part IB)

Part IB provides specialised training in Developmental Psychology and Biological Psychology, in addition to further developing the research skills for your third year research dissertation.

You take four papers in total, two of which are compulsory:

- Behavioural and Cognitive Neuroscience
- Developmental Psychology

The optional papers are selected from a broad range. The subjects may change from year to year but typically include papers in:

- biological and social anthropology
- history and philosophy of science
- sociology
- neurobiology
- philosophy
- education

You will be assessed via a range of laboratory reports, and written exams.

Year 3 (Part II)

In your final year, you undertake a research dissertation of 7,000 words from a range of topics across the psychological sciences. You also choose a further three papers from a selection available, each of which is assessed via a range of assessments, including written and oral exams.

The subjects of these papers may change from year to year but typically include the following topics:

- social and developmental psychology
- cognitive and experimental psychology
- behavioural and cognitive neuroscience
- criminology
- selected subjects from those offered at Part IB

www.divinity.cam.ac.uk faculty-office@divinity.cam.ac.uk 01223 763002

Theology, Religion, and Philosophy of Religion

A uniquely wide-ranging degree, exploring the religious beliefs which shape so many of the world's most inspiring traditions and fiercest debates.

Interdisciplinary, supportive, outstanding

Worldwide, six out of seven people describe themselves as religious, with religious beliefs influencing society and politics globally. As a graduate of our Faculty, you will be well-equipped to play an important part in this world, valued for your intercultural literacy, critical thinking, research skills and understanding of the depth and nuance of human experience. The Faculty welcomes students from all religious backgrounds and none.

The breadth of this course allows you to choose from a range of approaches to the study of faith. Academic perspectives include history, the careful reading of ancient scriptures, rigorous philosophical analysis, and the latest insights of the social sciences. You can explore connections between faith and literature, science, ethics and politics. Religions covered in depth include Christianity, Judaism, Islam and Hinduism. There is also the opportunity to access papers offered by the Department of Social Anthropology from your second year.

World-class resources

We offer outstanding teaching and a supportive, friendly faculty of experts. You will have access to the latest research and historic resources both within the Faculty, and across the Colleges and University, including a well-stocked library and the vast collection of artefacts in the Fitzwilliam Museum.

Excellent career prospects

Our course equips students with skills which are highly valued in a wide variety of professions. Graduates from the Faculty are in demand from many sectors and enjoy careers in the Civil Service, law, international development, the arts, banking, investment, teaching, the media and communications.

"I had a wonderful time in my three years at the Faculty, studying a fabulously diverse course in a welcoming and progressive environment."

Tiwa

Fact file

Duration Three years – BA (Hons)

2022 entry Applications per place: 2
Number accepted: 43

Typical offers require

A Level A*AA
IB 40-42 points, with 776 at Higher Level

Other qualifications See p153-4

No specific subjects required by any Colleges

Useful preparation Religious Studies, English (language or literature), History, a language. Check our website for more information about the subjects our typical entrants have studied.

Admission assessment
Written assessment: Cambridge College registered (see p43 and www.cam.ac.uk/assessment)

Colleges
Available at all Colleges except Churchill

Location
Map reference S (see p158-9)

Open days 2023
Cambridge Open Days – see p156-7

Other open days and events can be found at www.cam.ac.uk/ugevents.

Related courses

Asian and Middle Eastern Studies	53
Classics	58
English	72
History	76
History of Art	80
Human, Social, and Political Sciences	82
Philosophy	106

Course outline

Teaching is through lectures, classes and supervisions. You can expect up to nine hours of classes and lectures each week (including six for non-language papers and three for languages), as well as a weekly supervision.

Papers are assessed by written examination, coursework or a combination of the two. Papers available may vary from year to year, but recent examples are included.

Year 1 (Part I)

You take five papers designed to give you a broad introduction to the concepts, knowledge and skills required in the main areas of study. The course is designed to accommodate students studying religion for the first time. You choose:

- a paper in biblical studies, either David: Israel's Greatest Hero? or Jesus and the Origins of the Gospel (you can take the other in place of one of the choices below)
- one scriptural language (studied from scratch, no prior knowledge is expected) – Hebrew, New Testament Greek, Qur'anic Arabic or Sanskrit

Plus three other papers from a choice of six, currently:

- Understanding Contemporary Religion – an introduction to the sociological study of religion
- Philosophy of Religion
- Ethics – two papers that introduce key questions in philosophy of religion and ethics, ranging from antiquity to contemporary controversies
- Studying World Religions – history, comparison, dialogue
- The Question of God – exploring some of the major themes of Christian theology
- Christianity and the Transformation of Culture – the study of processes of conversion and Christianization in the late Roman world

Year 2 (Part IIA)

A wide choice of options is available, enabling you to develop a course suited to your own interests. Scriptural languages are optional at this stage and you are able to take a selection of papers from the Department of Social Anthropology if you wish. You choose four papers out of around 17, currently including:

- Theology and Literature
- Themes in World Christianities
- Introduction to Islam
- Ethics and Faith
- Philosophy of Religion: God, Freedom and the Soul
- Christ, Salvation and the Trinity
- Life and Thought of Religious Hinduism and of Buddhism
- Israel in Exile: Literature, History and Theology
- The Letters of Paul
- Christianity in Late Antiquity (to c.600)

You can also choose to take the Part IA Meaning paper from the Philosophy course, which will be taught alongside Philosophy students.

Year 3 (Part IIB)

In your final year, you choose four from a wide range of Special Subjects and interdisciplinary papers (topics may vary), such as:

- Truth, God and Metaphysics
- Theology and Natural Sciences
- World Christianity Decolonising Christendom: The Complex Legacies of Global Christianity
- Self and Salvation in Indian and Western Thought
- New Testament Christology
- Disputed Questions from Medieval and Early Modern Theology
- Charity in Christian Theology

You can choose to write a dissertation of 10,000 words in your third year instead of one paper. You may also continue with a scriptural language.

www.vet.cam.ac.uk/applications admissions.enquiries@vet.cam.ac.uk 01223 330811 / 766365

Veterinary Medicine

Cambridge offers a world-class opportunity to study the scientific basis of veterinary medicine and clinical veterinary science. Our course provides the fundamental building blocks on which to develop and excel in any veterinary field.

Veterinary Medicine at Cambridge

The Department of Veterinary Medicine has an international reputation as a centre of excellence, and is performing world-class veterinary research.

A major strength of the Cambridge course is the extensive use of practical teaching and the emphasis on small-group teaching from Year 1. Our staff includes world leaders in their field and our facilities include state-of-the-art equipment, a five-theatre small animal surgical suite, an equine surgical suite, active ambulatory farm animal and equine units, a diagnostic unit, a superb post-mortem suite, all available for students during their clinical studies, and a Clinical Skills Centre that's available to students in all years. We also have one of Europe's leading cancer therapy units with a linear accelerator for delivering radiotherapy.

Selection

We are looking for committed students who are interested in the scientific principles that underlie both the health and disease of animals. In addition:

- trainee veterinary surgeons must satisfy the Royal College of Veterinary Surgeons' fitness to practise requirements, both when applying and throughout the course
- offer holders are required to undergo a Disclosure and Barring Service (DBS) check or equivalent overseas check
- successful applicants are required to complete a confidential occupational health questionnaire

See full details and guidance at: **www.undergraduate.study.cam.ac.uk/courses/veterinary-medicine**.

If you are an applicant with a disability, including specific learning difficulties, autism or a long-term health condition, you should contact a College Admissions Tutor or the Director of Teaching at the Department of Veterinary Medicine as early as possible to discuss your particular situation and the course requirements. Such disclosures are considered independently of your academic qualifications and the interview process.

Careers

The Cambridge course equips you with the clinical skills and scientific understanding required to enter practice and other areas of veterinary work.

There are also many opportunities to enter research in universities, research council institutes and private companies, and to obtain specialist postgraduate qualifications. In addition, career openings are available with government agencies, animal charities (RSPCA, PDSA etc), pharmaceutical companies, and in academic clinical posts.

"The course is great! I've really enjoyed learning all the science background, while the third year allows you to focus on something that really interests you."

Josie

Fact file

Duration Six years – VetMB

2022 entry Applications per place: 6
Number accepted: 64

Typical offers require

A Level A*AA
IB 40-42 points, with 776 at Higher Level

Other qualifications See p153-4

See below for subject requirements

Admission assessment
Written assessment: pre-registration required (see p43 and www.cam.ac.uk/assessment)

Colleges
Available at all Colleges except Christ's, Corpus Christi, Hughes Hall, King's, Peterhouse and Trinity

Location
Map references D, M, W (see p158-9)

Open days 2023
Cambridge Open Days – see p156-7

Other open days and events can be found at www.cam.ac.uk/ugevents.

Related courses
Natural Sciences 103

Entry requirements for Veterinary Medicine

You may enter up to four veterinary medicine/science courses in your UCAS application. Your remaining choice can be used for an alternative course without prejudice to your commitment to veterinary medicine.

'Science/mathematics subjects' refers to Biology, Chemistry, Physics and Mathematics. It does not include Psychology.

A Levels

- A Levels in Chemistry and at least one of Biology, Physics, Mathematics.
- Most applicants for Veterinary Medicine at Cambridge have at least three science/mathematics A Levels. Check our website for more information about the subjects our typical entrants have studied.

International Baccalaureate

A Level subject requirements also apply to the IB – Higher Level subjects satisfy A Level subject requirements.

Other examination systems

See p153-4 and consult any College Admissions Tutor for further advice.

Admission assessment

All applicants (including applicants to mature Colleges) are required to take a written assessment for which pre-registration is required (see p43 and www.cam.ac.uk/assessment).

Work experience

Work experience is not a requirement for applicants but some experience is useful to understand the profession and what is required of its members.

Graduate entry

Graduates may apply as an affiliate student (see p41) to one of Lucy Cavendish, St Edmund's or Wolfson Colleges with:

- a good Honours degree (2.1 or above, science subjects are desirable)
- passes at A Level (or equivalent), as above

Applicants admitted as affiliate students complete the VetMB degree programme over five years.

www.vet.cam.ac.uk/applications admissions.enquiries@vet.cam.ac.uk 01223 330811 / 766365

Course outline

At Cambridge, you study the basic veterinary sciences first before learning to apply that knowledge to veterinary practice as a clinical student.

During your pre-clinical studies (Years 1-3), you are taught through lectures and practical classes (including 120 hours of dissection across the three years) in the central science departments, and College supervisions – you can typically expect 20-25 timetabled teaching hours each week. The clinical studies teaching is a mixture of lectures (in Years 4 and 5), practicals, tutorials, supervisions and clinical classes, with a lecture-free final year.

In addition, you must complete a minimum of 12 weeks' work experience (pre-clinical extramural study) during the University vacations in Years 1 and 2 to gain knowledge of animal husbandry. During your clinical studies, you must complete at least 26 weeks of clinical extramural study, some of which may be undertaken abroad.

Your progress is continually reviewed by your supervisors and your Director of Studies. Formal assessment, which determines your progression through the course, takes a variety of forms including written essays, short answer questions and practical examinations.

Years 1, 2 and 3 (pre-clinical studies)

Years 1 and 2

Years 1 and 2 are the 'science foundations' phase of the veterinary programme in which you are taught the core scientific knowledge and skills needed as a veterinary professional.

Taught by some of the world's top academic scientists and veterinary surgeons, we provide you with the scientific and practical basis that will allow you to develop your veterinary career to the full, whether your aim is to deliver outstanding care or to push forward the boundaries of academic veterinary medicine.

In addition to core science, you follow the Preparing for the Veterinary Profession course (an introduction to the ethical, social and professional responsibilities of the profession) and courses in animal handling and management.

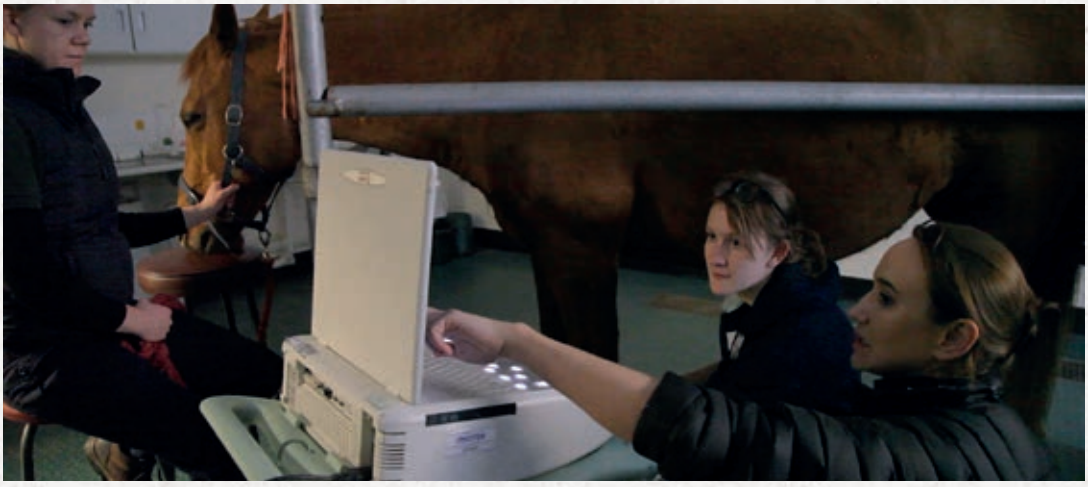
You can read more about Years 1 and 2 online at: **www.biology.cam.ac.uk/undergrads/VetST**.

Year 3

In this 'science phase' of the veterinary programme, you specialise in one of a wide range of other subjects offered by the University to qualify for the BA degree. Options include:

- a single Part II Natural Sciences subject (see p105)
- Part II Biological and Biomedical Sciences (see p105)
- a subject less obviously related to veterinary medicine, such as Anthropology or Management Studies

This feature of the course gives you the opportunity to specialise in an area of interest to you, expanding your knowledge and preparing you for a career after graduation. Following this, you then continue to the three years of clinical studies at the Department of Veterinary Medicine, which is just a short walk or bike ride from the city centre.



Years 4, 5 and 6 (clinical studies)

Years 4 and 5

The emphasis of clinical studies is to give you sufficient clinical knowledge and skills to begin to practise veterinary medicine (including the RCVS Day One Competencies) and to provide you with the scientific awareness you need to understand future advances in veterinary medicine.

Years 4 and 5 represent the 'clinical phase' of the veterinary curriculum. The curriculum has been redesigned to be delivered in species-based courses with some aspects delivered as discipline-related subjects, and includes the following topics:

- Principles of clinical practice – surgery, anaesthesia, radiography and radiology, clinical pharmacology and therapeutics, oncology, clinical pathology, integrated animal management
- Principles of infectious diseases
- Farm Animal Studies: four modules – Cattle, Small Ruminants, Pigs, Poultry – each covering medicine, surgery, reproduction/infertility/ obstetrics and management in an integrated fashion
- Equine Studies
- Small Animal Studies, which includes a range of companion animal species (including dogs, cats, rabbits, rodents, reptiles and birds)
- Veterinary Public Health

Within the clinical phase, two mornings each week are given over to practical clinical work including basic clinical examination of the main domestic species, radiography, post-mortem investigation and visits to external establishments such as the University-affiliated RSPCA clinic where you actively participate in delivering morning clinic consultations. You also develop a range of technical and practice-related skills in the Clinical Skills Hub. Self-study time gives opportunities to further hone your consultation and practical skills in the Clinical Skills Hub.

Part I of the Final Veterinary Examination tests your understanding of principles and concepts of veterinary medicine, and your practical clinical skills.

Year 6

This is the 'professional phase' of the veterinary programme. It is a 40-week lecture-free year with tuition centred on clinical teaching, in which groups of just three or four students rotate through different disciplines in the hospital with individual clinicians. The small size of these groups means each student's caseload is higher and they are given the maximum possible responsibility for the management of clinical cases. This allows you to develop your clinical and problem-solving skills and client communication skills in a real clinical practice environment.

Subjects covered during the year include:

- Small animal surgery (soft tissue and orthopaedic surgery)
- Small animal medicine (including oncology, neurology, cardiology, internal medicine and dermatology, combined anatomic and clinical pathology, and first-opinion practice rotations)
- Equine studies (including our first-opinion practice)
- Farm animal studies (first-opinion practice, herd health and veterinary aspects of public health)
- Anaesthesia
- Diagnostic imaging
- Out-of-hours and Emergency care

The Part II examination at the end of the professional phase assesses your ability to integrate information across different subject areas, in the context of individual case scenarios or groups of animals.

Finally, you have self-selected study composed of a clinically-based VetMB Research Project, in which you explore an area of special interest, and a 4-week 'tracking' period with more advanced consideration of an area of your interest.

www.jbs.cam.ac.uk enquiries@jbs.cam.ac.uk 01223 339700

Management Studies

Management Studies is offered as a Part II-only course. Students at any College[1] can apply to transfer to Management Studies after two or three years of studying another subject at Cambridge.

A management environment

No undergraduate business degree by itself can teach someone how to be a competent manager: that comes with experience and then further education. What Management Studies enables you to do is to study the subjects relevant to management and the environment in which the manager operates, whilst still a full-time student.

You develop a sound understanding of the fundamentals of management and various aspects of management practice, as well as gain practical experience in a real-life context.

You acquire the skills that a good manager needs, including the ability to apply critical analysis to management issues and an awareness of the responsibilities of managers in an economic, social and environmental context.

A stimulating environment

The Cambridge Judge Business School is responsible for Management Studies and provides library and computing facilities for both carrying out coursework and preparing papers and presentations.

However, amongst the most stimulating resources on the course are your fellow students: they come from different subject areas and have contrasting strengths, enabling you to learn from each other.

Teaching, topics and careers

Teaching involves lectures, supervisions and other active learning methods, such as a negotiations workshop.

The six main areas of a manager's work make up the core subjects of the course:

- economics of firms and markets
- finance and accounting
- marketing
- operations management
- organisational behaviour
- quantitative methods

The value of our course is evident in the successful careers of our graduates. Since its introduction in 1986, Management Studies students have found employment across the full range of industry sectors, organisation sizes and localities. Recent graduates have gone on to careers for employers including Accenture, Allen & Overy, Bain & Company, Barclays, Clifford Chance, JP Morgan, LEK Consulting, Mastercard, McKinsey & Company, Morgan Stanley, Oliver Wyman, PWC, and Sainsbury's.

Fact file

Duration One year

Entry requirements
Competitive entry after two or three years of another Cambridge course[1]

Places available: 50

Location
Map reference J (see p158-9)

[1] Please note that not all Colleges allow students whose original course is three years to stay on to take Management Studies as a fourth year.

www.ifm.eng.cam.ac.uk/met met-enquiries@eng.cam.ac.uk 01223 760531

Manufacturing Engineering

Manufacturing Engineering is offered as a Part II-only course. Students can apply to transfer to Manufacturing Engineering after completing Part I of Engineering or Chemical Engineering and Biotechnology. Applications from other science courses are encouraged.

Fact file

Duration Two years

Entry requirements
Competitive entry after successful completion of Engineering Part I (see p71) or Chemical Engineering and Biotechnology Part I (see p57)

Applications from other science students may be considered

Places available: 40

Location
Map reference W (see p158-9)

Engineers and entrepreneurs

Successful, value-creating industries are increasingly managed by engineers with an appropriately broad education and training. Manufacturing engineers naturally have particular expertise in the design and operation of manufacturing facilities, but increasingly their role is as leaders of multidisciplinary teams. The course places emphasis on the latest developments in data science and sustainability to address some of the major challenges facing society.

Manufacturing Engineering gives you a thorough grounding in manufacturing technology and management, together with an understanding of the full range of activities involved from market analysis through product design and production, to sales and distribution, all set firmly within a financial and business context. As well as the engineering and business sides, you also acquire a sound understanding of the human aspects of industry and develop leadership and people skills.

An industrial and international emphasis

Manufacturing Engineering students visit UK factories in their third year, covering a variety of industrial sectors. You will observe activities at each site and discuss findings as a group and with representatives of the firm, to support the learning outcomes from lectures. In your fourth year, you carry out three different industrial projects (two in teams and one as an individual). These are based in industry, where you can apply the taught content to bring it to life and tackle real challenges faced by the partner firms, while being supported through industrial and academic supervisors.

Teaching

Lecture courses (taught papers) provide the academic framework for the subject, and are complemented by project work, industrial visits, a programme of personal and business skills development, as well as projects based at the University and in industry. Successful completion of the programme leads to the award of the BA and MEng degrees.

Careers

Our graduates are much sought after for demanding jobs, in manufacturing but also in other branches of engineering, consultancy and commerce, and indeed a diverse range of other fields. They're equally well-placed to start their own companies, having gained a comprehensive understanding of how business works and having acquired contacts within a large number of national and international companies.