Undergraduate Prospectus 2019

OXFORD IS...

...WHAT YOU MAKE IT

ox.ac.uk/study

www.youtube.com/Oxford

iTunes or itunes.ox.ac.uk

www.facebook.com/the.university.of.oxford

www.twitter.com/UniofOxford
Getting this decision right is crucial to enjoying your time at university so do really explore your options, even if you think you know what you want to study. Your degree course will run for three or more years and your workload will feel much lighter if you genuinely love your course. In our view, the right subject is like a good book – it should be hard to put down.

**A FAVOURITE SUBJECT**
Having a clear favourite might make this decision easy but do still check out the structure and content of the course and consider how these might differ from other universities you are applying to. Subjects at degree level can be quite different from studying them at school.

**TWO OR EVEN THREE COMBINED**
Oxford offers a wide range of joint courses which give students the chance to explore different subjects and examine the connections between them. This will often reveal insights not necessarily found by studying them individually. There tend to be fewer places on our joint courses but this is not always the case. A few subjects are only available at undergraduate level as part of a joint course, for example Philosophy or Economics.

**SOMETHING NEW**
Don’t forget to check out our courses not normally available at school, for example Archaeology and Anthropology, Biochemistry, Human Sciences, and Materials Science. For some they are the perfect opportunity to explore aspects of favourite subjects in an exciting new way, for others they are the chance to study something else.

**STUDYING ABROAD**
Unless doing a language degree, it is unusual to be out of Oxford during term time as we want all our students to benefit from the University’s teaching expertise and resources. However, you will still have lots of time to travel or do internships in the holidays. Whatever you are studying, you can learn languages whilst you are here. See page 5.

**RESEARCH PROJECTS**
Some courses, particularly those lasting four years, offer the chance to produce your own research and to work alongside other researchers at the University. These projects can lead to exciting career or further study opportunities. Read your course page for more on this.

**COURSE ASSESSMENT**
Most of our degrees are assessed primarily by written examination and dissertation (an extended essay or thesis). These exams are typically divided between First (known as ‘Prelims’ or ‘ Mods’) and Final University exams. At Oxford your results in your Finals determine your class of degree. See your course page for details.

**CAREER OPPORTUNITIES**
Whatever degree course you choose here, you will have a very wide choice of careers and internships. See page 4 and 6 for more.

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The vast majority of jobs do not specify the subject studied at university; all degree courses equip you with a wide range of valuable employability skills.

Jonathan Black, Careers Service
**ENTRANCE REQUIREMENTS**

To meet Oxford’s entrance requirements and to make a competitive application, you need to have, or expect to achieve, three A-levels or any other equivalent qualifications. The exact requirements vary depending on the course you want to apply for, but as a guide you will need to achieve:

**A-levels:** AAA–A*A*A

Apart from any specific requirements, we accept all subjects (except General Studies). We expect you to have taken and passed any practical component in your chosen science subjects.

**International Baccalaureate:** 38–40 (including core points)

Many more qualifications are acceptable: see the list at [ox.ac.uk/enreqs](http://ox.ac.uk/enreqs).

It is worth knowing that many successful candidates exceed the requirements of their courses.

**SELECTION CRITERIA**

The selection criteria for all Oxford’s courses relate to your academic achievement and potential. Extra-curricular activities are only relevant if they help to demonstrate how you meet the selection criteria.

**STARTING IN 2020**

Departments differ in whether or not they accept deferrals so be careful to check with them before choosing this option on your UCAS form. Alternatively, you might want to think about applying a year later when you have finished school and received your qualifications.

Visit [ox.ac.uk/courses](http://ox.ac.uk/courses) to use the A–Z search.

See page 38 for a summary of admission requirements for each subject.

See page 184 for an overview of our admissions process.

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**LEANNE**

It’s especially exciting when you meet the author of the article you have just been reading, standing right in front of you. They might be giving a lecture, or even engaging in heated debate with another author you’ve just read.

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**BERTRAND**

Many of the textbooks are written by tutors and lecturers at the University, which is a reflection of the standard of the education.

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**GIUSEPPE**

My course takes the two big beasts of the humanities (for me) and creates a chimera out of them. Tons of resources to draw from both disciplines, which are as complementary as they are broad.

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**NAVEED**

I had the opportunity to dictate what I learnt; there was a lot of freedom for me to choose courses that interested me.

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**RYAN**

The most unexpected thing about my course has been the breadth of what you can study – you can write your dissertation on just about anything! All with the full support of your tutors.
## Admission Requirements

Below is a summary of each course's requirements. Please check the course page for details.

### Check any subject requirements for your course choice:
- **Essential**
- **Recommended**
- **Helpful** – may be useful on course

General Studies A-level is not accepted.

<table>
<thead>
<tr>
<th>Course</th>
<th>Entrance requirements (at A-level or equivalent)</th>
<th>Subject choices</th>
<th>Test</th>
<th>Written work</th>
</tr>
</thead>
<tbody>
<tr>
<td>Archaeology and Anthropology</td>
<td>AAA</td>
<td>▲ Combination of arts and science subjects</td>
<td>Two pieces</td>
<td></td>
</tr>
<tr>
<td>Biochemistry (Molecular and Cellular)</td>
<td>✪AAA with ✪ in Mathematics or a science</td>
<td>✪ Chemistry and another science or Mathematics, Mathematics</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>▲ Biology (beyond GCSE or equivalent)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Biological Sciences</td>
<td>✪AAA (with the ✪ in a science or Mathematics)</td>
<td>✪ Biology or Human Biology</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>▲ Another science or Mathematics</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Biomedical Sciences</td>
<td>✪AAA excluding Critical Thinking and General Studies</td>
<td>✪ Two from Biology, Chemistry, Mathematics or Physics</td>
<td>BMAT</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>✪✪✪A (with both ✪ ✪ in science subjects and/or Mathematics)</td>
<td>✪ Chemistry and Mathematics, Another science or Further Mathematics</td>
<td>TSA: section 1</td>
<td></td>
</tr>
<tr>
<td>Classical Archaeology and Ancient History</td>
<td>AAA</td>
<td>▲ A classical language, Classical Civilisation or Ancient History</td>
<td>Two pieces</td>
<td></td>
</tr>
<tr>
<td>Classics</td>
<td>AAA (in Latin and Greek if taken)</td>
<td>✪ Latin and/or Greek (for Course I only), English Literature or English Language</td>
<td>CAT</td>
<td>Two pieces</td>
</tr>
<tr>
<td>Classics and English</td>
<td>AAA (in Latin and Greek if taken)</td>
<td>✪ Latin and/or Greek (for Course I only), English Literature or English Language and Literature</td>
<td>CAT or ELAT</td>
<td>Two pieces</td>
</tr>
<tr>
<td>Classics and Modern Languages</td>
<td>AAA (in Latin and Greek if taken)</td>
<td>✪ Latin and/or Greek (for Course I only), and a modern language (depending on course choice)</td>
<td>CAT or MLAT</td>
<td>Two/four pieces</td>
</tr>
<tr>
<td>Classics and Oriental Studies</td>
<td>AAA (with As in Latin and Greek if taken)</td>
<td>▲ Latin and/or Greek</td>
<td>CAT or OLAT</td>
<td>Two pieces</td>
</tr>
<tr>
<td>Computer Science</td>
<td>✪AAA with the ✪ in Mathematics, Further Mathematics or Computing/Computer Science</td>
<td>✪ Mathematics, Further Mathematics</td>
<td>MAT</td>
<td></td>
</tr>
<tr>
<td>Computer Science and Philosophy</td>
<td>✪AAA with the ✪ in Mathematics, Further Mathematics or Computing/Computer Science</td>
<td>✪ Mathematics, Further Mathematics</td>
<td>MAT</td>
<td></td>
</tr>
<tr>
<td>Earth Sciences (Geology)</td>
<td>✪✪AAAA</td>
<td>Mathematics, plus Chemistry or Physics, Chemistry or Physics, Biology, Geology, Further Mathematics</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Economics and Management</td>
<td>✪AAA (with Mathematics at A or A*)</td>
<td>✪ Mathematics</td>
<td>TSA</td>
<td></td>
</tr>
<tr>
<td>Engineering Science</td>
<td>✪✪✪A (with the ✪ of Mathematics, Further Mathematics or Physics.)</td>
<td>✪ Mathematics, Mechanics modules, Further Mathematics</td>
<td>PAT</td>
<td></td>
</tr>
<tr>
<td>English Language and Literature</td>
<td>AAA</td>
<td>✪ English Literature or English Language and Literature, A language, History</td>
<td>ELAT</td>
<td>One piece</td>
</tr>
<tr>
<td>English and Modern Languages</td>
<td>AAA</td>
<td>✪ A modern language (depending on course choice) and English Literature or English Language and Literature</td>
<td>ELAT, MLAT</td>
<td>One/three pieces</td>
</tr>
<tr>
<td>European and Middle Eastern Languages</td>
<td>AAA</td>
<td>✪ A modern language (depending on course choice)</td>
<td>MLAT, OLAT</td>
<td>Two pieces</td>
</tr>
<tr>
<td>Fine Art</td>
<td>AAA</td>
<td>▲ Art</td>
<td>Portfolio (see page 76)</td>
<td></td>
</tr>
<tr>
<td>Geography</td>
<td>✪AAAA</td>
<td>▲ Geography</td>
<td>see page 78</td>
<td></td>
</tr>
<tr>
<td>History</td>
<td>AAA</td>
<td>▲ History</td>
<td>HAT</td>
<td>One piece</td>
</tr>
<tr>
<td>History (Ancient and Modern)</td>
<td>AAA</td>
<td>▲ History, A classical language, Classical Civilisation, Ancient History</td>
<td>HAT</td>
<td>One piece</td>
</tr>
<tr>
<td>History and Economics</td>
<td>AAA</td>
<td>▲ History, Mathematics</td>
<td>HAT, TSA: section 1</td>
<td>One piece (History)</td>
</tr>
<tr>
<td>History and English</td>
<td>AAA</td>
<td>✪ English Literature or English Language and Literature, History</td>
<td>HAT</td>
<td>Three pieces</td>
</tr>
<tr>
<td>History and Modern Languages</td>
<td>AAA</td>
<td>✪ A modern language (depending on course choice)</td>
<td>HAT, MLAT</td>
<td>One/three pieces</td>
</tr>
</tbody>
</table>

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<table>
<thead>
<tr>
<th>Course</th>
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<th>Subject choices</th>
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</tr>
</thead>
</table>
| History and Politics                       | AAA                                              | ▪ History  
  ▲ Sociology, Politics, Government and Politics                                                | HAT        | One piece (History)     |
| History of Art                             | AAA                                              | ▪ A subject involving essay writing  
  ▲ History of Art, Fine Art, History, English, a language                                              |            | One piece, one response |
| Human Sciences                             | AAA                                              | ▲ Biology, Mathematics                                                                             | TSA        |                         |
| Law (Jurisprudence)                        | AAA                                              | ▲ A subject involving essay writing                                                                |            |                         |
| Law with Law Studies in Europe             | AAA                                              | ▪ A relevant modern language (not required for European Law)  
  ▲ A subject involving essay writing                                                            | LNAT       |                         |
| Materials Science                          | A**AA (with the A* in Mathematics, Physics or Chemistry) | ▲ Mathematics and Physics  
  ▲ Chemistry  
  ▲ Further Mathematics, Design and Technology (Resistant Materials)                           | PAT        |                         |
| Mathematics                                | A**AA with the A's in Mathematics and Further Mathematics if taken (see page 100) | ▲ Mathematics  
  ▲ Further Mathematics                                                                       | MAT        |                         |
| Mathematics and Computer Science           | A***AA (with A*A in Mathematics and Further Mathematics (FM) or A* in Mathematics if FM is not taken) | ▲ Mathematics  
  ▲ Further Mathematics                                                                       | MAT        |                         |
| Mathematics and Philosophy                 | A**AA with the A's in Mathematics and Further Mathematics if taken (see page 104) | ▲ Mathematics  
  ▲ Further Mathematics                                                                       | MAT        |                         |
| Mathematics and Statistics                 | A**AA with the A's in Mathematics and Further Mathematics if taken (see page 106) | ▲ Mathematics  
  ▲ Further Mathematics                                                                       | MAT        |                         |
| Medicine                                   | A***AA (excluding Critical Thinking and General Studies and at least an A in both Chemistry and one or more of Biology, Physics or Mathematics) | ▲ Chemistry with either Mathematics or Biology or Physics                                         | BMAT       |                         |
| Modern Languages                           | AAA                                              | ▪ One or more modern languages (depending on course choice)                                         | MLAT       | Two/three pieces        |
| Modern Languages and Linguistics           | AAA                                              | ▪ A modern language (depending on course choice)  
  ▲ English Language, Mathematics, a science or any other language                                    | MLAT       | One/three pieces        |
| Music                                      | AAA                                              | ▲ Music  
  ▲ ABRSM Grade V keyboard ability or above                                                          |            |                         |
| Oriental Studies                           | AAA                                              | ▲ A language                                                                                       | OLAT       | Two pieces              |
| Philosophy and Modern Languages            | AAA                                              | ▪ A modern language (depending on course choice)  
  ▲ English Language, Mathematics, a science or any other language                                      | MLAT       | One/two pieces          |
| Philosophy, Politics and Economics (PPE)   | AAA                                              | ▲ Mathematics, History                                                                            | TSA        |                         |
| Philosophy and Theology                    | AAA                                              | ▲ A subject involving essay writing                                                                | Philosophy test (see page 128)                  | One piece    |
| Physics                                    | A***AA (with the A* in Physics, Mathematics or Further Mathematics) | ▲ Physics and Mathematics  
  ▲ Mathematics Mechanics modules  
  ▲ Further Mathematics                                                                        | PAT        |                         |
| Physics and Philosophy                     | A***AA (with the A* in Physics, Mathematics or Further Mathematics) | ▲ Physics and Mathematics  
  ▲ Mathematics Mechanics modules  
  ▲ An arts subject and Further Mathematics                                                            | PAT        |                         |
| Psychology (Experimental)                  | A***AA                                           | ▲ One or more science subjects (including Psychology) or Mathematics                                  | TSA        |                         |
| Psychology, Philosophy and Linguistics     | A***AA                                           | ▲ For Psychology: one or more science subjects (including Psychology) or Mathematics  
  ▲ For Linguistics: English Language, Mathematics, a science or any other language                      | TSA        |                         |
| Religion and Oriental Studies              | AAA                                              | ▲ A subject involving essay writing, a language                                                      | OLAT       | One piece               |
| Theology and Religion                      | AAA                                              | ▲ A subject involving essay writing                                                                |            | One piece               |
Archaeology and anthropology together encompass the study of humankind from the origins of the human species to the present day. Both disciplines have a long history: archaeology grew from 18th-century antiquarianism, while anthropology began even earlier in the first days of colonial encounter. Today both subjects involve a range of sophisticated approaches shared with the arts, social sciences and physical sciences.

The Oxford degree is distinctive in the way it combines archaeology and anthropology throughout the course, offering an unusually broad perspective on human societies from earliest prehistory to the present. Six institutions specialise in these subjects: the Schools of Archaeology and of Social and Cultural Anthropology, the Ashmolean Museum, the Pitt Rivers Museum, the Oxford University Museum of Natural History, and the Research Laboratory for Archaeology and the History of Art. All play a key role in the degree, are supported by world-class libraries and are well equipped with laboratories and computing resources.

Oxford’s Archaeology and Anthropology course offers a comprehensive guide to the richness and diversity of human cultural experience throughout space and time. By choosing to study here you will be able to:

- explore how humans evolved
- get to grips with major transformational processes in human history such as the development of farming, the emergence of towns and trading systems and the spread of world religions
- assess the relative importance of environmental, genetic and social factors in understanding patterns of human growth and nutrition
- learn why societies structure their families, economies and political systems in the ways that they do
- investigate how material culture represents and reproduces beliefs and ideologies.

Fieldwork/international opportunities/work placements

As part of your course you will undertake at least four weeks of fieldwork anywhere in the world (subject to approval by tutors). Recent destinations include South Africa, Canada and Cuba. Fieldwork can take place in field settings, or in a laboratory or museum. Financial support for this fieldwork is available from the University and may be available from your college. You may also engage in fieldwork as part of your final-year dissertation, while other opportunities may exist for work-based learning in the University’s museums.

A typical weekly timetable

Your work is divided among lectures, tutorials and practical classes. In the first year you will spend about six hours a week in lectures, closely tied to the course’s core papers. Lectures for core and option papers take up about ten hours a week in years 2 and 3. Throughout the course, there are one or two tutorials a week, normally in a pair (typically a total of twelve in each term).
What are tutors looking for?
Tutors will primarily be looking for an interest in, and enthusiasm for, the study of humans and their material culture, ideally from both humanities and science perspectives, combined with an ability to digest and assimilate significant quantities of data and to argue from evidence. You don’t need any experience of archaeology or anthropology, but fieldwork experience and general reading in the subject further demonstrate your interest and commitment.

Our tutors will be looking for the following qualities at interview:
• an ability to think independently
• potential and motivation for studying archaeology and anthropology
• enthusiasm and interest in the combined disciplines
• commitment to the requirements of the course.
For further information on selection criteria see: ox.ac.uk/criteria.

AGA CAREERS
Archaeology and Anthropology opens up a wide range of career opportunities, in part because the degree offers a unique perspective on how human societies operate and develop and on how people interact with each other. This is also due to the intellectually demanding requirements of an Oxford degree, and to its ideal combination of personal learning, independent study and tutorial teaching. Graduates of this course have found opportunities in heritage management, museum curation, education, regional archaeological services, international development, the Civil Service, advertising, marketing, computing, energy supply, community relations, the law and the media.

1ST YEAR
Courses
Four core courses are taken:
• Introduction to world archaeology
• Introduction to anthropological theory
• Perspectives on human evolution
• The nature of archaeological and anthropological enquiry
Practical classes
Fieldwork

Assessment
First University examinations:
Four written papers

2ND AND 3RD YEARS
Courses
Four core courses are taken:
• Social analysis and interpretation
• Cultural representations, beliefs and practices
• Landscape and ecology
• Urbanisation and change in complex societies
Options (three from a broad range of anthropological and archaeological courses)
Dissertation
A full list of current options is available on the course website (details above).

Assessment
Final University examinations:
Seven written papers; dissertation (counting as the equivalent of two further papers)
The study of living things at the molecular level has undergone tremendous expansion in recent years, leading to ever-increasing insights into topics as various as the origin of life, the nature of disease and the development of individual organisms. Powerful new techniques, such as those of molecular genetics and NMR spectroscopy, enable us to analyse biological phenomena in more and more precise molecular terms. These studies have led to commercially valuable developments in drug design and synthesis, forensic science, environmental sensing and a whole range of other areas. Furthermore, advances in biochemistry are largely responsible for the breakdown of traditional boundaries between cell biology, medicine, physics and chemistry as their applications become increasingly wide reaching.

The Biochemistry Department in Oxford is one of the largest in Europe, and is subdivided into research areas: Cell Biology, Development and Genetics; Chromosomal and RNA Biology; Infection and Disease Processes; Microbiology and Systems Biology; and Structural Biology and Molecular Biophysics. The department is extremely active in research, with about 300 postgraduate students and research staff. The breadth and excellence of these activities are reflected in the scope of the undergraduate course and underpin the teaching.

The department has superb research and teaching facilities and excellent IT resources together with access to a wide range of online and hard-copy journals.

An important aspect of the Oxford Biochemistry course is its fourth-year project, lasting 18 full-time weeks, which allows you to explore in detail both laboratory-based research and specific recent advances in biochemistry. You choose the project yourself. Under the supervision of a group leader, you will design your own experiments and will learn to plan research programmes and present your results and ideas – orally and in written form – to other workers in the field. The experience gained is much valued by employers. The project also gives you the opportunity to reflect on your aptitude and enthusiasm for a research career.

Research placements/ international opportunities

A wide choice of fourth-year research projects is available both within the Biochemistry Department and in related departments, such as Molecular Medicine, Clinical Biochemistry, Pathology and Pharmacology. It is also possible to carry out your project outside the University or indeed the UK.

A typical weekly timetable

During years 1–3, your work is divided between lectures (about ten a week), tutorials and classes (one to three a week) and practicals (averaging one full day a week). The remaining time is spent on independent study (set reading or problem-solving exercises). In the fourth year, the project occupies you in full-time research for 18 weeks and the remainder of the year is spent in writing up your research project and studying.
specialist option topics. Your final degree class is derived from a combination of marks from courses taken in the second, third and fourth years.

What are tutors looking for?
As biochemistry is not taught as an A-level subject, tutors will not expect you to have a detailed knowledge of the subject. However, if you are shortlisted for interview, tutors will be looking for an informed interest in the subject (originating from news items, books, magazine articles etc) together with an ability to use information (from other school or college subjects, particularly Chemistry) to analyse and solve problems and to construct your own opinions. For further information about the selection criteria see: ox.ac.uk/criteria.

BIOCHEM CAREERS
Biochemists are playing an increasingly wide role in biological, environmental and clinical fields, with employment areas stretching from healthcare through forensic science to the food and pharmaceutical industries. Typically about 60% of our biochemistry graduates go on to do research or further study, mostly in the biochemistry field, while others find employment in industry, commerce or other areas, such as finance and the law. Further details of careers in biochemistry can be found on the UK Biochemical Society website: www.biochemistry.org.

MORE ABOUT
Requirements and applying:
ox.ac.uk/ugbiochem
2018 Open Days:
27 and 28 June and 14 September
ox.ac.uk/opendays
Course details:
www.bioch.ox.ac.uk
admissions@bioch.ox.ac.uk
Which colleges offer this course? See page 144

1ST YEAR

Courses
Five courses are taken:
• Molecular cell biology
• Biological chemistry
• Biophysical chemistry
• Organic chemistry
• Mathematics and statistics

Assessment
First University examinations:
Five written papers; satisfactory practical record

2ND AND 3RD YEARS

Courses
Five courses are taken:
• Structure and function of macromolecules
• Energetics and metabolic processes
• Molecular biology and genetics
• Cell biology and integration of function
• Data analysis and interpretation

Assessment
Final University examinations, Part I:
Six written papers; satisfactory practical record

4TH YEAR (EXTENDED FIRST TERM)

Courses
A research project (full-time, 18 weeks) plus two courses taken from a list of six options. The list typically includes subjects such as:
• Bionanotechnology
• Cancer biology
• Clinical and applied immunology
• Membrane transport
• Neuropharmacology
• Signalling and coordination in plants
• Structural proteomics
• Virology
These options are illustrative and may change (details above).

Assessment
Final University examinations, Part II:
Project dissertation and oral presentation, options written papers and/or submitted coursework

The course structure is currently under review, the results of which are likely to affect students starting from October 2020. Details will be on the department website (see above) as soon as they are available.
Biological sciences is an exciting and rapidly developing subject area. The study of living things has undergone tremendous expansion in recent years, and topics such as cell biology, developmental biology, evolutionary biology and ecology are advancing rapidly – all of these areas are covered in the taught course. This expansion has been accompanied by a blurring of the distinctions between disciplines: a biologist with an interest in tropical plants may well use many of the tools and techniques that are indispensable to a molecular geneticist and our modular structure encourages this cross-disciplinary approach.

The Biological Sciences degree is taught jointly by the Departments of Plant Sciences and Zoology. Additional resources include: Oxford University Museum of Natural History, Botanic Garden, Herbarium, Arboretum, the John Krebs field station and Wytham Woods. Practical laboratory and fieldwork sessions are an integral part of teaching and there is a compulsory one-week field trip for all first-year students to Pembrokeshire to study ecology. Only the first two years have compulsory practical work, although two of our optional third-year courses involve overseas fieldwork. Practical work in the third year takes the form of a compulsory research project – this can be carried out in the lab or the field, either in the UK or abroad.

**UCAS code: C100**

**Entrance requirements**

**A-levels:** A*AA with the A* in a science or Mathematics

**Advanced Highers:** AA/AAB

**IB:** 39 (including core points) with 7 in HL Mathematics or a science

Or any other equivalent

Candidates are expected to have Biology (or Human Biology) to A-level, Advanced Higher, Higher Level in the IB or another equivalent. Another science or Mathematics are also recommended.

**3-year average (2015–17)**

Interviewed: 67%
Successful: 21%
Intake: 113

**How to apply**

X Tests: None required
X Written work: None required

**Fees, living costs and funding**

See page 186 and ox.ac.uk/funding

**Additional costs**

All overseas work requires financial contributions from the student. Current costs are detailed at ox.ac.uk/ugbiosci; see Fees and Funding tab.

Almost all teaching takes place in the Science Area (page 192) and in the first year can be broken down into the following categories:

- Lectures: around ten hours a week
- Practicals: around seven hours a week
- Tutorials: one hour a week, plus preparation time.

In the second and third years, variable hours are also spent on research projects.

What are tutors looking for?

Tutors are looking for enthusiasm for biology and potential to study it at university. Interviews are not to test factual knowledge – they are designed to enable applicants to show an ability to think and to understand whatever facts have been encountered up to that time. Be prepared to talk intelligently about particular aspects of biology that are personally interesting. The process is rigorous but sympathetic. Applicants may be asked to examine and comment on biological objects, or to interpret a written passage or a simple set of data, provided during the interview.

For further information on selection criteria see: ox.ac.uk/criteria.
Over half of Oxford biologists embark on a professional, scientific or technical career after graduating in areas such as industry, finance, medicine, the law, teaching, the media or conservation. More than a third go on to further study such as a research doctorate or a postgraduate course in an applied field.

After graduation, Jenny spent several years in a medical communication agency environment and now has her own business, working directly with major global pharmaceutical companies. She explains: ‘The tutorial system and writing opportunities during my degree were critical in developing the skills needed to analyse and interpret data, present them clearly and concisely in context and discuss results of clinical trials.’

Hannah, now a research assistant at the Royal Veterinary College, reports: ‘My degree gave me a keen interest in my subject and the skills to pursue it. So far I have tracked rhinos across deserts, chased birds across oceans, and am currently working with chickens.’

Requirements and applying:
ox.ac.uk/ugbiosci
2018 Open Days:
27 and 28 June and 14 September
ox.ac.uk/opendays

Course details:
www.biology.ox.ac.uk
+44 (0) 1865 281214
undergraduate.enquires@biology.ox.ac.uk

Which colleges offer this course?
See page 144
Biomedical scientists focus on how cells, organs and systems function in the human body; an exciting and dynamic area that is highly relevant to the understanding and treatment of human diseases. This course does not provide a medical training.

Oxford is a highly respected and internationally recognised centre for biomedical research and on this interdisciplinary course students will receive the benefit of tuition from leading experts working within a variety of non-clinical and clinical departments.

This course provides students with an intellectually stimulating education in modern molecular, cellular and systems biology and neuroscience.

The course has been designed so that students first acquire an integrated understanding of biomedical science that allows them to shape their subsequent studies towards the topics that interest them the most.

As the course progresses, increasing emphasis is placed on relating knowledge to scientific research. That emphasis is demonstrated by the opportunity for all students to obtain first-hand experience of laboratory research in the later stages of the course. Students choose their own project and the possible areas for research within the University are wide ranging.

On the basis of the specialisation initiated by the selection of second-year modules and confirmed by the choice of third-year options, students will be awarded a degree in Neuroscience or Cell and Systems Biology.

For further details on the structure of the course, please refer to: www.medsci.ox.ac.uk/study/bms.

A typical weekly timetable
A first-year student would typically attend six to ten lectures, a Mathematics or Statistics class and a three-hour practical class. Practical work undertaken in laboratories forms an integral part of this programme; students are required to complete practical work to a satisfactory standard in order to progress through the degree course. In addition, students prepare for weekly tutorials during which students and tutors discuss, through consideration of experimental studies, the significance and limitations of a given topic. Students’ remaining time is available for self-directed study and extra-curricular activities.

During the first two terms of the second year, work is divided between lectures (about five a week), tutorials (one or two a week) and practical classes. The final term of the second year concentrates on experimental research in a laboratory.

During the third year students attend lectures, seminars and tutorials in their chosen specialist area.

What are tutors looking for?
Tutors look for lively, receptive minds with the ability to evaluate evidence critically. You should be able to consider issues from different perspectives and have a capacity for logical and creative thinking.

BMAT results will be considered when shortlisting candidates for interview. For further information about the selection criteria see: ox.ac.uk/criteria.
This course provides a strong foundation to pursue academic research, work in the pharmaceutical and biotechnology sectors, or apply for an accelerated graduate entry course in medicine (page 108).

**MORE ABOUT**

**Requirements and applying:**
[ox.ac.uk/ugbiomed](ox.ac.uk/ugbiomed)

**2018 Open Days:**
27 and 28 June and 14 September
[ox.ac.uk/opendays](ox.ac.uk/opendays)

**Course details:**
[www.medsci.ox.ac.uk/study/bms](www.medsci.ox.ac.uk/study/bms)
bmsadmissions@medsci.ox.ac.uk

Which colleges offer this course?
See page 144

**TERMS 1–3 (1ST YEAR)**

**Courses**
- Numerical and scientific skills (Mathematics and Statistics, Chemistry and Physics)
- Body and cells
- Genes and molecules
- Brain and behaviour

**TERMS 4–5: PART 1 FINALS**

**Courses**
Students select courses totalling ten units from a wide range of subject areas, which currently include:
- Psychological processes and disorders
- Neurophysiology
- Cellular and systems physiology
- Intra- and intercellular signalling
- Genetics and developmental biology
- Pharmacology
- Cellular pathology and immunology

**TERMS 6–9: PART 2 FINALS**

**Term 6–8**
Students work on their research project.

**Terms 6–9**
Options currently offered are:
- Neuroscience (cellular and systems)
- Molecular medicine
- Cardiovascular, renal and respiratory biology
- Infection and immunity
- Cellular physiology and pharmacology
- Experimental psychology

**Cell and Systems Biology:** students study two options from the above first five.

**Neuroscience:** students study the Neuroscience and Experimental psychology options. Students select topics within an option to study in depth.

The full list of current options is available on the course website (details above).

**Assessment**
Examined by five written papers at the end of the year. A satisfactory practical record is required for progression to Year 2.

**Assessment**
Examined by two written papers at the start of Term 6. These papers contribute 20% to the final degree mark. An academic penalty will be applied for an unsatisfactory practical record.

**Assessment**
Examined by four written papers during the third term of the final year. Students will also submit a project report and deliver a presentation on their research findings to the examiners. 80% of the final degree mark is determined by performance in the written papers and the project report/presentation.
Chemistry is a wide-ranging science concerned with matter at the atomic and molecular scale. Important facets are synthesis, structure, microscopic mechanisms, properties, analysis and transformations of all types of materials.

Chemists are a constant source of innovation: it is hard to imagine any product introduced in recent times that did not require the creative efforts of a chemist. Chemistry underpins the conceptual framework and methodology of biochemistry and molecular medicine and is at the heart of many major industries.

A good Chemistry degree opens the door to an extensive choice of careers. Teaching and research are closely linked: Oxford has one of the leading chemistry departments in the world with a state-of-the-art lab and international research in a broad range of areas including: synthesis and catalysis; medicinal and biological chemistry; sustainable energy; advanced materials; innovative measurement; and theoretical and computational chemistry. We expect to be teaching an exciting new practical course in a brand new lab from October 2018.

The department has an outstanding track record in commercialising the innovative work of research staff, which has raised millions of pounds for the University.

Chemistry is a four-year course and is not modular, enabling us to explore the links within the subject. The core material is taken by all students, with opportunities to specialise later in the course. The fourth year (Part II) is devoted exclusively to research – a distinctive feature of Chemistry at Oxford since 1916.

A typical weekly timetable (years 1–3)
- About ten lectures, at 9am and 10am
- One or two tutorials in your college with set work to be completed in your own time
- Two afternoons of laboratory work (11am to 5pm)
- A problems class, eg a mathematics class in the first year.

The course is challenging but there is plenty of time for extra-curricular pursuits.

Work placements/international opportunities
Part II (the fourth year) involves full-time work with an established research group. There is the possibility of a few students spending time at laboratories in industry or at universities abroad. Many students find work placements during vacations – the Careers Service helps with this – and there are some opportunities within the department.

What are tutors looking for?
- Evidence of motivation
- Academic excellence
- Potential for advanced study
- Capacity to analyse, explain and use your knowledge
- Readiness to have a go at problems even when you cannot see how.

For further information on selection criteria see: ox.ac.uk/criteria.
**Chemistry Careers**

Chemistry provides an excellent opportunity for the development of your critical faculties and intellect, and also instils important transferable skills that will serve you well, whatever your subsequent choice of career. About 55% of our Chemistry graduates go on to do research or further study. Others enter professions such as publishing and marketing, banking and finance, manufacturing, IT, the law, and teaching. Long term, more than half our graduates remain in posts related to chemistry in some way. The Royal Society of Chemistry provides further information about careers using chemistry at [www.rsc.org](http://www.rsc.org).

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**Amazing Chemistry at Oxford**

The fourth year is entirely devoted to a research project. This unique feature of the degree can be a life-changing experience.

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**More About**

Requirements and applying: [ox.ac.uk/ugchem](http://ox.ac.uk/ugchem)

2018 Open Days: 27 and 28 June and 14 September

[ox.ac.uk/opendays](http://ox.ac.uk/opendays)

Course details:

[www.chem.ox.ac.uk](http://www.chem.ox.ac.uk)

+44 (0) 1865 272568

admissions@chem.ox.ac.uk

Which colleges offer this course? See page 144

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**1st Year**

<table>
<thead>
<tr>
<th>Courses</th>
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</thead>
<tbody>
<tr>
<td>Four courses are taken:</td>
</tr>
<tr>
<td>• Inorganic chemistry</td>
</tr>
<tr>
<td>• Physical chemistry</td>
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<tr>
<td>• Organic chemistry</td>
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<tr>
<td>• Mathematics for chemistry</td>
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</tbody>
</table>

**2nd Year**

<table>
<thead>
<tr>
<th>Courses</th>
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<tbody>
<tr>
<td>Core material, including courses on:</td>
</tr>
<tr>
<td>• Theoretical chemistry</td>
</tr>
<tr>
<td>• Biological chemistry</td>
</tr>
<tr>
<td>• Molecular spectroscopy</td>
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<tr>
<td>• Synthetic chemistry</td>
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<tr>
<td>• Practical work</td>
</tr>
<tr>
<td>Optional supplementary subject course</td>
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</tbody>
</table>

**3rd Year**

<table>
<thead>
<tr>
<th>Courses</th>
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</thead>
<tbody>
<tr>
<td>Further core material, plus advanced courses with a choice from a wide variety of options</td>
</tr>
<tr>
<td>Optional supplementary subject course</td>
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</tbody>
</table>

**4th Year (Extended Terms)**

<table>
<thead>
<tr>
<th>Research</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full-time research under the supervision of a member of the academic staff</td>
</tr>
<tr>
<td>Optional supplementary subject course</td>
</tr>
</tbody>
</table>

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**Assessment**

**1st Year**

- First University examinations: Four written papers; satisfactory practical record

**2nd Year**

- Part IA examinations: Three written papers; continuous assessment of practicals but overall results are not calculated until the end of the 3rd year

**3rd Year**

- Part IB examinations: Seven written papers; continuous assessment of practicals

**4th Year**

- Part II examination: Dissertation; oral examination; determination of the class of honours degree

For the most up-to-date details on assessment, please refer to the course website.

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The practical element of this course is currently under review. Up-to-date details on any course changes as well as options can be found on the course website (see above).
The course combines study of the history, archaeology and art of the classical world. It looks at the societies and cultures of the ancient Mediterranean world through their written texts, visual art and material remains, and has at its centre the two classical cultures of Greece and Rome. It is aimed at anyone interested in investigating ancient civilisations and their remains: from Greek temples and Roman amphitheatres to wall paintings and the poignant residues of everyday life. While it is primarily a historical and non-linguistic degree, ancient languages can be used and learned as part of the course.

The degree is taught through a mixture of tutorials, lectures and classes. Some cover specifically archaeological or historical approaches to ancient Mediterranean cultures, but the degree is unique in also offering courses that combine both approaches. In every year of the course there are classes led by both an archaeologist and a historian, which are designed to give an integrated, interdisciplinary approach to the topics studied.

The degree is taught through a mixture of tutorials, lectures and classes. Some cover specifically archaeological or historical approaches to ancient Mediterranean cultures, but the degree is unique in also offering courses that combine both approaches. In every year of the course there are classes led by both an archaeologist and a historian, which are designed to give an integrated, interdisciplinary approach to the topics studied.

The University’s resources for this combined subject are excellent in terms of both library facilities, especially the Sackler Library, and the range and number of postholders in the two fields. The Ashmolean Museum also contains wide-ranging collections of art and artefacts from classical cultures.

Fieldwork and international opportunities
There are two practical elements – two weeks at the end of the first year spent on an archaeological field project, and the preparation of a report in the second and third years focusing either on a particular ancient site or on an artefact or set of artefacts in a museum of your choice.

A typical weekly timetable
First year:
• lectures (four–six per week)
• team-taught classes (one per week for the first two terms)
• tutorials (one every one to two weeks) and/or language classes.
Second and third years:
You will take six options and produce a site or museum report. Currently, the options are chosen from:
• integrated classes, bringing together historical and archaeological approaches to a particular period
• core papers, which deal with central topics in Greco-Roman studies
• further papers, which allow you either to build up concentrated expertise in some central areas and periods or to extend into earlier and later periods, and into non-classical cultures
• Greek or Latin language papers.

What are tutors looking for?
Tutors are looking for intellectual potential, the specific visual, textual and reasoning abilities required for this course and, of course, serious interest in and commitment to both classical archaeology and ancient history.

Tutors will consider all the available information – past and predicted examination results, the personal statement, academic reference, submitted written work and interviews – to assess your potential to benefit from the course, to be a good tutorial student, and to attain good results in examinations.
The weight given to the different criteria will vary according to your individual background and circumstances. For further information on selection criteria, see: ox.ac.uk/criteria.

**CAAH CAREERS**

Some CAAH graduates go on to further study and research to become professional archaeologists and historians. Others move into different areas, including museum curation, heritage management, education, finance, advertising, publishing, the Civil Service and the law. Recent CAAH graduates include a financial adviser, a teacher and a curator. Sarah became a personal adviser. She says: 'My degree at Oxford provided the challenging environment in which I developed the skills I later needed to successfully complete Reed’s rigorous application procedure.'

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**1ST YEAR**

**Courses**

Four courses are taken.

Core elements:
- Aristocracy and democracy in the Greek world, 550–450 BC
- Republic to empire: Rome, 50 BC to AD 50

Current optional elements:
- Archaeology: Homeric archaeology and early Greece from 1550 to 700 BC; Greek vases; Greek sculpture c600–300 BC; Roman architecture
- History: Thucydides and the West; Aristophanes’ political comedy; Cicero and Catiline; Tacitus and Tiberius
- Ancient Languages: Beginning Ancient Greek; Beginning Latin; Intermediate Ancient Greek, Intermediate Latin; Advanced Ancient Greek; Advanced Latin

**Assessment**

First University examinations: Four written papers

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**2ND AND 3RD YEARS**

**Courses**

Six courses are taken from a wide choice of options. These currently include:
- Rome, Italy and the Hellenistic East, 300–100 BC
- Imperial culture and society, cAD 50–150: Archaeology and history
- The Greeks and the Mediterranean world, c950–500 BC
- Greek art and archaeology, c500–300 BC
- Cities and settlement under the Empire
- Art under the Roman Empire, AD 14–337
- Archaeology of the late Roman Empire, AD 284–641
- Thucydides and the Greek world, 479–403 BC
- Alexander the Great and his early successors
- Roman history 146–46 BC
- Egyptian art and architecture
- Archaeology of Minoan Crete, 3200–1000 BC
- Etruscan Italy, 900–300 BC
- Science-based methods in archaeology
- Greek and Roman coins
- Mediterranean maritime archaeology
- Epigraphy of the Greek and/or Roman world
- Athenian democracy in the classical age
- Sexuality and gender in Greece and Rome
- Cicero: Politics and thought in the late Republic
- Religions in the Greek and Roman world, c31 BC–AD 312
- St Augustine and the Last Days of Rome, AD 370–430
- Intermediate Ancient Greek or Latin
- Advanced Ancient Greek or Latin
- Research for a site or museum report

**Assessment**

Final University examinations: Six written papers; one site or museum report

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**SACKLER LIBRARY**

The Sackler Library is a principal research library of the University specialising in Archaeology, Art History and Classics (Ancient History and Literature).

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**MORE ABOUT**

Requirements and applying: ox.ac.uk/ugcaah

2018 Open Days: 27 and 28 June and 14 September ox.ac.uk/opendays


Course details: www.classics.ox.ac.uk
+44 (0) 1865 288372
undergraduate@classics.ox.ac.uk

Which colleges offer this course? See page 144

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**ASSUMPTIONS AND APPLYING**

Requirements and applying: ox.ac.uk/ugcaah

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Course details: www.classics.ox.ac.uk
+44 (0) 1865 288372
undergraduate@classics.ox.ac.uk

Which colleges offer this course? See page 144
Classics (Literae Humaniores) BA 4 Years
Classical Languages and Literature, Ancient History, Classical Archaeology, Philology, Ancient and Modern Philosophy

Classics (Literae Humaniores) is a wide-ranging degree devoted to the study of the literature, history, philosophy, languages and archaeology of the ancient Greek and Roman worlds. It is one of the most interdisciplinary of all subjects, and offers the opportunity to study two foundational ancient civilisations and their reception in modern times. The degree permits students also to take extensive options in modern philosophy, a flexibility which makes Oxford’s Literae Humaniores different from most other Classics courses.

Oxford has the largest Classics department and programme of courses in the world, with outstanding teaching, library and museum resources, including the Sackler and Bodleian Libraries, the Ashmolean Museum and a designated Classics Centre. The degree involves extensive study of ancient languages, with a view to studying texts in the original. Applications are welcomed from candidates with and without prior knowledge of Greek and/or Latin. The breadth of options available means you can study papers ranging from Homeric Archaeology to Byzantine Literature, and the four-year course allows all students to explore the various disciplines within this vast subject and to engage with their particular interests within the classical world in real depth.

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The Philosophy Faculty is the largest in the UK and one of the largest in the world, with more than 70 full-time members and admitting around 450 undergraduates annually to read the various degrees involving Philosophy. Many faculty members have a worldwide reputation. The large number of undergraduates and graduates reading Philosophy with a variety of other disciplines affords the opportunity to participate in a diverse and lively philosophical community.

Fieldwork/international opportunities
Fieldwork is not a requirement in any part of the course, but some undergraduates may participate in archaeological excavations.

A typical weekly timetable
Your time is divided between lectures, tutorials and private study. Most of your work will be in preparation of essays for your tutorials, although systematic language-learning and reading of texts also require considerable time and effort.

What are tutors looking for?
Tutors are looking for potential and an enquiring mind, and a real commitment to this wide-ranging subject. For information about the selection criteria see ox.ac.uk/criteria.

Classics CAREERS
The breadth of subjects studied and variety of skills learned to a high level leave Classics graduates in high demand among employers. Occupations for Classics graduates have recently included teaching, the Civil Service, finance, the media, software development, film production, conducting, NHS administration, consultancy, accountancy, the law, medicine, publishing and further classical study.

Menai is a project manager for Kent
Courses

Course IA
(Latin and Greek, for those who have studied Latin and Greek to A-level or equivalent)
- Homer's *Iliad*
- Virgil's *Aeneid*
- Texts and contexts: integrating literary/archaeological material
- A special subject in Philosophy (ancient or modern)
- A classical special subject: historical, archaeological or philological
- Work on the Greek and Latin languages

First University examinations IA:
Ten papers, including four language papers (Latin and Greek)

Course IB
(Latin and Greek, for those who have studied only Latin to A-level or equivalent)
- Homer's *Iliad*
- Texts and contexts: integrating literary/archaeological material
- A special subject in Philosophy (ancient or modern)
- A classical special subject: historical, archaeological or philological
- Work on the Greek and Latin languages

First University examinations IB:
Ten papers, including four language papers (Greek language work at a less advanced level than IA, Latin at the same level as IA)

Course IC
(Latin and Greek, for those who have studied only Greek to A-level or equivalent)
- Homer's *Iliad*
- Texts and contexts: integrating literary/archaeological material
- A special subject in Philosophy (ancient or modern)
- A classical special subject: historical, archaeological or philological
- Work on the Greek and Latin languages

First University examinations IC:
Ten papers, including four language papers (Latin language work at a less advanced level than IA, Greek at the same level as IA)

Course IIA
(Latin only, for those who have not studied Greek or Latin to A-level or equivalent)
- Virgil's *Aeneid*
- Special subjects and Texts and contexts (as Course I)
- Work on the Latin language

First University examinations IIA:
Seven papers, including two language papers

Course IIB
(Greek only, for those who have not studied Latin or Greek to A-level or equivalent)
- Homer's *Iliad*
- Special subjects and Texts and contexts (as Course I)
- Work on the Greek language

First University examinations IIB:
Seven papers, including two language papers

Choose eight options from more than 80 in the following subjects (no area is compulsory; in most of these subjects it is possible to offer an undergraduate thesis in place of one of the papers):
- Greek and Roman history (choose up to five): some are period papers, others topic-based
- Philosophy (choose up to five): numerous ancient and modern options; up to four can be in modern Philosophy
- Greek and Latin literature (choose up to five)
- Greek and Roman archaeology (choose up to two, plus a thesis if you wish)
- Philology and Linguistics (choose up to two, plus a thesis if you wish)

Final University examinations:
Eight exam subjects taken, with the possibility of offering one paper as a thesis. For some Literature options: instead of a three-hour paper, assessment involves the composition of one long essay over a three-week period

The options listed here are illustrative and may change. A full list of current options is available on the Classics website (details above)

## Course Details

Requirements and applying:
- ox.ac.uk/ugclassics
- 2018 Open Days: 27 and 28 June and 14 September
- ox.ac.uk/opendays
- www.classics.ox.ac.uk/admiss-open.html

County Council. She says: ‘I joined Kingfisher Retail and subsequently WHSmith. I then worked for a charity and finally moved to local government. The training in logical thinking and a questioning approach I developed while studying for my degree have been invaluable.’

Course details:
- www.classics.ox.ac.uk
- +44 (0) 1865 288372
- undergraduate@classics.ox.ac.uk
- www.philosophy.ox.ac.uk/admissions/undergraduate/courses

Which colleges offer this course? See page 144
Classics and English appeals to those interested in the interactions of historically diverse literary cultures. English may be taken with Latin or Greek or both. Course I is for candidates with an A-level or equivalent in either Latin or Greek or both: this is a three-year course. Course II is for those who have not had the opportunity to study either language at school or college. It includes a preliminary year, in which students learn Latin or Greek alongside some study of classical literature, so this course lasts four years.

Oxford has a long and distinguished tradition of research and teaching in both Classics and English, and possesses remarkable library provision in both subjects.

The first year of the course (which follows the preliminary year of language learning for those taking Course II) is divided between the classical and English elements. The highlight of the Classics and English course is the link papers, which are studied over the second and third years. They provide an opportunity to compare texts from both sides of the course and to study classical influence. Further papers are also chosen from each of the ‘parent’ subjects.

A typical weekly timetable
Students usually have two tutorials a week, plus language classes. They are often (but not always) working on two papers simultaneously. Most students attend three to four lectures a week and produce around twelve pieces of written work during a term.

What are tutors looking for?
Successful candidates will be expected to display competence in Latin or Greek (or general language aptitude if applying for Course II). They will have read widely in English and classical literature (in the original or translation), and will enjoy talking and writing about literature and approaches to it. Shortlisted candidates may be asked to discuss a piece of prose or verse, supplied before or in the interview.

For further information about the selection criteria see: ox.ac.uk/criteria.
Many graduates in Classics and English have entered fields such as teaching, the media, management, advertising and librarianship, or have continued to further study in their subject.

Philip, now a writer, says: ‘Since graduating I have embarked on a career in writing and journalism. I have published two novels, write for a wide range of magazines and papers, and am a Contributing Editor to Literary Review, the Periscope Post and Port. My degree helped me develop the analytical, presentational and linguistic skills that are paramount in the media world.’

Classics & English at Oxford is an excellent course for those who have a real interest in how the two subjects interact; not only through the fascinating range of link papers available, but also through the number of other papers associated with only one half of the course. There is so much choice, and such personalised teaching due to the small year size, that there are always opportunities to specialise in your own interests, which is a real privilege. I have also been able to study both Greek and Latin from scratch since starting at Oxford, which makes for a deep understanding of classical and modern languages, and a far richer understanding of literature. INDIA, COURSE II

Requirements and applying:
ox.ac.uk/ugce
2018 Open Days:
27 and 28 June and 14 September
ox.ac.uk/opendays
www.classics.ox.ac.uk/admiss-open.html

Course details:
www.classics.ox.ac.uk
+44 (0) 1865 288372
undergraduate@classics.ox.ac.uk

www.english.ox.ac.uk
+44 (0) 1865 271055
undergrad@ell.ox.ac.uk

Which colleges offer this course? See page 144

1ST YEAR

Courses
Five papers are taken:
• Introduction to English Language and Literature
• Literature in English 1550–1660
• Unseen translation for Classics
• Greek and/or Latin literature (two papers)

Note: Course II students spend an additional preliminary year learning Latin or Greek, alongside some study of classical literature.

Assessment
Four written papers form the First University Examination, together with a submitted portfolio of two essays for Introduction to English Language and Literature. All exams must be passed, but marks do not count towards the final degree.

2ND AND 3RD YEARS

Courses
Seven papers are taken:
• Two link papers, one compulsory (Epic), and a choice from Comedy, Tragedy, Reception
• Two papers from the English single honours course, including one period paper not taken in the first year
• One core paper in Latin or in Greek literature
• One Classics option
• Dissertation of 8,000 words, either interdisciplinary or focused on English or Classics

More information on current options is available on the Classics course website (details above).

Assessment
Up to three papers examined as coursework (extended essays and dissertation). The remaining papers will then be examined by final written examinations.
Classics and Modern Languages enables you to combine study of Latin and/or Ancient Greek with a modern language. The course involves extensive study of major literary texts, alongside training in linguistic skills. Some papers on offer provide an opportunity to compare texts from both sides of the course, and to study classical influence on modern European literature.

Oxford has the largest Classics department in the world, and the Modern Languages Faculty is also one of the largest in the country, with a major research library and a well-equipped Language Centre. Undergraduates also develop oral proficiency in the modern language by regular contact with native speakers.

International opportunities
Students spend a year abroad before their final year. Please see Modern Languages (page 112) for more information.

A typical weekly timetable
Your time is divided between lectures, language classes, tutorials and private study. Most of your work will be in preparation of essays for your tutorials and classes, although independent language work and systematic reading, not necessarily aimed at any particular tutorial, also requires a considerable input of time and effort.

What are tutors looking for?
For information about the selection criteria please see: ox.ac.uk/criteria.
CML CAREERS
Careers for CML graduates include the media, teaching, acting, management, advertising and librarianship, as well as working with international companies or organisations. Recent Classics and Modern Languages graduates include an investment manager and a trainee solicitor.

FROM A CML STUDENT
“I’d recommend CML to anyone passionate about languages and literature who likes to keep their area of study broad.” OLIVIA

Course structure
Two routes through the course, called 'options', are available to CML students. This is separate from whether you will study Course I (if you have studied Latin and/or Greek to A-level standard) or Course II (if you have not). You will be asked which route you wish to take only after you have applied to Oxford. The two routes are identical in their last two years, and lead to the same final exams; they differ only in their first one or two years.

Option A divides its time evenly between Classics (mostly language and literature) and Modern Languages. This option (also known as the 'Prelims route', because you will take a Preliminary Examination similar to that taken by Classics and English or Modern Languages students) lasts three years for Course I students, and four years for Course II students. (With the year abroad, this makes a total of four or five years.)

Option B begins with a focus on Classics. For the first five terms, students take all the same options in Greek and/or Latin language, literature, ancient history, archaeology, philology and ancient or modern philosophy as are available to students of Classics. This option (also known as the 'Mods route', because you will take Honour Moderations (first exams) in Classics identical to those taken by Classics students) lasts four years for students on both Course I and Course II. (With the year abroad, this makes a total of five years.)

OPTION A
1ST YEAR (COURSE I)
OR 1ST AND 2ND YEAR (COURSE II)
Course I students spend a preliminary year studying Latin or Greek, then follow Course I

Courses
• Translation from the ancient language(s) into English (one paper)
• Literature in the ancient language or languages (two papers)
• Practical language work for the modern language (two papers)
• Literature in your modern language (two papers)

Assessment
First University examinations: Three papers in the ancient language; four papers in the modern language

OPTION B
1ST AND 2ND YEAR
(TERMS 1–6)
Course II students spend a preliminary year studying Latin or Greek, then follow Course I

Courses
As for Classics (see entry for Classics (page 52) for the first five terms). Course II students follow Classics Course II. In addition, undergraduates normally maintain their modern language through language classes.

Assessment
First University examinations in Classics: Ten papers

OPTIONS A AND B (PLUS INTERCALATED YEAR ABROAD)
TERMS 4–9 (OPTION A COURSE I), 6–12 (OPTION B), OR 7–12 (OPTION A COURSE II)

Courses
• Classics (three/four papers): a core paper in Latin or in Greek literature, two or three Classics options
• Modern Language (four/five papers)
• Possibility of a paper or a long essay exploring the links between ancient and modern literatures

The options listed above are illustrative and may change. More information about current options is available on the course websites (details above).

Assessment
Final University examinations: Nine papers in total (eight compulsory, one optional) plus oral exam in the modern language. A thesis may be offered in place of one of the compulsory papers in Classics.
This course allows you to combine the study of an Oriental language and culture with Latin and/or Greek and the study of the ancient world. There are two options: Classics with Oriental Studies (Q8T9) and Oriental Studies with Classics (T9Q8). In each case the subject mentioned first is the main subject (about two-thirds of the degree) and the second subject is an additional subject (about one-third of the degree).

Oxford is ideally placed for the combined study of Classics and Oriental Studies, not least in the numerous and varied teaching staff in each faculty, and the resources of the Ashmolean Museum and the Sackler Library.

What are tutors looking for?
Tutors are keen to find out about your linguistic ability and commitment to a wide-ranging course. Ability to sustain an argument is also important.

For further information about the selection criteria see: ox.ac.uk/criteria.

COS CAREERS
Students develop good linguistic and analytical abilities and will be very attractive to employers from a wide variety of sectors. Knowledge of a modern language opens up opportunities for careers with international companies and organisations.

The Classics and Oriental Studies course is an enriching opportunity to broaden the usual frontiers of the study of Classics, by adding to it one language considered to be culturally external to the Greek and Roman civilisations. The languages to choose between are numerous, each of which has the potential to change your perspective both of Classics and of the world. On the other hand, the study of Classics will teach you a lot about how to look at the language of the Oriental Studies part. I am reading Classics IB with Arabic. Having chosen a linguistics paper for Mods (second-year examinations), which focuses on Indo-European, the study of Arabic, a Semitic and unrelated language, is fascinating. In many ways, this course can be remarkably stimulating for students who wish to learn about linguistics. You can choose to take Sanskrit or Armenian, for example, both instrumental in understanding Indo-European. The relationship between a language and its literature is also something which I find particularly interesting, and Latin, Greek and Arabic are an inviting combination of cases to observe. On an intellectual level, I find my course satisfactory because it is thorough: the fact that I must follow the Classics course until after the middle of second year means that my knowledge of Greek and Latin is stable and accurate when starting to learn Arabic. I also believe that the Classics with Oriental Studies course is interesting in times where cultural prejudices are commonplace. So far, this course has taught me that looking at some things from the outside is the finest lens to see through to their innermost workings. Overall, this external eye has helped me to think about the roots of civilisation and the relationship between language and society. Simply look at the name of the course: who are Classics classic for? DOMINIQUE
Classics with Oriental Studies

1ST YEAR, 2ND YEAR (TERMS 1–6)

Courses
Follow the course for Classics (see page 52)

Assessment
First University examinations in Classics (see page 52)

2ND, 3RD AND 4TH YEARS (TERMS 6–12)

Courses
Carry on with Classics options and start with chosen Oriental language from
- Akkadian
- Arabic
- Aramaic and Syriac
- Armenian
- Coptic
- Egyptian
- Hebrew
- Old Iranian
- Pali
- Persian
- Sanskrit
- Turkish

Assessment
Final University examinations: Eight written papers (five in Classics, three in Oriental Studies); one paper may be substituted by a thesis

Oriental Studies with Classics

1ST YEAR

Courses
Select main language:
- Akkadian
- Arabic*
- Egyptian
- Hebrew
- Persian*
- Sanskrit
- Turkish*

Assessment
First University examinations in Oriental Studies (see page 120)

2ND YEAR (FOR LANGUAGES WITH A YEAR ABROAD)

Courses
Year abroad: approved course of language instruction

Assessment
Final University examinations: Eight to ten written papers (five to seven in Oriental Studies, three in Classics)

2ND AND 3RD YEAR (FOR LANGUAGES WITHOUT A YEAR ABROAD) OR 3RD AND 4TH YEAR (FOR LANGUAGES WITH A YEAR ABROAD)

Courses
Carry on with Oriental Studies options and choose classical language:
- Greek
- Latin

A full list of current options is available on the course websites (details above).

Requirements and applying:
- ox.ac.uk/ugcos
- 2018 Open Days: 27 and 28 June and 14 September
- ox.ac.uk/opendays
- www.classics.ox.ac.uk/admiss-open.html
- Oriental Studies Open Day: 28 April 2018 – booking required
- https://orinst.web.ox.ac.uk/article/open-days

Course details:
- www.classics.ox.ac.uk
- +44 (0) 1865 288372
- undergraduate@classics.ox.ac.uk
- www.orinst.ox.ac.uk
- +44 (0) 1865 278312
- undergraduate.admissions@orinst.ox.ac.uk
- Which colleges offer this course? See page 144

The options listed here are illustrative and may change. More information about current options is available on the course websites (details above).

*These languages include a year abroad in the second year.

The Bodleian Oriental Institute Library has core collections comprising Islamic, South Asian and Jewish Studies.

The Bodleian Oriental Institute Library has core collections comprising Islamic, South Asian and Jewish Studies.

The Bodleian Oriental Institute Library has core collections comprising Islamic, South Asian and Jewish Studies.
Computer Science is about understanding computer systems and networks at a deep level. Computers and the programs they run are among the most complex products ever created; designing and using them effectively presents immense challenges. Facing these challenges is the aim of Computer Science as a practical discipline, and this leads to some fundamental questions:

• How can we capture in a precise way what we want a computer system to do?
• Can we mathematically prove that a computer system does what we want it to?
• How can computers help us to model and investigate complex systems like the Earth’s climate, financial systems or our own bodies?
• What are the limits to computing? Will quantum computers extend those limits?

The theories that are now emerging to answer these kinds of questions can be immediately applied to design new computers, programs, networks and systems that are transforming science, business, culture and all other aspects of life.

Computer Science is about three years (BA) or four years (Master of Computer Science). The fourth year allows the study of advanced topics and an in-depth research project.

Students do not need to choose between the three-year or four-year option when applying to the course; all students apply for a four-year course, and then decide at the start of the third year whether they wish to continue to the fourth year (which is subject to achieving a 2:1 at the end of the third year).

The course concentrates on creating links between theory and practice. It covers a wide variety of software and hardware technologies and their applications. We are looking for students with a real flair for mathematics, which you will develop into skills that can be used both for reasoning rigorously about the behaviour of programs and computer systems, and for applications such as scientific computing. You will also gain practical problem-solving and program design skills; the majority of subjects within the course are linked with practical work in our well-equipped laboratory.

A typical weekly timetable
During the first part of the course, your work is divided between lectures (about ten a week), tutorials (about two a week) and practical classes (about two sessions a week).

In tutorials you discuss ideas in depth with an experienced computer scientist, usually with just one or two other students. You will be expected to spend a considerable amount of time developing your own understanding of the topics covered in lectures, answering questions designed to check your understanding, and preparing for tutorials. As the course progresses, you will also begin to work in small classes (up to ten people) on more specialised topics. In the second year you will take part in a group design practical, many of which are sponsored by industry. In years three and four about a third of your time is spent working on your chosen individual project.
What are tutors looking for?
We look for proven mathematical flair, the ability to think and work independently, the capacity to absorb and use new ideas, and enthusiasm. We use these criteria and the Mathematics Admissions Test (MAT) results to decide whom to interview.

At interview, we explore how you tackle unfamiliar problems and respond to new ideas; we are more interested in how you approach problem-solving than the solution. We don’t require any previous formal qualification in computing, but we do expect a real interest in the subject.

CS CAREERS
Common roles for graduates include computer programmer, software designer and engineer, financial analyst and scientific researcher.

Graduates in Computer Science from Oxford were the top earners in the 2017 Sunday Times league table of graduate salaries. Six months after graduation our students had achieved a mean salary of £45,000, higher than graduates of all other UK undergraduate degree courses.

MORE ABOUT
Requirements and applying:
ox.ac.uk/ugcs

2018 Open Days:
27 and 28 June and 14 September
ox.ac.uk/opendays

Computer Science Open Day:
12 May 2018 – booking required
www.cs.ox.ac.uk/opendays

The courses listed above are illustrative and may change. A full list of current options is available on the course website (details above).

1ST YEAR

Courses
Core courses (100%):
• Continuous mathematics
• Design and analysis of algorithms
• Digital systems
• Discrete mathematics
• Functional programming
• Imperative programming
• Introduction to formal proof
• Linear algebra
• Probability

Assessment
Four exam papers

2ND YEAR

Courses
Core courses (50%):
• Algorithms
• Compilers
• Concurrent programming
• Models of computation

Current options (50%) include:
• Computer architecture
• Computer graphics
• Computer networks
• Databases
• Intelligent systems
• Logic and proof

Assessment
Four exam papers

3RD YEAR

Courses
Current options (67%) include:
• Computational complexity
• Machine learning
• Computer security
• Computer-aided formal verification
• Geometric modelling
• Knowledge representation and reasoning
• Lambda calculus and types
• Principles of programming languages

Project work (33%)

Assessment
Ten exam papers plus project report

4TH YEAR

Courses
Current options (62%) include:
• Automata, logic and games
• Advanced security
• Categories, proofs and processes
• Computational game theory
• Computational learning theory
• Computer animation
• Concurrent algorithms and data structures
• Database systems implementation
• Probabilistic model checking
• Probability and computing
• Quantum computer science
• Requirements

Project work (38%)

Assessment
Five take–home exams or written papers plus project report

Course details:
www.cs.ox.ac.uk/ugadmissions

+44 (0) 1865 273821 / 273863
undergraduate.admissions@cs.ox.ac.uk

Which colleges offer this course? See page 144

Amazing Computer Science at Oxford
We’re changing the world: modelling the human body in the fight to cure cancer; programming swarms of autonomous helicopters that can find survivors in disaster zones; ensuring privacy online.

We look for proven mathematical flair, the ability to think and work independently, the capacity to absorb and use new ideas, and enthusiasm. We use these criteria and the Mathematics Admissions Test (MAT) results to decide whom to interview.

At interview, we explore how you tackle unfamiliar problems and respond to new ideas; we are more interested in how you approach problem-solving than the solution. We don’t require any previous formal qualification in computing, but we do expect a real interest in the subject.

Common roles for graduates include computer programmer, software designer and engineer, financial analyst and scientific researcher.

Graduates in Computer Science from Oxford were the top earners in the 2017 Sunday Times league table of graduate salaries. Six months after graduation our students had achieved a mean salary of £45,000, higher than graduates of all other UK undergraduate degree courses.

The courses listed above are illustrative and may change. A full list of current options is available on the course website (details above).

Requirements and applying:
ox.ac.uk/ugcs

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Course details:
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Which colleges offer this course? See page 144

Amazing Computer Science at Oxford
We’re changing the world: modelling the human body in the fight to cure cancer; programming swarms of autonomous helicopters that can find survivors in disaster zones; ensuring privacy online.
Artificial intelligence (AI), logic, robotics, virtual reality: fascinating areas where Computer Science and Philosophy meet. There are many others, since the two disciplines share a broad focus on the representation of information and rational inference, embracing common interests in algorithms, cognition, intelligence, language, models, proof and verification. Computer scientists need to be able to reflect critically and philosophically about these, as they push forward into novel domains. Philosophers need to understand a world increasingly shaped by technology, in which a whole new range of enquiry has opened up, from the philosophy of AI, to the ethics of privacy and intellectual property.

Some of the greatest thinkers of the past – including Aristotle, Hobbes and Turing – dreamed of automating reasoning and what this might achieve; the computer has now made it a reality, providing a wonderful tool for extending our speculation and understanding.

The study of Philosophy develops analytical, critical and logical rigour, and the ability to think through the consequences of novel ideas and speculations. It stretches the mind by considering a wide range of thought on subjects as fundamental as the limits of knowledge, the nature of reality and our place in it, and the basis of morality. Computer Science is about understanding computer systems at a deep level. Computers and the programs they run are among the most complex products ever created. Designing and using them effectively presents immense challenges. Facing these challenges is the aim of Computer Science as a practical discipline.

Both subjects are intellectually exciting and creative. The degree combines analytical and technical knowledge with rhetorical and literary skills, and the chance to study within two internationally acclaimed academic departments.

Computer Science and Philosophy can be studied for three years (BA) or four years (Master of Computer Science and Philosophy). Students do not need to choose between the three-year or four-year option when applying: all students apply for a four-year course, and then decide at the start of the third year whether they wish to continue to the fourth year (which is subject to achieving a 2:1 at the end of the third year).

The first year covers core material in both subjects, including a bridging course studying Turing’s pioneering work on computability and artificial intelligence. Later years include a wide range of options, with an emphasis on courses near the interface between the two subjects. The fourth year allows the study of advanced topics and an in-depth research project.

**A typical weekly timetable**

For the first two years, your work is divided between lectures (about ten a week), tutorials in your college (two or three a week) and Computer Science practical classes (about one session a week). In the second year you will take part in a Computer Science group design practical, many of which are sponsored by industry. In your third and fourth years the Philosophy courses continue similarly, but most Computer Science courses are run as classes in the department rather than tutorials.
**What are tutors looking for?**
For Computer Science: strong mathematical aptitude, the ability to think and work independently, the capacity to absorb and use new ideas, and enthusiasm. For Philosophy: a critical and analytical approach to abstract questions, the ability to defend a viewpoint by reasoned argument, and a desire to delve deeper into the way we think about things. You do not need to have previously studied either subject.

**CSP CAREERS**
Graduates will have highly marketable skills. Computer Science teaches you how to program, to design processes that are effective and efficient, to reason logically and formally. Philosophy teaches how to analyse complex concepts and the interconnections between them and – crucially – how to express this analysis, elegantly and precisely, in written form. This ability to analyse complex issues, both technically and discursively, provides the intellectual equipment needed for technical leadership and high-level positions in today’s complex world.

### Courses

<table>
<thead>
<tr>
<th><strong>1ST YEAR</strong></th>
<th><strong>2ND YEAR</strong></th>
<th><strong>3RD YEAR</strong></th>
<th><strong>4TH YEAR</strong></th>
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<tbody>
<tr>
<td><strong>Courses</strong></td>
<td><strong>Courses</strong></td>
<td><strong>Courses</strong></td>
<td><strong>Courses</strong></td>
</tr>
<tr>
<td><strong>Computer Science:</strong></td>
<td><strong>Computer Science core courses (25%):</strong></td>
<td><strong>Computer Science (25–75%):</strong></td>
<td><strong>Computer Science:</strong></td>
</tr>
<tr>
<td>• Functional programming</td>
<td>• Models of computation</td>
<td>• Current options include:</td>
<td>Current advanced options include:</td>
</tr>
<tr>
<td>• Design and analysis of algorithms</td>
<td>• Algorithms</td>
<td>• Computational complexity</td>
<td>• Advanced security</td>
</tr>
<tr>
<td>• Imperative programming</td>
<td><strong>Computer Science options (25%):</strong></td>
<td>• Machine learning</td>
<td>• Automata, logic and games</td>
</tr>
<tr>
<td>• Discrete mathematics</td>
<td>Current options include:</td>
<td>• Computer–aided formal verification</td>
<td>• Computational game theory</td>
</tr>
<tr>
<td>• Probability</td>
<td>• Compilers</td>
<td>• Computers in society</td>
<td>• Concurrent algorithms and data structures</td>
</tr>
<tr>
<td><strong>Philosophy:</strong></td>
<td>• Concurrent programming</td>
<td>• Knowledge representation and reasoning</td>
<td>• Quantum Computer Science</td>
</tr>
<tr>
<td>• General philosophy</td>
<td>• Databases</td>
<td><strong>Philosophy (25–75%):</strong></td>
<td>Optional Computer Science project</td>
</tr>
<tr>
<td>• Elements of deductive logic</td>
<td>• Intelligent systems</td>
<td>Current options include:</td>
<td>Philosophy:</td>
</tr>
<tr>
<td>• Turing on computability and intelligence</td>
<td><strong>Philosophy (50%):</strong></td>
<td>• Philosophical logic</td>
<td>Advanced options in Philosophy</td>
</tr>
<tr>
<td></td>
<td>Current options include:</td>
<td>• Philosophy of cognitive science</td>
<td>Optional Philosophy thesis</td>
</tr>
<tr>
<td></td>
<td>• Knowledge and reality</td>
<td>• Philosophy of mathematics</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Early modern philosophy</td>
<td>• Philosophy of logic and language</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Philosophy of science</td>
<td>and many others</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Philosophy of mind</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Ethics</td>
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</tbody>
</table>

**Assessment**

- 1ST YEAR: Five written papers
- 2ND YEAR: Two Computer Science papers
- 3RD YEAR: Between nine and eleven three-hour written papers, including at least two in Computer Science and at least three in Philosophy
- 4TH YEAR: Computer Science: written paper or take-home exam; Philosophy: three-hour written paper and 5,000-word essay

The courses listed above are illustrative and may change. A full list of current options is available on the course website (details above).
The Earth Sciences are changing rapidly in scope and nature. The course at Oxford reflects these changes, and provides sound and broadly based scientific training. Students are trained in the skills required for the interpretation of rock materials and geological phenomena as well as applying theory and techniques from physics, chemistry, materials science and biology to the study of the Earth and the environment.

The department has an international reputation, and houses state-of-the-art laboratories and computing facilities. Students, teachers and visitors mix and work together. Offices and teaching labs are close together but with plenty of shared open space, so you will become part of a vibrant community. This creates an atmosphere in which a student does not only learn the basics, but also gets some feel for the discoveries emerging from current research.

The diversity of the subject is reflected in the range of courses which cover processes from the Earth’s interior, as mapped by seismic waves, to the evolution of the Earth’s crust documented in the rocks at the surface, to ocean and atmospheric circulation, through to the evolution of life on Earth.

Fieldwork/international opportunities

The Earth Sciences course includes several excursions. These link closely to material covered in lectures, and convey the practice of geology, geophysics, geochemistry and palaeontology in the field environment. This work culminates in an independent project to study and map an area chosen by the student. Many of the field excursions take place out of term time, so students must be available outside term.

A typical weekly timetable

During years 1–3, your work is divided between lectures, tutorials, and practical classes. In year 4 you have the opportunity for independent work on special topics or in a research laboratory.

Application information

Students can apply for a three-year BA in Geology or a four-year MEarthSci. These are the same for the first three years. If students are not sure which course they would prefer, it is best to apply for the MEarthSci, as it is easier to transfer to the BA later on. Continuation to 4th year and the MEarthSci is dependent on satisfactory performance in the 3rd year. Students who do not meet the MEarthSci requirements will be awarded the BA Geology.

What are tutors looking for?

Tutors are looking for highly motivated individuals with the intellectual skills necessary to do well on the course. As part of the interview process, candidates may be asked to comment on geological specimens, or carry out simple calculations, but always with due recognition of their previous knowledge of the subject being discussed.

For information about selection criteria please see: ox.ac.uk/criteria.
**ESG CAREERS**

Typical destinations for Earth Sciences graduates include the energy industry, the environmental sector and engineering/technical consultancies. Some enter unrelated professions, in which the analytical and problem-solving skills they have developed are highly sought after. Around 40% continue to study, through a PhD or further master’s course.

Martin works in the mining industry for De Beers Canada as a Field Geologist. He says: ‘My Oxford degree helped me to develop the knowledge, understanding and confidence to approach geological problems in a critical and informed manner. I appreciate the course’s focus on both the theoretical and practical side of geology.’

Rachael works for BP as a geoscientist. She says: ‘I am currently working as an Operations Geologist in London for a project based in North Africa. My degree gave me the technical basis for my career, but more importantly it taught me how to think out complex issues from basic principles and to motivate myself to produce the best results I can.’

<table>
<thead>
<tr>
<th>1ST YEAR</th>
<th>2ND YEAR</th>
<th>3RD YEAR</th>
<th>4TH YEAR</th>
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</thead>
<tbody>
<tr>
<td><strong>Courses</strong></td>
<td>Students take all courses in five parallel streams:</td>
<td>Students take all courses in five parallel streams:</td>
<td>Students choose four options (currently out of eight to ten), generally two in each term:</td>
</tr>
<tr>
<td>• Planet Earth</td>
<td>• Earth deformation and materials</td>
<td>• Natural resources</td>
<td>• Anatomy of a mountain belt</td>
</tr>
<tr>
<td>• Fundamentals of geology I</td>
<td>• Palaeobiology</td>
<td>• Sedimentary basins</td>
<td>• Planetary chemistry</td>
</tr>
<tr>
<td>• Fundamentals of geology II</td>
<td>• Petrology</td>
<td>• The oceans</td>
<td>• Structure and dynamics of the Earth’s mantle</td>
</tr>
<tr>
<td>• Physics, chemistry and biology for Earth Sciences</td>
<td>• Geochemistry and ocean chemistry</td>
<td>• Climate</td>
<td>• Records of major environmental change in Earth’s history</td>
</tr>
<tr>
<td>• Mathematics for Materials and Earth Sciences</td>
<td>• Mathematical and geophysical tools</td>
<td>• Seismology and earth structure/Vector calculus</td>
<td>• Palaeobiology</td>
</tr>
<tr>
<td><strong>Field courses</strong></td>
<td>Field courses</td>
<td>Field courses</td>
<td>Field courses</td>
</tr>
<tr>
<td>• Pembroke field course (pre-session)</td>
<td>• Dorset field course</td>
<td>• South–east Spain field course</td>
<td>Optional field courses as announced each year</td>
</tr>
<tr>
<td>• Arran field course (introduction)</td>
<td>• Assyt field course (mapping)</td>
<td><strong>Independent field mapping project</strong> (conducted over summer break between 2nd and 3rd years)</td>
<td><strong>Independent work</strong></td>
</tr>
<tr>
<td>• Local field courses</td>
<td></td>
<td><strong>Extended essay</strong></td>
<td>Research project over 2.5 terms</td>
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</tbody>
</table>

**Assessment**

<table>
<thead>
<tr>
<th>1ST YEAR</th>
<th>2ND YEAR</th>
<th>3RD YEAR</th>
<th>4TH YEAR</th>
</tr>
</thead>
</table>

**Requirements and applying:**

- ox.ac.uk/ugearth
- 2018 Open Days: 27 and 28 June and 14 September
- ox.ac.uk/opendays

**Which colleges offer this course? See page 144**

The options listed above are illustrative and may change. A full list of current options is available on the course website (details above).
ECONOMICS AND MANAGEMENT BA 3 YEARS

UCAS code: LN12

Entrance requirements
A-levels: A*AA including Mathematics at grade A or above
Advanced Highers: AA/AAB
IB: 39 (including core points) with 766 at HL
Or any other equivalent
Candidates are required to have Mathematics to A-level (A* or A grade), Advanced Higher (A grade), Higher Level in the IB (score 6 or 7) or another equivalent.

A typical weekly timetable
• Six lectures and two tutorials or classes
• Preparation for the tutorials and classes: reading, writing essays, solving problem sets; up to two and a half days for each tutorial or class
• Discussing the essay or the problems in the tutorial or class

What are tutors looking for?
• An interest in and a motivation for studying the organisation of businesses and the economy
• Independence and flexibility of mind
• An ability to analyse and solve problems logically and critically
• A capacity to construct and critically assess arguments
• A willingness and an ability to express ideas clearly and effectively both on paper and orally.

The interview is not primarily a test of existing knowledge and, in particular, is not a test of economics or management, unless these subjects have been studied before.

It’s not just about doing the work – it’s about engaging fully in the subject. You’re going to discuss this subject each week with a world expert, who is passionate about it as well. DARA

A 3-year average (2015–17)
Interviewed: 25%
Successful: 7%
Intake: 83

How to apply
✓ Tests: TSA. For test date and registration details please see ox.ac.uk/tests
✗ Written work: None required

Fees, living costs and funding
See page 186 and ox.ac.uk/funding

Economics studies how consumers, firms and governments make decisions that together determine how resources are allocated. An appreciation of economics helps to make sense of government policy-making, the conduct of businesses and the enormous changes in economic systems which are occurring throughout the world.

Management is concerned with the effective use and coordination of materials and labour within organisations in the pursuit of the organisation’s defined objectives. It considers the inter-relationship and interactions between distinct parts of an organisation, and between the organisation and its environment. Management students look at theories, models and frameworks in order to understand how managers behave and consider their role in the process of decision-making.

This top-ranking Economics and Management undergraduate degree programme examines issues central to the world: how the economy and organisations function, and how resources are allocated and coordinated. Economics and Management are ideal intellectual partners. Economics provides a broad understanding of economic activity within which all organisations function; Management in turn analyses the character and goals of that functioning.

The lectures and seminars are provided by the Department of Economics and the Said Business School.
E&M CAREERS

Graduates in Economics and Management are among the most sought after by employers. Their current employers include leading international organisations in traditional activities, as well as new start-up companies in a variety of high-tech fields. Recent graduates have secured positions in banking and finance, consultancy, research and teaching as well as a wide range of other sectors.

Dean is an analyst for Greenhill & Co, a leading independent mergers and acquisitions advisory firm. He says: 'Oxford provided an unparalleled opportunity to enhance my self-confidence, develop thorough analytical skills and hone my ability to communicate in a clear and articulate manner – prerequisites for a career in investment banking.'

MORE ABOUT

Requirements and applying:
ox.ac.uk/ugem

2018 Open Days:
27 and 28 June and 14 September
ox.ac.uk/opendays

Course details:
www.economics.ox.ac.uk
+44 (0) 1865 271098
econundergrad@economics.ox.ac.uk
www.sbs.ox.ac.uk
+44 (0) 1865 288800

Which colleges offer this course? See page 144

1ST YEAR

Courses
Three courses are taken:
• Introductory economics
• General management
• Financial management

Assessment
First University examinations:
Three written papers

2ND AND 3RD YEARS

Courses
Compulsory courses:
• Microeconomics
• Macroeconomics
• Quantitative economics

Optional courses, of which at least two must be in Management. Choose from more than 20 options papers. Current options include:
• Strategic management
• Finance
• Organisational behaviour
• Marketing
• Economics of industry
• International economics
• Development economics

The options listed above are illustrative and may change. More information about current options is available on the Said Business School website (details above).

Assessment
Final University examinations: The three core Economics papers and five optional papers (including at least two from Management) are examined by written examinations. It is possible to write a thesis in either Economics or Management in place of one optional paper.

TOP-RATED DEGREE

Oxford’s undergraduate degree in Economics and Management is ranked number one in the 2018 Guardian league table for degrees in business, management and marketing.
Engineering Science encompasses a vast range of subjects, from microelectronics to offshore oil platforms, and involves the application of creative reasoning, science, mathematics (and of course experience and common sense) to real problems.

The Department of Engineering Science at Oxford has a top-level quality assessment rating for teaching, and a world-class reputation for research. Because we believe that future engineering innovation will benefit from broad foundations as well as specialised knowledge, teaching is based on a unified course in Engineering Science, which integrates study of the subject across the traditional boundaries of engineering disciplines. Links between topics in apparently diverse fields of engineering provide well-structured fundamental understanding, and can be exploited to give efficient teaching.

The Engineering Science programme is a four-year course, leading to the degree of Master of Engineering. The first two years are devoted to topics which we believe all Engineering undergraduates should study. In the third and fourth years there is scope for specialisation into one of six branches of engineering: Biomedical, Chemical, Civil, Electrical, Information and Mechanical. Decisions about which of these will be your specialisation can be deferred until the third year. In the fourth year there may be opportunities to study abroad.

The course is accredited every four years by the major engineering institutions in respect of the initial requirements for the designation of chartered engineer.

Industrial experience is an extremely important adjunct to an academic engineering education, and undergraduates are strongly encouraged to obtain it. One way to do so is by being sponsored. Further information is generally available through your careers teacher, or from the engineering institutions.

If your sponsoring company wants you to spend a year with them before university, you will be asked to declare this at your interview and in your UCAS application.

A typical weekly timetable
As a guide, in an average week you will have approximately ten lectures and two college tutorials or classes. In some weeks in the first two years you will also have up to five hours of practical work.

What are tutors looking for?
Enthusiasm for engineering combined with high ability in mathematics and physics is essential for those wishing to study any engineering course. These qualities will be tested at the interview and combined with an assessment of your predicted and attained examination performance (especially in mathematics and physics, and your PAT score) to decide who will be offered places.
ES CAREERS

Oxford Engineering Science graduates work in many different sectors such as banking and investment, consultancy, accountancy, IT and computing, energy and the environment.

However, as you may expect, most go on to work in the engineering and manufacturing sector. Some decide to continue their studies at Oxford, or elsewhere, by working towards a doctorate.

Mark now works as a race strategy modeller at Ferrari and says: ‘My work involves applying mathematical techniques to a variety of engineering problems related to Formula One cars. One recent example has been with race strategy, where we try to choose the optimum times to pit the car throughout a race and the best tyres to put on. I believe the reputation of the Oxford engineering degree was an important factor in securing a job in Formula One.’

MORE ABOUT

Requirements and applying:
ox.ac.uk/uges

2018 Open Days:
27 and 28 June and 14 September
ox.ac.uk/opendays

Course details:
www.eng.ox.ac.uk
+44 (0) 1865 273006
faculty.office@eng.ox.ac.uk

Which colleges offer this course? See page 144

1ST YEAR

Courses
• Mathematics
• Electrical and information engineering
• Structures and mechanics
• Energy and the environment
• Engineering practical work

Assessment
First University examinations:
Four written papers;
Assessment of Engineering practical work

2ND YEAR

Courses
• Mathematics
• Electrical and information engineering
• Structures, materials and dynamics
• Energy systems
• Engineering practical work

Assessment
Final University examinations, Part A:
Four written papers;
Assessment of Engineering practical work

3RD YEAR

Courses
• Five optional Engineering courses
• Engineering in society
• Engineering computation
• Engineering practical work
• Group design project

Assessment
Final University examinations, Part B:
Six written papers;
Assessment of Engineering practical work;
Project reports
(Engineering Computation and Design Project)

4TH YEAR

Research
A major project, plus six specialist courses chosen from within the areas of:
• Biomedical engineering
• Chemical engineering
• Civil engineering
• Electrical engineering
• Engineering mathematics
• Information engineering
• Mechanical engineering
• Production engineering

The options listed above are illustrative and may change. More information about current options is available on the course website (details above).

SET AWARDS SUCCESS

These are Europe’s most important science, engineering and technology awards for undergraduates. A small number of students from Oxford’s Department of Engineering Science choose to enter for these awards each year, gaining recognition for themselves and the department.

OXFORD IS RANKED FIRST IN THE WORLD

Oxford is ranked first in the world for general engineering in the 2018 Times Higher Education subject league tables.

No. 1 IN THE WORLD

Oxford is ranked first in the world for general engineering in the 2018 Times Higher Education subject league tables.

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MORE ABOUT

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ox.ac.uk/uges

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ox.ac.uk/opendays

Course details:
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+44 (0) 1865 273006
faculty.office@eng.ox.ac.uk

Which colleges offer this course? See page 144

1ST YEAR

Courses
• Mathematics
• Electrical and information engineering
• Structures and mechanics
• Energy and the environment
• Engineering practical work

Assessment
First University examinations:
Four written papers;
Assessment of Engineering practical work

2ND YEAR

Courses
• Mathematics
• Electrical and information engineering
• Structures, materials and dynamics
• Energy systems
• Engineering practical work

Assessment
Final University examinations, Part A:
Four written papers;
Assessment of Engineering practical work

3RD YEAR

Courses
• Five optional Engineering courses
• Engineering in society
• Engineering computation
• Engineering practical work
• Group design project

Assessment
Final University examinations, Part B:
Six written papers;
Assessment of Engineering practical work;
Project reports
(Engineering Computation and Design Project)

4TH YEAR

Research
A major project, plus six specialist courses chosen from within the areas of:
• Biomedical engineering
• Chemical engineering
• Civil engineering
• Electrical engineering
• Engineering mathematics
• Information engineering
• Mechanical engineering
• Production engineering

The options listed above are illustrative and may change. More information about current options is available on the course website (details above).

SET AWARDS SUCCESS

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MORE ABOUT

Requirements and applying:
ox.ac.uk/uges

2018 Open Days:
27 and 28 June and 14 September
ox.ac.uk/opendays

Course details:
www.eng.ox.ac.uk
+44 (0) 1865 273006
faculty.office@eng.ox.ac.uk

Which colleges offer this course? See page 144

1ST YEAR

Courses
• Mathematics
• Electrical and information engineering
• Structures and mechanics
• Energy and the environment
• Engineering practical work

Assessment
First University examinations:
Four written papers;
Assessment of Engineering practical work

2ND YEAR

Courses
• Mathematics
• Electrical and information engineering
• Structures, materials and dynamics
• Energy systems
• Engineering practical work

Assessment
Final University examinations, Part A:
Four written papers;
Assessment of Engineering practical work

3RD YEAR

Courses
• Five optional Engineering courses
• Engineering in society
• Engineering computation
• Engineering practical work
• Group design project

Assessment
Final University examinations, Part B:
Six written papers;
Assessment of Engineering practical work;
Project reports
(Engineering Computation and Design Project)

4TH YEAR

Research
A major project, plus six specialist courses chosen from within the areas of:
• Biomedical engineering
• Chemical engineering
• Civil engineering
• Electrical engineering
• Engineering mathematics
• Information engineering
• Mechanical engineering
• Production engineering

The options listed above are illustrative and may change. More information about current options is available on the course website (details above).

SET AWARDS SUCCESS

These are Europe’s most important science, engineering and technology awards for undergraduates. A small number of students from Oxford’s Department of Engineering Science choose to enter for these awards each year, gaining recognition for themselves and the department.
The English Language and Literature course is one of the broadest in the country, giving you the chance to study writing in English from its origins in Anglo-Saxon England to the literature of the 20th and early 21st centuries. As well as British literature, you can study works written in English from other parts of the world. The course also allows you a considerable degree of choice about the topics you would like to concentrate on. Studying literature at Oxford involves the development of sophisticated reading skills and of an ability to place literary texts in their wider intellectual and historical contexts. It also requires you to consider the critical processes by which you analyse and judge, to learn about literary form and technique, and to study the development of the English language.

The Oxford English Faculty is the largest English department in Britain. All Oxford colleges have at least two tutors in English who are responsible for tutorial teaching in their own college. Many also give lectures to all students in the English Faculty. You therefore have the opportunity to learn from a wide range of specialist teachers.

Library provision for English at Oxford is exceptionally good. All students have access to the Bodleian Library, the English Faculty Library, other faculty libraries and their own college libraries. The English Faculty has long pioneered the use of electronic resources in teaching, and has a wide range of resources and facilities. The faculty building has its own computer room and all colleges have computing facilities for undergraduates to use.

In your first year you will be introduced to the conceptual and technical tools used in the study of language and literature, and to a wide range of different critical assumptions and approaches. At the same time, you will be doing tutorial work on early medieval literature, Victorian literature and modern literature up to the present day.

In your second and third years you will extend your study of English literary history in four more period papers ranging from late medieval literature to the Romantic age. These papers are assessed by three-hour written examinations at the end of your third year. You will also produce a portfolio of work on Shakespeare; an essay (or occasionally an examination) relating to a Special options paper with topics based on faculty research expertise; and an 8,000-word dissertation on a subject of your choice. Submitted work will constitute almost half of the final assessment for most students.

Alternatively, in the second and third years, you can choose to follow our specialist course in Medieval Literature and Language, whose papers cover literature in English from 650–1550 along with the history of the English language up to 1800, with a further paper either on Shakespeare or on manuscript and print culture. You will also take a Special options paper and submit a dissertation on a topic of your choice.

**UCAS code:** Q300

**Entrance requirements**

**A-levels:** AAA  
**Advanced Highers:** AA/AAB  
**IB:** 38 (including core points) with 666 at HL  
Or any other equivalent

Candidates are expected to have English Literature, or English Language and Literature to A-level, Advanced Higher, Higher Level in the IB or any other equivalent. A language or History can be helpful to students in completing this course, although they are not required for admission.

**3-year average (2015–17)**

Interviewed: 59%  
Successful: 23%  
Intake: 226

**How to apply**

- **Tests:** ELAT. For test date and registration details please see [ox.ac.uk/tests](http://ox.ac.uk/tests)  
- **Written work:** One piece  
  See [ox.ac.uk/writework](http://ox.ac.uk/writework)

**Fees, living costs and funding**

See page 186 and [ox.ac.uk/funding](http://ox.ac.uk/funding)
A typical weekly timetable
Although details of practice vary from college to college, most students will have one or two tutorials and classes each week. A tutorial usually involves discussion of an essay, which you have produced based on your own reading and research that week. You will normally be expected to produce between eight and twelve pieces of written work each term. Most students also attend three or four lectures each week.

What are tutors looking for?
Successful candidates will tend to be those who can give evidence of wide, enthusiastic and thoughtful reading. Tutors appreciate that you may be nervous in interview. You should not be afraid to defend your views or to suggest authors whose work you would particularly like to discuss. Shortlisted candidates may be asked to discuss a piece of prose or verse supplied before or in the interview.

For further information about the selection criteria see: ox.ac.uk/criteria.

ELL CAREERS
A number of English graduates (about 7%) choose to undertake research, while many more use the communication and analytical skills they develop at Oxford in a range of careers including advertising, acting, publishing, teaching, librarianship, public relations, journalism, the law, management consultancy and finance.

### 1ST YEAR

<table>
<thead>
<tr>
<th>Courses</th>
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</thead>
<tbody>
<tr>
<td>Four papers are taken:</td>
</tr>
<tr>
<td>• Introduction to English Language and Literature</td>
</tr>
<tr>
<td>• Early medieval literature 650–1350</td>
</tr>
<tr>
<td>• Literature in English 1830–1910</td>
</tr>
<tr>
<td>• Literature in English 1910–present day</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>Assessment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Three written papers form the First University Examination, together with a submitted portfolio of two essays for Introduction to English Language and Literature. All exams must be passed, but marks do not count towards the final degree.</td>
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</tbody>
</table>

### 2ND YEAR

<table>
<thead>
<tr>
<th>Courses</th>
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</thead>
<tbody>
<tr>
<td>Course I:</td>
</tr>
<tr>
<td>• Literature in English 1350–1550</td>
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<tr>
<td>• Literature in English 1550–1660</td>
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<tr>
<td>• Literature in English 1660–1760</td>
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<tr>
<td>• Literature in English 1760–1830</td>
</tr>
<tr>
<td>Course II:</td>
</tr>
<tr>
<td>• Literature in English 650–1100</td>
</tr>
<tr>
<td>• Medieval English and related literatures 1066–1550</td>
</tr>
<tr>
<td>• Literature in English 1350–1550</td>
</tr>
<tr>
<td>• The history of the English language to c1800</td>
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<table>
<thead>
<tr>
<th>Assessment (3rd year)</th>
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</thead>
<tbody>
<tr>
<td>All period papers will be examined by final written examinations at the end of the third year. Most students will submit one extended essay for Special options, due in at the end of the first term; dissertation and portfolio for Shakespeare/The material text, due during the second term.</td>
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</tbody>
</table>

### 3RD YEAR

<table>
<thead>
<tr>
<th>Courses</th>
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<tbody>
<tr>
<td>Course I:</td>
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<tr>
<td>• Shakespeare (may also be studied in the 2nd year)</td>
</tr>
<tr>
<td>Course II:</td>
</tr>
<tr>
<td>• The material text or Shakespeare (choice of option)</td>
</tr>
<tr>
<td>Both courses:</td>
</tr>
<tr>
<td>• Special options paper</td>
</tr>
<tr>
<td>• Dissertation</td>
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</tbody>
</table>

More information on current options is available on the course website (details above).
English and Modern Languages BA 4 years with a year abroad

English and either Czech (with Slovak), French, German, Modern Greek, Italian, Portuguese, Russian or Spanish

UCAS codes: see combinations

Course combinations
You can either study English with a Modern Language you already speak, or with a Modern Language you’d like to learn from scratch.

The following course combinations you would usually be expected to have the Modern Language to A-level, or another academic equivalent.

- English and Czech QR37
- English and French QR31
- English and German QR32
- English and Modern Greek QR37
- English and Italian QR33
- English and Portuguese QR35
- English and Russian QRH7
- English and Spanish QR34

The following course combinations allow you to begin studying a Modern Language from scratch.

- Beginners’ Czech QR3S
- Beginners’ Modern Greek QR39
- Beginners’ Italian RQ33
- Beginners’ Portuguese QR3M

The English side of the course offers you a choice from a list of papers covering all literature written in the English language from its origins in Anglo-Saxon through to works produced in English-speaking countries across the world in the present day. The Modern Language side of the course will give you practical linguistic training, encourage you to think coherently about language as a subject of study and introduce you to an extensive and fascinating field of Western literature and thought.

The English Faculty is the largest in the UK, and the Modern Languages Faculty is one of the largest, with both faculties including major scholars in all areas of the respective subjects. Students thus have access to a range of expert tutors.

Library provision at Oxford is excellent: all students have access to the English Faculty Library, the Taylor Institution Library (for languages), the Bodleian Library and their own college libraries.

The course is extremely flexible. In the first year you will do practical work in your chosen language and study a selection of important texts from its literature. On the English side, you will be introduced to the conceptual and technical tools used in the study of language and literature, and to a wide range of different critical assumptions and approaches. You will also do tutorial work on either early medieval, Victorian or modern literature. In the second year, a wide range of options opens up for you. Language work in your modern language will continue and you will study literature from a wide range of periods in English and in your language. The third
year of this four-year course is spent abroad – see below. On your return, you will choose from a range of special option papers in both English and Modern Languages, and in comparative literature.

International opportunities
Students spend a year abroad before their final year. Please see Modern Languages (page 112) for more information.

A typical weekly timetable
Most students will have one or two tutorials a week as well as compulsory language classes. Typically, students also attend three to four lecture courses per subject.

What are tutors looking for?
Successful candidates will have an aptitude for their modern language, will read widely and will enjoy writing and talking about literature and language. Candidates who are shortlisted may be asked to talk about a piece of prose or verse supplied before or in their interview.

For information about the selection criteria please see: ox.ac.uk/criteria.

EML CAREERS
Graduates in English and Modern Languages go on to careers in fields including broadcasting, publishing, teaching, journalism, the theatre, administration, management, advertising, translation, librarianship and the law. Knowledge of a modern language opens up opportunities for internationally focused careers and working with international companies or organisations.

1ST YEAR
Courses
Six papers are taken:
• Introduction to English Language and Literature
• One period paper from single honours English Language and Literature (see page 70)
• Two practical languages papers
• Two literature papers in modern languages

Assessment
Six written papers form the First University Examination including a submitted portfolio of two essays for Introduction to English Language and Literature.
All exams must be passed, but marks do not count towards the final degree.

2ND AND 4TH YEARS (3RD YEAR SPENT ABROAD)
Courses
• Three papers from single honours English Language and Literature (see page 70)
• Dissertation
• Modern Language (four papers) including: practical language work (two papers plus oral examination), a period of literature and options (prescribed authors and texts from the 12th to 20th centuries, a special subject or a linguistics paper)

Assessment
Papers will be examined by extended essays over the course of the second and fourth years, and by practical and written examinations at the end of your fourth year.

MORE ABOUT
Requirements and applying:
ox.ac.uk/ugeml
2018 Open Days:
27 and 28 June and 14 September
ox.ac.uk/opendays
Modern Languages and joint courses Open Day:
28 April 2018 – booking required
www.mod-langs.ox.ac.uk/open-days

Course details:
www.english.ox.ac.uk
+44 (0) 1865 271055
undergrad@ell.ox.ac.uk
www.mod-langs.ox.ac.uk
+44 (0) 1865 270750
reception@mod-langs.ox.ac.uk

Which colleges offer this course? See page 144

Please see
ox.ac.uk/erasmus
for details of current Erasmus opportunities for this course.
This course in European and Middle Eastern Languages (EMEL) enables students to combine papers in one of the languages taught in the Faculty of Modern Languages with papers in Arabic, Hebrew, Persian or Turkish, providing opportunities to take advantage of the cultural links which exist between a number of European and Middle Eastern languages. For example, appropriate combinations might well be French and Arabic, German and Turkish, or Hebrew and Russian, but even some of the less obvious pairings would provide similar cultural and historical linkage. So, Spanish and Turkish would be an interesting combination for the history of Sephardi Judaism, while Persian and Portuguese are important for the study of early imperialism.

Through its long-standing traditions and more recent gifts, Oxford has outstanding resources for the study of Middle Eastern and modern European languages. The Bodleian Library and Taylor Institution Library (for languages) have a magnificent collection of books and manuscripts. The Taylor Institution Library is one of the biggest research and lending libraries devoted to modern European languages in the world. Associated with the University is the Centre for Hebrew and Jewish Studies, which houses the Leopold Muller Library with more than 35,000 volumes in Hebrew and more than 7,000 volumes in Western languages.
International opportunities
You will normally spend your second year on an approved course of study in the Middle East. There are arrangements in place with partner universities to help you make the most of your time abroad. You are strongly advised to spend the adjacent summers in a country where the European language of your choice is spoken.

A typical weekly timetable
Your work is divided between language classes, lectures and tutorials (one or two a week). In the first year, the emphasis is on intensive learning of the Middle Eastern language. Throughout your course, you will prepare essays for your weekly tutorials and classes.

What are tutors looking for?
Tutors will be looking for a good command of the grammar of any language you have already studied at school or college and want to continue studying at Oxford, in addition to an interest in literature and culture.

For information about the selection criteria please see: ox.ac.uk/criteria.

EMEL CAREERS
Oxford graduates in these subjects regularly go into highly competitive areas such as the law, finance, commerce, management consultancy, accountancy, the media, advertising, the Foreign Office and the arts.

Recent European and Middle Eastern Languages graduates include a Foreign Office diplomat, a translator at the UN and a journalist at a foreign news channel.

Requirements and applying:
ox.ac.uk/ugemel
2018 Open Days:
27 and 28 June and 14 September
ox.ac.uk/opendays
Oriental Studies Open Day:
28 April 2018 – booking required
https://orinst.web.ox.ac.uk/article/open-days
Modern Languages and joint courses Open Day:
28 April 2018 – booking required
www.mod-langs.ox.ac.uk/open-days

ACCELERATED LANGUAGE LEARNING
Start a Middle Eastern language from scratch and within a year you’ll be studying full authentic texts.

MORE ABOUT
Course details:
www.mod-langs.ox.ac.uk
+44 (0) 1865 270750
reception@mod-langs.ox.ac.uk
www.orinst.ox.ac.uk
+44 (0) 1865 278312
undergraduate.admissions@orinst.ox.ac.uk
Which colleges offer this course? See page 144

1ST YEAR
Courses
European languages: two language papers and one literature paper
Middle Eastern language: intensive language learning

Assessment
First University examinations: Five written papers, plus oral/aural examination (Arabic only)

2ND YEAR
Courses
Year abroad
For the Middle Eastern Language, students attend an approved course of language instruction in the Middle East. For the European Language, students are encouraged to spend as much of their vacation time as possible in a relevant country.

Refer to sections on Oriental Studies (page 120) and Modern Languages (page 112).

Assessment
Qualifying examination at the end of the 2nd year course (Middle Eastern language only)

3RD AND 4TH YEARS
Courses
- Practical language work in the European language
- Period of literature and further paper chosen from a wide range of options in the European language
- Practical language work in the Middle Eastern language
- Three papers including literature and a range of options in the Middle Eastern language
- Extended essay on a topic bridging the European and the Middle Eastern language

The options listed above are illustrative and may change. More information about current options is available on the course websites (details above).

Assessment
Final University examinations: Nine written papers are taken including a bridging extended essay; Oral exam (both languages, but not Hebrew on the Middle Eastern side)
**Fine Art** BFA 3 Years

**UCAS code: W100**
(no deferred applications accepted)

**Entrance requirements**

**A-levels:** AAA

**Advanced Highers:** AA/AAAB

**IB:** 38 (including core points) with 666 at HL

Or any other equivalent

It is highly recommended for candidates to have studied Art at A-level, Advanced Higher, Higher Level in the IB or another equivalent and to take an Art Foundation course.

Applicants interested in applying for Fine Art who are studying for a BTEC National Extended Diploma (BTEC) will, as other candidates, have to submit a portfolio of work, and any offer will require candidates to achieve DDD grades. As the Fine Art degree also includes a substantial history and theory component, BTEC applicants will be expected to have successfully completed a range of modules that include art history.

**3-year average (2015–17)**

Interviewed: 22%

Successful: 11%

Intake: 28

**How to apply**

- **Tests:** No pre-interview tests
- **Written work:** None required

You must submit a portfolio and, if shortlisted, sit a practical test.

For details visit: www.rsa.ox.ac.uk

**Fees, living costs and funding**

See page 186 and ox.ac.uk/funding

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Fine Art is the making and study of visual art. It educates and prepares students to become artists and to follow other practices that are aligned to the making of art. The curriculum is centred on the individual student’s potential and imagination.

The Ruskin School of Art offers a three-year studio-based BFA course in which students work alongside each other in collaboratively organised studios. Whereas many fine art courses run in an environment devoted exclusively to art and design, Ruskin students, as members of a collegiate university, have the advantage of contact with their contemporaries on all of Oxford’s other courses.

The Ruskin course aims to develop strong independent points of view and a mature grasp of the range of critical debate surrounding contemporary art and its many international histories. Oxford’s short terms, coupled with the ambitious atmosphere at the Ruskin, suit highly motivated and resourceful students with a good sense of how to organise their time both in and out of Oxford.

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The Ruskin course aims to develop strong independent points of view and a mature grasp of the range of critical debate surrounding contemporary art and its many international histories. Oxford’s short terms, coupled with the ambitious atmosphere at the Ruskin, suit highly motivated and resourceful students with a good sense of how to organise their time both in and out of Oxford.

The first year of the course is structured to introduce students to each other, to the resources of the school and to the staff involved in teaching and running the Ruskin. Students will familiarise themselves with their fellow students’ work, take part in group criticism and engage in intensive dialogue with tutors and visiting artists.

The intimate working environment of the school, arranged in two buildings, allows art history, theory and criticism to be treated as integral to the development of studio work. The Ruskin also enjoys a strong and constructive relationship with Modern Art Oxford (an exciting and influential contemporary art space) and students have full access to the many exceptional University libraries and museums, including the Ashmolean.

**A typical weekly timetable**

Most students’ weeks will typically consist of several, or all, of the following: a history and theory lecture and seminar, a group critique of student art work, a one-to-one studio-based tutorial focusing on the individual student’s art work, a skills-based workshop, and a talk by a visiting artist or lecturer. Students spend much of their time working in their own studio spaces, where they are supported by specialists in the art-making tools, concepts, ideas and associated techniques available at the Ruskin.

**What are tutors looking for?**

All applicants are required to submit a portfolio of their art work. Tutors look for work that goes beyond the mere fulfilment of school curricula. The Ruskin seeks evidence of a breadth of engagement, a sense of purpose and an emerging artistic voice in the way the portfolio is edited. Candidates who are shortlisted are asked to bring a small number of additional recent pieces of their work to discuss during interview.

For further information about selection criteria see: ox.ac.uk/criteria.
FINE ART CAREERS

After graduation, most students go on to work in fine art as practising artists, teachers and art writers, or as curators in public and private galleries and for arts councils and organisations. Many also pursue careers in academia, architecture and the film industry.

We maintain close ties with former students and keenly follow their developing careers.

Holly Muir, 2016 BFA graduate, says: ‘Unlike most other art courses in the UK, the Ruskin does not require you to specialise in any particular medium. The freedom of this approach really appealed to me as I wanted the chance to determine how my work developed without an academic structure. As someone who loves reading and writing, the interesting blend of academic and practical that this course offers was perfect for me.’

Many Ruskin students have won or been shortlisted for several prestigious awards and art prizes. Ruth Spencer Jolly (BFA 2016), Melanie Eckersley (BFA 2015) and Emily Motto (BFA 2014) were amongst the Bloomberg New Contemporaries in their year of graduation. Elizabeth Price (BFA 1988) won the Turner Prize in 2012. Conrad Shawcross (BFA 1999) won the Jack Goldhill Award for Sculpture in 2014. In 2016, Helen Marten (BFA 2008) won the Turner Prize and the Hepworth Prize for Sculpture.

1ST YEAR

Courses

Students develop their studio work in discussion with the school’s lecturers, tutors and visiting staff. They are allocated a tutor at the outset, who monitors progress, sets targets and directs them in their studies. Work is regularly presented and discussed at group critiques involving staff and students from across the school. Alongside this, workshops and projects designed to introduce a range of techniques and approaches are offered throughout the year. In addition, students attend taught practical classes in drawing and human anatomy as well as lectures, seminars and tutorials in art history. Experimentation is highly encouraged.

Assessment

Practical studio-based work, human anatomy
Three submitted essays
One written paper in the history and theory of visual culture

2ND AND 3RD YEARS

Courses

Years two and three are similar in structure and continue the tutorial system introduced in the first year. All students are required to continue the study of art history and theory and to submit three essays during the course of the second year. In the first term of the third year they agree an extended essay title with their tutor. This essay is submitted at the end of the second term of the third year as part of the Final Examination. Students are expected to establish a strong bond between the interests of the essay and their studio studies.

Assessment (2nd year)

Satisfactory record in all areas of the course

Assessment (3rd year)

A final exhibition and a supporting portfolio of work made during the second and third years
An extended essay

One written paper in the history and theory of visual culture since 1900
Geography is a diverse discipline that bridges the arts and social and natural sciences, providing a broad education and addressing pressing issues including environmental change, regional and global inequalities and the transformation of global economy and culture. Students obtain a coherent view of the rapidly changing world and the ways in which society influences and is influenced by it.

The Oxford Geography degree focuses on the interrelationships between society and the physical and human environment. Students are introduced to the full range of geographical topics in the foundational courses, which they can then follow up in more detail in the optional papers. There is considerable emphasis on interdisciplinary approaches in the course, with opportunities to explore the cross-fertilisation between Geography and other disciplines such as anthropology, sociology, history, political science, economics, earth sciences and biology.

The facilities available are among the best in the country, notably:
- the Radcliffe Science Library (RSL), which holds a geography collection of over 28,000 volumes on its open shelves with many more held in closed stack storage. There are over 100 print journals on the open shelves of the RSL as well as electronic access to over 600 core journals;
- well-equipped Geolabs for practical physical courses and individual research projects.

Fieldwork and international opportunities
The School of Geography and the Environment emphasises the importance of fieldwork since it believes there is no substitute for teaching subjects at first hand. In the first year, all students take part in a four-day physical geography field trip at the start of term and local skills-related field days. Second-year students will undertake a week-long overseas field course (currently to Berlin and Tenerife). Independent research in the field or in archives is a key element of the dissertation. Each year, around 30% of our undergraduates choose to do their dissertation overseas.

A typical weekly timetable
- Lectures in the morning
- Seminars/practical classes in the afternoon
- Tutorials: at least one college tutorial a week, and some college-based classes.

What are tutors looking for?
Tutors are looking for students who match academic achievement with enthusiasm, commitment and an awareness of the world around them.

For further information see: ox.ac.uk/criteria.
GeoCAREERS

Geography graduates have a broad set of transferable skills including literacy, numeracy and graphicacy, along with their experience of research projects and working in groups. Some graduates are able to use their geographical knowledge directly in their work or in higher degrees. In recent years Geography graduates have proceeded to employment in management consultancy, local and central government, conservation and heritage management, the law, the media, teaching and research. You can see alumni profiles at www.geog.ox.ac.uk/undergraduate/course/careers.html.

GEOGRAPHY PODCASTS

The School of Geography and the Environment’s recorded talks and lectures are available at www.geog.ox.ac.uk/news/podcasts

MORE ABOUT

Requirements and applying: ox.ac.uk/uggeo
2018 Open Days: 27 and 28 June and 14 September ox.ac.uk/opendays
Geography Open Day: 11 June 2018 – booking required www.geog.ox.ac.uk/undergraduate/opendays.html

Course details:
www.geog.ox.ac.uk/undergraduate/course/course.html
+44 (0) 1865 275887
undergraduate.enquiries@geog.ox.ac.uk

Which colleges offer this course? See page 144

1ST YEAR

Courses
Four compulsory courses:
• Earth systems processes
• Human geography
• Geographical controversies
• Geographical techniques

Induction physical geography field trip to Dorset (four days)
One-day human geography field trip exercise in Oxford

Assessment
Four written papers: Two fieldwork reports; submitted essay on Geographical controversies

2ND AND 3RD YEARS

Courses
Geographical Research (core)
Foundational courses (two chosen)
• Space, place and society
• Earth system dynamics
• Environmental geography

Options (three chosen)
Options currently offered include:
• African societies
• Biogeography, biodiversity and conservation
• Climate change impacts and adaptation
• Climate change and variability
• Complexity
• Cultural spaces
• Desert landscapes and dynamics
• European integration
• Geographies of finance
• Geographies of nature
• Geography at war
• Geopolitics in the margins
• Island life
• New approaches to urban geography
• The Quaternary period
• Transport and mobilities

The options listed above are illustrative and may change. The University may cap the number of students who are able to take a particular one. A full list of current options is available on the course website (details above).

Dissertation
Overseas field trip

Assessment
Six written papers: Three extended essays, fieldwork report; dissertation

NO. 1 IN THE WORLD

Oxford Geography is ranked number one in the 2017 QS World University rankings, by subject.
The study of History at Oxford combines the examination of large regions over extended periods of time with more focused work on smaller groups, shorter periods and particular problems. It provides a distinctive education by developing an awareness of differing political, cultural, social and economic structures in past societies and their interrelationship. It combines vigorous debate over questions of interpretation with rigorous attention to the source materials. Its constant enrichment by cross-fertilisation from other disciplines leads to new questions about the past.

Oxford is celebrated for the broad chronological sweep of its courses and the enormous amount of choice offered to students. Students can study options on any part of British and European history from the declining years of the Roman Empire to the present day. The geographical range is also broad: there are options on North American, Latin American, Asian and African history (see website for further details). Students are encouraged to adopt a variety of interdisciplinary approaches to their work, and the faculty is strong on intellectual and cultural history options. The Oxford History Faculty is at the forefront of research.

A typical weekly timetable
Students are expected to attend about five lectures a week during the first year, participate in regular meetings with tutors to discuss work, research in libraries and write at least one essay a week. In the second and third years students choose from an enormous variety of lectures and their regular tutorials are supplemented by faculty classes where they discuss work with a larger number of students. The thesis gives all students the opportunity to engage in a piece of independent research. Throughout the course, students are very much in charge of their own timetable.

What are tutors looking for?
If you are shortlisted, your submitted work and UCAS personal statement may form starting points for discussion in your interview. Some colleges may require you to read a short passage of historical writing which they will ask you to discuss as part of the interview process. The tutors are not so much interested in the level of your knowledge as in your ability to think historically.

For further information about the selection criteria please see: ox.ac.uk/criteria.

HISTORY CAREERS
History graduates go on to follow careers in fields such as the law, investment banking and consultancies, advertising, accountancy, the Civil Service, publishing, journalism and the media, global charity work, museums, librarianship and archive work, and teaching. Recent graduates include a civil servant at the Department of Health, an investment management associate and a barrister.

Edward, now a curator, says: ‘My degree helped me acquire a position with the Pendle Heritage Centre and then at Historic Scotland. Afterwards I became a...
curator for the National Museum of the US Navy.’

David is a history teacher at Taunton School. He says: ‘A History degree was a prerequisite to teaching history to A-level and iB, but the Oxford degree accelerated my career path, allowing me to step straight into a position at an academic school. I use my degree on a daily basis, in teaching a wide range of historical topics as well as advising students about Oxford.’

Robin is the Managing Director of Schneider-Ross. He says: ‘On graduating, I joined Esso UK. Having met my wife there, in 1989 we decided to set up our own consultancy, Schneider-Ross, specialising in global diversity and inclusion. I feel History gave me all the skills I’ve called on to analyse data, make arguments and convince people of the need to change… and the confidence to work at board level with FTSE 100 companies (it’s just like a tutorial really).’

Sian says: ‘Since graduating I have worked as assistant brand manager on Pringles and Braun at Procter & Gamble. My degree taught me analytical skills, time management and the ability to think critically, all of which are crucial in my role.’

1ST YEAR

Courses

Four courses are taken:
• History of the British Isles
• European and world history
• Historical methods (choice of Approaches to history; Historiography: Tacitus to Weber; Quantification, one of several foreign text papers)
• Optional subject (choice of around 20 including: Theories of the state, Making England Protestant, 1558–1642; The rise and crises of European socialisms, 1881–1921; Radicalism in Britain, 1965–75)

Assessment
First University examinations: Four timed written exams

2ND AND 3RD YEARS

Courses

Six courses are taken:
• History of the British Isles
• European and world history
• Further subject (choice of about 35, including: China since 1900; The Near East in the age of Justinian and Muhammad, c527–700; The Middle East in the age of empire, 1830–71; The authority of nature: Race, heredity and crime, 1800–1940; Culture, politics and identity in Cold War Europe 1945–68; Britain at the movies: Film and national identity since 1914)
• Special subject: a paper and an extended essay (choice of about 30, including: The Norman conquest of England; Politics, art and culture in the Italian Renaissance, Venice and Florence c1475–1525; The Scientific Movement in the 17th century, English architecture, 1660–1720, Race, religion and resistance in the US, from Jim Crow to Civil Rights; Britain in the seventies; Terror and forced labour in Stalin’s Russia; From Gandhi to the Green Revolution: India, independence and modernity, 1947–73; Nazi Germany, a racial order, 1933–45; The Northern Ireland troubles, 1965–85)
• Disciplines of history
• Thesis

Assessment
Final University examinations: Four timed written exams; one portfolio of submitted essays; one extended essay; one thesis; an additional thesis may be offered

For the latest information on all course details and options see the course website (details above).
This course enables students to study history from the Bronze Age Mediterranean and Near East, through the Roman Empire, middle ages and early modern period, right up to British, European and world history in the present day. Fruitful comparisons between societies abound, and the methods by which we study them are mutually illuminating.

The extraordinary range of choices (more than 90 options) for this course reflects the breadth of interests of those who teach here. The Oxford Classics and History Faculties are world famous for teaching and research. The people who will teach you here will be leading researchers in their field, and lecturers are encouraged to put on new courses which reflect their own interests.

A typical weekly timetable
Your work is divided between lectures and classes, tutorials (one or two a week) and private study (including preparing essays for your weekly tutorials).

What are tutors looking for?
Tutors are keen to find out whether you can demonstrate the skills needed by History undergraduates. Even if you have not previously studied ancient history or classics, it is important to show some awareness of and interest in the ancient world, including its material remains.

Some colleges may require you to read a short passage of historical writing which they will ask you to discuss during your interview.

For further information about the selection criteria see: ox.ac.uk/criteria.

HISTORY (A&M) CAREERS
Oxford historians typically move on to careers in fields as varied as the law, investment banking and consultancies, advertising, accountancy, the Civil Service, publishing, journalism and the media, global charity work, museums, librarianship and archive work, and teaching.

Recent Ancient and Modern History graduates include a civil servant, a librarian and a charity campaign manager. Mary-Kate says: ‘Through my joint course I developed skills in working flexibly and under pressure, enhanced my analytical skills and learnt to be independently minded. These have all proven to be invaluable assets in my career as a Fast Streamer for the Home Office. Being a Fast Streamer means that you follow an accelerated training and development graduate programme.’
Heather now works as a Lecturer in British History at the Humboldt University in Berlin. She says: ‘Learning to work independently and under time pressure as an undergraduate was the perfect preparation for an academic career. It gave me the skills I needed to teach successfully at a university level and the self-confidence necessary to publish and present my research before my peers.’

<table>
<thead>
<tr>
<th>1ST YEAR</th>
<th>2ND AND 3RD YEARS</th>
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<tr>
<td><strong>Courses</strong></td>
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<tr>
<td>Four courses are taken:</td>
<td>Six courses are taken:</td>
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<tr>
<td>• One period of either Greek or Roman history</td>
<td>• A period of Greek or Roman history</td>
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<td>• One of the periods of European/World history offered</td>
<td>• A period of European/World history or one of the periods of the history of the British Isles</td>
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<td>• The world of Homer and Hesiod, or Augustan Rome, or one of the History optional subjects</td>
<td>• Further subjects including work on primary sources, textual or archaeological</td>
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<td>• A text-based paper on Herodotus, or Sallust, or Approaches to history, or Historiography: Tacitus to Weber from the History syllabus or Greek/Latin language paper</td>
<td>• A choice of further subjects (at least one of the further or the special subjects must be ancient) from the History syllabus, or an ancient further subject, including:</td>
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<td>– Athenian democracy in the classical age</td>
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<td>– Politics, society and culture from Nero to Hadrian</td>
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<td>– Religions in the Greek and Roman world c31 BC–AD 312</td>
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<td>– The Greeks and the Mediterranean world 950–500 BC</td>
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<td>– Art under the Roman Empire AD 14–337</td>
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<td>– The Hellenistic world: societies and cultures, c300 BC–100 BC</td>
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<td>• Special subjects (at least one of the further or the special subjects must be ancient) (including work on primary sources, textual or archaeological). A choice of about 30 special subjects from the History syllabus or an ancient special subject, including:</td>
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<td>– Alexander the Great and his early successors</td>
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<td>– Cicero: politics and thought in the late Republic</td>
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<td>– The Greek city in the Roman world from Dio Chrysostom to John Chrysostom</td>
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<td>• Disciplines of history</td>
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<td>• Thesis</td>
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<td>• Optional Greek/Latin language paper</td>
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**Assessment**

**First University examinations:**

Four timed written exams

**Assessment**

**Final University examinations:**

Six timed written exams and one thesis; (or five timed written exams, one extended essay and one thesis); (or four timed written exams, one portfolio of submitted essays, one extended essay and one thesis); (optional additional language paper)
The History and Economics course integrates these two subjects to form a coherent and intellectually stimulating programme. The combination allows insights that neither subject can realise alone. However, it is possible to specialise primarily in either History or Economics while still preserving the benefits of an integrated approach. The combination of economics, economic history and history (political as well as social) means that you will be equipped to view issues in the real world from a variety of contrasting perspectives. You will learn both the historian’s careful approaches to evidence and argumentation and the economist’s analytical and quantitative methods, providing an excellent preparation for a range of professional, financial and academic careers.

The course is designed to equip you with the basic tools of both history and economics, while introducing you to some of the areas which you can study later in more depth. You will be given a wide choice of subjects. Everyone studies introductory economics, which is designed to give a solid understanding of the foundations of both microeconomics and macroeconomics. The Economics core papers are identical to those for Philosophy, Politics and Economics (PPE) and students for both courses are generally taught together.

A typical weekly timetable
You will be expected to attend about five lectures a week during the first year, participate in regular meetings with tutors to discuss work, research in libraries and write at least one essay a week. In the second and third years you will have the opportunity to write a thesis on economic history, which will enable you to do a piece of independent research.

What are tutors looking for?
If you are shortlisted, your submitted work and UCAS personal statement are likely to form starting points for discussion in your interview. Some colleges may require you to read a short passage of historical writing which they will ask you to discuss as part of the interview process. The tutors are not so much interested in the level of your knowledge as in your ability to think historically. We do not require any previous formal qualification in economics, but we do expect you to demonstrate a real interest in the subject.

For further information about the selection criteria please see: ox.ac.uk/criteria.
HECO CAREERS

Some of the most popular careers for History and Economics graduates include working in industry, management consulting, the law, teaching and many branches of public service, including the Civil and Diplomatic Services, and the Bank of England. Recent History and Economics graduates include a management consultant, a charity officer and an economist.

Michael is currently the Managing Director for Thomson Reuters’ Treasury business across Asia Pacific. He says: ‘Running a broad region as diverse as Asia Pacific requires me to think laterally across cultures coupled with a concise and engaging focus – traits that one hones quickly from the tutorial approach at Oxford.’

MORE ABOUT

Requirements and applying:
[ox.ac.uk/ugheco](http://ox.ac.uk/ugheco)

2018 Open Days:
27 and 28 June and 14 September
[ox.ac.uk/opendays](http://ox.ac.uk/opendays)

For the latest information on all course details and options see the course websites (details above).

1ST YEAR

Courses
Four courses are taken:
• Introductory economics
• European and World history: four options available
• Quantification in history (available options: Approaches to history; Historiography: Tacitus to Weber; Foreign texts)
• Optional subject (involving the use of primary sources): 21 options available

Assessment
First University examinations:
Four timed written exams

2ND AND 3RD YEARS

Courses
Core courses in Economics and Economic History
Economics core papers:
• Microeconomics
• Macroeconomics
• Quantitative economics
History core papers:
• A period of British history or European/World history
• Development of the world economy since 1800
Optional papers:
• two further subjects in History
• two further subjects in Economics
• one further subject in History and one in British history/General history
• one further subject in History and one further subject in Economics
Compulsory thesis
A thesis from original research, usually in Economic history

Assessment
Final University examinations:
Seven timed written exams, and one compulsory undergraduate thesis or six timed written exams, one portfolio of submitted essays, one compulsory undergraduate thesis
A joint degree in History and English requires students to think critically about how we define ‘history’ and ‘literature’, and about how the two disciplines interrelate and, in large measure, overlap. Close attention is given to changing methodologies, to the nature of evidence and to styles of argument. It is assumed that historical documents are just as much ‘texts’ as are poems, plays or novels, and are therefore subject to interpretation as works of narrative, rhetoric and, fundamentally, language. Equally, it is assumed that poems, plays and novels represent historically grounded ways of interpreting a culture.

The History and English Faculties are among the largest in Britain, with long and distinguished traditions of teaching and research. Students are offered a great deal of choice in the course over their three years, and whether their interests are in the medieval period, the Renaissance or the later periods, intellectually fruitful combinations are always possible.

The course structure at Oxford is intended to enable students to relate literary and historical ideas as effectively as possible in the investigation of their chosen historical periods, topics or authors, while recognising that some students will wish to opt for variety rather than close congruity between their historical and literary papers. Interdisciplinarity is embedded in each year of the course with dedicated classes in the first year as part of the Introduction to English Language and Literature paper, a bridge paper taken in the second year and examined by extended essay, and an interdisciplinary dissertation in the final year. All interdisciplinary elements of this course are co-taught or co-supervised by a historian and a literary scholar.

Oxford possesses exceptional library provision for both subjects in the Bodleian Library, the History Faculty and English Faculty libraries, other faculty libraries and the college libraries.

**A typical weekly timetable**

Most students have up to two tutorials a week and are often, but not always, working on two papers simultaneously. Most students attend three to four lectures a week. In the first and second years, students will also attend interdisciplinary classes with both English and History tutors present, in preparation for the interdisciplinary bridge paper. For the final-year dissertation they will have an adviser from each discipline.

**What are tutors looking for?**

Shortlisted candidates will usually be given at least two interviews, one with the History tutor or tutors in the college, and one with the English tutor or tutors. In the English interview, the candidate may be asked to discuss a piece of prose or verse, provided before or at the interview. Successful candidates will read widely, will enjoy writing and talking about history, literature and language and will be interested in pursuing a comparative approach to historical and literary texts.

For further information on selection criteria please see: ox.ac.uk/criteria.
### Requirements and applying:

- [ox.ac.uk/ughe](http://ox.ac.uk/ughe)
- 2018 Open Days: 27 and 28 June and 14 September
- [ox.ac.uk/opendays](http://ox.ac.uk/opendays)

### Course details:

- [www.history.ox.ac.uk](http://www.history.ox.ac.uk)
- +44 (0) 1865 615020
- schools.liaison@history.ox.ac.uk
- [www.english.ox.ac.uk](http://www.english.ox.ac.uk)
- +44 (0) 1865 271055
- undergrad@ell.ox.ac.uk

**Which colleges offer this course?** See page 144

### From an H&G student

I cannot imagine studying two subjects that more perfectly complement and enhance one another. I love the constant opportunity to explore the cross-over between History and English, be it in the unique interdisciplinary module, or throughout my tutorial essays. The variety of papers is also beyond compare, allowing you to mix and match topics, or specialise completely in one period. My first year papers were as diverse as 20th-century literature and Early Modern European witch hunts – the degree is as extensive as you want to make it! **HOLLY**

### H&G Careers

Studying this degree provides you with the opportunity to acquire a range of skills valued by recruiters, including the ability to work independently, to evaluate the significance of evidence and to present arguments clearly and persuasively. Graduates from this course have worked in the media, legal professions, public administration, teaching and finance.

### More about

#### 1st year

**Courses**

- Four courses are taken:
  - Introduction to English Language and Literature
  - One period paper from single honours English Language and Literature
  - One British history paper from single honours History
  - One of: Approaches to history; Historiography; optional subject (from single honours History)

**Assessment**

- Three timed written exams form the First University Examination, together with a submitted portfolio of two exam essays of 2,000 words for Introduction to English Language and Literature. All exams must be passed, but marks do not count towards the final degree.

#### 2nd and 3rd years

**Courses**

- Seven courses are taken:
  - One interdisciplinary bridge essay (6,000 words)
  - Two papers from single honours English Language and Literature (see page 70)
  - One British period paper from single honours History (see page 80)
  - Either:
    - One History special subject (counts as two papers)
    - Or two from:
      1. European/World history paper from single honours History
      2. Further subject from single honours History
      3. One of papers 1–6 from single honours English Language and Literature
  - Interdisciplinary dissertation (10,000 words)

**Assessment**

- Final University examinations: between two and four timed written exams will be examined at the end of the third year; plus a combination of one portfolio of submitted essays; one or two extended essays; one bridge essay; one interdisciplinary dissertation.

### FOR THE LATEST INFORMATION ON ALL COURSE DETAILS AND OPTIONS SEE THE COURSE WEBSITES (DETAILS ABOVE).
History and Modern Languages BA 4 years with a year abroad

History and either Czech (with Slovak), French, German, Modern Greek, Italian, Portuguese, Russian or Spanish

In recent years history has experienced a ‘linguistic turn’ while literary studies have undergone a ‘historical turn’, making this combination of subjects stronger than ever. Knowledge of the past contextualises literary artefacts, while the forensic literary skills of the linguist are vital for interrogating historical documents. Historians have to be aware of genre, plot and rhetorical techniques in the creation both of their sources and their own arguments, while linguists need to appreciate the social and political concerns that are woven into literary works. This degree brings these two skill sets together.

Oxford has a long and enduring commitment to the teaching of European history and European languages, leading to a particularly rich environment in terms of staff expertise, library resources, language training and overseas contacts. The fullness and variety of the curriculum means that students can combine papers from the two faculties in stimulating ways. The two parts come together most directly in a bridge essay, where students can make their own innovative contributions.

International opportunities

History and Modern Languages is a four-year course with a compulsory year abroad in your third year. Please see Modern Languages (page 112) for further information. Students are encouraged to travel and speak their specialist language in the vacations, and travel grants and scholarships may be available to assist.

UCAS codes: see combinations

Course combinations
You can either study History with a Modern Language you already speak, or with a Modern Language you’d like to learn from scratch.

For the following course combinations you would usually be expected to have the Modern Language to A-level, or another academic equivalent.

History and:
- Czech VR17
- French VR11
- German VR12
- Modern Greek VQ17
- Italian VR13
- Portuguese VR15
- Russian VRC7
- Spanish VR14

The following course combinations allow you to begin studying a Modern Language from scratch.

History and:
- Beginners’ Czech VR1R
- Beginners’ Modern Greek VR1X
- Beginners’ Italian RV31
- Beginners’ Portuguese VR1N

3-year average (2015–17)
Interviewed: 79%
Successful: 23%
Intake: 23

Applicants for this course may instead be offered a place for History or for Modern Languages. Such offers are not included in these statistics.

How to apply
✓ Tests: HAT and MLAT. For test date and registration details please see ox.ac.uk/tests
✓ Written work: One to three pieces See ox.ac.uk/writwork

Fees, living costs and funding
See page 186 and ox.ac.uk/funding

The year abroad has lower fees and may have extra funding: see ox.ac.uk/erasmus
A typical weekly timetable
Your week’s work will include:
• tutorials in history and in the literature and culture of the language you study
• a number of lectures/classes for each subject (including language classes involving different skills, eg translation, oral and grammar)
• independent study preparing essays for your weekly tutorials.

What are tutors looking for?
During the interview, your submitted work may be a starting point for discussion. Some colleges may also ask you to read and discuss a short text in English and/or the modern language. Tutors wish to test your capacity for independent thought, your flexibility, your skills in conceptualising and relating ideas, the precision of your thinking and your oral competence in the language.

For further information on selection criteria please see: ox.ac.uk/criteria.

HML CAREERS
Employers value language skills combined with the many transferable skills of a History and Modern Languages degree.

Recent graduates from this course are employed in international institutions such as the UN and the EU, by NGOs as well as by national governments. They work in the media, publishing, the law, banking, consultancy, teaching, research, commercial industry and many other sectors.

Matthew, now an investment manager, says: ‘I enjoyed the sheer variety and choice of a History and Modern Languages degree. I benefit hugely in my professional life from the skills I learned from historical argument and literary criticism, not to mention the ability to speak French. Every time I tell my clients how politics and financial markets might affect their investments, I draw on the analytical and presentational skills I acquired at Oxford.’

1ST YEAR
Courses
Six courses are taken:
History
• European/World history (four options: 370–900, 1000–1300; 1400–1650; 1815–1914)
• Either a British history period, or a historical methods paper, or a foreign text or an optional subject

Modern Language
• Practical language work (two papers)
• Two literature papers

Assessment
First University examinations:
Six timed written exams

2ND AND 4TH YEARS (3RD YEAR SPENT ABROAD)
Courses
• A period of European/World history
• Either a special subject in History (two papers, see History (page 80)), with one additional history or literature option; or three papers selected from history (British history, further subject, thesis) or literature (special subjects, prescribed authors, extended essay)
• An optional additional thesis in History
• Practical language work (two papers)
• A period of literature
• A paper on one of a wide range of options
• A bridge essay

Assessment
Final University examinations:
Between six and nine timed written exams, between one and four submitted essays, including the compulsory bridge essay; oral examination in the modern language

For the latest information on all course details and options see the course websites (details above).
The History and Politics course aims to bring together complementary but separate disciplines to form a coherent and stimulating programme. The degree not only enables students to set contemporary political problems in their historical perspective, but also equips them to approach the study of the past with the conceptual rigour derived from political science.

The special feature of the Oxford course is the chance to choose subjects very broadly across the two disciplines, so that it is possible to combine medieval historical options with the analysis of contemporary political systems. The expertise of a number of Oxford’s political theorists and historians in the history of political thought, the thematic approach taken to the teaching of general history in the first year, and the emphasis placed on interdisciplinarity in a number of both politics and history papers strengthen the intellectual rigour of this course.

A typical weekly timetable
You will be expected to attend about five lectures a week during the first year, participate in regular meetings with tutors to discuss work, research in libraries, and write at least one essay a week. You will be required to submit a thesis which will enable you to do a piece of independent research during your second and third years.

What are tutors looking for?
If your application is shortlisted, submitted work and your UCAS personal statement are likely to form starting points for discussion in your interview. Some colleges may require you to read a short piece of prose or other material, which they will ask you to discuss as part of the interview process. The tutors are not so much interested in the level of your knowledge as in your ability to think analytically.

For further information on selection criteria please see: ox.ac.uk/criteria.

FROM AN H&P STUDENT
I specialised more in Politics than in History. The ‘Introduction to the practice of Politics’ paper at Prelims (first University exams) provided me with an excellent foundation for studying specific countries at Finals level. I was able to use the knowledge I obtained here, and apply it within several political contexts – from Japan to South Africa! I especially loved writing my thesis, where I was able to analyse the political challenges of the past with reference to the leading political models of the present. STEFAN
While some History and Politics graduates go on to further study and research to become professional historians, others move into different areas. Recent graduates have started their careers in accountancy, advertising, archive work, finance, the Civil Service, consultancy, international charity work, the media, the law, librarianship, management consultancy, museums, politics, publishing, research, social work, teaching and the theatre. Graduates include a PhD researcher in political science, a senior account executive in public relations and a civil servant.

1ST YEAR

Courses

Four examination papers and a short piece of assessed coursework:
- Either any one of the seven periods in the history of the British Isles or any one of the four periods of European/World history
- Introduction to the theory of politics or Theories of the state
- One optional subject: choice of Quantification in history Approaches to history Historiography: Tacitus to Weber or any of the optional subjects (see History (page 80) except Theories of the state) or any one of six foreign texts
- The practice of politics
- Quantitative methods: political analysis (not examined)

For the latest information on all course details and options see the course websites (details above).

Assessment

First University examinations:
Four timed written exams

2ND AND 3RD YEARS

Courses

The course has seven components:
- A period of the history of the British Isles
- A period of European/World history
- Any two of the five core subjects in Politics: Comparative government British politics and government since 1900 Theory of politics International relations Political sociology
- One of the following combinations:
  1. A special subject in History (two papers) and an optional subject in Politics (either a core paper not yet taken or a further subject)
  2. A further subject in History and two optional subjects in Politics
  3. A further subject in History, one optional subject in Politics and one special subject in Politics
- A thesis in either History or Politics

Assessment

Final University examinations:
Five timed written exams; one portfolio of submitted essays; one thesis in History or Politics or four timed written exams; one portfolio of submitted essays; one extended essay; one thesis in History or Politics

Requirements and applying:
ox.ac.uk/ughp
2018 Open Days:
27 and 28 June and 14 September
ox.ac.uk/opendays

Course details:
www.history.ox.ac.uk
+44 (0) 1865 615020
schools.liaison@history.ox.ac.uk

www.politics.ox.ac.uk
+44 (0) 1865 278706
ug.studies@politics.ox.ac.uk

Which colleges offer this course? See page 144

Top-rated History Department in the UK
for largest volume of world-leading research in the most recent (2014) Research Excellence Framework.
History of Art aims to arrive at an historical understanding of the origins, meaning and purpose of art and artefacts from a wide range of world cultures, asking about the circumstances of their making, their makers, the media used, the functions of the images and objects, their critical reception and – not least – their subsequent history. As well as educating students in the historical interpretation of art in its cultural contexts, a degree in History of Art provides skills in the critical analysis of objects through the cultivation of visual literacy. The acquired skills have broad applicability in a wide range of professional settings, as well as serving the needs of enduring personal enlightenment.

The University collections, including the world-famous Ashmolean Museum, provide subjects for first-hand study under the supervision of those entrusted with their care. The historic architecture of the city and its environs supplies a rich source of study in its own right. The Oxford degree is designed to provide innovative insights into a wide range of world art, drawing its expertise from various University faculties and the staff of University collections, as well as from the department itself. There is a strong emphasis upon how the primary visual and written sources from various periods and places can be analysed in different ways. Students are encouraged to enquire about the nature of reactions to what we call ‘art’.

A typical weekly timetable
Each week you will have around two lectures, classes, and museum visits as well as a weekly tutorial. Outside the classroom most of your time will be spent preparing essays for your tutorials and working on longer research papers.

What are tutors looking for?
Candidates should show evidence of lively engagement with visual culture, both contemporary and historical. Prior knowledge of the History of Art is absolutely not a requirement: many successful applicants have never studied the subject before university. What is looked for in applicants is a keen and critical observation of art and of the material environment in general. At interview, candidates are invited to demonstrate willingness to engage in focused discussion and debate about visual issues, and in addition to respond to one or more photographs of unfamiliar images, which applicants will not be expected to recognise.

HOA careers
The cultural industries are one of the biggest employers in the world. In addition to museums and galleries, there are many governmental and non-governmental agencies that work to conserve, research and promote cultural heritage and to further the production of art. Furthermore, History of Art graduates will be especially competitive for posts in any area that requires combinations of visual and verbal skills, such as publishing, advertising, marketing and web-based media, as well as entering the wide range of professions available to all humanities graduates.
1ST YEAR

Courses
Four elements are taken:
• Core course: Introduction to the History of Art
• Core course: European Art 1400–1900: Meaning and interpretation
• Core course: Antiquity after Antiquity
• Supervised extended essay on a building, object or image in Oxford.

Students also have the opportunity to undertake a French or Italian for Art Historians course through the University’s Language Centre (see page 5). No previous experience or qualifications are required for these courses and they do not form part of the assessment.

2ND AND 3RD YEARS

Courses
Seven elements are taken: a full list of current options is at www.hoa.ox.ac.uk

Core Course: Approaches to the History of Art

Further subject in Art History – regularly taught options include:
• Anglo-Saxon archaeology
• The Carolingian Renaissance
• Culture and society in Early Renaissance Italy
• Northern European portraiture 1400–1800
• Flanders and Italy in the Quattrocento
• Court culture and art in Early Modern Europe
• Intellect and culture in Victorian Britain

Two 2nd-year options – regularly taught options include:
• Egyptian art and architecture
• Greek art and archaeology
• Byzantine art: The transition from Antiquity to the Middle Ages
• Art under the Roman Empire
• Hellenistic art and archaeology
• Encountering South Asian sculpture
• Gothic art through medieval eyes
• Art in China since 1911
• Understanding museums and collections
• Literature and the visual arts in France
• German Expressionism in literature and visual arts
• European cinema
• Modernism and after
• The experience of modernity: visual culture, 1880–1925
• American Art, 1560s–1960s

Special subject and extended essay in Art History – regularly taught options include:
• Art and culture in Renaissance Florence and Venice
• The Dutch Golden Age: 1618–72
• Painting and culture in Ming China
• English architecture
• Art and its public in France, 1815–67
• The social life of photographs
• The South Seas in European and American art and literature

Undergraduate thesis
Students also have the opportunity to undertake a collections placement in one of the University museums, libraries or colleges in their second year.

Assessment
First University examinations: Three written papers and one extended essay

Assessment
Final University examinations: Four or five written papers, one or two extended essay(s) and one thesis
Human Sciences is a diverse discipline which enables students to study the biological, social and cultural aspects of human life, and provides a challenging alternative to some of the more traditional courses offered at Oxford. The school was founded in 1969 in recognition of the need for interdisciplinary understanding of fundamental issues and problems confronting contemporary societies. Central topics include the evolution of humans and their behaviour, molecular and population genetics, population growth and ageing, ethnic and cultural diversity and the human interaction with the environment, including conservation, disease and nutrition. The study of both biological and social disciplines, integrated within a framework of human diversity and sustainability, should enable the human scientist to develop professional competencies suited to address such multidimensional human problems.

A typical weekly timetable
During years 1 and 2 your work is divided between lectures (about ten a week) and tutorials (one or two a week with more in the first year). In addition, some practical experience in genetics, physiology, demography or statistics is offered in certain terms. Computers are used in the teaching of quantitative methods. In the third year the tutorial and class requirement is reduced to allow more time for option papers and students’ research for their dissertations.

What are tutors looking for?
The attributes tutors are looking for in applicants include:
- keenness
- an ability to see things in context and make connections
- readiness to modify ideas in the light of evidence
- the capacity to form and express a personal point of view

For further information on selection criteria please see: ox.ac.uk/criteria.

HUMSCI CAREERS
Recent graduates have found opportunities in fields including the Civil Service, government, health services, social policy, teaching, the media, the law, industry, commerce, computing, management consultancy and accountancy.

Alison currently works as the Principal Scientist in HIV epidemiology within Public Health England. She says: ‘My undergraduate degree in Human Sciences was excellent preparation for
my career. The field of HIV is multifaceted which means we not only measure the prevalence and incidence of HIV but also seek to understand the complexities of sexual behaviour and the political and social context of HIV. Human Sciences gave me a solid grounding in statistical methods, biological and social sciences. Specifically, the cross-disciplinary ethos of the course taught me the importance of collaboration with academics and advocates with a wide range of expertise and the need to interpret data within a social, human context."

Graduate Vanessa produced the series *Frozen Planet*. She has worked as a producer/director on a variety of wildlife series including *Wildlife on One*, *The Natural World*, *Life of Mammals* and *Planet Earth*. She also co-wrote the book accompanying *Frozen Planet* and has contributed to a number of academic books including *The Biology of Religion*, as well as magazines on various wildlife and conservation subjects. Several scientific papers have also been published on the basis of exceptional behavioural footage taken on films she has produced.

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### CUTTING EDGE

**HUMAN SCIENCES**

From the nature of evil to apes with a GSOH, find out what Oxford’s Human Scientists are up to by following us on Twitter @Oxford_HumSci.

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### More About

**Requirements and applying:**

- [ox.ac.uk/ughumsci](http://ox.ac.uk/ughumsci)

**2018 Open Days:**

- 27 and 28 June and 14 September

- [ox.ac.uk/opendays](http://ox.ac.uk/opendays)

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### 1ST YEAR

**Courses**

- Five compulsory courses are taken:
  - The biology of organisms including humans
  - Genetics and evolution
  - Society, culture and environment
  - Sociology and demography
  - Quantitative methods for the human sciences

**Assessment**

- First University examinations:
  - Five written papers; satisfactory practical record

### 2ND YEAR

**Courses**

- Five courses are taken:
  - Behaviour and its evolution, animal and human
  - Human genetics and evolution
  - Human ecology
  - Demography and population
  - Either Anthropological analysis and interpretation or Sociological theory

**Assessment**

- The Human ecology course is assessed by an extended essay written in the final term of the second year and a presentation given in the first term of the third year.

### 3RD YEAR

**Courses**

- Dissertation to be completed by the beginning of the final term
- Option courses (two chosen) from a list which may vary slightly depending on teaching availability:
  - Anthropology of a selected region (for example Africa, Japan, Lowland South America, South Asia); Biological conservation; Evolution and medicine; Gender theories and realities; Cross-cultural perspectives; General linguistics; Health and disease; Language and social anthropology; Medical anthropology; Physical and forensic anthropology: An introduction to human skeletal remains; Quantitative methods; Social policy; South and southern Africa; plus a range of psychology options

The options listed above are illustrative and may change. More information about current options is available on the course website (details above).

**Assessment**

- Final University examinations:
  - Currently six written papers and a dissertation plus the extended essay and presentation (see under second year)

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**Course details:**

- [www.ih.s.ox.ac.uk](http://www.ih.s.ox.ac.uk)
- +44 (0) 1865 274702
- admissions@ih.s.ox.ac.uk
Applicants for Law with Law studies in Europe may instead be offered a place on the three-year Law programme. Studying law will not only give you the opportunity to qualify as a solicitor or barrister: it will also help you develop a diverse set of skills which you will be able to apply in many different situations. You will learn to assimilate and analyse complex information, construct arguments, write with precision and clarity, and think on your feet. The Oxford Law degree aims to develop all these skills, but its particular strength is in teaching you to think for yourself. Students are expected to read a good deal, mostly from primary sources, and to develop views not simply about what the law is, but also about why it is so, whether it should be so, and how it might be different.

There are two Law courses at Oxford: Course I is a three-year course; Course II is a four-year course which follows the same syllabus, but with a third year abroad at a university in France, Germany, Italy, or Spain (studying French, German, Italian, or Spanish law), or the Netherlands (studying European and International law). Students on Course II (Law with Law Studies in Europe) gain additional skills through exposure to different legal systems and the different approaches to teaching practised by our European partner institutions. Students who have graduated in other subjects may undertake the accelerated ‘Senior Status’ version of Course I. For further information about the courses, please refer to www.law.ox.ac.uk/admissions/undergraduate.

A typical weekly timetable
You will be studying between one and two subjects at any one time (or up to three subjects in your third year) so in any given week you are likely to have one to two tutorials of an hour each (in a group of two to four students) and to write an essay for each tutorial. Lectures are, unusually, often regarded as an optional extra in Oxford, with the tutorial system being our core form of teaching. This means you can go to as many or as few lectures in a week as you like, depending on what you think will most help your studies. On average, most students will go to two to three hours of lectures (or seminars for third year options) each week. Most of your working time (we anticipate the workload is 45 hours per week) will be devoted to reading, thinking, and writing your essays in preparation for the tutorial.

What are tutors looking for?
For more on admissions, including a video of a demonstration interview, please see: www.law.ox.ac.uk/undergraduate.
LAW CAREERS

There is no assumption that our Law graduates pursue a legal career: around 75% of Oxford Law graduates go on to the legal profession. Although Oxford Law graduates gain a BA in Jurisprudence rather than an LLB, each of the Oxford Law courses counts as a qualifying law degree so Oxford Law graduates can immediately go on to the Legal Practice Course (for solicitors) or the Bar Professional Training Course (for barristers).

Many Oxford Law graduates go on to successful careers practising law outside England and Wales. The Oxford Law courses naturally focus on English law, but the fundamental principles of English common law play a key role in other jurisdictions. Graduates of the four-year course also gain important international knowledge during their year abroad. If you want to know the status of an English law degree in another jurisdiction, please contact the relevant local regulatory body.

Amal is a barrister at Doughty Street Chambers in London specialising in international law, human rights, extradition and criminal law. She was previously a lawyer for the United Nations in the Middle East and at various international courts in The Hague. She says: ‘Studying Law at Oxford taught me to identify what is important, challenge accepted wisdom and not be intimidated. These skills helped me follow an unusual career path that I have found fascinating and meaningful.’

1ST YEAR (TERMS 1 AND 2)

- Criminal law
- Constitutional law
- A Roman introduction to private law
- Research skills and mooting programme
For those on Course II, there are also French/German/Italian/Spanish law and language classes during the first six terms, or, for those going to the Netherlands, introductory Dutch language courses in the second year.

Assessment
First University examinations: Three written papers: one each in Criminal law, Constitutional law and a Roman introduction to private law

1ST YEAR (TERM 3), 2ND AND 3RD (4TH) YEARS

- Tort law
- Contract law
- Trusts
- Land law
- Administrative law
- European Union law
- Jurisprudence
- Two optional subjects, chosen from a very wide range of options
- Course II: year 3 is spent abroad

A full list of current options is available on the course website (details above).

Assessment
Final University examinations:
- Tort law, Contract law, Trusts, Land law, Administrative law, European law: one written paper each at the end of the final year
- Jurisprudence: one shorter written paper at the end of the final year, plus an essay written in the summer vacation at the end of the second year
- Two optional subjects: normally written papers but methods of assessment may vary
Course II students will also be assessed during their year abroad by the university they attend.

Requirements and applying:
ox.ac.uk/uglaw

2018 Open Days:
27 and 28 June and 14 September
ox.ac.uk/opendays

Law Open Days:
12, 13 and 14 March 2018 – booking required
www.law.ox.ac.uk

Course details:
www.law.ox.ac.uk/undergraduate
+44 (0) 1865 271491
lawfac@law.ox.ac.uk

More about
Which colleges offer this course? See page 144

Please see
ox.ac.uk/erasmus
for up-to-date details of Erasmus opportunities for this course.

100
Materials Science is an interdisciplinary subject, spanning the physics and chemistry of matter, engineering applications and industrial manufacturing processes.

Modern society is heavily dependent on advanced materials: lightweight composites for faster vehicles, optical fibres for telecommunications and silicon microchips for the information revolution. Materials scientists study the relationships between the structure and properties of a material and how it is made. They also develop new materials and devise processes for manufacturing them. Materials Science is vital for developments in nanotechnology, quantum computing and nuclear fusion, as well as medical technologies such as bone replacement materials.

This diverse programme spans the subject from its foundations in physics and chemistry to the mechanical, electrical, magnetic and optical properties of materials, and the design, manufacture and applications of metals, alloys, ceramics, polymers, composites and biomaterials. This work is supported by excellent laboratory and teaching facilities.

In a course taught partly by the Saïd Business School, the programme also offers an opportunity to develop an introductory understanding of entrepreneurship (learning how to write a business plan, raise capital and start a company). There are also voluntary options to learn a language (see page 5).

During years 1 and 2, the work is divided between lectures (about ten a week), tutorials/classes (about two a week) and practicals (two or three afternoons a week). Typically the work in preparation for each tutorial or class is expected to take six to eight hours. Year 3 starts with a two-week team design project, and about eight lectures and two classes/tutorials a week for the first two terms.

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Most of term 3 is set aside for revision. Year 4 consists of a supervised research project spanning three extended terms.

**What are tutors looking for?**
At interview, tutors are aware that students may not have encountered Materials Science at school or college. Tutors look for an ability to apply logical reasoning to problems in physical science, and an enthusiasm for thinking about new concepts in science and engineering.

For further information on selection criteria please see: ox.ac.uk/criteria.

**MATSICI CAREERS**
Many of our graduates apply their technical knowledge in the manufacturing industry, both in management and in research and development positions. Others enter the financial, consultancy and IT sectors.

**Requirements and applying:**
ox.ac.uk/ugmatsci

**2018 Open Days:**
27 and 28 June and 14 September
ox.ac.uk/opendays

Materials Science Open Days
13, 14 March and 17 April 2018
– booking required:
schools.liaison@materials.ox.ac.uk

**Course details:**
www.materials.ox.ac.uk/admissions/undergraduate
+44 (0) 1865 273682
schools.liaison@materials.ox.ac.uk

**Which colleges offer this course? See page 144**

<table>
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<tr>
<th>1ST YEAR</th>
<th>2ND YEAR</th>
<th>3RD YEAR</th>
<th>4TH YEAR</th>
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<tbody>
<tr>
<td><strong>Courses</strong></td>
<td><strong>Courses</strong></td>
<td><strong>Courses</strong></td>
<td><strong>Research</strong></td>
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<tr>
<td>• Structure of materials</td>
<td>• Structure and transformation of materials</td>
<td>• Materials options courses 1</td>
<td>Research project (full-time)</td>
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<tr>
<td>• Properties of materials</td>
<td>• Electronic properties of materials</td>
<td>• Materials options courses 2</td>
<td>(Students are required to achieve 50% minimum in the Part I assessment in order to progress to Part II.)</td>
</tr>
<tr>
<td>• Transforming materials</td>
<td>• Mechanical properties</td>
<td>• Team design project</td>
<td>Additional elements include Project management, Presentation skills and an optional foreign language course</td>
</tr>
<tr>
<td>• Mathematics for materials science</td>
<td>• Engineering applications of materials</td>
<td>• Characterisation of materials or Materials modelling module</td>
<td>Examples of project titles are available on the course website (details above).</td>
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<tr>
<td>• Crystallography</td>
<td>• Foreign language (optional)</td>
<td>Examples of current options courses are available on the course website (details above).</td>
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<tr>
<td>• Practical work</td>
<td>• Supplementary subject (optional)</td>
<td>(At the start of Year 3 it is possible to transfer to a 3-year BA degree in Materials Science, graduating at the end of Year 3. See essential further information about this on the course website (details above). The BA is not accredited.)</td>
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<tr>
<td>• Foreign language (optional)</td>
<td>• Mathematics</td>
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<td>• Practical work</td>
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<td>• Industrial visits</td>
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<td>• Entrepreneurship module</td>
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<td>• Industrial talks</td>
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<td>• Communication skills</td>
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<td><strong>Assessment</strong></td>
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<tr>
<td>First University examinations: Four written papers; continual assessment components equivalent to a fifth paper</td>
<td>Final University examinations, Part I: Six written papers; continual assessment components equivalent to a further two papers</td>
<td>Final University examinations, Part II (equivalent to 4 papers): Project dissertation submitted and assessed; oral examination of project dissertation</td>
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</table>

For important additional detail on course content, progression and assessment, please visit the course details webpages (see above).

The programme outline above is for illustrative purposes and details may change from time to time.

The 1st year is currently under review – see the course details webpages for the latest information.
Mathematicians have always been fascinated by numbers. One of the most famous problems is Fermat’s Last Theorem: if \( n \geq 3 \), the equation \( x^n + y^n = z^n \) has no solutions with \( x, y, z \) all nonzero integers. An older problem is to show that one cannot construct a line of length \( 3\sqrt{2} \) with ruler and compass, starting with a unit length.

Often the solution to a problem will require you to think outside its original framing. This is true here, and you will see the second problem solved in your course; the first is far too deep and was famously solved by Andrew Wiles.

In applied mathematics we use mathematics to explain phenomena that occur in the real world. You can learn how a leopard gets its spots, explore quantum theory and relativity, or study the mathematics of stock markets.

We will encourage you to ask questions and find solutions for yourself. You will need to think mathematically and we begin by teaching you careful definitions so that you can construct theorems and proofs. Above all, mathematics is a logical subject, so you will need to argue clearly and concisely as you solve problems. For some of you, this way of thinking or solving problems will be your goal. Others will want to see what further can be discovered. Either way, it is a subject we want you to enjoy.

The course

There are two Mathematics degrees, the three-year BA and the four-year MMath. Decisions regarding continuation to the fourth year do not have to be made until the third year.

The first year consists of core courses in pure and applied mathematics (including statistics). Options start in the second year, with the third and fourth years offering a large variety of courses, including options from outside mathematics.

A typical weekly timetable

- Years 1 and 2: around ten lectures a week, two–three tutorials or classes a week
- Additional practicals in computing (first year) and numerical analysis (if taken)
- Years 3 and 4: six–ten lectures a week, with two–four classes a week, depending on options taken
- Compulsory dissertation in 4th year

What are tutors looking for?

We will be looking for the potential to succeed on the course. A good mathematician is naturally inquisitive and will generally take advantage of any opportunity to further their mathematical knowledge. While AEA and STEP papers are not part of our entry requirements, we encourage applicants to take these or similar extension material, if they are available.

Ultimately, we are most interested in a candidate’s potential to think imaginatively, deeply and in a structured manner about the patterns of mathematics.

Maths careers

Quantitative skills are highly valued, and this degree prepares students for employment in a wide variety of occupations in the public and private sectors. Around 30% of our graduates...
go on to further study, but for those who go into work typical careers include finance, consultancy and IT.

Nathan, an engineer, says: ‘During my degree I developed my ability to solve complex problems – a fundamental skill set to tackle challenges I encounter on a day-to-day basis as an engineer. The application of mathematics in engineering and manufacturing is ever increasing, meaning there will be more and more opportunities to find interesting roles in which I can apply my skills.’

### Requirements and applying:

**ox.ac.uk/ugmaths**

2018 Open Days:
27 and 28 June and 14 September

**ox.ac.uk/opendays**

Mathematics Open Days:
21 and 28 April 2018 – booking required

**www.maths.ox.ac.uk/open-days**

### Courses

**1ST YEAR**

**Compulsory 1st year includes:**
- Algebra
- Analysis
- Probability and statistics
- Geometry and dynamics
- Multivariate calculus and mathematical models

**2ND YEAR**

**Compulsory core of Algebra, Complex analysis, Metric spaces, Differential equations**

Selection from topics including: Algebra; Number theory; Analysis; Applied analysis; Geometry; Topology; Fluid dynamics; Probability; Statistics; Numerical analysis; Graph theory; Special relativity; Quantum theory

**3RD AND 4TH YEARS**

**Courses**

Large variety, ranging across: Algebra; Applied and numerical analysis; Algebraic and differential geometry; Algebraic and analytic topology; Logic and set theory; Number theory; Applied probability; Statistics; Theoretical and statistical mechanics; Mathematical physics; Mathematical biology; Mathematical geoscience; Networks; Combinatorics; Information theory; Actuarial mathematics; Undergraduate ambassadors scheme; Dissertation; Mathematical philosophy; Computer Science options; History of mathematics

*The options listed above are illustrative and may change. A full list of current options is available on the course website (details above).*

### Assessment

**1ST YEAR**

First University examinations:
Five compulsory papers
Computational mathematics projects

**2ND YEAR**

Final University examinations, Part A:
Three core papers and six or seven optional papers

**3RD AND 4TH YEARS**

3rd year: Final University Examinations, Part B: Eight papers or equivalent
4th year: Final University Examinations, Part C: Eight papers or equivalent
Classification on Parts A and B: Currently an upper second over Parts A and B combined, as well as an upper second in Part B alone, is required to progress to Part C

### MMathPhys 4th year

The Physics and Mathematics Departments jointly offer an integrated master’s level course in Mathematical and Theoretical Physics. Mathematics students are able to apply for transfer to a fourth year studying entirely mathematical and theoretical physics, completing their degree with an MMathPhys. The course offers research-level training in: Particle physics, Condensed matter physics, Astrophysics, Plasma physics and Continuous media. For full details see **mmathphys.physics.ox.ac.uk**
This joint degree offers the opportunity to combine an appreciation of mathematical reasoning with an understanding of computing. Mathematics is a fundamental intellectual tool in computing, but computing is increasingly used as a key component in mathematical problem-solving.

The course concentrates on areas where mathematics and computing are most relevant to each other, emphasising the bridges between theory and practice. It offers opportunities for potential computer scientists both to develop a deeper understanding of the mathematical foundations of their subject, and to acquire a familiarity with the mathematics of application areas where computers can solve otherwise intractable problems. It also gives mathematicians access to both a practical understanding of the use of computers and a deeper understanding of the limits on the use of computers in their own subject.

The first year and part of the second year of the course are spent acquiring a firm grounding in the core topics from both subjects; students are then free to choose options from a wide range of Mathematics and Computer Science subjects. In the second year students take part in a group design practical, many of which are sponsored by industry.

**Course structure**
Mathematics and Computer Science can be studied for three years, leading to the award of a BA degree, or for four years, leading to the award of Master of Mathematics and Computer Science. The fourth year of the Mathematics and Computer Science degree provides the opportunity to study advanced topics and undertake a more in-depth research project. Students do not need to choose between the three-year or four-year option when applying; all students apply for a four-year course, and then decide at the start of the third year whether they wish to continue to the fourth year (which is subject to achieving a 2:1 at the end of the third year).

**A typical weekly timetable**
The typical week for a student in Mathematics and Computer Science is similar to that for Computer Science (see page 60) or Mathematics (see page 100).

**What are tutors looking for?**
The most important qualities we are looking for are strong mathematical ability, the ability to think and work independently, the capacity to absorb and use new ideas, and a great deal of enthusiasm. We use this set of criteria and the result of the Mathematics Admissions Test to decide whom to shortlist for interview.

At the interview we will explore how you tackle unfamiliar problems and new ideas. We are more interested in how you approach problem-solving than whether you can get straight to a solution.

We do not require any previous formal qualification in computing, but we do expect you to demonstrate a real interest in the subject.
MCS CAREERS

This course gives training in logical thought and expression, and is a good preparation for many careers. About 20% of Mathematics and Computer Science graduates tend to go on to further study. Recent graduates secured positions as software and hardware professionals in research, finance and investment analysis, and include a product controller for an international bank, an actuarial consultant and an accountant.

Requirements and applying:
ox.ac.uk/ugmcs

2018 Open Days:
27 and 28 June
and 14 September
ox.ac.uk/opendays

Computer Science Open Day:
12 May 2018
– booking required
www.cs.ox.ac.uk/opendays

1ST YEAR | 2ND YEAR | 3RD YEAR | 4TH YEAR
---|---|---|---
**Courses**
Core Mathematics (50%)
- Analysis
- Continuous maths
- Groups and group actions
- Introduction to complex numbers
- Introduction to university maths
- Linear algebra
- Probability
Core Computer Science (50%)
- Design and analysis of algorithms
- Functional programming
- Imperative programming

Computer Science (25%)
- Algorithms
- Models of computation
Core Mathematics (30%)
- Linear algebra
- Complex analysis
- Metric spaces
Options in Mathematics (20%)
Options in Computer Science (25%)

Mathematics Options including:
- Number theory
- Communication theory
Computer Science Options including:
- Computer security
- Machine learning
- Computational complexity
- Lambda calculus and types

The courses listed above are illustrative and may change. A full list of current options is available on the course websites (details above).

**Assessment**
Five exam papers
Six exam papers (two Computer Science and four Mathematics)
Up to ten exam papers
Written or take-home exams plus a dissertation or project report

Currently upper second required to continue to the fourth year

Course details:
www.maths.ox.ac.uk
+44 (0) 1865 615205
undergraduate.admissions@maths.ox.ac.uk
www.cs.ox.ac.uk/ugadmissions
+44 (0) 1865 273821 / 273863
undergraduate.admissions@cs.ox.ac.uk

Which colleges offer this course? See page 144

MORE ABOUT

Mathematical Sciences ranked best overall in the UK in the most recent (2014) Research Excellence Framework.
This course brings together two of the most fundamental and widely applicable intellectual skills. Mathematical knowledge and the ability to use it is the most important means of tackling quantifiable problems, while philosophical training enhances the ability to analyse issues, question received assumptions and clearly articulate understanding. The combination provides a powerful background from which to proceed to graduate study in either Mathematics or Philosophy or to pursue diverse careers.

Historically, there have been strong links between Mathematics and Philosophy; logic, an important branch of both subjects, provides a natural bridge between the two, as does the philosophy of mathematics.

The degree is constructed in the belief that the parallel study of these related disciplines can significantly enhance your understanding of each.

The course

There are two Mathematics and Philosophy degrees, the three-year BA and the four-year MMathPhil. Decisions regarding continuation to the fourth year do not have to be made until the third year.

The mathematics units in this joint course are all from the single-subject Mathematics course. Accordingly the standard in mathematics for admission to the joint course is the same as for admission to the single-subject Mathematics course.

The compulsory core mathematics for the joint course consists mainly of the pure (as opposed to applied) mathematics from the compulsory core for the single-subject Mathematics course. The philosophy units for the Mathematics and Philosophy course are mostly shared with the other joint courses with Philosophy.

In the first year all parts of the course are compulsory. In the second and third years some subjects are compulsory, consisting of core mathematics and philosophy and bridge papers on philosophy of mathematics and on foundations (logic and set theory), but you also choose options. In the fourth year there are no compulsory subjects, and you can do all Mathematics, all Philosophy, or a combination of the two.

A typical weekly timetable

- Years 1 and 2: up to ten lectures a week, two–three tutorials a week
• Years 3 and 4: up to eight lectures a week. Equivalent of eight units taken each year. Weekly tutorials per Philosophy subject. Fortnightly classes per Mathematics unit.

**What are tutors looking for?**
During the interview for Philosophy you will be given the opportunity to show a critical and analytical approach to abstract questions and the ability to defend a viewpoint by reasoned argument. In Mathematics you may find yourself asked to look at problems of a type that you have never seen before. Don’t worry, we will help you! We want to see if you can respond to suggestions as to how to tackle new things, rather than find out simply what you have been taught.

**M&P CAREERS**
Graduates secure positions in diverse areas such as software development, teaching, research, the public sector, including the Civil and Diplomatic Services, and journalism, both in the UK and abroad. Around 30% of graduates go on to further academic study.

Katherine currently works for the Bodleian Libraries. She found that the logical problem-solving skills and attention to detail she gained from studying mathematics came in useful when tackling new technical challenges in her work and whilst she completed a second master’s. The experience of studying both subjects so intensely, and having to pick up and apply new knowledge quickly, gave her the confidence to work with new subject areas, including legal and medical research libraries.

### Courses

<table>
<thead>
<tr>
<th>1st Year</th>
<th>2nd and 3rd Years</th>
<th>4th Year</th>
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</thead>
<tbody>
<tr>
<td><strong>Mathematics</strong></td>
<td><strong>Mathematics</strong></td>
<td><strong>Mathematics</strong></td>
</tr>
<tr>
<td>• Algebra</td>
<td>• Core pure mathematics (Algebra, Metric spaces, Complex analysis)</td>
<td>Advanced options including:</td>
</tr>
<tr>
<td>• Analysis</td>
<td>• Foundations (Set theory, Logic)</td>
<td>• Axiomatic set theory</td>
</tr>
<tr>
<td>• Calculus and probability</td>
<td>• Intermediate mathematics options</td>
<td>• Elliptic curves</td>
</tr>
<tr>
<td><strong>Philosophy</strong></td>
<td><strong>Philosophy</strong></td>
<td>• Gödel’s incompleteness theorems</td>
</tr>
<tr>
<td>• Elements of deductive logic</td>
<td>• Knowledge and reality or Early modern philosophy</td>
<td>• Infinite groups</td>
</tr>
<tr>
<td>• General philosophy</td>
<td>• Philosophy of mathematics</td>
<td>• Model theory</td>
</tr>
<tr>
<td>• Frege, Foundations of Arithmetic</td>
<td>• Further philosophy papers</td>
<td>• Stochastic differential equations</td>
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<tr>
<td></td>
<td></td>
<td>• Optional mathematics dissertation</td>
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<tr>
<td></td>
<td></td>
<td><strong>Philosophy</strong></td>
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<td></td>
<td></td>
<td>Advanced options in Philosophy</td>
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<td></td>
<td></td>
<td>Optional Philosophy thesis</td>
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</tbody>
</table>

The options listed above are illustrative and may change. A full list of current options is available on the course website (details above).

<table>
<thead>
<tr>
<th>Assessment</th>
<th>Assessment</th>
<th>Assessment</th>
</tr>
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<tbody>
<tr>
<td>First University examinations: Five compulsory written papers</td>
<td>Final University examinations, Part A (2nd year): Two written papers on pure mathematics core and two written papers on mathematics options</td>
<td>Final University Examinations, Part C: Philosophy subjects include a 5000-word essay. Students study three Philosophy subjects or eight Mathematics units, or a mixture of the two disciplines. Upper second currently required to progress to Part C</td>
</tr>
<tr>
<td></td>
<td>Final University examinations, Part B (3rd year): Four 90-minute exams in Mathematics and three three-hour papers in Philosophy and either two further 90-minute Mathematics exams or one further three-hour Philosophy paper (or the equivalent)</td>
<td></td>
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</tbody>
</table>
MATHEMATICS AND STATISTICS BA 3 YEARS OR MMath 4 YEARS

UCAS code: GG13

Entrance requirements


Advanced Highers: AA/AAB

IB: 39 (including core points) with 766 at HL

Or any other equivalent

Candidates are expected to have Mathematics to A-level (A* grade), Advanced Higher (A grade), Higher Level in the IB (score 7) or another equivalent. Further Mathematics is highly recommended.

3-year average (2015–17)

Interviewed: 36%

Successful: 7%

Intake: 15

How to apply

✓ Tests: MAT. For test date and registration details please see ox.ac.uk/tests

✗ Written work: None required

Fees, living costs and funding

See page 186 and ox.ac.uk/funding

All over the world, human beings create an immense and ever-increasing volume of data, with new kinds of data regularly emerging from science and industry. A new understanding of the value of these data to society has emerged, and with it, a new and leading role for Statistics. In order to produce sensible theories and draw accurate conclusions from data, cutting-edge statistical methods are needed. These methods use advanced mathematical ideas combined with modern computational techniques, which require expert knowledge and experience to apply. A degree in Mathematics and Statistics equips you with the skills required for developing and implementing these methods, and provides a fascinating combination of deep and mathematically well-grounded method-building and wide-ranging applied work with data.

The Department of Statistics at Oxford is an exciting and dynamic place to study, with teaching and research strengths in a wide range of modern areas of statistical science. Many of its academic staff work in the development of fundamental statistical methodology and probability. There is a strong new research group working on statistical machine learning and scalable methods for Big Data. The department’s world-leading team, working on population genetics and evolution, applied new statistical methods to huge genetic data sets to unlock the secrets of human genetic variation and disease. Other groups work on applied probability, network analysis, and medical, actuarial and financial applications. These interests are reflected in the lecture courses available to undergraduates in their third and fourth years.

Course structure

The first year of this course is identical to Mathematics, and the core mathematics part of the degree is completed in the first term of the second year. Mathematics and Statistics students also follow second-year courses in probability and statistics, and the remainder of the second year allows for some choice of topics in preparation for the greater selectivity of the third and fourth years. In the first two years it is usually straightforward to move between the Mathematics course and the Mathematics and Statistics course, subject to the availability of space on the course and to the consent of your college.

There are two Mathematics and Statistics degrees, the three-year BA and the four-year MMath. Decisions regarding continuation to the fourth year do not have to be made until the third year. All third- and fourth-year mathematical topics available in the Mathematics course are also available to Mathematics and Statistics students. The fourth year is, naturally more challenging and it provides an opportunity for more in-depth study, including a substantial Statistics project.

A typical weekly timetable

The typical week of a student in Mathematics and Statistics is similar to that for Mathematics:

- Years 1 and 2: around ten lectures and two–three tutorials or classes a week
- Years 3 and 4: eight–twelve lectures and two–four classes a week, depending on options taken
- Courses involving statistical software packages have some lecture hours replaced by teaching sessions in labs.
What are tutors looking for?
In order to succeed in the Mathematics and Statistics degree, students need to have a strong aptitude for mathematics. The criteria applied at admissions are entirely comparable to those applied to the Mathematics degree, and we refer you to the Mathematics entry (page 100).

M&S CAREERS
In recent years, 96% of Mathematics and Statistics graduates were in work or further study six months after graduation. The majority have joined the insurance and financial services professions, but there are a wide range of options for graduates whose studies have included a substantial amount of statistics and applied probability. There is great demand for those wishing to work in the relatively new area of data science, while careers in fields as diverse as health, technology, education and industry are all possible.

1ST YEAR
Courses
Compulsory 1st year includes:
• Algebra
• Analysis
• Probability and statistics
• Geometry and dynamics
• Multivariate calculus and mathematical models

Assessment
First University examinations:
Five compulsory papers
Computational mathematics projects

2ND YEAR
Courses
Current core courses:
• Probability
• Statistics
• Algebra and differential equations
• Metric spaces and complex analysis
Current options:
• Statistical programming and simulation
• Selection from a menu of other options in Mathematics

Assessment
Final University examinations, Part A:
Five core papers and four or five optional papers

3RD YEAR
Courses
Current options include:
• Applied and computational statistics
• Statistical inference
• Statistical machine learning
• Applied probability
• Statistical lifetime models
• Actuarial science
• Wide range of other options in Mathematics

Assessment
Final University examinations, Part B:
The equivalent of eight written papers including assessed practicals

4TH YEAR (EXTENDED TERMS)
Research
• Statistics project
Current options include:
• Stochastic models in mathematical genetics
• Network analysis
• Advanced statistical machine learning
• Advanced simulation methods
• Graphical models
• Bayes methods
• Computational biology
• Probabilistic Combinatorics
• Wide range of other options in Mathematics

Assessment
Final University examinations, Part C: The equivalent of eight written papers
Currently upper second in Parts A and B combined, as well as an upper second in Part B alone, is required to progress to Part C

More about
Requirements and applying:
www.maths.ox.ac.uk
2018 Open Days:
27 and 28 June
and 14 September
www.ox.ac.uk/opendays
Mathematics Open Days:
21 and 28 April 2018
– booking required
www.maths.ox.ac.uk/open-days
Course details:
www.maths.ox.ac.uk
www.stats.ox.ac.uk
Which colleges offer this course?
See page 144

The options listed above are illustrative and may change. A full list of current options is available on the course websites (details above).
**UCAS code: A100**

**Entrance requirements**

**A-levels:** A**2**A in three A-levels (excluding Critical Thinking and General Studies) taken in the same academic year: Candidates are required to achieve at least a grade A in both Chemistry and at least one of Biology, Physics or Mathematics. We expect you to have taken and passed any practical component in your chosen science subjects.

**Advanced Highers:** AA
(taken in the same academic year and to include Chemistry, plus one from: Biology, Physics or Mathematics)

**plus Highers:** AAAAA
(also taken in the same academic year)

**IB:** 39 (including core points) with 766 at HL
Candidates are required to take Chemistry and a second science (Biology or Physics) and/or Mathematics to Higher Level.

Please note that we have no preference for whether the third or fourth A-level subject (or further subject in equivalent qualifications) is a science or not.

Other qualifications
Other national and international qualifications are also acceptable. Please see our website for further guidance: www.medsci.ox.ac.uk/ugmed.

Any candidate in doubt as to their academic eligibility for this course is strongly encouraged to seek advice by emailing admissions@medschool.ox.ac.uk.

**Level of attainment in Science and Mathematics**
There are no formal GCSE requirements for Medicine. However, in order to be adequately equipped for the BMAT (see www.bmat.org.uk) and for the academic demands of the course, and if Biology, Physics or Mathematics have not been taken to A-level (or equivalent), applicants will need to have received a basic education in those subjects (for example at least a grade C/4 at GCSE, Intermediate 2 or Standard grade (Credit) or equivalent; the GCSE Dual Award Combined Sciences is also appropriate).

**Graduates**
Students with degrees may apply for the standard course. There are no places specifically reserved for graduates, and there is no separate application process. Graduates are in open competition with school-leavers, and need to fulfil the same entrance requirements.

**3-year average (2015–17)**

Interviewed: 28%
Successful: 10%
Intake: 149

**How to apply**

✓ Tests: BMAT. For test date and registration details please see ox.ac.uk/tests

✗ Written work: None required

**Fees, living costs and funding**
See page 186 and ox.ac.uk/funding

**The accelerated course (graduate entry)**

Graduates in experimental science subjects may be eligible to apply for the four-year accelerated course (UCAS code A101 BMBC4). After a two-year transition phase covering basic science and clinical skills, the accelerated programme leads into the final two years of the standard course and to the same Oxford medical qualification as the standard (six-year) course. The four-year course is designed specifically for science graduates, and places a strong emphasis on the scientific basis of medical practice.

Applicants to the four-year accelerated course must follow the application procedure (described on page 184) (including the BMAT), and also complete an additional Oxford application form. See www.medsci.ox.ac.uk/study/medicine for further information and details of eligibility.

The practice of Medicine offers a breadth of experiences impossible to find in any other subject. Every day brings different patients with different needs. It’s a great choice for scientists who strive to understand and apply research findings to improve the lives of the patients in their care. It offers a meaningful career that is prestigious, secure and relatively well paid. However, practising Medicine can be arduous, stressful, frustrating and bureaucratic and it’s not suited to everyone. You need to be sure that Medicine is the right choice for you. These pages will help you work that out, but there’s no better way to find out for sure than by gaining insight of medical practice by seeing it in action and talking to those who provide healthcare. Studying Medicine because that is what is expected of you is never a good idea: make sure that your motives for choosing to do so are well reasoned.
The Medicine course at Oxford provides a well-rounded intellectual training with particular emphasis on the basic science research that underpins medicine. We have retained a distinct three-year pre-clinical stage that includes studying towards a BA Honours degree in Medical Sciences, followed by a three-year clinical stage.

The Medical School at Oxford is relatively small, allowing students and staff to get to know one another and benefit from a relaxed and friendly atmosphere.

The pre-clinical stage

Applicants are initially admitted to the pre-clinical stage of the course.

The first five terms of this course are devoted to the First BM. This addresses not only much of the science that underpins Medicine, but also the clinical problems that arise when systems fail. Students are introduced to the major systems of the body and study all aspects of their structure and function in health and also the principles of disease processes. Students are encouraged to develop an enquiring approach and to consider the experimental basis of the science in the course. Matters of clinical relevance are illustrated from the outset with students making regular visits to GP tutors.

The First BM is followed by a four-term BA Honours course (the Final Honour School) in Medical Sciences. Students specialise in an area of biomedical science selected from a range of options. They will become adept at working from primary research literature, and will be encouraged to think both critically and creatively. Students will gain in-depth knowledge of their chosen option, as well as advanced technical skills at the laboratory bench and in scientific data handling and presentation.

The Principles of Clinical Anatomy course, delivered at the end of the third year, is designed to teach students clinically relevant aspects of anatomy that will be of immediate use in their clinical years.

Teaching methods and study support

During the pre-clinical stage of the course, the college tutorial system is a central feature: students see their tutors and are taught weekly in groups often as small as two. This teaching can be tailored to individuals’ needs and interests. Most University lectures, seminars and practical classes take place in the Medical Sciences Teaching Centre in the Science Area. Lecturers are drawn from Oxford’s extensive pre-clinical and clinical departments, all of which have international reputations for excellence in research, and the courses are organised on an interdisciplinary basis so as to emphasise the interrelatedness of all aspects of the curriculum.

Research work

All students at Oxford undertake an experimental research project as part of their BA in Medical Sciences. This will be in a field of interest to the student, and will offer valuable first-hand experience of scientific research. Students have the opportunity to undertake research in a laboratory from a wide range of departments within the Medical Sciences Division.

A typical weekly timetable

During the First BM, lectures and practicals occupy about half of the time, and the remainder is free for tutorial work, self-directed study and extra-curricular activities. During the BA course, formal lecturing is kept to a minimum, and students are mostly free to pursue their research and to prepare for tutorials and seminars. Strong academic support ensures that students manage their time effectively.

**Best in the world for medicine**

Oxford Medical Sciences have been ranked number one for the last seven years in the Times Higher Education World University Rankings for clinical, pre-clinical and health sciences – the only non-North American institution to be top-ranked by THE in any subject discipline.

**No. 1 in national student survey**

Oxford’s Medical School has been the highest rated for student satisfaction for the past ten years.
Progress to clinical training
At the start of the third year students can apply to the Oxford Clinical School or one of the London Medical Schools to undertake their Clinical Training.

What are tutors looking for?
Please note that competition to study Medicine at Oxford is particularly strong and only around 425 applicants are shortlisted for interview each year. Applicants are shortlisted for interview on the basis of BMAT performance, GCSE performance (if applicable) and other information on their application. No student is admitted without interview. All shortlisted candidates, including those from overseas, will be expected to come to Oxford for interview in December.

Students are selected for their scientific ability and for their aptitude for Medicine. Applicants are expected to show that they have a realistic understanding of what a medical career will involve, and that they have the potential to become effective and caring doctors. All colleges use a common set of selection criteria that relate to academic potential and suitability for Medicine. For further information about selection criteria, please see: www.medsci.ox.ac.uk/pcmed/criteria.

Applicants are free to make reference to skills or experience acquired in any context to illustrate how they might fulfil the selection criteria; sometimes candidates refer to voluntary work and other extra-curricular activities, but many forms of evidence can help demonstrate to tutors that a candidate has made an informed decision regarding their own suitability to study Medicine.

Application conditions
Oxford conforms to the UK Department of Health’s requirements regarding immunisation status and the GMC’s conditions on Fitness to Practise, and a satisfactory Disclosure and Barring Service check. Students may be refused entry to, or be removed from, the University’s Register of Medical Students on grounds that may be either academic or non-academic (for instance health or conduct). Applicants should be aware that some practical studies involving living animal tissue are an obligatory component of the course. Note that students must have reached their 18th birthday on or before the first day of full term in the first year of the course.

MEDICINE CAREERS
A vast array of speciality training pathways is available after obtaining a medical qualification, ranging from General Practice or emergency medicine through obstetrics or ophthalmology to paediatrics or psychiatry.

Of course, you need not remain confined to the clinic, ward or the operating theatre: the lecture theatre or the laboratory could also beckon. Some of our graduates end up leading the education of the next generation of doctors or directing biomedical research. You don't need to know right now what you want to do when you qualify: the Medical School organises careers sessions for final-year clinical students and helps students learn about and apply for foundation house officer posts.

BM BCh graduates are entitled to provisional registration with the General Medical Council (GMC) with a licence to practise, subject to demonstrating to the GMC that their fitness to practise is not impaired.

Tzveta is currently training to be an oncologist. She says: "Many universities can teach you how to be a foundation doctor. Oxford taught me how to work through problems carefully and logically from first principles, and gave me the theoretical grounding to be able to do
so. I had the opportunity to read key papers in my subject, then discuss them with the academics who had published them. Most importantly, Oxford taught me that I was capable of much more than I imagined or believed. Though I have gone from essay crises to night shifts, from finals to Royal College exams, the focused determination it instilled within me remains, driving me through any challenges faced along the way.’

Kanmin graduated from pre-clinical medicine in 2003. He is now a National Institute of Health Research (NIHR) Academic Clinical Lecturer in ophthalmology at the University of Oxford, undergoing 50:50 surgical retina fellowship training and translational research into gene therapy for inherited retinal diseases. Kanmin says: ‘The weekly essays and tutorials with world-leading academics in the colleges were an invaluable experience.

In those intimate ‘mind sparring’ exercises, you go beyond the standard curriculum and probe the boundaries of the fundamental science behind modern medicine. In this way, Oxford nurtures not only sound medical practitioners but also future explorers and leaders in medicine... Of course, studying medicine at Oxford involves a lot of hard work. But the opportunities are also there to take part in the most vibrant student society/club life, whatever your hobby or background.’

**More About**

<table>
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<tr>
<th>Course Details</th>
<th>Requirements and applying: ox.ac.uk/ugmedicine</th>
<th>2018 Open Days: 27 and 28 June and 14 September ox.ac.uk/opendays</th>
</tr>
</thead>
</table>

**FIRST BM PART 1: TERMS 1–3**

**Courses**
- Organisation of the body
- Physiology and pharmacology
- Biochemistry and medical genetics
- Population health: Medical sociology
- Patient and doctor course

**Assessment**
- Three core computer-based assessments
- Four written papers
- Satisfactory practical record

**FIRST BM PART 2: TERMS 4–5**

**Courses**
- Applied physiology and pharmacology
- The nervous system
- Principles of pathology
- Psychology for medicine
- Patient and doctor course

**Assessment**
- Three core computer-based assessments
- Four written papers
- Satisfactory practical record

**FINAL HONOUR SCHOOL IN MEDICAL SCIENCES: TERMS 6–9**

**Courses**
- Option (currently one from: Neuroscience; Molecular medicine; Infection and immunity; Cardiovascular, renal and respiratory biology; Cellular physiology and pharmacology)
- Research project
- Extended essay
- Principles of clinical anatomy

*A full list of course options is available at: www.medsci.ox.ac.uk/pcmed/course*

**Assessment**
- Written papers
- Submission of extended essay and research project write-up
- Oral presentation of research project
- Qualifying exam in Principles of clinical anatomy: computer-based assessment
Studying Modern Languages provides both practical training in written and spoken language and also an extensive introduction to European literature and thought. As well as learning to write and speak the language(s) fluently, you can study a broad range of literature, or focus your studies on any period from the medieval to the present day. A wide range of other options allow you to explore subjects including linguistics, philology, film studies or (in French and German) advanced translation.

Modern Languages have been taught in Oxford since 1724. The faculty is one of the largest in the country, with a total intake of more than 250 students a year (including joint courses). Undergraduate students can use the Taylor Institution Library, the biggest research library in Britain devoted to modern languages.

Language is at the centre of the Oxford course, making up around 50% of both first-year and final examinations. The course aims to teach spoken fluency in colloquial and more formal situations, the ability to write essays in the foreign language, and the ability to translate into and out of the foreign language with accuracy and sensitivity to a range of vocabulary, styles and registers. You will also develop your reading skills to a high level. The University’s excellently equipped Language Centre (see page 5) has resources specifically tailored to the needs of Modern Language students.

The study of literature gives you an understanding of other cultures that
cannot be acquired solely through learning the language. It leads you into areas such as gender issues, popular culture, theatre studies, aesthetics, anthropology, art history, ethics, history, philosophy, politics, psychology and theology, developing your skills as a critical reader, writer and thinker.

Course structure
Your first year is closely structured. You will attend oral classes and courses on the grammatical structure of your language(s), translation into and out of the language(s) and, in some of the languages, comprehension. You will also attend introductory lecture courses and participate in seminars and/or tutorials on literature. If you study French, German, Spanish or Russian as a single language you will take a range of additional options in that language in the first year (see below). All other languages must be studied in combination with another language or another subject.

Your other years of study give you more freedom to choose the areas on which you wish to focus, from a very wide range of options. Students studying courses with Polish take this as a subsidiary language, beginning in the second year. Catalan, Galician, Provençal, Yiddish and most of the Slavonic languages may also be taken as additional options.

International opportunities
Modern Languages students spend a compulsory year abroad, usually in the third year. They may work as paid language assistants in a foreign school or do internships abroad, both of which provide valuable opportunities to develop career experience while improving language competence. The year may also be spent studying at a foreign university. (Students taking Beginners’ Russian spend the second year – as opposed to the third year – of their studies on a specially designed eight-month language course in the city of Yaroslavl.) Students are encouraged to spend as much as possible of their vacations in the countries whose languages they are studying. In addition to the possibility of Erasmus funding, extra financial support, including travel scholarships, may be available from your college and/or the faculty.

A typical weekly timetable
Your week’s work will include a tutorial in, or organised by, your college, language classes in the language(s) you study, and typically three to four hours of lectures for each subject.

Deferred entry
Students are welcome to apply for deferred entry for any language courses except those including Beginners’ Russian.

What are tutors looking for?
Tutors will be looking for a good command of the grammar of any language you have already studied at school and want to continue studying at Oxford, as well as an interest in literature and culture.

Tutors want to find out as much as possible about your intellectual interests and academic potential, so you may be asked about your reading, your interest in the culture of the relevant country, or the work you have submitted. You may be asked questions about a short passage in English or the relevant foreign language(s). You will be given the opportunity to speak in the relevant foreign language(s) which you have studied to an advanced level. As far as possible, interviewers will try to let you show your strengths, interest in the subject(s) you intend to study, and reasons for applying to Oxford.

For more information about the selection criteria please see: ox.ac.uk/criteria.
Modern Languages continued

Transferable skills ensure that modern linguists are amongst the most sought-after graduates in Britain. Employers value Modern Languages graduates because they are competent in one or two languages, have acquired a range of transferable skills and have first-hand experience of other cultures. Amongst the careers successfully followed by modern linguists are: journalism, management, the law, teaching and lecturing, arts and administration, civic and diplomatic service, environmental and development work, and many more.

Catherine is Director of the Refugee Support Network. She says: ‘Since graduating from Oxford, I have worked in the field of refugee education and education in emergencies for various charities, including Save the Children and various United Nations agencies. The skills I gained at Oxford have helped me to analyse situations thoughtfully and critically, and gave me the confidence to establish the Refugee Support Network in 2009. I never thought I would use my language skills in situations as diverse as Sudanese refugee camps, with Haitian earthquake survivors and with young victims of trafficking in London.’

### More About

Requirements and applying:
[ox.ac.uk/ugml](http://ox.ac.uk/ugml)

2018 Open Days:
27 and 28 June and 14 September
[ox.ac.uk/opendays](http://ox.ac.uk/opendays)

Modern Languages Open Day:
28 April 2018 – booking required
[www.mod-langs.ox.ac.uk/open-days](http://www.mod-langs.ox.ac.uk/open-days)

Course details:
[www.mod-langs.ox.ac.uk](http://www.mod-langs.ox.ac.uk)
+44 (0) 1865 270750
reception@mod-langs.ox.ac.uk

Which colleges offer this course? See page 144

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### 1st Year

**Courses**

- Two-language course
  - practical language work
  - study of important works and/or topics in the literature of each language
- One-language course: as above, plus
  - for French, German, Russian and Spanish, additional options: film studies, literary theory (French), medieval studies (German/Spanish), key texts in French or German thought; short fiction (Spanish), Polish and Church Slavonic (Russian)
- Other languages must be studied in combination with another language or joint school.

**Assessment**

First University examinations:
Seven or eight written papers, including translation and literature (language only for Beginners’ Russian).

---

### 2nd Year

**Courses**

- Two-language course
  - practical language work
  - a period of literature in each language
  - optional subjects, including linguistics; medieval literature; detailed study of individual authors
- One-language course
  - as above, but including a greater range of optional subjects

**Assessment**

Final University examinations:
Nine or ten written papers and an oral examination are taken, including unprepared translations, literature subjects, special subjects and linguistics. Some special subjects are examined by submitting a portfolio of essays.

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### 3rd and 4th Years

**Courses**

Year 3
Typically spent abroad
Beginners’ Russian. Students spend the second year in Russia, and the third year in Oxford

Year 4
Continues the course from year 2, plus special subjects across a wide range of options including film studies

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The options listed above are illustrative and may change. More information about current options is available on the course website (details above).

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The Taylor Institution Library

Part of the world-famous Bodleian Libraries, the Taylor Institution Library is the biggest research library in Britain devoted to modern languages.
LOVE LANGUAGES?

Language-based courses at Oxford are offered by several different departments, and there are lots of opportunities to mix and match, or to study a language alongside another subject. Almost all of these languages can be learnt from scratch.

Law with Law Studies in Europe (page 96) gives you the chance to study French, German, Italian or Spanish law – in the relevant language and country. (You can also study European Law in the Netherlands, which is taught in English.)

EXTRA-CURRICULAR LANGUAGE LEARNING

Any Oxford student can learn a language at the University’s Language Centre – see page 5.
This course allows students to study one modern language in depth together with Linguistics, the study of language itself. Part of your course will consist of developing your practical language skills to a high level, and you will engage with the literature and culture associated with the language (see Modern Languages, page 112).

In your study of Linguistics, you will be introduced to the analysis of the nature and structure of human language (including topics such as how words and sentences are formed, how we make and hear sounds, how languages change and vary and how language is organised in the brain) and you will apply these ideas to the study of your chosen language. The University has particular expertise in general linguistics, phonetics, phonology, syntax and semantics, psycholinguistics and in the history and structure of many individual European languages and language families. All these combine to offer a mutually reinforcing package: on the one hand the theoretical study of what human language is and how it works: on the other, the detailed study of issues of language structure and change applied to the specific language you are studying. You will find a wide range of options available, allowing you to concentrate on those areas you find most exciting.

**International opportunities**

Students spend a year abroad before their final year. Please see Modern Languages (page 112) for more information.
A typical weekly timetable
Your week’s work will include a tutorial on linguistics or literature, in or arranged by your college, a linguistics class and language classes on different skills relating to the language or languages you study, and five or six lectures.

What are tutors looking for?
Language tutors look for a good command of any language you have already studied and want to continue studying at Oxford, and a strong interest in literature and culture.

Linguistics is a subject that most students start from scratch at University. Therefore admission tutors look for potential, in the form of an interest in exploring the nature of human language together with an aptitude for describing and analysing it. Furthermore, tutors look for a willingness to learn the formal tools required for rigorous and detailed investigation and leading to a deep understanding of the use, history and structure of the language you are studying.

For further information about the selection criteria please see: ox.ac.uk/criteria.

MLL CAREERS
The training in rigorous analysis provided by Linguistics, coupled with highly developed practical competence in a language, gives graduates an excellent basis for a wide range of careers in language-related employment and other areas.

Recent Modern Languages and Linguistics graduates include a management consultant, a brand marketing manager, a market researcher for a company in the chemical industry, a psychology lecturer and a teacher.

<table>
<thead>
<tr>
<th>1ST YEAR</th>
<th>2ND AND 4TH YEARS (3RD YEAR SPENT ABROAD)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Courses</strong></td>
<td><strong>Courses</strong></td>
</tr>
<tr>
<td>Modern Language</td>
<td>Modern Language</td>
</tr>
<tr>
<td>• Practical language work (two papers)</td>
<td>• Practical language work</td>
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<tr>
<td>• Study of important works and/or topics in the literature of the language (two papers)</td>
<td>• A period of literature</td>
</tr>
<tr>
<td>Linguistics</td>
<td>• Optional further subject chosen from a wide range</td>
</tr>
<tr>
<td>• General linguistics</td>
<td>Linguistics</td>
</tr>
<tr>
<td>• Phonetics and phonology</td>
<td>• History of the language you will be studying</td>
</tr>
<tr>
<td>• Grammatical analysis</td>
<td>• Structure and use of that language in its modern form</td>
</tr>
<tr>
<td></td>
<td>• One or two specialist options, for example:</td>
</tr>
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<td></td>
<td>• Syntax; semantics and pragmatics; phonetics and phonology;</td>
</tr>
<tr>
<td></td>
<td>• sociolinguistics; psycholinguistics; linguistic project</td>
</tr>
<tr>
<td>The options listed above are illustrative and may change. More information about current options is available on the course websites (details above).</td>
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<tr>
<th>Assessment</th>
<th>Assessment</th>
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<tbody>
<tr>
<td>First University examinations: Seven written papers, including translation and literature</td>
<td>Final University examinations: Eight or nine papers and an oral examination</td>
</tr>
</tbody>
</table>

Requirements and applying: ox.ac.uk/ugml
2018 Open Days: 27 and 28 June and 14 September ox.ac.uk/opendays
Modern Languages and joint courses Open Day: 28 April 2018 – booking required www.mod-langs.ox.ac.uk/open-days

Course details: www.mod-langs.ox.ac.uk
+44 (0) 1865 270750
reception@mod-langs.ox.ac.uk

www.ling-phil.ox.ac.uk
+44 (0) 1865 280400
enquiries@ling-phil.ox.ac.uk

Which colleges offer this course? See page 144
Why study Music?

- We ‘study’ music by reading, listening, performing and composing.
- We investigate, through analysis, the relationships between the various parts of the composition.
- We use documentary evidence to explore how reliable and authoritative a score is and how to perform it.
- We investigate the various uses of music to see how a musical work (or repertory or style) has been shaped over time, and how it might differ from that of earlier ages or of different cultures.

Music at Oxford

- Music has been part of the life of Oxford for more than 800 years.
- There are 30 academic staff – scholars with distinguished reputations as musicologists, performers or composers.
- Numerous speakers and professional performing ensembles visit.
- Students enjoy performance and composition workshops, and play an active part in the life of their colleges – in chapels, orchestras, ensembles, bands and stage performances.
- The faculty building incorporates practice rooms, electronic music and recording studios, and probably one of the best music libraries in a British university. The world-famous Bate Collection of Musical Instruments, housed in the faculty, lends historical instruments to students.
- The course is broadly based but allows increasing specialisation and choice as you proceed. Performance and composition are prominent, but you can concentrate on other areas such as history or analysis.
- Students graduate as mature and well-rounded musicians with an informed and lively sense of the contemporary study and practice of the subject.

A typical weekly timetable

- Four to six lectures a week
- One or two tutorials in college
- Practice, workshops and rehearsals
- More time for independent study in the summer terms.

What are tutors looking for?

Potential to engage with the course through a genuine spirit of enquiry and keenness to think critically about music.

For further information about the selection criteria see: ox.ac.uk/criteria.

FROM A MUSIC STUDENT

The Oxford music course suits me because it is broad and varied, but also has lots of space to make it my own. For my final exams I am sitting papers in broad aspects of music history (from English renaissance polyphony to electronic music), analysis and issues to do with how we study music, but I am also writing a dissertation about the music in a primary school near Oxford, essays on Brazilian music, and a report from the term I spent working on a music project with children with autism. I have friends who are playing the Rite of Spring for piano duet for a chamber music exam, who are singing Schubert Lieder for a solo recital, and who are analysing Bach organ fugues for an analysis portfolio – and those are just the people in my year in my college! If you are passionate about music, and keen to explore the subject from many different angles, there will be something in the Oxford course for you.

SARAH
MUSIC CAREERS

Teaching, performance and arts administration are among the more popular destinations for Music graduates, but others include broadcasting, publishing, the law, politics and the Civil Service. Many students undertake further study in performance, often at conservatoires in the UK and abroad.

After graduating, Fabienne secured a marketing and public relations internship with the Philharmonia Orchestra. She then worked for the Royal Philharmonic Orchestra and London Symphony Orchestra before being headhunted for her current role as Head of Communications and Marketing at Intermusica, an industry-leading international classical music management agency. She says, ‘Our roster includes Marin Alsop, Sir John Eliot Gardiner, Daniil Trifonov, Sir Willard White, James MacMillan, Leonidas Kavakos and many others. Naturally my music degree has proved an extremely helpful foundation for a career in classical music management but I would say that the most important thing I gained from Oxford was confidence and resilience and being able to meet people from all walks of life.’

1ST YEAR

Courses
Six subjects are taken (one chosen from a list of options)

Compulsory
• Special topics, for example:
  Machaut’s songs
  Historically informed performance
  Schubert’s last decade
  Psychology of everyday musical experience
  Global hip hop
• Musical analysis
• Techniques of composition and keyboard skills

Options
• Issues in the study of music
• Composition
• Performance
• Extended essay

Assessment
Three written papers and one ‘take-away’ paper, a practical examination and a recital/portfolio of compositions/essay

2ND AND 3RD YEARS

Courses
Eight subjects are taken (six chosen from a list of options)

Compulsory
• Topics in music history before 1750
• Topics in music history after 1700

Optional topics studied
• Musical analysis and criticism
• Musical thought and scholarship
• Techniques of composition
• Solo performance
• Orchestration
• Dissertation
• Composition portfolio
• Edition with commentary
• Analysis portfolio
• Music ethnography
• Chamber music performance
• Choral conducting
• Choral performance
• Special topic papers. Some recent examples include: Music perception; Music in Scandinavia; Women composers; Dance music; Lieder; Music & society in England, 1851–1914; Music in the community

Assessment
Final University examinations: Three or more written papers and a combination of take-away papers, portfolio submissions, recitals and practical tests, depending on the options chosen

Please note that the courses listed above are illustrative and may change. A full list of current options is available on the course website (details above).
Among subjects in the humanities, Oriental Studies is unique in introducing students to civilisations that are different from the Western ones that form the basis of the curriculum in most British schools and colleges. The courses present both the major traditions of the regions studied and, in most cases, their modern developments. All courses include language, literature, history and culture and there is a wide range of options in such fields as art and archaeology, history, literature, philosophy, religion and modern social studies.

Oriental Studies has a long history in Oxford. The Bodleian and other libraries have acquired magnificent collections. The Oriental Institute, Institute for Chinese Studies, Bodleian Japanese and Indian Institute Libraries are all specialists in their respective fields. Around the corner from the Oriental Institute is the Ashmolean Museum, which houses superb collections. The Sackler Library contains the renowned Griffith Library, one of the finest libraries in the world for the study of ancient Egypt and the Ancient Near East.

Work placements/international opportunities
Most courses offer the opportunity to spend time in the region being studied. The Arabic course includes a year in the Middle East, the Persian and Turkish courses a year in Iran (due to visa restrictions some students are unable to travel to Iran, in which case separate individual arrangements are made) or Turkey respectively, and the Hebrew course an optional year in Israel. The Chinese and Japanese courses also include a year in China and Japan respectively.

What are tutors looking for?
Successful candidates are expected to demonstrate the following: high academic achievement, potential for the intended course of study and strong motivation. Oriental Studies requires a capacity for hard work and the ability to tackle foreign languages as well as skills of analysis, argument and essay writing. For further information about the selection criteria please see: ox.ac.uk/criteria.

UCAS codes: see tables

Entrance requirements
A-levels: AAB
Advanced Highers: AA/AAB
IB: 39 (including core points) with 666 at HL
Or any other equivalent
Students are not expected to have studied an Oriental language before. A language to A-level, Advanced Higher, Higher Level in the IB or another equivalent can be helpful to students in completing this course, although this is not required for admission.

3-year average (2015–17)
Interviewed: 84%
Successful: 26%
Intake: 42

How to apply
✓ Tests: OLAT (for Arabic/Hebrew/Jewish Studies/Persian/Turkish options only). For test date and registration details please see ox.ac.uk/tests
✓ Written work: Two pieces
See ox.ac.uk/writwork

Fees, living costs and funding
See page 186 and ox.ac.uk/funding

Additional costs
During the year abroad, the Oriental Institute covers the cost of language tuition, but not living costs and flights. For more information, see www.orinst.ox.ac.uk/article/our-courses
OS CAREERS

The skills developed while studying for a degree in Oriental Studies are greatly appreciated by a wide range of employers. Career options include finance, the media, commerce, the Civil Service, the law, accountancy and the arts. Around 30% of Oriental Studies graduates go on to further study.

Andi, who graduated with a BA (OS) in Japanese, is Director of International Business Development at Ping Identity. He says: ‘My time at Oxford gave me a good foundation for the varied demands of both small and large companies, and the skills required to handle the constant change and learning required in the software industry. I’ve had the opportunity to do business in Japan on several occasions through my career.’

Iason, who graduated with a BA (OS) in Arabic, is a photojournalist, film-maker and lecturer currently working for the UN in Libya. He says: ‘I have lived in Cairo, Damascus, Sanaa and Tehran, and covered events like the 2011 Arab revolts and the Greek economic crisis. After studying for a master’s in Persian and Contemporary Iranian Studies, I was a Nieman fellow at Harvard.’

BEIJING, KOBE & OXFORD

Peking University hosts the year abroad for students of Chinese. The University of Kobe is our partner in the Kobe–Oxford Japanese Studies Programme.

MORE ABOUT

Requirements and applying:
ox.ac.uk/ugos

2018 Open Days:
27 and 28 June and 14 September
ox.ac.uk/opendays

Oriental Studies Open Day:
28 April 2018 – booking required
www.orinst.ox.ac.uk/article/open-days

Assessment
First University examinations after term 3:
Three written papers; an oral exam (Arabic only)

Assessment
Qualifying examination at the end of the course

Assessment
Final University examinations:
Oral exam and eight or nine written papers (one of which may be a dissertation)

Arabic and Islamic Studies
Arabic with subsidiary language
Persian

Courses
• Elementary language
• Islamic history and culture

Courses
• Core work on language and literature
• History
• Specialisation or subsidiary language

Courses
• Year abroad: approved course of language instruction

Course details:
www.orinst.ox.ac.uk
+44 (0) 1865 278312
undergraduate.admissions@orinst.ox.ac.uk

Which colleges offer this course? See page 144

Options listed are only illustrative of what is available. A full list of current options is available on the course website (details above).
### Oriental Studies

#### 1st Year

**Courses**
- Broad survey of civilisations of Egypt and the Ancient Near East
- Language teaching in Egyptian or Akkadian

**Assessment**
First University examinations: Three written papers

#### 2nd Year

**Courses**
- Addition of second language, or Archaeology and Anthropology
- Language options: Akkadian, Egyptian, Arabic, Aramaic and Syriac, Coptic, Hebrew (Biblical and Mishnaic), Old Iranian, Sumerian or Hittite (if available)
- Literary and historical topics through study of texts and essay writing
- Intensive class work
- Artefact classes

Subject to acceptance, students may also have the option of Classical Greek or Latin from the Classics with Oriental Studies degree. See page 58.

**Assessment**
First University examinations: Four written papers

#### 3rd and 4th Years

**Courses**
- Essay writing and dissertation work
- Intensive classes in the first and second terms
- Artefact classes
- Field of concentration

**Assessment**
Final University examinations: Ten units

### Egyptian Studies

#### 1st Year

**Courses**
- Elementary language in classical and modern Chinese
- History and culture

**Assessment**
First University examinations: Three written papers, an oral exam

#### 2nd Year

**Courses**
- Year abroad at Peking University

**Assessment**
First University examinations: Four written papers

#### 3rd and 4th Years

**Courses**
- Extended language classes and historical study
- Options: Ancient history; Literature; Modern society and politics; or subsidiary languages: Tibetan, Japanese or Korean

**Assessment**
Final University examinations: Oral examination; eight written papers; dissertation

### Hebrew Studies

#### 1st Year

**Courses**
- Intensive study in Hebrew language in all periods
- Introduction to Jewish history and culture

**Assessment**
First University examinations: Four written papers

#### 2nd Year

**Courses**
- Handling Hebrew texts and developing knowledge of historical and cultural background
- Choice of options from Jewish Studies

#### 3rd and 4th Years

**Courses**
- Texts
- Historical and cultural background

3rd year can optionally be spent abroad

**Assessment**
Final University examinations: Seven written papers; dissertation
4-year course only: oral examination

Options listed are only illustrative of what is available. A full list of current options is available on the course website (see page 121).
### Japanese  T201

<table>
<thead>
<tr>
<th>1ST YEAR</th>
<th>2ND YEAR</th>
<th>3RD AND 4TH YEARS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Courses</strong>:&lt;br&gt;• Elementary Japanese language&lt;br&gt;• History and culture</td>
<td><strong>Courses</strong>:&lt;br&gt;• Year abroad at Kobe University</td>
<td><strong>Courses</strong>:&lt;br&gt;• Extended language classes&lt;br&gt;• Options (five subjects to be chosen): Classical literature, Modern literature, Linguistics; History, Politics, Economics; Subsidiary language (counts as three subjects); either Chinese, Korean or Tibetan</td>
</tr>
<tr>
<td><strong>Assessment</strong>&lt;br&gt;First University examinations: Three written papers</td>
<td><strong>Assessment</strong>&lt;br&gt;Test at end of course</td>
<td><strong>Assessment</strong>&lt;br&gt;Final University examinations: Oral examination; eight written papers; dissertation</td>
</tr>
</tbody>
</table>

Options listed are only illustrative of what is available. A full list of current options is available on the course website (see page 121).

### Jewish Studies  QV91

(primarily focused on the history, religion and culture of the Jews from biblical to modern times)

<table>
<thead>
<tr>
<th>1ST YEAR</th>
<th>2ND YEAR</th>
<th>3RD YEAR</th>
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<tbody>
<tr>
<td><strong>Courses</strong>:&lt;br&gt;• Intensive study in Hebrew language in all periods&lt;br&gt;• Introduction to Jewish history and culture</td>
<td><strong>Courses</strong>:&lt;br&gt;• Options (three subjects to be chosen)</td>
<td><strong>Courses</strong>:&lt;br&gt;• Options (two subjects to be chosen)</td>
</tr>
<tr>
<td><strong>Assessment</strong>&lt;br&gt;First University examinations: Four written papers</td>
<td><strong>Assessment</strong>&lt;br&gt;Final University examinations: Seven written papers; dissertation</td>
<td><strong>Assessment</strong>&lt;br&gt;Final University examinations: Seven written papers; dissertation</td>
</tr>
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A full list of current options is available on the course website (see page 121).

### Sanskrit  Q450

<table>
<thead>
<tr>
<th>1ST YEAR</th>
<th>2ND YEAR</th>
<th>3RD YEAR</th>
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<tbody>
<tr>
<td><strong>Courses</strong>:&lt;br&gt;• Intensive language teaching</td>
<td><strong>Courses</strong>:&lt;br&gt;• Preparation for Final University examinations in third year&lt;br&gt;• Study of Sanskrit grammar&lt;br&gt;• Subsidiary language options: Hindi, Old Iranian, Pali, Prakrit and Tibetan</td>
<td><strong>Courses</strong>:&lt;br&gt;• Sanskrit literature&lt;br&gt;• Special subject</td>
</tr>
<tr>
<td><strong>Assessment</strong>&lt;br&gt;First University examinations: Three written papers</td>
<td><strong>Assessment</strong>&lt;br&gt;Final University examinations: Nine papers: seven in Sanskrit and two in subsidiary languages</td>
<td><strong>Assessment</strong>&lt;br&gt;Final University examinations: Nine papers: seven in Sanskrit and two in subsidiary languages</td>
</tr>
</tbody>
</table>

Options listed are only illustrative of what is available. A full list of current options is available on the course website (see page 121).
Philosophy and Modern Languages BA 4 years with a year abroad

Philosophy and either Czech (with Slovak), French, German, Modern Greek, Italian, Portuguese, Russian or Spanish

Philosophy and Modern Languages brings together some of the most important approaches to understanding language, literature and ideas.

The study of philosophy develops analytical rigour and the ability to criticise and reason logically. It allows you to apply these skills to questions ranging from how we acquire knowledge and form moral judgements to the nature of language, art and literature. Since many works of literature are shaped by the dominant philosophical ideas of their epoch, study of philosophy can illuminate that intellectual background.

The study of a modern European language develops analytical and critical abilities as well as linguistic skills to a high level; the study of the literature written in that language contributes to an understanding of many aspects of European culture. It develops attention to stylistic and terminological detail and rhetorical strategies, and sensitivity to cultural and historical context, which are also of great value to the study of philosophy.

Studying these two disciplines in parallel has numerous advantages and affords students greater insights into each.

The Philosophy Faculty is the largest philosophy department in the UK, and one of the largest in the world, admitting around 450 undergraduates annually to read the various degrees involving Philosophy. Many faculty members have a worldwide reputation and our library and other facilities are acknowledged as among the best in the country.

Oxford’s Modern Languages Faculty is one of the largest in the country, with a total intake of more than 250 students a year, including those reading joint degrees. The Taylor Institution is the biggest modern languages research library in the UK. The Modern Languages Faculty also has an undergraduate lending library, and students are able to take advantage of the excellently equipped Language Centre (see page 5).
International opportunities
Students spend a year abroad before their final year. Please see Modern Languages (page 112) for more information.

A typical weekly timetable
Your work is divided between tutorials (one or two weekly), lectures (about six hours weekly) and classes (first-year logic, language classes throughout the course: about two to three hours weekly). The rest of your week will be spent in independent study to prepare essays for tutorials and improve your command of your language.

What are tutors looking for?
At interview, tutors will be looking for interest in the proposed fields of study, relevant linguistic ability, a critical and analytical response to questions and/or texts and the ability to defend a viewpoint by reasoned argument.

For information about the selection criteria please see: ox.ac.uk/criteria.

Requirements and applying:
ox.ac.uk/ugpml
2018 Open Days:
27 and 28 June and 14 September
ox.ac.uk/opendays
Modern Languages and joint courses Open Day:
28 April 2018 – booking required
www.mod-langs.ox.ac.uk/open-days

Assessment
First University examinations: Six written papers: two in Philosophy, four in Modern Languages

Assessment
Final University examinations: Nine written papers (with a minimum of three in Philosophy and four in Modern Languages; one Philosophy paper may be replaced by a thesis; some Modern Languages papers may be replaced by a thesis or a portfolio of essays); Modern Languages oral examination

Course details:
www.mod-langs.ox.ac.uk
+44 (0) 1865 270750
reception@mod-langs.ox.ac.uk

www.philosophy.ox.ac.uk
+44 (0) 1865 276926
enquiries@philosophy.ox.ac.uk

Which colleges offer this course? See page 144

PML CAREERS
Philosophy and Modern Languages graduates enter careers including academic teaching and research, teaching, commerce, banking and financial services, journalism and communications. An Oxford degree in a modern language opens up opportunities for international careers or working with global companies or organisations.

Recent Philosophy and Modern Languages graduates include an economic consultant, a management consultant and a bilingual editor for a publishing company.

The options listed above are illustrative and may change. More information about current options is available on both course websites (details above).
PPE brings together some of the most important approaches to understanding the world around us, developing skills useful for a whole range of careers and activities.

Studying Philosophy, you will develop analytical rigour and the ability to criticise and reason logically, and be able to apply these skills to questions concerning how we acquire knowledge or make ethical judgements.

The study of Politics provides a thorough understanding of the impact of political institutions on modern societies. It helps you to evaluate the choices that political systems must regularly make, to explain the processes that maintain or change those systems, and to examine the concepts and values used in political analysis.

Economics is the study of how consumers, firms and government make decisions that together determine how resources are allocated. An appreciation of economics has become increasingly necessary to make sense of governmental policy-making, the conduct of businesses and the enormous economic transformations throughout the world.

All three branches of PPE at Oxford have an international reputation, supported by more than 200 renowned scholars. PPE at Oxford is a very flexible course which allows you to study all three branches, or to specialise in two after the first year.

A typical weekly timetable
Your work is divided between lectures (typically six to eight a week), tutorials and classes (typically two tutorials or one tutorial and one class a week), and private study mainly spent preparing essays or problem sets for tutorials and classes.

What are tutors looking for?
Admissions tutors will want to find out if you can think clearly and analytically. They are less concerned with what you know than with how you think and use your knowledge. They will seek evidence of interest in social and political concerns.

Applicants may enjoy reading some of the following sources:

- Thomas Nagel’s *What Does It All Mean?*, Martin Hollis’s *An Invitation to Philosophy* and Simon Blackburn’s *Think* are useful introductions to Philosophy.
- Jonathan Wolff’s *An Introduction to Political Philosophy*, Gillian Peele’s *Developments in British Politics* and Adrian Leftwich’s *What Is Politics?* are good introductory texts for Politics.
- The best introduction to Economics is to read the economics and business pages of newspapers. Tim Harford’s *Undercover Economist* and Paul Krugman’s *The Accidental Theorist* are also recommended.

PPE CAREERS
The careers most commonly chosen by PPE graduates are in banking and finance, politics, journalism and broadcasting, the law, industry, teaching, social work, accountancy, business management, management consultancy, advertising and the many branches of the public services, including the Civil and Diplomatic Services and local government.

PPE graduates include a financial journalist, a strategy consultant and a fundraising officer.
Amit was Head of Corporate Partnerships at the British Heart Foundation. He says: ‘PPE encouraged me to be inquisitive, open-minded and analytical, preparing me for a career that has spanned the private, public and charity sectors.’

Jan worked for OC&C Strategy Consultants in London. He says: ‘As a strategy consultant, I have to break down and analyse companies’ complex problems and communicate the solution clearly to the client. Preparing and discussing essays in weekly tutorials in Oxford helped develop these skills, as well as the ability to think outside the box.’

Maša was a reporter at the Financial Times. She says: ‘I found the skills I learnt reading PPE invaluable. Most importantly, the course teaches you to think in a very rigorous way. Your tutors are constantly challenging you and won’t let you get away with woolly arguments. While this can initially be difficult to get to grips with, it has been incredibly useful in my career.’

## 1ST YEAR

### Courses

All three branches of PPE are studied equally:

**Philosophy**
- General philosophy
- Moral philosophy
- Elementary logic

**Politics**
- The theory of politics (introductory political theory)
- The practice of politics (introductory comparative government and politics)
- Political analysis (introductory empirical and quantitative methods)

**Economics**
- Microeconomics: the functioning of the market economy
- Macroeconomics: dealing with national output and employment, exchange rates and policy issues
- Mathematical techniques used in economics

## 2ND AND 3RD YEARS

### Courses

Students choose to continue with all three branches (be *tripartite*) or concentrate on any two (be *bipartite*), taking compulsory courses in the chosen branches along with optional courses:

**Compulsory courses**

**Philosophy**
- Ethics, and
- either Early modern philosophy or Knowledge and reality or Plato’s *Republic* or Aristotle’s *Nicomachean Ethics*

**Politics (any two of these)**
- Comparative government
- British politics and government since 1900
- Theory of politics
- International relations
- Political sociology

**Economics (all three if bipartite, two if tripartite)**
- Microeconomics
- Macroeconomics
- Quantitative economics

**Optional courses**
- More than 50 choices, currently including: Post–Kantian philosophy, Politics in sub-Saharan Africa and International economics

## Assessment

**First University examinations:** Three written papers

**Final University examinations:**
- Eight papers, one of which can be replaced by a thesis/supervised dissertation
Philosophy and Theology brings together some of the most important approaches to understanding and assessing the intellectual claims of religion.

The study of Philosophy develops analytical rigour and the ability to criticise and reason logically. It allows you to apply these skills to many contemporary and historical schools of thought and individual thinkers, and to questions ranging from how we acquire knowledge and form moral judgements to central questions in the philosophy of religion, including the existence and nature of God and the relevance of religion to human life.

The study of Theology provides an understanding of the intellectual underpinning of religious traditions, and of the social and cultural contexts for religious belief and practice. It brings together a wide range of skills and disciplines, historical, textual, linguistic, sociological, literary-critical and philosophical.

The degree is constructed in the belief that the parallel study of these related disciplines leads to a deeper understanding of each.

The Philosophy Faculty is the largest in the UK and one of the largest in the world. Many faculty members have a worldwide reputation, and library and other facilities are acknowledged as among the best in the country.

The Faculty of Theology and Religion has more than 100 members ranging from experts in the ancient languages and literature of the world's religions to church historians and systematic theologians. Its reputation and excellent library facilities attract scholars from all over the world.

**A typical weekly timetable**

Work is divided between tutorials (usually one or two weekly), lectures (typically six to eight weekly), and classes for some topics. A large part of your week will be spent in independent study to prepare essays for tutorials.

**What are tutors looking for?**

In interviews, tutors look for interest in the proposed fields of study, a critical and analytical approach to abstract questions and the ability to defend a viewpoint by reasoned argument.

For further information on selection criteria please see: ox.ac.uk/criteria.

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**FROM A P&T STUDENT**

Choosing to read Philosophy and Theology was a controversial choice in my heavily science-based school – many of my friends were confused why I was taking what they believed to be an ‘old-fashioned’ degree – however, they could not have been more wrong. My experience of joint honours has been one of a steady introduction to logical, creative thinking with an overarching emphasis on empathy for those of all different faiths and creeds. I sincerely believe it is one of the most pertinent degrees given current affairs because most importantly of all: it is about how to think. MEGAN
John, now a QC says: ‘I could not recommend Philosophy and Theology at Oxford more highly. It was such a wide-ranging ‘Liberal Arts’ type degree with so many subject options. On a practical level theology encourages deep thought and creative thinking whilst my philosophical tutors taught me to question and doubt every claim. That was an ideal preparation for the Bar.’

Philosophy and Theology graduates have secured wide-ranging positions as authors, writers, newspaper and periodical editors, academics and teachers. Recent graduates include a barrister, a member of a political think tank, a student at the Royal Academy of Music and a marketing executive for a philanthropy adviser.

Others have entered careers such as commerce, banking, financial services and communications.

See www.theology.ox.ac.uk for further information about careers for theologians.

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**1ST YEAR**

**Courses**

Four papers are taken:
- The figure of Jesus through the centuries
- General philosophy
- Logic and moral philosophy
- and one of the following:
- Introduction to the study of the Bible
- Religion and religions
- New Testament Greek
- Biblical Hebrew
- Qur’anic Arabic
- Church Latin
- Pali
- Sanskrit

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**2ND AND 3RD YEARS**

**Courses**

Students take eight papers, either five in Philosophy and three in Theology, or five in Theology and three in Philosophy, or four in each. A thesis in either subject may be offered as one of these.

All students study:
- Early modern philosophy or Knowledge and reality
- Ethics or Plato’s Republic or Aristotle’s Nicomachean Ethics
- Philosophy of religion

Remaining papers are chosen from a wide range of options in Philosophy and Theology.

Students may choose freely from Theology papers that cover:
- Biblical Studies
- Systematic theology and ethics
- History of religions (Buddhism, Christianity, Hinduism, Islam and Judaism)
- Religion and religions (Contemporary Buddhism, Hinduism, Islam and Judaism)

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**Assessment**

First University examinations: Four papers each assessed by written examination

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**Assessment**

Final University examinations: Eight papers (assessed either by written examination or by submitted coursework, depending upon the option), or seven papers plus a thesis

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**MORE ABOUT**

**Requirements and applying:**

[ox.ac.uk/ugpt](http://ox.ac.uk/ugpt)

2018 Open Days:
27 and 28 June and 14 September
[ox.ac.uk/opendays](http://ox.ac.uk/opendays)

**Course details:**

[www.philosophy.ox.ac.uk](http://www.philosophy.ox.ac.uk)
+44 (0) 1865 276926
enquiries@philosophy.ox.ac.uk

[www.theology.ox.ac.uk](http://www.theology.ox.ac.uk)
+44 (0) 1865 270790
general.administrator@theology.ox.ac.uk

**Which colleges offer this course?**

See page 144
Physics is concerned with the study of the universe from the smallest to the largest scale: why it is the way it is and how it works. Such knowledge is basic to scientific progress. The language of physics is mathematics: formulating physical theories sometimes requires new mathematical structures. Physics is a fundamental science and a practical subject. Many techniques used in medical imaging, nanotechnology and quantum computing are derived from physics instrumentation. Even the World Wide Web was a spin-off from the information processing and communications requirements of high-energy particle physics.

Oxford has one of the largest university physics departments in the UK, with an outstanding and very diverse research programme in six sub-departments:

- Astrophysics
- Atmospheric, Oceanic and Planetary Physics
- Atomic and Laser Physics
- Condensed Matter Physics (including Biophysics)
- Particle Physics
- Theoretical Physics.

Physics at Oxford is challenging and mathematical with a strong emphasis on fundamental concepts such as optics and relativity. The fourth-year MPhys option courses bring you to the threshold of current research, and can lead to subject specialism. An accepted student can also complete in three years with a BA. The department is equipped with state-of-the-art lecture facilities and teaching laboratories. Tutorials give students direct and regular access to physicists actively involved in research and provide an opportunity to explore scientific ideas with experts in the field.

Project work
A wide choice of fourth-year MPhys projects is available across all six physics sub-departments. Third-year MPhys students carry out a short project in the teaching laboratories. Those taking the three-year BA course do a group project investigating a real industrial physics problem.

A typical weekly timetable
In the first year, time is equally divided between mathematics and physics, with about ten lectures and two tutorials plus one day in the practical laboratories a week. In the second and third years the core and mainstream physics topics are covered in tutorials and small group classes. Practical work is also done during the year. In the fourth year you take two major options and the MPhys project.

What are tutors looking for?
Tutors are looking for enthusiastic and highly motivated students with the ability to apply basic principles to unfamiliar situations. The course requires a good level of mathematical competence: the ability to formulate a problem in mathematical terms and then extract the physical consequences from the solution.

For information about the selection criteria please see: ox.ac.uk/criteria.
**Physics Careers**

More than 40% of Physics graduates go on to study for a higher degree, leading to careers in universities or in industry or in research and development, technical consultancy, manufacturing and science education. Many others enter professions unrelated to Physics, such as finance and business, where the analytical and problem-solving skills they have developed are highly sought after.

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| Requirements and applying: ox.ac.uk/ugphysics |
| 2018 Open Days: 27 and 28 June and 14 September ox.ac.uk/opendays |
| Course details: www.physics.ox.ac.uk +44 (0) 1865 272200 enquiries@physics.ox.ac.uk |
| Which colleges offer this course? See page 144 |

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### 1st year

**Current courses**
- Classical mechanics and special relativity
- Electromagnetism, circuit theory and optics
- Mathematical methods I
- Differential equations and waves

**Short options, eg:**
- Astronomy
- Complex analysis
- Quantum ideas

**Assessment**
- First University examinations: Four written papers; short option paper; satisfactory laboratory work

### 2nd year

**Current courses**
- Thermal physics
- Electromagnetism and optics
- Quantum physics
- Mathematical methods II

**Short options, eg:**
- Classical mechanics
- Climate physics
- Introduction to biological physics

**Assessment**
- Final University examinations, Part A (BA and MPhys): Three written papers; short option paper; laboratory work; individual presentation

### 3rd year

**Current courses**
- Flows, fluctuations and complexity
- Symmetry and relativity
- Quantum, atomic and molecular physics
- Sub-atomic physics
- General relativity and cosmology
- Condensed-matter physics

**Short options, eg:**
- Advanced quantum mechanics
- Classical mechanics
- Plasma physics

**Assessment**
- Final University examinations, Part B (MPhys): Six written papers; short option paper; mini-project; laboratory work

### 4th year

**Research**
- Project and two option courses:
  - MPhys project
  - Current major options:
    - Astrophysics
    - Laser science and quantum information processing
    - Condensed matter
    - Particle physics
    - Atmospheres and oceans
    - Theoretical physics
    - Biological physics

**Assessment**
- Final University examinations, Part B (BA): Four written papers; short option paper; mini-project; group presentation; laboratory work; project report

**Assessment**
- Final University examinations, Part C (MPhys): Project report; two major option papers

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**MMathPhys 4th year**

The Physics and Mathematics Departments jointly offer an integrated master’s level course in Mathematical and Theoretical Physics. Physics students are able to apply for transfer to a fourth year studying entirely mathematical and theoretical physics, completing their degree with an MMathPhys. The course offers research-level training in: Particle physics, Condensed matter physics, Astrophysics, Plasma physics and Continuous media. For full details see mmathphys.physics.ox.ac.uk
Physics and Philosophy is a demanding and rewarding course, combining the most rigorous and fundamental subjects in the arts and the sciences. It seeks understanding of the nature of reality and of our knowledge of it. There are strong links between physics and philosophy, and the stimulus for each discipline lies in part in the other.

Oxford has one of the largest physics departments in the UK, with an outstanding and broad research programme. The expertise in the department ensures the curriculum is updated in the light of developments in research.

The Philosophy Faculty is the largest in the UK, and one of the most prestigious in the world. The large number of students reading Philosophy leads to a diverse and lively philosophical community.

The Oxford research group in Philosophy of Physics is extremely active, with interests in classical space–time theories, foundations of classical statistical mechanics, quantum mechanics, quantum field theory and quantum gravity.

The fourth-year MPhysPhil option courses bring you to the threshold of current research, and can lead to subject specialism. An accepted student can also complete in three years with a BA.

How to apply
✓ Tests: PAT. For test date and registration details please see ox.ac.uk/tests
X Written work: None required

Fees, living costs and funding
See page 186 and ox.ac.uk/funding

Application information: If your application for Physics and Philosophy is unsuccessful you will be considered for Physics. If you do not want to be considered for Physics please make this clear at interview.

What are tutors looking for?
Philosophy is rarely taught in schools, but anyone who has an interest in general questions about the nature of science, mathematics, mind, knowledge or truth has an interest in philosophy. No more than that is needed – you are not disadvantaged if you have not studied Philosophy before. Philosophy tutors will be looking for a critical and analytical approach to abstract questions and an ability to defend a point of view by reasoned argument.

The Physics tutors will ask you the same style of questions about mathematics and physics as they ask Physics applicants, to determine your mathematical and problem-solving ability and potential for further study (see Physics, page 130).

PGP Careers
Graduates in Physics and Philosophy offer an unusual and valuable combination of skills to employers in commerce and industry. Almost 40% go on to study for a higher degree. Some will enter science professions such as research and development or technical roles in industry. Many others enter professions unrelated to their subject.
### 1ST YEAR

**Current courses**
- **Physics**
  - Mechanics and special relativity
  - Differential equations and matrix algebra
  - Calculus and waves
- **Philosophy**
  - Elements of deductive logic
  - General philosophy
  - Introductory philosophy of physics

### 2ND YEAR

**Current courses**
- **Physics**
  - Thermal physics
  - Electromagnetism
  - Quantum physics
  - Mathematical methods
  - Physics practicals
- **Philosophy**
  - Early modern philosophy or Knowledge and reality
  - Philosophy of special relativity

### 3RD YEAR

**Current courses**
- **One elective paper in either Physics or Philosophy**
  - **Physics**
    - A choice of three (or five if the elective paper is in Physics) of the following subjects:
      - Classical mechanics
      - Flows, fluctuations and complexity
      - Symmetry and relativity
      - Quantum, atomic and molecular physics
      - Sub-atomic physics
      - General relativity and cosmology
      - Condensed-matter physics
  - **Philosophy**
    - Philosophy of science option
    - Philosophy of quantum mechanics
    - Choice of Philosophy option (if the elective paper is in philosophy) eg Ethics or Wittgenstein

### 4TH YEAR

**Research**
- Three units chosen in any combination from the lists for Physics and Philosophy
- Advanced philosophy of physics is an option

*The options listed above are illustrative and may change. More information about current options is available on the course websites (details above).*

### Assessment

| First University examinations: Three written papers in Physics; two written papers in Philosophy | Final University examinations, Part A: Three papers in Physics; satisfactory lab work | Final University examinations, Part B: Three or four written papers in Philosophy, one or two written papers and one short paper in Physics | Final University examinations, Part C: A mix (three in all) of written papers and essays, or thesis (in Philosophy), or project (in Physics) |

### MMATHPHYS 4TH YEAR

The Physics and Mathematics Departments jointly offer an integrated master’s level course in Mathematical and Theoretical Physics. Physics and Philosophy students are able to apply for transfer to a fourth year studying entirely mathematical and theoretical physics, completing their degree with an MMathPhys. The course offers research-level training in: Particle physics, Condensed matter physics, Astrophysics, Plasma physics and Continuous media. For full details see [mmathphys.physics.ox.ac.uk](http://mmathphys.physics.ox.ac.uk)
Psychology has been defined as the science of mental life and its scope includes a wide variety of issues. It addresses such questions as: How do we perceive colours? How do children acquire language? What predisposes two people to get on with each other? What causes schizophrenia?

Psychology at Oxford is a scientific discipline, involving the rigorous formulation and testing of ideas. It works through experiments and systematic observation rather than introspection.

The Oxford Experimental Psychology Department is widely regarded as one of the leading psychology departments in the UK. The department’s size and its commitment to excellence in teaching and research means there are typically four or five research seminars each week, in addition to undergraduate lectures and classes. At present, there are particularly strong research groups in the fields of human cognitive processes, neuroscience, language, developmental psychology, social psychology and psychological disorders.

A wide choice of research projects is available to students in their final year, including projects based in other departments and outside the University.

A typical weekly timetable
• Terms 1 and 2: About six lectures and two–three tutorials
• Terms 3–8: About six lectures, one–two tutorials and one practical class. You will also carry out your own research project and be given the opportunity to write a library dissertation and undertake independent research
• Term 9: About two revision lectures or tutorials and final examinations

What are tutors looking for?
In addition to a very good track record of academic achievement, tutors are keen to see whether you appreciate the scope of scientific psychology, can evaluate evidence, are able to consider issues from different perspectives, have a capacity for logical and creative thinking, appreciate the importance of empirical evidence in supporting arguments, and could cope with the quantitative demands of the course.

Psychology Careers
Experimental Psychology graduates can enter careers including professional psychology, education, research, medicine, the health services, finance, commerce, industry, the media and information technology. Some careers will require additional study and/or
This degree is accredited by the British Psychological Society for the Graduate Basis for Chartered Membership provided you achieve the minimum standard of second class honours.

During her time as a client consultant at Nunwood, Rachel said: ‘Since graduating I have worked for two large market research companies specialising in brands and advertising research. My degree helped me to develop my analytical skills as well as gaining project management experience which have been invaluable in my chosen career path.’

Whilst working as a Graduate Research Assistant at Oxford’s Department of Experimental Psychology, Lauren said: ‘Studying EP gave me the opportunity to conduct my own research project from its inception, from recruiting participants, to collecting and analysing data, and writing it up in a report. These skills have been invaluable to me in my job as a research assistant, as it involves co-ordinating a large number of participants taking part in a randomised control trial, and handling large amounts of data.’

### Requirements and applying:
- [ox.ac.uk/ugpsych](http://ox.ac.uk/ugpsych)
- 2018 Open Days: 27 and 28 June and 14 September [ox.ac.uk/opendays](http://ox.ac.uk/opendays)
- [www.psy.ox.ac.uk](http://www.psy.ox.ac.uk)
- +44 (0) 1865 271353
- admissions@psy.ox.ac.uk
- Which colleges offer this course? See page 144

### Terms 1 and 2

#### Courses
Three introductory courses are taken out of:
- Psychology
- Philosophy
- Linguistics
- Neurophysiology
- Probability theory and statistics

**Students must sit the examination in Probability theory and statistics either at Prelims (first year examinations) or as a qualifying examination.**

#### Assessment
First University examinations:
- Three written papers

### Terms 3–5

#### Courses
Students will study core subjects in Psychology covering:
- Cognitive psychology
- Biological psychology
- Developmental psychology
- Social psychology
- Individual differences
- Experimental design and statistics

#### Assessment
Final University examinations, Part I:
- Five written papers, covering all core subjects
- Practical portfolio

### Terms 6–9

#### Courses
Students will choose either:
- Three advanced options
- Two advanced options and a library dissertation

**A full list of current options is available on the course website (details above).**

Students carry out practical work in Psychology:
- Lab–based ‘block’ practicals
- Research project

#### Assessment
Final University examinations, Part II:
- Research project, practical portfolio
- Three written papers (or two written papers and a library dissertation)
Course combinations

Although it is possible to study papers from all three PPL subject areas as part of this course (subject to college approval), you must apply to specialise in two of the three:

Psychology and Philosophy CV85
Psychology and Linguistics CQ81
Philosophy and Linguistics VQ51

A list of colleges that accept each combination of the PPL degree can be found at: www.psy.ox.ac.uk/ugcol

There are close connections between these three subjects, so studying a combination of them makes a lot of sense. Psychology includes subjects as diverse as social interaction, learning, child development, schizophrenia and information processing. Philosophy is concerned with a wide range of questions including ethics, knowledge and the nature of mind. Linguistics is the study of language in all its aspects, including the structure of languages, meaning (semantics), how children learn language, pronunciation, and how people understand, mentally represent and generate language.

Psychology at Oxford is a scientific discipline, involving the rigorous formulation and testing of ideas. It works through experiments and systematic observation rather than introspection. The Oxford Experimental Psychology Department is widely regarded as one of the leading psychology departments in the UK. At present, there are particularly strong groups in the fields of human cognitive processes, neuroscience, language, developmental and social psychology.

The Oxford Philosophy Faculty is the largest philosophy department in the UK, and one of the largest in the world. Philosophy at Oxford has active interests in the philosophy of mind and the philosophy of science, and has very close links with those working in neuroscience and psychology.

The Faculty of Linguistics, Philology and Phonetics brings together scholars working in theoretical and descriptive linguistics (especially syntax, semantics and phonology), experimental phonetics, psycholinguistics, linguistics of the Romance languages, historical linguistics and comparative philology. Unlike other subjects in the humanities, it includes two scientific research laboratories – the Language and Brain Laboratory and the Phonetics Laboratory.

A typical weekly timetable

- Terms 1 and 2: about six lectures and two–three tutorials
- Terms 3–9: about six lectures, one–two tutorials and one practical class.

You may also do independent research by carrying out your own research project, library dissertation or thesis.

What are tutors looking for?

In addition to a very good track record of academic achievement, tutors are keen to see whether you appreciate the scope of those branches of Psychology, Philosophy and Linguistics you are applying for. They will also want to check whether you can evaluate evidence, are able to consider issues
from different perspectives, have a capacity for logical and creative thinking, appreciate the importance of empirical evidence in supporting arguments, and could cope with the quantitative demands of the course.

**PPL CAREERS**

Psychology, Philosophy and Linguistics graduates can enter careers including professional psychology, education, research, medicine, the health services, finance, commerce, industry, the media and information technology. Some careers will require additional study and/or training.

If Psychology constitutes at least 50% of your course, and covers the BPS curriculum, and provided you achieve the minimum standard of second class honours, your degree is accredited as conferring eligibility for the Graduate Basis for Chartered Membership of the British Psychological Society. This is normally the first step towards becoming a Chartered Psychologist.

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**TERMS 1 AND 2**

**Courses**

Three introductory courses are taken from:
- Psychology
- Philosophy
- Linguistics
- Neurophysiology
- Probability theory and statistics

**Assessment**

First University examinations: Three written papers

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**TERMS 3–9**

**Courses**

After the second term, students can continue to follow a bipartite degree (Psychology and Philosophy, Psychology and Linguistics, or Philosophy and Linguistics) or, exceptionally and subject to their college's approval, a tripartite degree (Psychology, Philosophy and Linguistics).

Students choosing Psychology will study a choice of core subjects in terms 3–5, plus a course in Experimental design and statistics, followed by one, two or three advanced Psychology options in terms 6–8.

A full list of current options is available on the course website (see above).

Students choosing Philosophy take from three to five courses in Philosophy, from a wide range including Philosophy of mind and Philosophy of cognitive science. For details see www.philosophy.ox.ac.uk/undergraduate/courses.

Students choosing Linguistics take from three to five courses in Linguistics. For further details, see the Paper A and Paper B options at www.ling-phil.ox.ac.uk/fhs-ppl.

Students opting for a bipartite degree may take a single paper in the third subject. Students who are exceptionally permitted to take the tripartite degree must take at least two courses in each of the three subjects of Psychology, Philosophy and Linguistics.

**Assessment**

Final University examinations: Eight papers, two practical portfolios (for Psychology), a research project or thesis may also be taken (depending upon the combination of courses)

Students choosing Psychology take the equivalent of two written papers in Psychology in the second year based on the core subject areas (see Experimental Psychology, page 134).
The course in Religion and Oriental Studies enables you to learn in depth about a number of the world’s great religious traditions including Christianity, Buddhism, Hinduism, Islam and Judaism. To engage with all the different aspects of the course, you have to be something of a historian and a philosopher, a textual and literary critic and a linguist. These disciplines together, not only enable students to appreciate the qualities of religions that can be radically different from those in Western societies, but also equip graduates to embark on a wide range of careers.

This degree offers the opportunity to study the major world religions and their primary languages. Students can also explore the relationship between religions and science, and the place of religious ethics in public life. Religion and Oriental Studies provides an understanding of the intellectual underpinning of religious traditions, and of the social and cultural contexts for religious belief and practice.

The Theology and Religion and Oriental Studies Faculties have between them more than 270 members, ranging from experts in the ancient languages and literature of the world’s religions to church historians and systematic theologians. Their reputations, together with excellent library facilities, attract scholars from all over the world.

A typical weekly timetable
Work is divided between tutorials (usually one or two a week), lectures (up to six a week) and language classes (at least three a week in the first year). A large part of your week will be spent in independent study to prepare for tutorials.

What are tutors looking for?
Admissions tutors will be keen to find out about your linguistic aptitude and your commitment to a wide-ranging course. They will be looking for an ability to think clearly, form sound arguments and to listen and respond to counterarguments.

For information about the selection criteria please see: ox.ac.uk/criteria.

FROM A RELOS STUDENT

Religion and Oriental Studies is a rewarding subject if you like the combination of essay writing and language learning. You have the option to choose a broad range of topics offered by the Theology and Religion Faculty from history of early Christianity to mysticism to psychology of religion, while the Oriental Studies Department provides you with a thorough learning of the religious language of your choice. For me, this is Sanskrit, for which I have five hours of tuition every week. I balance this with modules from Religion: Nature of religion and the Gospels and Jesus to name a few. The tutors also offer the chance to let you specialise in a topic of your own interest by offering tailored supervision for your dissertation. This can also be multi-disciplinary as you have two faculties to explore your interests.
**RELOS CAREERS**

Oxford graduates in Religion and Oriental Studies can expect to go on to careers as diverse as the law, social work, the media, journalism, publishing, banking, management consultancy, accountancy, personnel management, teaching, the police force and the arts. Employers look very favourably on applicants who have learned oriental languages and Oxford graduates with such skills are among the most successful each year in finding employment.

See [www.theology.ox.ac.uk](http://www.theology.ox.ac.uk) for further information about careers for theologians.

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**MORE ABOUT**

Requirements and applying:
[ox.ac.uk/ugrelos](http://ox.ac.uk/ugrelos)

2018 Open Days:
27 and 28 June and 14 September
[ox.ac.uk/opendays](http://ox.ac.uk/opendays)

Oriental Studies Open Day:
28 April 2018 – booking required
[https://orinst.web.ox.ac.uk/article/open-days](https://orinst.web.ox.ac.uk/article/open-days)

Course details:
[www.theology.ox.ac.uk](http://www.theology.ox.ac.uk)
+44 (0) 1865 270790
[general.administrator@theology.ox.ac.uk](mailto:general.administrator@theology.ox.ac.uk)

[www.orinst.ox.ac.uk](http://www.orinst.ox.ac.uk)
+44 (0) 1865 278312
[undergraduate.admissions@orinst.ox.ac.uk](mailto:undergraduate.admissions@orinst.ox.ac.uk)

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**TERMS 1–3**

**Courses**
- Religion and religions
- One of the following languages:
  - Greek
  - Hebrew
  - Arabic
  - Tibetan
  - Pali
  - Sanskrit
  which have three assessment components each

**Assessment**
First University examinations:
Four papers assessed by written and (depending on the option) oral examination.

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**TERMS 4–9**

**Courses**
Students specialise in the study of a religion (Buddhism, Christianity, Hinduism, Islam or Judaism), particularly through the study of its texts in their original languages. Students take seven papers, three in Oriental Studies and three in Religion; the seventh may be chosen from either Oriental Studies or Religion. In addition, all students must prepare a 12,000-word thesis on a topic of their choice, which may be chosen from either Oriental Studies or Religion.

**Assessment**
Final University examinations: Seven papers (assessed either by written examination or by submitted coursework, depending upon the option), plus a thesis.
Theology and Religion BA 3 years

Theology is an ancient intellectual discipline, with continuing and momentous social significance around the world today. Students gain an understanding of the intellectual underpinning of religious traditions, and of the social and cultural contexts for religious belief and practice. In order to engage fully with the questions raised by the critical study of Theology and Religion you will be required to become something of a historian and a philosopher, a textual and literary critic, and a linguist. The ability to employ these disciplines effectively will not only make you a scholar of religion but equip you to embark on a wide range of careers.

Oxford has been at the very heart of religious debate, reform and turmoil in the British Isles for eight centuries and so the faculty here wears a mantle of history not available in most other universities. At the same time Theology and Religion at Oxford is embracing wholeheartedly the challenges of the 21st century with the opportunity to study five major world religions and their primary languages. Students can also explore the relationship between religion and science and the place of religious ethics in public life.

The Faculty of Theology and Religion has more than 100 members ranging from experts in the ancient languages and literature of the world’s religions to church historians and systematic theologians. Its reputation and excellent library facilities attract scholars from all over the world as visiting lecturers.

A typical weekly timetable
Work is divided between tutorials (usually one or two a week), lectures (up to six a week) and language classes (usually three a week) in the first year. A large part of your week will be spent in independent study to prepare for tutorials.

What are tutors looking for?
Tutors consider your whole application very carefully. They look for evidence of an excellent academic record, for example in GCSE or other examination results. Your submitted work should demonstrate your ability to construct an argument and to communicate your ideas in clear written English. Your personal statement should focus on your academic reasons for wishing to study Theology and Religion; references should comment primarily on academic performance.

In interviews, tutors will look for your ability to think clearly, form sound arguments and to listen and respond to counterarguments; your openness to learning; evidence of your enthusiasm and motivation for the course; and your oral communication skills.

For information about the selection criteria please see: ox.ac.uk/criteria.
While some Theology and Religion graduates go on to further academic study, other recent graduates have pursued careers in the law, the Civil Service, social work, education, the media, publishing, banking, management consultancy, accountancy, personnel management, teaching, the police force and the churches. See www.theology.ox.ac.uk for more information about careers after a Theology and Religion degree.

Rob says of his work as a manager in Accenture: ‘People are always surprised when I tell them what my degree was! However, it really helped shape my analytical skills through the tutorial system. The breadth of subject matter in Theology prepared me for the different subjects I encounter each day as a management consultant.’

THEOLOGY CAREERS

MORE ABOUT

Requirements and applying:

ox.ac.uk/ugtheology

2018 Open Days:

27 and 28 June and 14 September

ox.ac.uk/opendays

Course details:

www.theology.ox.ac.uk

+44 (0) 1865 270790
general.administrator@theology.ox.ac.uk

Which colleges offer this course? See page 144

TERMS 1–3

Courses

Four papers are taken:

• Religion and religions
• Introduction to the study of the Bible
• The figure of Jesus through the centuries
• One of the following languages:
  New Testament Greek
  Biblical Hebrew
  Qur’anic Arabic
  Church Latin
  Pali
  Sanskrit

The options listed above are illustrative and may change. More information about current options is available on the course website (details above).

Assessment

First University examinations: Four papers each assessed by a written examination.

TERMS 4–9

Courses

Choice of seven papers across four subject areas, from which students select freely

• Biblical studies
• Systematic theology and ethics
• History of religions (Buddhism, Christianity, Hinduism, Islam and Judaism)
• Religion and religions (Contemporary Buddhism, Hinduism, Islam and Judaism)

All students must also prepare a 12,000-word thesis on a topic of their choice

Assessment

Final University examinations: Seven papers (assessed either by written examination or by submitted coursework, depending upon the option), plus a compulsory thesis

FROM A T&R STUDENT

The Oxford tutorial system is thoroughly enjoyable and engaging because it challenges you to defend and develop your views on a whole range of topics and authors. Being able to talk to some of the leading academics in the world really encourages you to reflect on your own thinking and writing. Theology incorporates such a broad range of skills that are transferable to many different situations, from literary-critical to historical-critical to evaluative skills. The subject gives you great potential for academic and personal development. GEMMA

TOP-RATED THEOLOGY DEPARTMENT IN THE UK AND EUROPE

and second in the world in the 2017 QS World University rankings, by subject.