Gain exemptions from professional accounting exams on our accredited courses, and benefit from our links with major employers in Bristol’s thriving financial services industry.

Why study accounting and finance at Bristol?
As one of the UK’s leading schools for research in accounting and finance,* we produce high-quality graduates with strong quantitative skills and a global outlook.

Our professionally accredited degrees are informed by research and professional practice, combining theoretical education with an understanding of how to tackle the many challenges faced by organisations today.

We provide a rigorous training in accounting and finance but we also offer a wide range of optional units across finance, accounting and management enabling you to tailor your degree to reflect your career ambitions. We offer fully integrated degrees in accounting and finance, accounting and management, and economics and accounting.

The school is friendly and supportive, yet large enough to offer an international experience. As one of the UK’s major centres for financial services, Bristol offers plenty of opportunities for those wanting to work in the sector. We have strong links with accounting and consultancy firms who support our students with careers guidance, mentoring and professional skills development. Our graduates have strong employment prospects, with a significant proportion entering graduate careers in accounting, finance and consulting industries within six months of graduation.

For more information about our courses visit bristol.ac.uk/ug20-accounting.

*B The Department of Management and Department of Accounting and Finance were together ranked sixth in the UK for research impact in analysis of REF 2014 by Times Higher Education.

**BSc Accounting and Finance**

A-levels AAA or A*AB (ABB†) IB 36 (32†)

You will study topics such as asset pricing, corporate finance, financial reporting, auditing, management accounting and taxation. In the first year you will gain skills across the core disciplines of accounting, economics, finance and mathematics.

In your second and final years you will learn more advanced theory and techniques and study financial accounting, management accounting and finance in more depth.

We will teach you how to analyse data from quantitative models, and you will choose several options from a range of units, some of which may contribute to exemptions from professional examinations.

**BSc Accounting and Finance with Professional Placement**

A-levels AAA or A*AB (ABB†) IB 36 (32†)

This four-year course involves three years of study at the University of Bristol plus a professional placement in your third year. Your placement will be in a financial environment, perhaps in an accounting firm or the finance team of an organisation in another industry or the not-for-profit sector.

The placement year will enhance your understanding of the areas of accounting and finance encountered in your studies. You will also develop an understanding of how an organisation operates and learn to take on responsibility within a team. During the placement you will have the opportunity to complete the first stage of the professional accounting examinations of the Institute of Chartered Accountants in England and Wales (ICAEW), with some exemptions from exams already available on the basis of the modules studied during the first two years of your degree.

This course is available by transfer; you should apply to BSc Accounting and Finance and register your interest to add a professional placement once you have joined us. Placement opportunities are based on first-year examination results and a successful application to a participating employer.

**BSc Accounting and Finance with Study Abroad**

A-levels AAA or A*AB (ABB†) IB 36 (32†)

This degree extends our three-year BSc course to four years, with your third year spent studying accounting and finance in English at a university abroad, before returning to Bristol for your final year. The course combines the challenging, broad academic content of all our accounting degrees with an overseas dimension that reflects the international nature of modern business.

You will apply to BSc Accounting and Finance initially and transfer. Places are allocated depending on first-year examination results.
**BSc Accounting and Finance with Study in Continental Europe**

**A-levels** AAA or A*AB (ABB) IB 36 (32)

On this four-year course you will spend your third year abroad at one of our partner universities. You will study the relevant language during years one and two before spending your third year studying accounting and finance in the host language of a partner university in France, Germany, Italy or Spain.

**BSc Accounting and Management / BSc Accounting and Management with Study Abroad**

**A-levels** AAA or A*AB (ABB) IB 36 (32)

This professionally accredited programme equips you with the attributes to pursue a wide range of accounting, consulting and managerial career paths. It aims to equip you, as a future organisational decision maker, with the ability to interpret, assess and communicate financial and non-financial data.

Through study of the core units you will develop sound knowledge and understanding of accounting practices, financial management techniques and contemporary theories and practices of management and organisational behaviour. Beyond the core units you will have opportunities to specialise, choosing from an evolving range of units, for example Taxation, Corporate Social Responsibility and Sustainability, Project Management, and International Human Resource Management. The course will allow you to sharpen your ability to think critically and question received information. You will also develop the key interpersonal skills needed for success in your professional career.

You can apply to transfer to our four-year Study Abroad course for the opportunity to spend your third year studying in English at one of our partner institutions overseas.

**BSc Economics and Accounting / BSc Economics and Accounting with Study Abroad**

**A-levels** AAA or A*AB (ABB) IB 36 (32)

This integrated degree allows you to study economics and accounting to a high level.

The first two years contain mandatory units that will provide a solid grounding in both disciplines. You can choose one optional unit in each of those years but the content is otherwise fixed to ensure that you have a robust depth of understanding. This will help you when selecting from a wide range of units in the final year.

One third of the final year is made up of two compulsory units: Advanced Financial Reporting and Management Accounting for Strategy. For the remaining two thirds you will choose from a range of options which must include at least two economics units.

Previously, economics unit choices have included Behavioural Economics and International Economics, while accounting and finance units have included Auditing, Financial Crises and Financial Markets.

You can apply to transfer to the Study Abroad course and gain an added dimension to your learning by spending your third year studying in English at one of our partner institutions overseas.

**New course for 2020**

**BSc Finance**

This course will be open for 2020 entry subject to academic approval.

bristol.ac.uk/accounting
Aerospace Engineering

Our department has exceptional industry links, including BAE Systems, GKN and Rolls-Royce, and 95 per cent student satisfaction in the National Student Survey 2018.

Why study aerospace engineering at Bristol?
Our courses combine theory with practical experience in a wide range of technical subjects. You will be taught by expert staff in a faculty whose research was rated world-leading and internationally excellent in REF 2014* and you will gain a comprehensive understanding of structural mechanics, aerodynamics, propulsion and control systems.

In the major group design project you will work on the concept for a new commercial aircraft and present your design to aerospace companies such as Airbus and Leonardo for assessment. Your research project allows you to tackle a problem in detail, such as the automated landing of an unmanned air vehicle or design of a potential space mission.

Our links to industry and our Royal Aeronautical Society accreditation ensure that our graduates are highly regarded in the commercial sector. Our Industrial Liaison Office arranges company engagement from the first year and industry participation, drawing on the many aerospace companies in the region, continues throughout the course. Many graduates enter careers in other high-technology sectors, such as Formula 1, wind and marine power generation and defence contracting, while others go into further research.

For more information about our courses visit bristol.ac.uk/ug20-aero.

BEng/MEng Aerospace Engineering

A-levels A*A* (AAB*) IB 38 (34*)

This course covers a broad range of subjects organised into three streams: aerodynamics; dynamics and control; and structures and materials. The first two years are devoted to core concepts, taught via lectures and backed up by practical experience through coursework and lab work. You will learn computing, systems engineering and design, and there is extensive mathematical content throughout. In years three and four (MEng) there is greater flexibility to pursue options. Some units relate to particular application areas, such as helicopter aerodynamics, space systems or wind power. Others study particular technologies, such as composites analysis, experimental aerodynamics or multidisciplinary design.

MEng Aerospace Engineering with Study Abroad

A-levels A*AA (AAB*) IB 38 (34*)

The Study Abroad course provides the opportunity to spend your third year at an English-speaking university overseas. There is no direct entry but you can transfer if you reach a high academic standard in your first two years. For Study in Continental Europe you will take language options in years one and two and study in Europe in year three. With either option your study overseas will mirror the third-year curriculum at Bristol.

MEng Aerospace Engineering with a Year in Industry

A-levels A*A* (AAB*) IB 38 (34*)

This course offers the opportunity to apply the knowledge you gained in the first two years within an industrial environment. Entry is via transfer if you reach a high academic standard and are successful at interview with industry.

Academic entry requirements
The University recognises a wide range of UK and international qualifications for admission; for further details please see p44

Typical standard offer for BEng/MEng Aerospace Engineering
A-levels A*A* (AAB*)
IB 38 (34*)

This course covers a broad range of subjects organised into three streams: aerodynamics; dynamics and control; and structures and materials. The first two years are devoted to core concepts, taught via lectures and backed up by practical experience through coursework and lab work. You will learn computing, systems engineering and design, and there is extensive mathematical content throughout. In years three and four (MEng) there is greater flexibility to pursue options. Some units relate to particular application areas, such as helicopter aerodynamics, space systems or wind power. Others study particular technologies, such as composites analysis, experimental aerodynamics or multidisciplinary design.

MEng Aerospace Engineering with Study Abroad

A-levels A*AA (AAB*) IB 38 (34*)

The Study Abroad course provides the opportunity to spend your third year at an English-speaking university overseas. There is no direct entry but you can transfer if you reach a high academic standard in your first two years.

For Study in Continental Europe you will take language options in years one and two and study in Europe in year three. With either option your study overseas will mirror the third-year curriculum at Bristol.

MEng Aerospace Engineering with a Year in Industry

A-levels A*AA (AAB*) IB 38 (34*)

This course offers the opportunity to apply the knowledge you gained in the first two years within an industrial environment. Entry is via transfer if you reach a high academic standard and are successful at interview with industry.

Accreditation (all Aerospace courses except MEng with a Year in Industry)
Ancient History

Our internationally renowned department teaches many specialist areas of Greco-Roman history and civilisation, covering a broad chronological range – from the archaeology of bronze age Greece to the religions of the later Roman empire.

Why study ancient history at Bristol?
Just a few miles from the World Heritage Site that was once Roman Aquae Sulis in Bath, Bristol is the ideal place to study ancient history. Our course is designed to provide you with a broad knowledge of the politics, economy and societies of the ancient Greeks and Romans. It aims to equip you with the skills necessary to locate, decipher and evaluate a range of historical sources and to develop a sophisticated understanding of historical theory.

You have the flexibility to combine core units on Greco-Roman culture with more specialised topics, units on the reception of Greece and Rome, or ancient languages.

Teaching methods include lectures, small-group seminars, personal consultations and a guided research project, enabling you to develop valuable skills in formal and informal writing, impromptu discussion and oral presentation. Our teaching also provides you with a basis for thinking about the economy, politics and culture of other periods and of modernity.

The interdisciplinary study of ancient history develops critical thinking, persuasive writing and clear self expression, skills that are transferable to a wide range of careers. Our graduates are highly employable and have found positions in research, administration, media, museums, art galleries, heritage management and the civil service. A significant number go on to postgraduate study.

For more information about our course visit bristol.ac.uk/ug20-ancienthistory.

BA Ancient History
A-levels AAB (BBB†) IB 34 (31†)

Ancient History at Bristol gives you the flexibility to combine core units on Greco-Roman culture with more specialised topics. In the first two years you will take core units exploring the ancient Greek and Roman world, the sources of information available and the different approaches employed by modern scholars. You will also choose optional units on topics such as ancient language, literature, philosophy, art, and political, social or cultural history. There is the possibility of studying abroad in the second year.

In your third year you will choose units from a range of special subject seminars based on our academics’ wide range of research interests. Working with a supervisor, you will research and write a dissertation on a topic of your choice. You will also take the Applied Classics unit and plan, market and execute a project aimed at presenting the ancient world to the wider public, with a member of staff acting as adviser.

Single Honours

BA Ancient History 3 years V110

Academic entry requirements
The University recognises a wide range of UK and international qualifications for admission; for further details please see p44

Typical standard offer for BA Ancient History
A-levels AAB
IB Diploma 34 points overall with 17 at Higher Level

Typical contextual offer† for BA Ancient History
A-levels BBB
IB Diploma 31 points overall with 15 at Higher Level

Other requirements
Part-time study available over six years with daytime, weekday teaching

English language profile B (see p44)

†Contextual offer; see p42
‘I came to Bristol not knowing what to expect about the University. I instantly made friends who showed me around. The way they talked about it and what I saw that day made the decision for me. Bristol has my heart; this city is like no other.’

Arooba (BSc Cancer Biology and Immunology)
At Bristol we are proud to be the only university in Britain teaching the four fields of archaeology, social anthropology, evolutionary anthropology and linguistic anthropology.

Why study anthropology and archaeology at Bristol?
Our courses encompass a cross-cultural study of humanity, society, communication and diversity, past and present. Our department is at the heart of the campus and we have our own lecture theatres, seminar rooms, computing facilities and scientific laboratories. We also house a radiocarbon accelerator, one of only five in Britain.

Our research-led teaching has four broad perspectives: global reach, relevant interests, collaborative work and analytical skills. Our archaeologists and anthropologists study inequality and adversity, cultural diversity, the developing world, globalisation and adaptation. Our work spans ancient to contemporary societies in far-flung places and closer to home. In our research and teaching we emphasise collaboration with other disciplines, such as psychology, religion and theology, and chemistry.

Our degrees equip you with a wide range of transferable skills, including cross-cultural understanding, intellectual versatility, excellent written and oral communication skills, critical analysis, independent thought and self-directed learning. All our students undertake fieldwork as well as training in scientific analysis and dealing with data. Some students will take this much further through advanced laboratory techniques or computational analysis of cross-cultural data, a sought-after skill.

For more information about our courses visit bristol.ac.uk/ug20-archanth.

BA Anthropology
A-levels AAB (BBB†) IB 34 (31†)
This course teaches you the fundamentals of anthropology – the comparative study of human diversity. Social and linguistic anthropology explore how humans make and view their worlds, drawing on ethnographic studies of society, culture and language from around the world. Evolutionary anthropology includes the study of human evolution, primates and biological and behavioural human diversity.

Developing your knowledge of the variety and evolution of human customs, social organisation and behaviour, you will learn to apply theories and research techniques used across the discipline. You will receive training in both qualitative and quantitative methodologies and in descriptive, analytic and project management techniques.

To develop your skills you will undertake fieldwork in communities in Bristol and further afield. In year three you will work closely with a member of staff to write a dissertation on an original topic of your choice.

BA Archaeology and Anthropology
A-levels AAB (BBB†) IB 34 (31†)
This course provides a broad training in the major theories, methods and practices in archaeology and anthropology. It will take you from our earliest human ancestors to complex societies, from Bristol to the South Pacific.

You will learn critical skills in archaeological and anthropological methods, analysis and interpretation. You will also have the opportunity for excavation and anthropological fieldwork.

Year one introduces the fundamental theories of the two disciplines, while years two and three allow for greater specialisation in skills, regional foci and current debates. In year three you will write a dissertation and produce your own original research.
Applied Anatomy

The Centre for Applied Anatomy at Bristol brings together clinical expertise across multiple disciplines in a purpose-built facility, providing a unique learning experience for aspiring anatomists.

Why study applied anatomy at Bristol?
The Centre for Applied Anatomy is notable for providing anatomy training for medical, dental and veterinary science undergraduates together in one facility. The expertise of teaching staff and wealth of varied resources across these subject specialties offers a learning experience unique to Bristol.

Applied anatomy examines structure-function relationships in the context of related subjects, such as diagnostic imaging, anatomical pathology and sports medicine. During your studies you will develop a clear, three-dimensional, internal model of the anatomy of the human and animal body. Practical-based teaching including dissection is a large component of the course. Other material is delivered by lectures, seminars, group discussion and occasional demonstrations. Throughout the course the personal and professional enrichment theme will help you develop transferable skills for the workplace.

With its emphasis on applied learning and professional development, BSc Applied Anatomy is designed to appeal to employers. The initial, broad basis of the degree and later specialisation will equip you for a wide variety of careers. Our course offers the perfect opportunity for aspiring scientists, academics, researchers, educators and those wanting to go into postgraduate professional programmes.

Our graduates will have a variety of skills sought after by employers such as scientific writing, written and oral communication, group work, problem solving and research techniques. Some of our graduates have gone on to further training (PhD, MSc) to become research scientists or educators, while others work within research institutes, government departments and the National Health Service. Life scientists can also contribute to the public understanding of science as journalists or as information and liaison officers. Anatomy is a popular route to postgraduate medicine, dentistry or veterinary medicine programmes.

For more information about our course visit bristol.ac.uk/ug20-anatomy.

BSc Applied Anatomy
A-levels ABB (BBC†) IB 32 (29†)

Year one introduces the principles of comparative anatomy and the structure of the major mammalian body systems. Teaching involves dissection and study of human and animal prosected cadaveric specimens.

Year two covers detailed medical and veterinary anatomy and allows you to specialise in medical or veterinary anatomy by dissection. Units in the second year emphasise clinical relevance and application throughout.

In year three you will follow a seminar-based course in which you will be actively involved in expert-led discussion of the latest anatomical research. The key focus of this year is an original research project which can be laboratory-based scientific study, clinically related anatomical investigation or anatomically themed educational research. You are encouraged to select a project aligned to your future ambitions and to take a leading role in its direction. Our course in experimental design and statistics will give you all the tools you need to complete your project.

A personal and professional development theme runs through the degree course and equips you with essential transferable skills for future employment.

bristol.ac.uk/anatomy

Single Honours

BSc Applied Anatomy 3 years B112

Academic entry requirements

The University recognises a wide range of UK and international qualifications for admission; for further details please see p44

Typical standard offer for BSc Applied Anatomy
A-levels ABB including two science-related subjects (see p44)
IB Diploma 32 points overall with 16 at Higher Level, including 5 at Higher Level in two science-related subjects (see p44)

Typical contextual offer† for BSc Applied Anatomy
A-levels BBC including BB in two science-related subjects (see p44)
IB Diploma 29 points overall with 14 at Higher Level, including 5 at Higher Level in two science-related subjects (see p44)

Other requirements

GCSE Standard numeracy requirement (4 or C in GCSE Mathematics or equivalent) and standard literacy requirement (4 or C in GCSE English or equivalent)

English language profile E (see p44)

†Contextual offer; see p42
The Foundation in Arts and Social Sciences (CertHE) is a one-year introductory course that is designed to prepare students for an undergraduate degree in either the arts or social sciences. You do not need to have any prior qualifications to apply.

Why study Foundation in Arts and Social Sciences?

Do you want to study for a degree but worry that you don’t have the qualifications needed to apply? Have you had an unconventional path in (and out of) education? Are you interested in the arts and social sciences but unsure of what subject you would like to study?

If you answered ‘yes’ to any of these questions, this innovative course could be for you. It will help you develop the skills and confidence to progress to an undergraduate degree, with the opportunity to find out more about subjects in the arts and social sciences.

The course is taught by experts from a wide range of subjects including archaeology and anthropology, classics, English, history, history of art, modern languages, philosophy, film and theatre, religion and theology, sociology, politics and international relations, education, law, social policy, childhood studies, criminology, economics, finance and management.

On satisfactory completion of the Foundation programme you can progress to an undergraduate degree in the Faculty of Arts or the Faculty of Social Sciences and Law. We cannot guarantee progression to your first choice of degree, but where this is not possible we will do our best to offer a suitable alternative.

The course leads to a Certificate in Higher Education that can also be used to apply for relevant degrees at other institutions or for personal or professional development.

For more information about our course visit [bristol.ac.uk/ug20-FYASS](http://bristol.ac.uk/ug20-FYASS).
Immerse yourself in groundbreaking research joining leading scientists on work that could have a significant impact on future generations.

Why study biochemistry at Bristol?
Our school has an outstanding international reputation for the quality of our teaching and we score highly in student surveys.* Teaching is delivered through lectures and small-group tutorials and we will provide you with thorough training in experimental techniques in our teaching laboratories.

Your personal tutor will provide support throughout your degree and our online resources will help you get the most out of your laboratory sessions. We offer summer studentships and dedicated, subject-specific employability and enterprise sessions.

In the final year of all courses you can choose to undertake a practical research project in which you can collaborate with world-leading scientists on pioneering research work.

Our graduates forge careers in a broad range of scientific disciplines, as well as non-scientific professions such as teaching, law and finance. You may be employed in the pharmaceutical or biotechnology industries, or in a medical or agricultural research establishment. Biochemists are also employed in the scientific and medical publishing sector and as patent examiners.

Among graduates from our BSc courses in 2017 (our most recent data), 44 per cent were pursuing further study six months after graduation, including higher degrees in biochemistry and related sciences such as human biology.

For more information about our courses visit bristol.ac.uk/ug20-biochem.

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BSc/MSci Biochemistry

A-levels AAA or A*AB (AAC† or ABB†)
IB 36 (32†)

The first two years of these courses are identical. In the first year you will receive a thorough foundation in biochemistry and will select from a wide choice of options, including anatomy, pathology, microbiology, pharmacology and physiology.

Your second year combines biochemistry and molecular genetics with a choice of units covering topics such as neurophysiology, infection and immunity, mathematics and languages. We focus on developing practical and research skills throughout the first two years.

BSc students will select from a choice of advanced options in biochemistry in the third year and undertake a research project in collaboration with internationally renowned scientists.

MSci students will complete advanced laboratory skills training in year three, before embarking on an individual research project of up to 16 weeks in year four under the supervision of one of our research group leaders. You will complete your studies by choosing two advanced options, which could include Synthetic Biology, Cell Biology of Development and Disease, and Protein Assemblies and Molecular Machines.

BSc/MSci Biochemistry with Medical Biochemistry

A-levels AAA or A*AB (AAC† or ABB†)
IB 36 (32†)

These degrees follow a similar structure to BSc/MSci Biochemistry. Alongside the mandatory biochemistry components, you will select from a range of units relevant to medicine, allowing you to choose your specialism while developing your knowledge and research skills. Topics include pharmacology, physiology, infection and immunity, and molecular pathology.

In addition to the core lectures and project work in your third year, you have the opportunity to study medically relevant aspects of biochemistry, such as those relating to cancer, cardiovascular disease and drug design. MSci students will carry out an extended laboratory project in a relevant research area in the fourth year. You will also study Cell Biology of Development and Disease alongside a choice of either Synthetic Biology or Protein Assemblies and Molecular Machines.

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*The School of Biochemistry received over 90 per cent overall satisfaction in the National Student Survey 2018.
BSc/MSci Biochemistry with Molecular Biology and Biotechnology

**A-levels** AAA or A*AB (AAC⁺ or ABB⁺)
**IB** 36 (32⁺)

These degrees follow a similar structure to the biochemistry courses but with a choice of options that allow you to develop your knowledge and research skills in topics relevant to molecular biology and biotechnology.

In your first two years you will supplement your study of biochemistry with molecular biology and biotechnology units. Recent options have included Fundamentals of Molecular Microbiology, Disease and Defence, and Infection and Immunity. In addition to the core lectures and project work in your third year you have the opportunity to study specialist, cutting-edge aspects of biochemistry, such as synthetic biology, DNA-protein interactions, and protein science in therapy and technology.

As an MSci student you will carry out an extended laboratory project in your fourth year in a relevant research area. You will also study Synthetic Biology alongside a choice of either Cell Biology of Development and Disease or Protein Assemblies and Molecular Machines.

BSc Biochemistry with Study in Industry

**A-levels** AAA or A*AB (AAC⁺ or ABB⁺)
**IB** 36 (32⁺)

You can enter our four-year BSc Biochemistry with Study in Industry degree by transferring from any of our BSc Biochemistry courses following a selection process at the start of your second year. You will gain experience as an employee in an external research laboratory in year three before rejoining the final year of your degree.

At the end of your placement you will write a report outlining the research you have undertaken, which will be assessed as part of your degree. Our students find placements within the pharmaceutical and biotechnology sectors in the UK and at research institutes in the UK and overseas.

Single Honours

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<thead>
<tr>
<th>Course</th>
<th>Duration</th>
<th>Code</th>
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<tbody>
<tr>
<td>BSc Biochemistry</td>
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<td>C700</td>
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<tr>
<td>BSc Biochemistry with Medical Biochemistry</td>
<td>3 years</td>
<td>C720</td>
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<tr>
<td>BSc Biochemistry with Molecular Biology and Biotechnology</td>
<td>3 years</td>
<td>C790</td>
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<td>BSc Biochemistry with Study in Industry</td>
<td>4 years</td>
<td>C790</td>
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<td>MSci Biochemistry</td>
<td>4 years</td>
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<tr>
<td>MSci Biochemistry with Molecular Biology and Biotechnology</td>
<td>4 years</td>
<td>C791</td>
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*Entry by transfer from C700, C720 or C790

Academic entry requirements

The University recognises a wide range of UK and international qualifications for admission; for further details please see p44

**Typical standard offer for BSc Biochemistry**

**A-levels** AAA including Chemistry and another core science/mathematics subject, or A*AB including A in Chemistry and B in another core science/mathematics subject (see p44)

**IB Diploma** 36 points overall with 18 at Higher Level, including 6 at Higher Level in Chemistry and 5 at Higher Level in another core science/mathematics subject (see p44)

**Typical contextual offer¹ for BSc Biochemistry**

**A-levels** AAC including AA in Chemistry and another core science/mathematics subject, or ABB including A in Chemistry and B in another core science/mathematics subject (see p44)

**IB Diploma** 32 points overall with 16 at Higher Level, including 6 at Higher Level in Chemistry and 5 at Higher Level in another core science/mathematics subject (see p44)

**Other requirements**

**English language profile** E (see p44)

¹Contextual offer; see p42

bristol.ac.uk/biochemistry
From managing natural resources to ensuring global food security, biologists will be vital for our planet in the 21st century. The school is based in the iconic Life Sciences Building, one of the UK's leading biology facilities.

Why study biological sciences at Bristol?
Biologists of the future will need broad training to tackle the scientific challenges facing humanity. We have strong links with other schools: palaeontologists and climate scientists in the School of Earth Sciences, molecular biologists in Biochemistry, and those studying human behaviour in the School of Psychological Science.

Our facilities in the state-of-the-art Life Sciences Building are outstanding and our lecturers are top researchers in their fields (bristol.ac.uk/biology/research). We equip you with the skills to apply rigorous and logical interdisciplinary thinking to biological questions. The first part of your course provides you with the fundamentals of advanced biology. Your second and third years give you more choice in the areas you wish to pursue and allow you to undertake your own research. You can transfer between the Zoology, Plant Sciences and Biology degrees at the end of year one.

Recent graduates have progressed to higher degrees (MSc or PhD) or progressed directly into employment in biological research, government agencies, conservation and wildlife management, the biotech industry, agro-industry, pharmaceuticals, zoos, museums, environmental consultancy, teaching and higher education. Our degrees give you broad employment options beyond biology and you will be valued by employers outside of science as a numerate graduate with good analytical, problem-solving and communication skills.

For more information about our courses visit bristol.ac.uk/ug20-biology.

bristol.ac.uk/biology
MSci Zoology
A-levels AAB (ABB†) IB 36 (32†)

Our MSci Zoology is recommended for students with ambitions to continue in zoological research who want extra experience and a competitive edge in applying for PhDs or research jobs.

Modern zoology is interdisciplinary, so our degree explores all aspects of animal biology, from the molecular to the ecological. The first three years are the same as the BSc course, beginning broadly before introducing more choice to pursue your interests from year two onwards. You will have the opportunity to tailor your studies to your interests, including a week-long field or laboratory-based course selected from a range of subject areas, plus a practical research project. The fourth year offers advanced skills training and a substantial research project, which is especially valuable for those who want to pursue a career in zoology.

MSci Plant Sciences
A-levels AAA (ABB†) IB 36 (32†)

These degrees explore the full range of plant biology, from enzymes through to ecosystems. During your study you will gain knowledge of the diversity, evolution and function of plants and of the latest developments in functional genomics, bioinformatics, plant developmental biology, plant pathology, parasite biology, cell signalling, pollination biology, ecology, plant conservation and systems biology.

The degree will start broadly and then introduce more choice in years two and three, including a week-long field or laboratory-based course, along with a ten-week practical research project.

The University Botanic Garden is nearby. It was the first new university botanic garden to be built for 40 years and contains more than 4,500 plant species.

The MSci is particularly suitable for students who are planning to continue in plant science research and would like extra experience and a competitive edge when applying for PhDs or research jobs.

BSc Plant Sciences
A-levels AAB (BBB†) IB 34 (31†)

MSci Zoology
A-levels AAA (ABB†) IB 36 (32†)

BSc Biology 3 years C100
BSc Plant Sciences 3 years C201
BSc Zoology 3 years C300
MSci Biology 4 years C103
MSci Plant Sciences 4 years C203
MSci Zoology 4 years C303

Academic entry requirements
The University recognises a wide range of UK and international qualifications for admission; for further details please see p44

Typical standard offer for BSc Biology
A-levels AAB including two science-related subjects (see p44)
IB Diploma 34 points overall with 17 at Higher Level, including 6, 5 at Higher Level in two science-related subjects (see p44)

Typical contextual offer† for BSc Biology
A-levels BBB including two science-related subjects (see p44)
IB Diploma 31 points overall with 15 at Higher Level, including 5, 5 at Higher Level in two science-related subjects (see p44)

Other requirements
English language profile E (see p44)

†Contextual offer; see p42
'I have developed an understanding of the interplay between many different processes, and gained insight into some of the big biological problems facing the scientific community. Studying biology at Bristol has left me with more questions than I arrived with, but in doing so has equipped me with the skills and knowledge needed to go out and tackle them.'

**Monica** (MSci Biology)
Biomedical Sciences

With teaching by internationally recognised experts and access to outstanding facilities, at Bristol you will learn at the cutting edge of biomedical sciences.

Why study biomedical sciences at Bristol?
BSc Biomedical Sciences is an exciting course that will provide you with a firm foundation in biochemistry, cell and cancer biology, genetics, immunology, microbiology, neuroscience, physiology and pharmacology. The course provides an excellent foundation for careers in biomedical sciences in academia, biotechnology, the pharmaceutical industry, or medicine.

At Bristol you will be taught by internationally renowned experts, research scientists and clinicians. Our aim is to provide you with an environment in which you learn how to think like a scientist, developing critical and analytical skills that are highly valued by employers in the field.

After a common first year, you will study molecular biology and choose from a selection of second- and third-year optional units, allowing you to follow your interests as they develop.

In the third year you will also develop research skills by engaging with a hypothesis-driven research project in the laboratory or on the computer, working on a bioinformatics project or perhaps researching scientific literature.

Our graduates have well-developed skills in data analysis and interpretation and oral and written communication. Previous graduates have gone into roles with pharmaceutical and biotech companies and in the food industry, the NHS and charities. A significant number of graduates go on to study for a master's or PhD as the next step in a research career or go on to study medicine.

For more information about our course visit bristol.ac.uk/ug20-biomedical.

BSc Biomedical Sciences
A-levels AAA (AAC or ABB) IB 36 (32)

In the first year you will study topics across the breadth of biology related to human health and disease. This will provide a broad background in biochemistry, cell and cancer biology, genetics, immunology, microbiology, neuroscience, pharmacology, physiology and virology.

As a second-year student you will study molecular genetics and a range of biomedical sciences units, allowing you to pursue your interests as they develop. You will also receive training in transferable and employability skills.

There is a strong emphasis on the development of practical skills and our bespoke online resources are available to help you prepare for practical laboratory sessions in the first and second year. You will also develop research skills to prepare you for a project in the third year.

In the final year you will choose options from a list of units that reflect our research strengths and undertake a project in a related discipline.
An internationally recognised centre for research in infection and immunology, cancer biology, stem cell biology and regenerative medicine, we are at the forefront of research that turns science into medicine.

Why study cellular and molecular medicine at Bristol?

Our cellular and molecular medicine courses are flexible, and you can transfer between them as your interests develop.

Lectures reflect the latest research, which aims to translate laboratory discoveries into clinical application. Tutorials in small groups provide opportunities to improve your communication skills and gain confidence in data handling. Laboratory sessions underpin learning during the first two years and are integrated with bespoke online resources including animations, videos and pre- and post-lab quizzes.

In your final year you will undertake a dissertation or research project, working in a group in the department or a nearby hospital. Your work may contribute to a scientific publication.

Throughout the year you will be assessed using oral presentations, essays and pre- and post-laboratory work. Your academic personal tutor will follow your progress, support your personal development planning and be available to give you advice throughout your time at Bristol.

All courses are available as four-year degrees with Study in Industry, allowing you the opportunity to gain valuable experience of cellular and molecular medicine in commercial or government research, or as an employee in a research institute. Entry to these courses is by transfer once you have secured a placement during your second year.

Many of our graduates go on to study for an MSc or PhD prior to a career in biomedical research, or go on to study medicine. Others find employment in industrial, academic or clinical laboratories or choose to apply their transferable skills in non-scientific careers.

For more information about our courses visit bristol.ac.uk/ug20-cmm.

BSc Cancer Biology and Immunology/
BSc Cancer Biology and Immunology with Study in Industry
A-levels AAB (BBB† or ABC†) IB 34 (31†)

In your first year you will develop a broad understanding of the biology of normal and cancerous cells. In addition to studying the immune system, you will take units in pathology, microbiology and biochemistry.

In your second year you will study the cellular and molecular basis of cancer and its therapy, as well as autoimmune diseases such as multiple sclerosis, diabetes and arthritis, and human cancers caused by viruses such as papilloma and hepatitis B. In addition to molecular genetics, you will choose an optional unit such as biochemistry, pharmacology or a language. All practical teaching in years one and two is supported by pre- and post-lab quizzes.

Study in Industry students spend their third year on a placement. In your final year you will choose your options from a range that reflects our research strengths and undertake a research project or dissertation.

BSc Cellular and Molecular Medicine/
BSc Cellular and Molecular Medicine with Study in Industry
A-levels AAB (BBB† or ABC†) IB 34 (31†)

In your first year you will gain a broad training in biomedical science and will begin to study the cellular and molecular basis of human diseases, as well as basic biochemistry, cell biology, pathology, immunology, microbiology and virology. In your second year you will study molecular genetics and learn skills in recombinant DNA technology, which underpins research in many cutting-edge laboratories.

Our specially designed online animations and quizzes are available to help you prepare for practical laboratory sessions in the first and second years.

In your final year you will select units from approximately ten different options. These units and your final-year research project reflect our research strengths in the areas of cancer biology, stem cell biology and regenerative medicine, and infection and immunology.

bristol.ac.uk/cellmolmed
BSc Medical Microbiology/BSc Medical Microbiology with Study in Industry

A-levels AAB (BBB* or ABC*) IB 34 (31+)

Your first year will include introductory units in microbiology and the diseases caused by microorganisms. In addition to learning about the immune system and infection, you will study pathology and biochemistry.

In your second year you will study the cellular and molecular basis of human diseases caused by microorganisms, such as shigella and tuberculosis, and viruses. As well as learning about the immune response to a variety of infectious microbes, you will investigate how bacteria acquire antibiotic resistance. Our online resources are available to help you prepare for practical laboratory sessions in the first and second year.

Study in Industry students spend the third year on a placement. In your final year you will take the three infection units on offer and a fourth unit from the optional list. You will also undertake a research project or scientific dissertation, working within the school or in one of the surrounding hospitals.

BSc Virology and Immunology/BSc Virology and Immunology with Study in Industry

A-levels AAB (BBB* or ABC*) IB 34 (31+)

You will gain a broad background in biomedical science in years one and two, learning about viruses and the diseases they cause. You will also study the immune system and how it controls infection. You will learn about the autoimmune diseases that occur if the immune system attacks the body’s own tissues.

In your final year you will review the main viral diseases of humankind in terms of their natural history, biology, molecular biology, immunology, pathogenesis and epidemiology. These include HIV, hepatitis B and C, papilloma, influenza and measles, among others. You will learn about cutting-edge issues in virology and immunology, including emerging viruses, such as the Marburg and Ebola viruses or the SARS and MERS viruses, and about the problems associated with the production of vaccines. You will work on a research project, normally in either a virology or immunology research laboratory.

Single Honours

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<thead>
<tr>
<th>Course</th>
<th>Duration</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSc Cancer Biology and Immunology</td>
<td>3 years</td>
<td>B131</td>
</tr>
<tr>
<td>BSc Cellular and Molecular Medicine</td>
<td>3 years</td>
<td>B130</td>
</tr>
<tr>
<td>BSc Medical Microbiology</td>
<td>3 years</td>
<td>C521</td>
</tr>
<tr>
<td>BSc Virology and Immunology</td>
<td>3 years</td>
<td>C540</td>
</tr>
</tbody>
</table>

Four-year courses are available with Study in Industry. Apply initially to the appropriate course and transfer after securing a placement during the second year.

Academic entry requirements

The University recognises a wide range of UK and international qualifications for admission; for further details please see p44

Typical standard offer for BSc Cellular and Molecular Medicine

A-levels AAB including Chemistry and another core science/mathematics subject (see p44)

IB Diploma 34 points overall with 17 at Higher Level, including 6, 5 (in any order) at Higher Level in Chemistry and another core science/mathematics subject (see p44)

Typical contextual offer† for BSc Cellular and Molecular Medicine

A-levels BBB including Chemistry and another core science/mathematics subject, or ABC including AB (in any order) in Chemistry and another core science/mathematics subject (see p44)

IB Diploma 31 points overall with 15 at Higher Level, including 5, 5 at Higher Level in Chemistry and another core science/mathematics subject (see p44)

Other requirements

English language profile E (see p44)

†Contextual offer; see p42
Study at the interface of two disciplines, taught jointly by two internationally renowned departments with state-of-the-art facilities.

Why study chemical physics at Bristol? Chemical physics is taught jointly by the School of Chemistry and the School of Physics. The courses draw on the established strength and reputation of both departments in interdisciplinary research. All courses have a common first year. The four-year MSci courses are intended for those considering scientific careers that will make direct use of subject-specific knowledge and skills. The three-year BSc degree covers the core areas of the subject and is ideal for those who wish to move into other areas after graduation.

Our degrees are integrated courses comprising units in chemistry, physics and mathematics. Our chemistry and physics teaching labs are equipped with state-of-the-art facilities, including Bristol ChemLabS, a Centre for Excellence in Teaching and Learning.

Our graduates are highly numerate and literate, with superb practical and problem-solving skills. Many pursue careers in research, using their subject-specific knowledge and skills in a variety of scientific environments, while others apply their transferable skills in areas outside science.

For more information about our courses visit bristol.ac.uk/ug20-chemphys.

BSc Chemical Physics
A-levels AAA (ABB†) IB 36 (32†)
MSci Chemical Physics
A-levels A*AA (AAB†) IB 38 (34†)

The first year offers a thorough grounding in chemistry, physics and mathematics. Later years focus on atomic and molecular science and its interdisciplinary applications. You will also focus on areas at the interface between chemistry and physics, with less organic and synthetic chemistry and more physical and non-synthetic inorganic chemistry. Similarly, there is very little nuclear and particle physics after your first year but an emphasis on materials science and nanoscience. As well as lectures and practical classes, small-group tutorials and workshops help develop your understanding of challenging and exciting concepts. You will undertake a project or scientific dissertation, working in a research group with a staff member.

MSci Chemical Physics with Industrial Experience
A-levels A*AA (AAB†) IB 38 (34†)

The first and second years of this course are identical to MSci Chemical Physics but year three provides the opportunity to spend time as a paid employee in the labs of a major company. During this year you will become an expert scientist and develop important transferrable skills. You will also study a small number of academic units through distance learning, making the transition between university and placement as smooth as possible. You will spend your final year at the University, studying a mixture of physics and chemistry units and undertaking a small research project.

Academic entry requirements
The University recognises a wide range of UK and international qualifications for admission; for further details please see p44
Typical standard offer for BSc Chemical Physics
A-levels AAA including Chemistry, Physics and Mathematics
IB Diploma 36 points overall with 18 at Higher Level, including 6, 6, 6 at Higher Level in Chemistry, Physics and Mathematics

Typical contextual offer† for BSc Chemical Physics
A-levels ABB including Chemistry, Physics and Mathematics in any order
IB Diploma 32 points overall with 16 at Higher Level, including 6, 5, 5 at Higher Level in Chemistry, Physics and Mathematics in any order

Other requirements
English language profile E (see p44)

†Contextual offer; see p42

Accreditation

IOP Institute of Physics
Royal Society of Chemistry

bristol.ac.uk/chem-phs
With over a third of our research rated ‘world-leading’ (Research Excellence Framework, 2014), you will be taught by internationally renowned scientists in world-class laboratory facilities.

Why study chemistry at Bristol?
We are home to Bristol ChemLabS, the UK’s only chemistry-based Centre for Excellence in Teaching and Learning. Our teaching laboratories are outstanding, and our innovative teaching methods include our award-winning Dynamic Laboratory Manual which enables you to prepare for and learn from practical classes in a unique way. We understand that your interests may change and develop, so transfer between different chemistry courses is usually possible up until the end of your first year.

For more information about our courses visit bristol.ac.uk/ug20-chemistry.

BSc Chemistry
A-levels AAA (ABB†) IB 36 (32†)

MSci Chemistry
A-levels A*AA (AAB†) IB 38 (34†)
The first two years are common to all of our degree courses. You will study fundamental concepts in inorganic, organic and physical chemistry, and applications in areas such as analytical, environmental, materials and theoretical chemistry. Our BSc course includes a final-year project. Options include working in a research laboratory or in a local school, helping to develop science resources or carrying out chemistry education research.

Our MSci course provides an excellent foundation for postgraduate study or a career in science. Your final year includes a 20-week research project in which you will work with an academic member of staff and their research team on a current problem in chemistry.

BSc Chemistry with a Preliminary Year of Study
There are no specific entry requirements. Please contact the prospective students enquiries team for further information.

This degree is designed for students with potential who do not have a science background. You can automatically progress from this course to our BSc/MSci degrees.

MSci Chemistry with Industrial Experience
A-levels A*AA (AAB†) IB 38 (34†)
In your third year you will gain valuable experience in industry, working in a paid position for a major chemical company. Working in industry will allow you to develop real-world expertise and specialise in an area of science that you find interesting. The transferable skills that you gain will prove invaluable in helping to shape your future career.

MSci Chemistry with Study Abroad/MSci Chemistry with Study in Continental Europe
A-levels A*AA (AAB†) IB 38 (34†)
On our Study Abroad course you will spend your third year abroad at an English-speaking university. On our Study in Continental Europe course you will spend your third year at a university in Europe and will be taught and assessed in the language of your host university. Language tuition will be offered in years one and two.

Typical standard offer for BSc Chemistry
A-levels AAA including Chemistry and Mathematics
IB Diploma 36 points overall with 18 at Higher Level, including 6 at Higher Level in Chemistry and either 6 at Higher Level or 7 at standard Level in Mathematics

Typical contextual offer† for BSc Chemistry
A-levels ABB including grade A in Chemistry and grade B in Mathematics
IB Diploma 32 points overall with 16 at Higher Level, including 6 at Higher Level in Chemistry and either 5 at Higher Level or 7 at standard Level in Mathematics

Other requirements
English language profile E (see p44)

†Contextual offer; see p42

New courses for 2020
BSc/MSci Chemistry with Scientific Computing
These courses will be open for 2020 entry subject to academic approval.
'My course is tailored very much to my personal interests and is flexible. Engineering Design develops both sound theoretical understanding and also thinking outside the box.'

Patrick (MEng Engineering Design)
**Childhood Studies**

An exciting, interdisciplinary subject, childhood studies at Bristol focuses on policy and the rights of children and young people, exploring contemporary debates within a national and international context.

**Why study childhood studies at Bristol?**
Childhood studies at Bristol provides you with a holistic understanding of children, childhood and adolescence, combining elements of education, psychology, law, social work and social policy. Topics of study include children’s rights, development, learning, play, identity, safeguarding, mental health and diversity, among others. In addition, there is an opportunity to gain real-life experience of working in a range of organisations and supporting children and families via our work placement unit.

You will be taught through a mixture of lectures and small-group seminars, undertake independent study guided by your personal tutor, and work closely with others.

Through research projects and your dissertation you will become an active researcher, fostering sought-after skills that will equip you for a wide range of careers. You will be supported to find a professional work placement in order to develop your employment-related skills and enhance your understanding of work.

Our graduates go on to careers in areas as diverse as education, children’s therapy, social work, law and social justice, children’s charities, government and the civil service.

Childhood studies is a partner in Bristol Q-Step, which is part of a national initiative offering enhanced skills training in the social sciences. For details see p128.

For more information about our courses visit bristol.ac.uk/ug20-childhood.

**BSc Childhood Studies/BSc Childhood Studies with Study Abroad**

- **A-levels**
  - ABB (BBC)
  - 
  - IB 32 (29)

The course focuses on policy and the rights of children and young people from birth to 19 years, exploring contemporary debates within a global context. Our research-based teaching includes the expertise of lecturers from related disciplines.

In the first year you will develop a solid understanding of the social, psychological and historical constructions of childhood. In the second and third years you can choose optional units from a wide range of subjects, allowing you to pursue different routes through the degree to develop the career path that is right for you.

The Study Abroad course is identical to the three-year course, but you will spend your third year overseas at one of our partner institutions before returning to Bristol for your final year. Learning in English, you will take units in your core subject and/or broader social sciences, arts and humanities subjects.

**BSc Childhood Studies with Management**

- **A-levels**
  - ABB (BBC)
  - 
  - IB 32 (29)

This course combines the social science of childhood and adolescence with management, providing a strong grounding in the skills needed to be an effective leader in organisational management, especially within the field of children’s services. Two thirds of the degree considers childhood and children’s rights, exploring their participation, their protection and the provision of national and global children’s services. The remaining third focuses on management, introducing you to principles of business management, accounting, marketing, corporate social responsibility and business law. This will enable you to examine the economic, political and social environments in which organisations operate.

**MSci Childhood Studies with Quantitative Research Methods**

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**Academic entry requirements**

The University recognises a wide range of UK and international qualifications for admission; for further details please see p44

Typical standard offer for BSc Childhood Studies

- A-levels ABB
- 
- IB Diploma 32 points overall with 16 at Higher Level

Typical contextual offer† for BSc Childhood Studies

- A-levels BBC
- 
- IB Diploma 29 points overall with 14 at Higher Level

*Other requirements*

- GCSE Standard numeracy requirement (4 or C in GCSE Mathematics or equivalent) and standard literacy requirement (4 or C in GCSE English or equivalent)

Part-time study available over six years with daytime, weekday teaching

English language profile B (see p44)

†Contextual offer; see p42

**New course for 2020**

**MSci Childhood Studies with Innovation**

This course will be open for 2020 entry subject to academic approval.

bristol.ac.uk/childhood-studies
Known for our expertise in environmental engineering and resilient infrastructure, our department boasts world-class laboratory facilities including the most advanced earthquake shaking table in Europe. Benefiting from strong industry links, our courses emphasise design and provide practical experience and excellent career prospects.

Why study civil engineering at Bristol?
If you are creative, enjoy design and aspire to improve the built environment we live in, then civil engineering is for you. Our fully accredited courses will give you the skills to tackle global environmental challenges, from providing safe drinking water and renewable energy to developing disaster-resilient and sustainable infrastructure. You will learn how to design large and unique structures, such as buildings, bridges, dams and coastal defences.

Bristol offers research-led teaching that aims to shape the next generation of engineers. We rank among the top civil engineering departments in the country (third in the Guardian University Guide 2019; seventh in the Complete University Guide 2019) and our 90 per cent score for student satisfaction (National Student Survey 2018) demonstrates our commitment to outstanding teaching and research.

We will equip you to become a leader by sharing the latest innovations from leading international researchers and professional institutions. In your learning you will use our state-of-the-art geotechnical, structural and water engineering laboratory facilities. You will develop your technical, project management and interpersonal skills and be encouraged to think creatively and innovatively, enhancing your employability.

Through our dedicated Industrial Liaison Office you will benefit from industrial mentoring and internship schemes, allowing you to develop practical engineering experience in design offices and on construction sites. Our graduates are highly sought after by top employers, including civil engineering consultants and contractors, utility companies, local authorities and other large engineering industries, such as petroleum, public transport, power generation and supply companies.

For more information about our courses visit bristol.ac.uk/ug20-civilengineering.

BEng/MEng Civil Engineering
A-levels A*AA (AAB†) IB 38 (34†)
The first two years provide a strong foundation in engineering, including mathematics, structures, soil and fluid mechanics, computing and surveying, as well as optional units. You may transfer between the BEng and MEng in the first two years. In your third year you will develop your independent and creative thinking in a major investigative research project. More optional units are introduced in the final years, ranging from earthquake engineering to sustainable systems.

Design is central to all our courses, and this is reflected in the projects you will undertake. In the first year you will develop a solution to an open-ended problem, such as designing and making a model bridge. The second year includes steel work, reinforced concrete and geotechnical design. Among other activities in the third year, you will design a water supply system.

The fourth-year MEng group design project combines all your learning as you tackle a realistic design challenge identified through our industry links. Design projects range from transportation to smart cities and from skyscrapers to sustainable housing.

MEng Civil Engineering with Study Abroad
A-levels A*AA (AAB†) IB 38 (34†)
Our exchange programmes are a great opportunity to broaden your view of the world and experience a different culture. This degree gives you the chance to study civil engineering at one of our partner universities in Australia, Canada, the US, Hong Kong or Singapore in your third year. Your course of study overseas will mirror the third-year curriculum at Bristol. There is no direct entry onto the course, but you can transfer from the other courses if you reach a high academic standard in your first two years.

MEng Civil Engineering with Study in Continental Europe
A-levels A*AA (AAB†) IB 38 (34†)
This degree includes language units in years one and two to prepare you for spending your third year at one of our European partner universities. While abroad you will study a range of civil engineering topics according to a personalised study plan that mirrors the third-year curriculum at Bristol.

Accreditation (Except MEng Civil Engineering with a Year in Industry)
**MEng Civil Engineering with a Year in Industry**

**A-levels**
- **A*AA** (AAB*)
- **IB 38 (34*)**

This five-year degree gives you the opportunity to spend your third year applying the knowledge gained in your first two years of study in an industrial environment. The first two and final two years are shared with MEng Civil Engineering.

There is no direct entry on to this course but you can transfer from our other civil engineering courses if you reach a high academic standard and are successful at a placement interview.

`The best part of my course so far has been the surveying trip to Wales. We spent six days out at a field doing levelling, angling, setting out and traversing using equipment like theodolites and prisms. It was a really interactive and hands-on experience that strengthened my interest in the subject.`

_Silas_ (MEng Civil Engineering)

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**Single Honours**

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<th>Degree</th>
<th>Duration</th>
<th>Code</th>
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<td>BEng Civil Engineering</td>
<td>3 years</td>
<td>H205</td>
</tr>
<tr>
<td>MEng Civil Engineering</td>
<td>4 years</td>
<td>H200</td>
</tr>
<tr>
<td>MEng Civil Engineering with Study Abroad</td>
<td>4 years</td>
<td>H201</td>
</tr>
<tr>
<td>MEng Civil Engineering with Study in Europe</td>
<td>4 years</td>
<td>H201</td>
</tr>
<tr>
<td>MEng Civil Engineering with a Year in Industry</td>
<td>5 years</td>
<td>H201</td>
</tr>
</tbody>
</table>

*Entry by transfer from H200 or H201
**Entry by transfer from H200, H205 or H201

**Academic entry requirements**

The University recognises a wide range of UK and international qualifications for admission; for further details please see p44

**Typical standard offer for BEng/MEng Civil Engineering**

| A-levels A*AA including A*A (in any order) in Mathematics and a science-related subject (see p44) |
| IB Diploma 38 points overall with 18 at Higher Level, including 7, 6 (in any order) at Higher Level in Mathematics and a science-related subject (see p44) |

**Typical contextual offer† for BEng/MEng Civil Engineering**

| A-levels AAB including AA in Mathematics and a science-related subject (see p44) |
| IB Diploma 34 points overall with 17 at Higher Level, including 6, 6 at Higher Level in Mathematics and a science-related subject (see p44) |

**Other requirements**

| English language profile E (see p44) |

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bristol.ac.uk/civilengineering
Bristol's Department of Classics and Ancient History is internationally renowned for its innovative work on classical civilisation and its legacy, with areas of focus including poetry, drama, mythology, religion, history, politics and art.

Why study classical studies at Bristol?
Our BA Classical Studies focuses on the literature, art, mythology and philosophy of the classical world as well as its reception in later centuries. It is designed to provide you with a broad knowledge of Greco-Roman civilisation, while instilling the analytical and creative abilities needed to interpret its culture, history and philosophy.

You have the flexibility to combine core units on Greco-Roman culture with more specialised topics, units on the reception of Greece and Rome, or the study of ancient languages. Teaching methods include lectures, small-group seminars, personal consultations and a guided research project. These allow you to develop valuable skills in formal and informal writing, impromptu discussion and oral presentation.

The interdisciplinary nature of a classical studies degree hones your skills in critical thinking, persuasive writing and clear self-expression, which are transferable to a wide range of careers. Our graduates have found positions in research, administration, media, museums, art galleries, heritage management, the civil service, law, accountancy, computing and teaching. A significant number go on to postgraduate study in classics and ancient history or other humanities subjects.

For more information about our courses visit bristol.ac.uk/ug20-classicalstudies.
Study in Bristol, one of the world’s most exciting locations to study classics, in a department internationally renowned for its innovative research on antiquity.

Why study classics at Bristol?
Our Department of Classics and Ancient History covers many areas of Greco-Roman civilisation, from politics, poetry and philosophy to sculpture, architecture and archaeology. Our course of study combines an emphasis on traditional language skills, literature and historical understanding with an in-depth exploration of the continuing influence of Greek and Roman writing.

We encourage you to gain experience of the many different methods and approaches involved in the study of classics today and provide you with the opportunity to explore antiquity in the light of its many influences on modern art, literature, politics and popular culture.

You will focus on Greek and Latin language and literature, gaining confidence in translating, understanding and discussing ancient texts. Alongside this you will have the flexibility to explore further areas that interest you, such as topics in Greek and Roman history, religion, art and archaeology.

The skills you will gain in critical thinking, persuasive writing and self-expression are transferable to a wide range of careers. Our graduates have found positions in research, administration, media, museums, art galleries, heritage management, the civil service, law, accountancy, computing and teaching. A significant number go on to further postgraduate study in classics and other humanities subjects.

For more information about our course visit bristol.ac.uk/ug20-classics.

BA Classics

A-levels AAA (ABB†) IB 36 (32†)

Our Classics degree focuses on the study and appreciation of a wide spectrum of Greek and Latin literature. Languages are taught at all levels from absolute beginner onward. Some classes concentrate on building and developing language and translation skills, while others focus on literary criticism and engagement with the text.

In the first two years you will study both Greek and Latin language and literature and choose optional units from topics such as philosophy, art, and political, social or cultural history. There is the possibility of studying abroad for a semester in the second year.

In the third year you continue with at least one ancient language, choose from a range of seminar-based special subjects, and write a dissertation on your own specialist research project. You will also plan, promote and execute a project aimed at presenting classics to the wider public, with a member of staff acting as adviser.

Single Honours

BA Classics 3 years Q800

Academic entry requirements

The University recognises a wide range of UK and international qualifications for admission; for further details please see p44

Typical standard offer for BA Classics
A-levels AAA
IB Diploma 36 points overall with 18 at Higher Level

Typical contextual offer† for BA Classics
A-levels ABB
IB Diploma 32 points overall with 16 at Higher Level

Other requirements
GCSE 6 or B at GCSE in a modern or ancient language, or equivalent qualification such as Latin or Greek short course

Part-time study available over six years with daytime, weekday teaching

English language profile A (see p44)

†Contextual offer; see p42

bristol.ac.uk/classics
Learn from staff at the forefront of research and work on real-world projects with industry mentors in a department that emphasises rigour, practical application and innovation.

Why study computer science at Bristol?
Our courses provide you with a thorough understanding of the fundamentals of computer science and their application. You will work with staff involved in the latest research, gaining in-depth knowledge from experts working at the forefront of the subject. Project work is central: you will work in teams on real-world applications and focus on your own individual project in your final year. We work closely with industry, enabling you to gain knowledge from leading companies, work with industrial mentors and spend time with them on internships.

Choice and discovery underpin our courses. You design your degree around a set of core units and complement these by choosing from a diverse and expanding set of optional units. We value enterprise and creativity and we give you opportunities to excel in a range of areas, from social enterprise projects to starting your own business.

Our courses provide a balance between cutting-edge topics and technical and transferable skills, such as teamwork, communication and entrepreneurship. Many of our students apply their knowledge by starting their own businesses, supported by the department. Our graduates are highly regarded by computer-related employers such as Apple, Google, Microsoft, IBM, Hewlett Packard, Logica and Cisco.

For more information about our courses visit bristol.ac.uk/ug20-compsci.

BSc/MEng Computer Science A-levels A*AA (AAB†) IB 38 (34†)
These courses provide a thorough grounding in the fundamentals of computer science combined with opportunities to specialise in application areas. Core ideas are introduced in years one and two. You will cover the principles of programming and algorithms, including: how a modern computer works; computational theory and how to design programming languages; concurrent systems and networks; and machine learning and pattern recognition.

A key component of year two is the software group project in which you work in a team to deliver an application to a client with help from an industrial mentor. You can take options in human-computer interaction and complexity theory. In your final year you will specialise in application areas and undertake an individual project, with opportunities to work with industrial and research partners.

MEng Computer Science with Study Abroad A-levels A*AA (AAB†) IB 38 (34†)
This course follows the structure of our MEng Computer Science but gives you the opportunity to spend your third year at an English-speaking university abroad. During your year abroad you will study computer science topics that mirror, as far as possible, our course at Bristol before returning to the University for your fourth year. We have links with universities in the US, Hong Kong, Australia and other countries.

For more information about our partner universities visit the Global Opportunities website at bristol.ac.uk/go-abroad.

MEng Computer Science with Study in Continental Europe A-levels A*AA (AAB†) IB 38 (34†)
This course follows the structure of the MEng Computer Science but gives you the opportunity to spend your third year at a partner university in a European country, such as Austria, Spain or Italy. During your year in Europe you will study computer science topics that match, as far as possible, the third year of our course. You will return to Bristol for your final year.

For more information about our partner universities visit the Global Opportunities website at bristol.ac.uk/go-abroad.

Accreditation

bristol.ac.uk/computer-science
BSc/MEng Mathematics and Computer Science

**A-leveles** A*A*A (AAA) | **IB** 40 (36)

This joint honours degree combines a rigorous training in mathematics with an understanding of computer science and its applications. Mathematics is the language of the sciences and is of core value in an advanced understanding of computer science. Computer science provides many of the key tools needed to solve the most important and pressing problems of the modern age. The degree is ideal for someone looking to apply themselves in fields as varied as high finance, cryptography, quantum computing, algorithm design and artificial intelligence.

In your first year you will study essential core components of mathematics and computer science, giving you a rigorous foundation for future years. Subsequently, you will have the opportunity to tailor your mathematics and computer science options, so that you graduate with a balance of theoretical and practical skills that reflects your interests.

‘Learning how to code in Haskell with Dr Nicolas Wu, an expert on the cutting edge of functional programming, has been the most unexpected and enjoyable part of my course.’

**James (MEng Computer Science)**

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**Single Honours**

- **BSc Computer Science** 3 years | G400
- **MEng Computer Science** 4 years | G403
- **MEng Computer Science with Study Abroad** 4 years | G401
- **MEng Computer Science with Study in Continental Europe** 4 years | G401
- **MEng Computer Science with Innovation** 4 years | P100

*Entry by transfer from G401 or G403

**Joint Honours**

- **BSc Mathematics and Computer Science** 3 years | GG14
- **MEng Mathematics and Computer Science** 4 years | GG1K
- **BEng/MEng Computer Science and Electronics** 4 years | P82
- **MEng Computer Science and Electronics with Study Abroad** 4 years | P82

**Academic entry requirements**

The University recognises a wide range of UK and international qualifications for admission; for further details please see p44

**Typical standard offer for BSc/MEng Computer Science**

- **A-leveles** A*A*A (AAA) including A* in Mathematics
- **IB Diploma** 38 points overall with 18 at Higher Level, including 7 at Higher Level in Mathematics

**Typical contextual offer† for BSc/MEng Computer Science**

- **A-leveles** AAB including A in Mathematics
- **IB Diploma** 34 points overall with 17 at Higher Level, including 6 at Higher Level in Mathematics

**Other requirements**

- **English language profile** E (see p44)

*Contextual offer; see p42
Examining crime, social harm and the policies addressing pressing social issues in a school that is in the UK top ten for research.*

**Why study criminology at Bristol?**
Criminology is taught in the School for Policy Studies, which is among the UK’s ten most highly rated schools for research on social policy and social work.* The school’s undergraduate teaching is outstanding, and we are rated first in our subject area in the Guardian University Guide 2019.** Our teaching is research led; you will be taught by academics who are researching the topics that they teach, ensuring that our course content is current and engaging.

There is a wide choice of units available covering topics including gender-based violence, drugs policy, youth crime and justice. Teaching typically includes lectures, seminars and workshops. There is an opportunity to gain real-life experience of working in a range of criminal justice agencies or organisations that are engaged with offenders or victims. Through your dissertation and independent research, you will also gain skills that will equip you for a wide range of careers.

Our graduates typically enter vocational careers such as law, the prison service or social work; apply their skills to non-vocational contexts like business, human resources or finance; or continue with further study.

For more information about our courses visit bristol.ac.uk/ug20-criminology.

*BTimes Higher Education analysis of the REF 2014 results placed the School for Policy Studies tenth in the UK for social work and social policy.


### BSc Criminology

**A-levels** ABB (BBC†) IB 32 (29†)

Criminology is a multidisciplinary subject comprising elements of sociology, law, social and public policy, history, psychology and philosophy.

BSc Criminology at Bristol is an exciting course that provides an opportunity to study criminology within a broader framework of policy studies. The course will give you an understanding of crime and related social harms, and the opportunity to analyse public policy interventions that contribute towards a safer and harm-free society.

By drawing on zemiological (social harm) perspectives, the course examines conventionally defined crimes, along with other activities or behaviours that may not be criminalised but that still cause extensive harm to individuals and society.

### BSc Criminology with Study Abroad

**A-levels** ABB (BBC†) IB 32 (29†)

This course is identical to the three-year BSc Criminology but your third year will be spent overseas at one of our partner institutions. You will be able to take units related to criminology or units from the broader social sciences, arts and humanities. For example, students at Linköping University in Sweden have studied a unit on Swedish and the Swedes, and at City University in Hong Kong students have had the option of taking a unit in Mandarin. For your final year you will join the third year of the BSc Criminology course back in Bristol.
Czech

Benefit from excellent links with universities and employers in the Czech Republic and organisations such as the Czech Embassy and Czech Centre in London.

Why study Czech at Bristol?
The modern Czech Republic is at the heart of the expanded European Union and is a key strategic partner of the UK. It has established itself as a centre for banking, finance, media, diplomacy and tourism. Czech expertise, especially combined with another of the European languages we offer at Bristol, is a prized asset for many professions.

At Bristol you study the language intensively in small groups, with close attention from expert teachers who are native speakers. Modern languages students benefit from state-of-the-art multimedia centre with access to more than 2,000 films, foreign channels and magazines.

Our students often achieve excellent, graduate-level fluency after four years. Our options are designed to allow you to explore the contemporary priorities and concerns of modern Czech society alongside Czech history and culture. Literature classes boost language learning with close reading of original texts in small groups.

Final-year students have the opportunity to write an extended project on an aspect of Czech history, culture or society and can take up the closely related Slovak language.

A Czech degree will stand out as a sign of individuality, intellectual ability and a capacity to take on unusual challenges. Recent graduates have entered diverse careers including British and international civil services, teaching, translating and interpreting, finance, industry, the media, publishing, law and tourism, while others have pursued further study.

For more information about our courses visit bristol.ac.uk/ug20-czech.

BA Czech and a modern language
A-levels AAB (BBB†) IB 34 (31†)

We offer joint honours degrees in Czech with French, German, Italian, Portuguese, Russian and Spanish. These courses enable you to develop your language skills and to study the cultures linked to your chosen languages. You will spend half of your third year in the Czech Republic and the other half in a country relevant to your other language.

In language classes you will develop speaking, listening, reading, writing and translation skills using a range of textbooks, media and internet resources. You will choose from optional units combining cultural, historical and sociological approaches for both your chosen languages.

You can discover the diversity of Czech literature over the past two centuries through a wide range of units in which you can select authors and texts to suit your interests. You can examine Czech gender identity through units that focus on a range of areas from politics to imagery, set within the context of Central and Eastern Europe as well as Western Europe. You can study Czech history and explore Czech cinema and aspects of contemporary society. In your final year you may also study Slovak.

Academic entry requirements
The University recognises a wide range of UK and international qualifications for admission; for further details please see p44

Typical standard offer for BA Czech and a modern language
A-levels AAB including B in one of the languages to be studied
IB Diploma 34 points overall with 17 at Higher Level, including 5 at Higher Level in one of the languages to be studied

Typical contextual offer† for BA Czech and a modern language
A-levels BBB including B in one of the languages to be studied
IB Diploma 31 points overall with 15 at Higher Level, including 5 at Higher Level in one of the languages to be studied

Other requirements
Part-time study available over six or seven years with daytime, weekday teaching, plus a period of residence abroad

English language profile B (see p44)

†Contextual offer; see p42
Dental Hygiene and Therapy

Accredited by the General Dental Council, this course teaches preclinical and clinical skills in state-of-the-art facilities.

Why study dental hygiene and therapy at Bristol?
Our BSc Dental Hygiene and Therapy degree will enable you to become a skilled clinician, capable of providing high levels of clinical care and patient management.

Our excellent staff-to-student ratio allows for thorough supervision and support throughout the course. You will benefit from a variety of teaching methods, giving you the confidence to deliver tailored advice and carry out preventative treatments.

Clinical treatment sessions are closely supervised by experienced dental tutors. Throughout the course, you will receive feedback and reflect on your performance. You will develop a sensitive and patient-focused approach to caring for the patients referred to you for treatment.

Once qualified, you can register with the General Dental Council (GDC) and work in a variety of settings, including general dental practices, salaried dental services, specialist practices, hospitals and industry. You will be a vital part of any dental team, working collaboratively and providing primary dental care and oral healthcare advice to a wide range of patients.

After completing your dental hygiene training you may wish to undertake further training as a dental therapist, orthodontic therapist or dentist.

For more information about our course visit bristol.ac.uk/ug20-dentalhygiene.

BSc Dental Hygiene and Therapy

A-levels BBB (BCC*) IB 31 (27*)

Bristol Dental Hospital has a long-established history of training programmes in both dental hygiene and dental therapy. The BSc Dental Hygiene and Therapy provides an exciting opportunity to study alongside undergraduate students on the BDS Dentistry course.

Year one provides essential preclinical teaching and training and patient contact in the Periodontal Clinic.

In year two you will start preclinical training in restorative techniques, and in your final term you will begin restorative treatment of adult patients at the Dental Hospital.

In your final year you will begin preclinical training in paediatric dentistry alongside continued clinical development, treating adult restorative and periodontal patients. You will be placed predominantly in community-based teaching clinics, working towards a holistic approach of patient management.

You will complete a research project relevant to your role as a hygienist/therapist as well as undertaking your final modules in order to gain the BSc Dental Hygiene and Therapy.

Certain health conditions may be incompatible with studying dental hygiene and therapy. Before starting your degree you will need to complete a health assessment questionnaire and pre-course screening. For more information visit: bristol.ac.uk/ug20-dentalhygiene.

In accordance with GDC guidelines, all dental hygiene students must complete a Disclosure and Barring Service (DBS) check: bristol.ac.uk/secretary/legal/dbs/students-dbs.

Similarly, for more detailed information about entry requirements please see p44.
You will benefit from our £15 million refurbished, state-of-the-art teaching and learning facilities, gaining early clinical contact and a solid foundation in science.

Why study dentistry at Bristol?
Our courses cover all aspects of the General Dental Council (GDC) guidance for preparing to practise as a dentist. There is a continuous core of clinical activity from years one to five, with supporting knowledge and scientific methods integrated throughout.

Technology-enhanced learning and best educational practice is instrumental to the delivery of the course. You will revisit topics at a higher level of understanding and application as the course progresses.

Teaching is delivered through lectures, small-group tutorials, e-learning, supervised clinical skills training and patient treatment. You have the opportunity to work with hygienists and dental therapists. You will receive support throughout your development, and our e-portfolio enables you to receive feedback from each clinical encounter and track your progress.

Clinical teaching commences in the Bristol Dental School. Later you will gain community-based teaching experience in a purpose-built facility at South Bristol Community Hospital.

After foundation training you may practise in the NHS, in the armed forces, in private general practice or in a community-based dental clinic.

Alternatively you may work in a dental hospital where you can specialise in oral surgery, orthodontics, restorative dentistry or paediatric dentistry. Gaining postgraduate qualifications will enable you to undertake research at universities or teach in a dental school.

Certain health conditions may be incompatible with careers in dentistry. Before starting your degree you will need to complete a health assessment questionnaire and pre-course screening. For more information visit: bristol.ac.uk/ug20-dentistry.

In accordance with GDC guidelines, all dental students must complete a Disclosure and Barring Service (DBS) check: bristol.ac.uk/secretary/legal/dbs/students-dbs.

BDS Dentistry

A-levels AAA (AAC† or ABB†) IB 36 (32*)

This five-year degree comprises clinical activity with integrated scientific and technical teaching. Year one introduces the clinical environment through peer group activities and observations. Clinical skills training and patient contact commence early in year two. In year three you can choose to intercalate in a science subject to obtain an Honours BA or BSc. There is the opportunity to undertake community work in the UK or abroad in year four.

Students welfare is central to our programme and you will have access to a wide range of support, including our in-house personal tutor network.

BDS Gateway to Dentistry

A-levels BBC IB 29

This course is aimed at students who have the potential to become dentists but do not meet the academic entry criteria to apply directly to the five-year BDS Dentistry course. It is a widening participation initiative for UK students who fulfil specific criteria. Successful completion of this year will enable you to progress to BDS Dentistry. To find out if you are eligible, visit bristol.ac.uk/ug20-dentistry.

Accreditation

General Dental Council

Protecting patients, regulating the dental team

Single Honours

BDS Dentistry 5 years A206
BDS Gateway to Dentistry 6 years A208

We can only accept applications for dentistry through UCAS. The closing date for UCAS applications is 15 October.

Academic entry requirements

The University recognises a wide range of UK and international qualifications for admission; for further details please see p44

Typical standard offer for BDS Dentistry

A-levels AAA including AA in Chemistry and one of Biology, Physics or Mathematics. Graduates are required to obtain a 2:1 in their degree and BBB at A-level including Chemistry and one of Biology, Physics or Mathematics

IB Diploma 36 points overall with 18 at Higher Level, including 6, 6 at Higher Level in Chemistry and one of Biology, Physics or Mathematics

Typical contextual offer† for BDS Dentistry

A-levels AAC including AA in Chemistry and one of Biology, Physics or Mathematics, or ABB including A in Chemistry and B in one of Biology, Physics or Mathematics

IB Diploma 32 points overall with 16 at Higher Level, including 6 at Higher Level in Chemistry and 5 at Higher Level in one of Biology, Physics or Mathematics

Other requirements

GCSE Advanced numeracy requirement (7 or A in GCSE Mathematics or equivalent) and standard literacy requirement (4 or C in GCSE English or equivalent)

English language profile A (see p44)

UCAT The University Clinical Aptitude Test (formerly UKCAT) is required. Bursaries are available to cover the cost of taking the test; please see www.ukcat.ac.uk

†Contextual offer; see p42