Biomedical Sciences

Programme | Awards | Duration | Fees (per year)* | Contact
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Biomedical Sciences Research | MSc | 1yr FT | UK £9,900 FT Overseas (non-EU) £18,800 Additional: Bench fee £2,000 | fbs-pg-admissions@bristol.ac.uk
Biophysics and Molecular Life Sciences | MSc | 1yr FT | UK £9,900 FT Overseas (non-EU) £18,800 Additional: Bench fee £2,000 | fbs-pg-admissions@bristol.ac.uk
Transfusion and Transplantation Sciences | MSc, PG Diploma, PG Certificate | 1yr FT, 2-3yrs PT | UK £9,900 FT UK £4,950 PT Overseas (non-EU) £18,800 | fbs-pg-admissions@bristol.ac.uk

For further details, including entry requirements and how to apply, see bristol.ac.uk/pg-study. Research programmes are listed on the Faculty of Biomedical Sciences pages (pp44-45). *See p21 for more information about tuition fees.

MSc Biomedical Sciences Research
This programme is delivered by academic staff from all of the schools within the Faculty of Biomedical Sciences and provides training in several of the principal areas of current research in biomedical sciences. The programme is focused on experimental science and provides practical experience of basic and specialist techniques. It also provides opportunities for specialisation in selected research topics.

Programme structure
You will study Core Skills – a series of practical classes, lecture-based teaching sessions and tutorials that prepare you for the practical project, provide a foundation for further studies and develop a range of transferable skills. You will also undertake an extended essay on a subject chosen from an extensive list supplied by the unit organiser.

There are three lecture-based units, with topics including:
- Cancer Biology
- Cardiovascular Research
- Infection, Immunology and Immunity
- Pharmacology
These are assessed independently by written examinations.

Research project:
For your research project, you will work independently under the guidance of a member of staff to produce a written project proposal. This is followed by a 12-week research project investigating your chosen topic. The research project forms the basis for a dissertation.

Entry requirements: Preferably a first or upper second-class honours degree but applications from students with a lower second-class honours degree (or international equivalent) and evidence of practical ability will also be considered.

MSc Biophysics and Molecular Life Sciences
During the last century biophysics has provided structural insights into biomolecules as well as an understanding of the mechanisms by which they function. Today, biophysics is focused on creating solutions for major global problems such as food production, climate change, environmental damage and drug production. As a whole, biophysics aims to span the distance between the vast complexity of biological systems and the relative simplicity of the physical laws that govern the universe.

This programme provides interdisciplinary training at the interface of chemistry, physics and the life sciences, and is taught by active research staff drawn from all of these areas. The programme explores a variety of topics, including molecular structure determination, dynamic molecular mechanisms, molecular simulation, molecular design and single-molecule technologies. Emphasis is placed on practical experience as well as providing a strong theoretical background. Students will also learn about the process of commercialisation of research outcomes.

Programme structure
You will study Core Skills – a series of practical classes, lecture-based teaching sessions and tutorials that prepare you for the practical project, provide a foundation for further studies and develop a range of transferable skills. You will also complete an extended essay and carry out a 12-week research project, which forms the basis for a dissertation.

You will study core units in:
- Biophysics and Molecular Life Sciences
- Sciences I and II
You will study one lecture-based unit from:
- Cancer Biology
- Cardiovascular Research
- The Dynamic Cell
- Infection, Immunology and Immunity
- Neuroscience
- Pharmacology

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Entry requirements: A lower second-class honours degree in biochemistry, biophysics, life sciences, chemistry, physics or an equivalent subject, plus a minimum grade B in A-level Chemistry (or equivalent qualification).

MSc Transfusion and Transplantation Sciences
This programme includes a fascinating range of subject areas, such as molecular biology, genetics, biochemistry, microbiology, immunology, tissue engineering, clinical medicine and statistics, all of which are involved in the practice of transfusion or transplantation. As well as being academically interesting, this continually developing area of healthcare science has a major impact on patients' quality of life.

The programme is one of a few specialist courses in transfusion and transplantation and is accredited by the Institute of Biomedical Science. Uniquely, it is based at one of the largest transfusion centres in the world, enabling visits to manufacturing, testing and tissue-typing sections. There is a large number of UK specialist lecturers from within the University, NHS Blood and Transplant (NHSBT) and NHS hospitals. Students have the opportunity to carry out their MSc projects with NHSBT research staff within the transfusion centre.

There are eight taught units that run from September-March and a research project that begins in May and runs until August.

Taught units:
- Transfusion and Transplantation Science
- Pathology of Transfusion and Transplantation Science
- Provision of Blood, Cells, Tissues and Organs
- Clinical Transfusion and Transplantation
- Transfusion
- Transplantation in Practice
- Biostatistics
- Research and Laboratory Management

Assessments are designed to teach skills such as comprehension, scientific writing in different formats and conference skills, and to further knowledge in subject areas not covered in the lectures. Students must pass the taught component to be able to progress to the project.

Part-time students complete the Postgraduate Certificate components in their first year and the Postgraduate Diploma in the second. The project is usually taken during year three to complete the MSc.

Entry requirements: An upper second-class honours degree (or equivalent) in medicine, biomedical science/clinical laboratory science or related subjects. A lower second-class honours degree or non-degree qualifications may be considered with evidence of laboratory experience and other academic achievement.
Comparative Literatures and Cultures

This programme gives you the opportunity to study the encounters and exchanges between literatures and cultures across Europe and beyond. We welcome graduates of all arts and humanities disciplines.

You will become acquainted with the theory and practice of comparative cultural study, and consider how concepts of national cultures cross borders and interact with ideas of the global and transnational. You will gain a thorough grounding in cultural theory, critical reading and research skills, and put this theoretical knowledge into practice by studying topics and themes that span the disciplines, national contexts and time periods taught by experts in the School of Modern Languages.

While knowledge of a foreign language is not a requirement for this programme, you will have the opportunity to learn a language at a variety of levels, from beginner to advanced, and to engage with material in foreign languages throughout the MA. The programme culminates in a dissertation, an extended piece of original academic research.

As a postgraduate, you will be considered a full member of the academic community, with the opportunity to participate in the many research seminars and conferences taking place within the Faculty of Arts.

Core units:
- Institutions of Culture
- Cultural Encounters
- Research Skills

You will take two additional optional units from the wide range available in the School of Modern Languages, or more broadly across the faculty.

Optional units can vary but may include:
- Global Cultures of the Book
- The Cultural Imagination of Gender
- Theories of Visual Culture: Text and Image
- The Rise of the Novel in 19th-century Europe
- Tradition and Experimentation in 20th-century Literature
- Language and Society in Present and Past
- Regional and Minority Languages
- Foreign Language Skills for Graduate Students
- Supervised Individual Study
- Theorising Violence: Colonial Encounters and Anti-colonial Reactions

Following successful completion of the taught part of the programme, you will be required to complete a dissertation of 15,000 words.

Entry requirements: An upper second-class honours degree (or international equivalent). Non-traditional qualifications/routes may also be considered.

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MSc Advanced Computing

This MSc is for students who already have a first degree in computer science or a related subject. It allows you to gain expertise with more advanced material in a range of specialist areas and covers both theory and practical application. It is suitable preparation for either a career in industry or a PhD.

The Department of Computer Science is very active in research and, for example, has the largest cryptography group in the world and one of the largest intelligent systems groups in the UK. Staff have good links with leading researchers and industrial partners internationally.

Skilled professionals and researchers who are able to apply these technologies to current problems, and thereby push the limits of what computers can effectively do, are in high demand in today’s job market.

This MSc offers taught units, studied between September and mid-June. These are based around specialised themes such as:

- Intelligent Systems
- Robotics
- High-Performance Computing
- Creative Technologies

This flexible structure allows you to shape the programme to suit your interests and career aspirations. You will decide which units to take in consultation with the programme director, informed by your previous experience. Please note that unit combinations will be subject to timetabling constraints.

After completing the taught units, you will work on a project between mid-June and late September. The project consists of researching, planning and implementing a major piece of work. The project must contain a significant scientific or technical component and will usually involve software development.

This flexible programme allows you to cover both theory and practical applications of areas suited to your interests. It also allows you to design the MSc to suit your future plans for a role either in industry or to pursue a PhD.

**Entry requirements:** An upper second-class honours degree (or international equivalent) in computer science or a related discipline. Good programming skills are essential.

**MSc Advanced Computing – Creative Technology**

Games consoles and mobile devices are now ubiquitous, and computer graphics production has developed so rapidly that the best visual effects are those that you don’t realise are there.

The Creative Technology programme is designed to introduce you to the rapidly emerging areas of computer science where technology has an impact on the creative design process. With a focus on the production of industry-relevant content, the programme introduces the theory behind animation and special effects production, interaction design and robotics. You will explore a wide range of topics, experience the entire creative design process and develop key skills in independent research.

You will study taught units between September and mid-June. After completing the taught units, you will work on a project between mid-June and late September.

**Core units:**

- Animation Production
- Character and Set Design
- Computer Graphics
- Image Processing and Computer Vision
- Research Skills
- Server Software
- Web Technologies

You may also to choose from a variety of optional units.

You must complete a project that consists of researching, planning and implementing a major piece of work. The project must contain a significant scientific or technical component and will usually involve software development. It is usually submitted in September.

For further details, including entry requirements and how to apply, see [bristol.ac.uk/pg-study](http://bristol.ac.uk/pg-study). Research programmes are listed on the Faculty of Engineering pages (pp46-47). *See p21 for more information about tuition fees.*
**Entry requirements:** An upper second-class honours degree (or equivalent) in computer science or a related discipline. Good knowledge of programming is essential.

**MSc Advanced Computing – Machine Learning, Data Mining and High-Performance Computing**

Machine learning, data mining and high-performance computing are concerned with the automated analysis of large-scale data by computer, in order to extract the useful knowledge hidden in it. Using state-of-the-art artificial intelligence methods, this technology builds computer systems capable of learning from past experience, allowing them to adapt to new tasks, predict future developments, and provide intelligent decision support. Bristol's recent investment in the BlueCrystal supercomputer — and our Exabyte University research theme — show our commitment to research at the cutting edge in this area. This programme will equip you with the skills necessary to construct and apply ML, DM and HPC tools and techniques to the solution of complex scientific and business problems.

Core units:
- Introduction to Machine Learning
- Research Skills
- Statistical Pattern Recognition
- Uncertainty Modelling for Intelligent Systems

This programme is updated on an ongoing basis to keep it at the forefront of the discipline. Optional units may include:
- Artificial Intelligence with Logic Programming
- Bio-inspired Artificial Intelligence
- Cloud Computing
- Computational Bioinformatics
- Computational Genomics and Bioinformatics Algorithms
- Computational Neuroscience
- High-Performance Computing
- Image Processing and Computer Vision
- Robotics Systems
- Server Software
- Web Technologies

You will then complete a project that involves researching, planning and implementing a major piece of work. The project must contain a significant scientific or technical component and will usually involve a software development component. It is usually submitted in September.

Skilled professionals and researchers who are able to apply the technologies covered by this programme to current problems are in high demand in today's job market.

**Entry requirements:** An upper second-class honours degree (or equivalent) in computer science or related discipline. Good knowledge of programming is essential.

**MSc Computer Science (conversion)**

This MSc conversion programme is for those with little or no previous academic computing experience and is designed for students coming from a variety of academic backgrounds. The aims of this programme are to build:

- an understanding of the theoretical basis of computer science, and its importance in software development;
- an understanding of the underlying principles of computer systems and their applications;
- a foundation in professional standards of analysis, design, implementation, testing and documentation in software development;
- an appreciation of the current state and future directions of technological advances in computer science.

At the end of the first part of the programme, you will be able to approach large-scale software engineering design in a professional manner. Emphasis is placed on design and management. The main thread is the design of large software systems, starting from the initial problem and proceeding through specification to a finished product. The main programming language used in the course is C.

In the second part of the programme you will study a selection of key topics in computer science in depth. Having studied these topics, you will have the necessary background to begin work on your final project. Furthermore, you will be capable of managing all levels of computer systems in your future careers.

The core units are:
- Databases
- Object-Oriented Programming with Java
- Overview of Computer Architecture
- Programming in C
- Research Skills
- Software Engineering and Group Project
- Web Technologies

You will also complete a project that involves researching, planning and implementing a major piece of work, and contains a significant scientific or technical component or a software development component. It is usually submitted in September.

This programme gives you an excellent background for a career in industrial or commercial organisations, and the required background in computer science to enable you to undertake further study.

**Entry requirements:** An upper second-class honours degree (or international equivalent) in any subject other than computer science. Competence in mathematics must be demonstrated, with at least a good grade in GCSE Mathematics (or equivalent) or preferably with A-level Mathematics or equivalent university-level experience.
Earth Sciences

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<th>Fees (per year)*</th>
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For further details, including entry requirements and how to apply, see bristol.ac.uk/pg-study. Research programmes are listed on the Faculty of Science pages (pp50-51).  
*See p21 for more information about tuition fees.

**MSc Palaeobiology**

This programme is for students who are passionate about early life, dinosaurs, mass extinctions, macroevolution, fossil preservation and understanding the palaeobiology of extinct organisms. It examines quantitative aspects of the fossil record and the history of life. The research-oriented MSc bridges the biology-geology divide and will provide you with a strong background for independent research to PhD level or for a career in museums, libraries, management or the media.

This interdisciplinary programme is taught mainly in the School of Earth Sciences, along with some archaeology and biology units. You will engage in current debates in evolutionary biology, systematics and palaeobiology.

You will learn how to analyse problems quantitatively, and design experimental approaches to resolving questions in macroevolution and in the study of ancient organisms. First-hand training in research methods in palaeobiology involves laboratory techniques. In addition, you will learn a range of advanced skills throughout the programme, such as computer software use, numeracy, research planning, problem-solving and communication skills. You will learn multimedia techniques for presenting palaeontological data, including through talks, posters and formal written reports. A key aspect of the programme is preparing your projects for publication, and we provide continuing support to ensure as many projects as possible are published in leading international journals.

The first half of the programme consists of lectures, practical classes, tutorials and talks from visiting speakers, designed to provide a firm foundation in the theory and methodology of the subject. All students take five core units (Current Controversies in Palaeobiology and Macroevolution; Scientific Communication; Phylogenetic Methods in Palaeobiology; Literature Review; Research Methods in Palaeobiology), and four optional units. We recommend that biologists take some of the more geologically-orientated optional units, and that geologists take some of the biological optional units. The final part of the programme consists of a research project.

**Entry requirements:** An upper second-class honours degree (or equivalent) in geology, biological sciences, environmental sciences, archaeology, anthropology or a related discipline.

**MSc Volcanology**

This MSc examines the physical processes governing the behaviour of volcanoes. The programme is taught by leading scientists who are working at the cutting edge of research into volcanoes, and will provide you with a strong background for independent research to PhD level or for a career in industry, the public sector or a non-governmental organisation.

The programme is designed to equip you with knowledge of the physical processes of volcanoes, including both sub-surface and surficial behaviour, insights into important historical eruptions, understanding of risk and risk mitigation, and instruction and experiential learning on data gathering, handling analysis and presentation to publishable standard.

You will develop a wide range of skills, such as quantitative and computational skills, including the use of statistical and data handling software; proficiency in critical analysis of scientific material from a variety of sources, including primary research documents and original data; and the ability to synthesise concise and informative material produced for a variety of audiences.

There are four core units, Physics of Volcanoes and Hazardous Flows; Scientific Communication; Literature Review (Volcanology); Research Methods in Volcanology, and a choice of optional units, plus a research project.

**Entry requirements:** An upper second-class honours degree (or equivalent) in earth sciences, geographical sciences, chemistry, physics, computer science, engineering, mathematics or a related discipline.
Economics, Finance and Management

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For further details, including entry requirements and how to apply, see bristol.ac.uk/pg-study. Research programmes are listed on the Faculty of Social Sciences and Law pages (pp52-53). *See pp21 for more information about tuition fees.

**MSc Accounting and Finance**
This taught programme will advance your knowledge beyond the material that you will have encountered in your undergraduate studies. It is research-led and will draw heavily on academic literature. In the first term you will explore contemporary issues in accounting and corporate finance and develop key skills in both quantitative and qualitative research methods. These skills will prepare you for the more advanced units taught in the second term. The final part of the MSc is a research-based dissertation. For those planning on undertaking a PhD, either at Bristol or elsewhere, the dissertation represents an important bridge between taught and advanced research studies.

This programme provides research and analytical skills that will be valuable in your future career. It is suitable for students wishing to pursue an academic or professional career in accounting and/or finance.

**Entry requirements**: This specialist programme is for students who have an upper second-class degree in accounting and/or finance. Students with a finance degree are required to have studied accounting to an appropriate level.

**MSc Accounting, Finance and Management**
This highly successful MSc programme is designed for students who want to put greater emphasis on finance, accounting and management topics in their graduate studies. The programme is academically rigorous and tailored to the needs of the current business environment.

In the first term you will develop key skills and a grounding in accounting, finance and management. This will prepare you for the more advanced units taught in the second term. The final part of the MSc is a dissertation. Throughout your studies you will learn and develop academic skills that will be relevant for future employment, such as analysis, synthesis and critical thinking.

You will study core units in Finance and Accounting, Financial Reporting; Management;
Entry requirements: A first or very good upper second-class honours degree (or equivalent) which demonstrates mathematical ability.

Graduate Diploma in Economics
This is a fast-track, nine-month programme that provides rigorous training in core skills in analytical economics and econometrics, as well as allowing some specialisation in chosen areas of the subject. It is intended for graduates whose first degree did not focus on economics. It is a free-standing qualification, enabling graduates to seek employment in economics-related fields. For graduates intending to pursue further study, the programme is designed to meet entrance requirements for postgraduate programmes at Master’s level or higher.

Three units are taken from the school’s undergraduate programmes: Econometrics, Intermediate Economics 1 with extended essay and Intermediate Economics 2 with extended essay. You must also select two specialised units from a list announced each year. A typical unit list might include: Current Economic Problems; History of Economic Thought; International Economics; Corporate Finance; Applied Microeconomics and Behavioural Economics.

Entry requirements: An upper second-class degree (or international equivalent). Entrance qualifications must include a significant mathematical/statistical component, either at degree level or a minimum of grade A at A-level Mathematics (or equivalent).

MRes Economics
The MRes in Economics is an intensive one-year taught programme that provides advanced training in economics and econometrics. It is designed for students who are interested in going on to further study at PhD level, and emphasises the knowledge and skills needed for PhD research. The programme may also be suitable for anyone planning to work as an economist outside academia, but seeking a good technical training as a foundation for their later career.

Core units cover Mathematics for Economics, Microeconomics, Macroeconomics, Econometrics and Research Methods in Economics. The final part of the MRes is a dissertation of up to 15,000 words, individually supervised by a member of staff from the economics department.

The School of Economics, Finance and Management has an international reputation for research excellence. Faculty members in the school regularly publish in top international journals and the school is expanding following substantial recent success in research funding applications.

Entry requirements: A first or good upper second-class honours degree in economics (or equivalent).

MSc Economics, Accounting and Finance
This programme aims to take graduate students with only limited knowledge of economics, accounting and/or finance and provide them with an understanding of the key concepts and current issues in the field.

You will read and assess the current literature in the main fields of economics, accounting and finance and form independent, informed judgements about it. You will then plan and embark on a programme of independent research (under appropriate supervision), undertaking a thorough literature review in a prescribed topic area or analysing economic, accounting or financial data and relating the results to theory.

The programme will provide you with a sound basis for a future career in a wide range of fields, including economics, accounting, finance, public service and teaching.

Entry requirements: A first or good upper second-class honours degree (or equivalent) that demonstrates mathematical ability.
MSc Economics and Finance
This programme is designed particularly for students who have an appropriate degree and want to expand their career options by building their expertise in finance. You will develop your understanding of economic theory and econometrics, including recent advances in the subject, and acquire a solid understanding of finance theory and its applications to financial markets and corporate finance.

You will complete four core units: Asset Pricing, Econometrics, Macroeconomics and Microeconomics, along with four optional units. The final part of the MSc is a project-based dissertation of up to 15,000 words.

Entry requirements: A first or good upper second-class honours degree (or equivalent qualification) in economics, finance, mathematics or similar discipline.

MSc Economics, Finance and Management
This programme aims to take graduate students with only a limited knowledge of economics, management and/or finance and provide them with an understanding of the key concepts and current issues in the field.

You will read and assess the current literature in the main fields of economics, management and finance and form independent, informed judgements about it. You will then plan and embark on a programme of independent research (under appropriate supervision), undertaking a thorough literature review in a prescribed topic area or analysing economic, management or financial data and relating the results to theory.

You will study core units in Economics for Finance and Management; Finance and Accounting; Management; and Quantitative Methods for Economics, Finance and Management. You will choose one option from each of the key subject areas of economics, finance and management and a fourth option from the entire range on offer. The final part of the MSc is a project-based dissertation of up to 15,000 words.

MSc Finance and Investment
This programme is suited for individuals with good undergraduate degrees in economics or accounting and finance, but a pathway through the programme also exists for those with more scientific backgrounds (e.g., an undergraduate education in mathematics, engineering or natural sciences). The programme structure is also flexible enough for you to specialise in the area of finance that suits you best.

The final part of the MSc is a research-based dissertation, which gives you an opportunity to explore an original problem, source and process the relevant financial data, analyse that data and learn to draw appropriate conclusions.

The programme provides excellent preparation for careers in investment management, financial research, trading, consulting and corporate finance, and for further academic study in finance.

Entry requirements: A first or good upper second-class honours degree in finance, accounting, economics, business, mathematics or another quantitative subject, such as engineering, physics or computing (or equivalent).

MSc Management
This is an intensive, one-year, Master's-level programme for graduates with a wide range of subject backgrounds. You will not require any prior academic or practical experience in business or management. We aim to guide, teach and develop innovative, creative and entrepreneurial people who can apply management techniques from a range of disciplines. You will gain insight into the nature of management, the complexity of organisations and how to manage change ethically.

The programme is designed to give students a good grounding in management theory across a range of core subjects, as well as allowing the opportunity to focus on particular areas of interest as the programme progresses.

Entry requirements: An upper second-class honours degree or equivalent qualification, and at least five years' relevant work experience, which should include significant managerial responsibility. In exceptional circumstances, candidates with a lower class of degree, equivalent qualifications or relevant work experience may be admitted if they can demonstrate their potential for Master's-level work.
<table>
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<td><a href="mailto:ed-masters-admiss@bristol.ac.uk">ed-masters-admiss@bristol.ac.uk</a></td>
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For further details, including entry requirements and how to apply, see bristol.ac.uk/pg-study. Research programmes are listed on the Faculty of Social Sciences and Law pages (pp52-53). *See p21 for more information about tuition fees. †Please note that the total cost of this programme is the same as the cost of an undergraduate degree programme, which is currently set at £9k p.a. Should the undergraduate fee increase in future, the PGCE fee will also increase. Check our website for the up-to-date fees.
MSc Education
The MSc Education enables students to design a tailored programme of study suited to their cultural and learning needs. Students on this programme will be able to specialise and receive awards in the following disciplinary areas:
- Leadership and Policy
- Learning, Technology and Society
- Mathematics Education
- Neuroscience and Education
- Policy and International Development
- Psychology of Education
- Special and Inclusive Education
- Teaching and Learning

These specialisms will be shown on your award, for example MSc Education (Leadership and Policy).

Alternatively, students can design their own pathways by opting not to specialise. Core units can be taken from across the different specialisms and from our bank of optional units to build a tailored programme of study, resulting in an award of MSc Education.

**Entry requirements:** A UK undergraduate honours degree (or equivalent) and normally some appropriate professional experience, which may include voluntary work as well as paid employment.

MSc Education (Leadership and Policy)
The Leadership and Policy pathway will help you develop the theoretical knowledge and skills to lead quality improvement and promote social justice within organisations. You will critically engage with ideas and practices related to leading and managing organisational change and educational effectiveness.

There are four core units: Introduction to Educational Inquiry; Education Policy in a Global Context; Quality and Improvement in Education; and Leading and Managing Change. You will also be able to take optional units from across the Graduate School of Education, and you will complete a 15,000-word dissertation.

The programme attracts a diverse cohort of professionals, who bring their unique perspectives and experience to our highly interactive teaching and learning. Graduates from the programme have gone on to become education ministers, advisers, school leaders and university-based researchers, and to lead training within business organisations.

**Entry requirements:** A UK undergraduate honours degree (or equivalent) and normally one year of professional experience in education as a teacher, administrator, university lecturer or early years practitioner.

MSc Education (Learning, Technology and Society)
Socio-technical changes create a wide range of challenges and opportunities for educators and those who support learning around the world. New digital technologies (such as credit-card sized computers, digital games, mobile devices, robots, social media, tangible technologies) are becoming embedded in our societies and being used for a wide range of purposes in educational settings.

This pathway is designed for those who wish to take a critical perspective on the use of technology to support teaching and learning. It is suitable for people with a variety of educational backgrounds and experiences, including teachers and lecturers, creative technologists, and those who support informal learning settings such as museums and public spaces.

As you look to develop your career as a leader of learning, this MSc will provide you with an in-depth understanding of socio-technical change and the uses of digital technologies to support educational initiatives in diverse contexts and settings. It will also prepare you for further research in this rapidly developing field.

**Entry requirements:** A UK undergraduate honours degree (or equivalent) and some appropriate professional experience, which could be voluntary or paid employment.

MSc Education (Mathematics Education)
This programme is designed for UK and international mathematics teachers and other professionals working in mathematics education, from primary schools to post-16 education. You will be supported in integrating the theory and practice of teaching and learning mathematics by being an active researcher of your own and others’ practice, including reworking your own practice and carrying out small-scale research projects, one of which can act as a pilot project for the major work of your dissertation.

You will also engage with research literature, especially the current journals and activity of the international group for the Psychology of Mathematics Education and new developments in teaching mathematics. The course has been recognised as excellent by the National Centre for Excellence in the Teaching of Mathematics.

**Entry requirements:** A UK undergraduate honours degree (or equivalent) and one year’s appropriate professional experience. This could include professional mathematics teaching experience, working as a learning support assistant for mathematics, or visiting mathematics classrooms as a researcher.

MSc Education (Neuroscience and Education)
Neuroscience is beginning to influence education across the world. This programme, which is offered on both a full-time and part-time basis, will provide you with the skills and understanding to integrate insights from neuroscience and education.

The programme is suitable for teachers of all subjects and across all ages, including teachers of children with special needs, educational psychologists, education managers and policy makers.

You will be supported in exploring this exciting new field through engaging with the most up-to-date research literature and becoming an active researcher drawing on findings from neuroscience,
psychology, genetics and educational research. You will carry out your own small-scale experiments and research studies, leading to the major work of your dissertation, and complete assignments that encourage written, graphical and oral communication of your ideas. For those who already possess a psychology degree, there may be the option of taking units from the Department of Experimental Psychology.

By undertaking the programme, you will become part of a broader community of study and research in the field of neuroscience and education, through lectures, seminars, tutorials and workshops.

**Entry requirements:** An upper second-class undergraduate honours degree (or equivalent).

**MSc Education (Policy and International Development)**

The Policy and International Development pathway focuses on the relationship between education policy and practice and international development. It probes the influence of global policy agendas on education and the contribution that education makes to social justice, economic growth and sustainable development.

The pathway takes a critical look at ideas about social development, such as human rights, the capability approach and peace building, and their implications for education policy and practice. There will be opportunities to explore how educational theories and practice travel between and are adapted to the specific contexts.

You will be supported to develop your own reasoned position and distinctive critical voice for commenting on education policy and education's role within social development at international, national and local level. You will have access to first-class library and information services, allowing you to study the specific ideas, issues, initiatives and policies that you are interested in.

**Entry requirements:** A UK undergraduate honours degree (or equivalent).

**MSc Education (Psychology of Education)**

This MSc provides a Master’s-level grounding in psychology, paying particular attention to its implications for education and other professional practice. This pathway will be suitable if you already hold Graduate Basis for Chartered Membership (GBC) status, or if you do not intend to work as a psychologist in the UK after graduation.

You will study alongside students on the MSc Psychology of Education BPS programme and have access to the same units. The key difference between the two programmes is that you will have more flexibility in your choice of units. You will not be required to undertake work in statistics, and can choose from a wider range of optional units.

**Entry requirements:** An upper second-class undergraduate honours degree (or equivalent) and a minimum of one year’s appropriate professional experience in settings relevant to psychology and education (e.g., schools, support services for vulnerable young people, special education).

**MSc Education (Special and Inclusive Education)**

This programme focuses on inclusive practice. It is intended for teachers and other professionals working with students who are experiencing barriers to learning and participation or other special educational needs, whether in mainstream, special schools/units, colleges or early years settings.

Supported by current research, practice and theory, the programme is designed to help you develop your knowledge, understanding and critical skills.

The programme will provide you with opportunities to explore a range of areas, such as international developments in special/inclusive education, how to work with and involve parents and children and the school’s role in promoting inclusion.

**Entry requirements:** A UK undergraduate honours degree (or equivalent) and normally one year’s experience in a professional field (either employed or on a voluntary basis).

**MSc Education (Teaching and Learning)**

This pathway provides you with the opportunity to build your own flexible programme. In common with other MSc Education students, you will take the compulsory research methods unit, Introduction to Educational Inquiry, and write a dissertation. You can choose the rest of your units from across the programmes offered by the Graduate School of Education. Your final choice of units will follow consultation with tutors in order to ensure that your choice is as coherent and useful as possible, as well as suiting your individual needs.

This programme is particularly suitable for those who already hold Master’s-level credits from a teaching qualification (e.g., PGCE) and who want to build on this foundation for their professional development.

**Entry requirements:** A UK honours undergraduate degree (or equivalent) and normally one year’s appropriate professional experience, such as a PGCE or teaching experience.

**MSc Education Management (Bristol)**

**MSc Education Management (Hong Kong)**

Our MSc Education Management programme is intended for high-achieving participants interested in a wide range of aspects of management and policy and in how learning can be enhanced through a greater knowledge and understanding of leadership and management concepts.

It is designed for individuals from diverse educational backgrounds and establishments, and from other professions, united by a commitment to developing their understanding of the theory, research, policy and practice of management and leadership in education.

This programme is delivered in Bristol and Hong Kong. Once registered, students must take units either in Bristol or Hong Kong and cannot combine attendance between countries.
Entry requirements: A UK honours degree (or equivalent) and a minimum of one year's appropriate professional experience in education. Recognition of Prior Learning is considered.

**MSc Educational Research**
The aim of the MSc Educational Research is to provide the methodological, analytical and practical expertise required to become a competent educational researcher. This is an Economic and Social Research Council-recognised programme, and one of the research training pathways that make up the South West Doctoral Training Centre.

The programme is aimed at aspirant researchers who wish to gain a Master's qualification, through six taught units (120 credit points) and a dissertation (60 credit points), to cover the required preparatory training for a PhD application. It also provides research training for PhD candidates, who are required to take four core units (80 credit points).

Entry requirements: A UK undergraduate honours degree (upper second-class honours or international equivalent) and relevant professional experience.

**PGCE Education (Secondary)**
The Graduate School of Education is an Ofsted Outstanding Provider and offers a one-year programme for graduates, leading to the Postgraduate Certificate in Education (PGCE). Each year we train approximately 200 students to teach in secondary schools. We work in partnership with approximately 70 local schools and colleges; student teachers spend two-thirds of their PGCE year on placement in at least two schools.

The Graduate School of Education also works with three local school alliances supporting School Direct non-salaried (with PGCE). We welcome applications from graduates with a wide range of experience and backgrounds. Usually two-thirds of our students are graduates of universities other than Bristol.

The programme lasts a minimum of 36 weeks and starts in early September. The structure can be thought of in terms of three major components, which are strongly interrelated: Curriculum Studies (main subject specialism); Educational and Professional Studies; School Experience. The main subjects we offer are: English, Geography, History, Mathematics, Modern Foreign Languages (French, German, Spanish, Italian in specific combinations only), Music, Religious Education and Science (Biology, Chemistry, Physics).

The programme is approved by the National College of Teaching and Leadership (NCTL) and leads to recommendation for Qualified Teacher Status (QTS).

Entry requirements: At least GCSE or O level at grade C or above (or international equivalent) in English and Mathematics; at least a lower second-class honours degree (or international equivalent) in a subject relevant to the proposed main teaching subject; a pass in the NCTL QTS Skills Tests in literacy and numeracy.

**MSc Psychology of Education BPS**
The MSc Psychology of Education provides a Master's-level grounding in psychology, paying particular attention to its implications for education and other professional practice. After successfully completing the programme, you will be eligible to apply to the British Psychological Society (BPS) for the Graduate Basis for Chartered Membership, and for the further professional training accredited by the BPS. Many students go on to careers in educational psychology, clinical psychology or neuropsychology, or engage in doctoral-level research. Entry to all of these is very competitive, but our MSc graduates have historically been very successful candidates for EdD, DEdPsych, PhD and DClinPsy courses.

After completing the MSc programme, you will typically spend at least a year building up relevant experience, for example working with special needs pupils or with vulnerable clients, before making a successful application to a professional training programme.

Entry requirements: A UK honours degree (second-class honours or international equivalent) and either a substantial academic background (at least 60 credits at undergraduate level) in psychology, or significant work experience in an area relevant to psychology. One year's appropriate professional experience relevant to psychology (eg work as a teacher, learning support assistant, assistant psychologist or volunteer in schools or settings for vulnerable clients).

**MSc Teaching English to Speakers of Other Languages (TESOL)**
This flexible programme has been developed for teachers and other TESOL professionals, such as educational administrators, inspectors, materials or curriculum developers, assessment specialists and policy makers, as well as those planning to undertake doctoral study in TESOL or applied linguistics.

The programme particularly values the professional experience that participants bring to the course. You will complete core units in Analysing Language and Communication; Language Learning. Optional units can vary from time to time but may include Globalisation and the Politics of English; Intercultural Pragmatics and Communication Language Testing and Assessment; and Teaching and Assessing Fluency and Pronunciation. You will also complete a 15,000-word dissertation.

Entry requirements: An upper second-class undergraduate honours degree (or equivalent) and a minimum of one year's classroom teaching or other relevant experience.
Electrical and Electronic Engineering

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For further details, including entry requirements and how to apply, see bristol.ac.uk/pg-study. Research programmes are listed on the Faculty of Engineering pages (pp46-47). *See p21 for more information about tuition fees.

**MSc Advanced Microelectronic Systems Engineering**

The Microelectronics group at the University of Bristol has many collaborative links with multinational companies in the microelectronics industry that have identified a shortfall in graduates with the necessary qualifications and professional skills to work in the sector. This programme has been designed to meet this need. A range of units cover core topics such as advanced architectures and system design using FPGA and DSP platforms, before progressing into more specialised areas such as digital and analogue ASIC design, integrated sensors and actuators and mixed-signal design. Changes are made periodically to reflect important emerging disciplines, such as electronics for internet of things, bio-medical applications and neuromorphic computing.

**Taught units (120 credits):**
- Engineering Research Skills
- Design Verification
- Analogue Integrated Circuit Design
- Integrated Circuit Electronics
- Digital Filters and Spectral Analysis (M)
- Advanced DSP & FPGA Implementation
- VLSI Design M
- Embedded and Real-Time Systems
- Wireless Networking and Sensing in e-Healthcare
- Device Interconnect – Principles and Practice
- Advanced Computer Architecture
- Sustainability, Technology and Business
- Computational Neuroscience
- Bio Sensors

You will also complete a final research project that comprises researching, planning and implementing a major piece of work relating to microelectronics systems design. The thesis is normally submitted by the end of September.

**Entry requirements:** An upper second-class honours degree (or international equivalent) in electrical and electronic engineering, computer systems engineering, or a related discipline in engineering or the physical sciences.

**MSc Communication Networks and Signal Processing**

This is a challenging one-year taught Master’s degree programme that provides students with a range of advanced topics drawn from communication networks (fixed and wireless) and related signal-processing, including associated enabling technologies. It provides an excellent opportunity to develop the skills needed for careers in some of the most dynamic fields in communication networks.

**Entry requirements:** An upper second-class degree from a UK university (or an international equivalent) in a numerate physical science or engineering discipline. Candidates with a lower class of degree, equivalent qualifications or relevant
work experience may be admitted if they can demonstrate their potential for higher degree work.  

**MSc Image and Video Communications and Signal Processing**  
This challenging, one-year taught Master’s degree covers a range of advanced topics drawn from the field of multimedia signal processing and communications. The programme covers the properties and limitations of modern communication channels and networks, alongside the coding and compression methods required for efficient and reliable wired and wireless audio-visual transmission. It provides students with an excellent opportunity to acquire the necessary skills to enter careers in one of the most dynamic and exciting fields in ICT.

The programme builds on the research strengths of the Communication Systems and Networks group within the Faculty of Engineering at Bristol. Both groups are highly regarded for combining fundamental research with strong industrial collaboration and their innovative research has resulted in ground-breaking technology in the areas of image and video analysis, coding and communications. Both groups offer extensive, state-of-the-art research facilities.

This MSc also provides in-depth training in design, analysis and management skills relevant to the theory and practice of the communication networks industry. The programme is accredited by the Institution of Engineering and Technology until 2018 and is one of only a handful of accredited programmes in this field in the UK.

**Entry requirements:** An upper second-class degree (or international equivalent) in a numerate physical science or engineering discipline. Candidates with a lower class of degree, equivalent qualifications or relevant work experience may be admitted if they can demonstrate their potential for higher degree work.

**MSc Optical Communications and Signal Processing**  
This programme builds on the internationally recognised research strengths of the Photonics and High Performance Networks research groups within the Smart Internet Lab. Optical fibre communications form the backbone of all land-based communications and is the only viable means to support today’s global information systems. Research at Bristol is contributing to the ever-increasing requirement for bandwidth and flexibility through research into optical switching technology, wavelength conversion, high-speed modulation, data regeneration and novel semiconductor lasers.

The programme is accredited by the Institution of Engineering and Technology until 2018, one of only a handful of accredited programmes in the UK.

Core units (120 credits in total, spread over two teaching blocks):
- Communication Systems
- Digital Filters and Spectral Analysis
- Mobile Communications
- Networking Protocol Principles
- Optoelectronic Devices and Systems
- Advanced Optoelectronic Devices
- Data Centre Networking
- Advanced Networks
- Engineering Research Skills
- Optical Communications Systems and Data Networks
- Optical Networks

A substantial research project (60 credits) is initiated during the second teaching block and completed during the summer. This may be based at the University or with industrial partners.

**Entry requirements:** An upper second-class honours degree (or international equivalent) in a numerate physical science or engineering discipline.

**MSc Wireless Communications and Signal Processing**  
This MSc covers a range of advanced topics drawn from wireless communications and communications-related signal processing, including associated enabling technologies. It provides an excellent opportunity to develop the skills required for careers in some of the most dynamic fields in wireless communications.

The programme builds on the internationally recognised research strengths of the Communications Systems and Networks group within the Smart Internet Lab. This group conducts pioneering research in a number of key fundamental and experimental work areas, including spatial channel measurements and predictions, information theory, advanced wireless access (cellular and WLAN) and RF technologies. The group has well-equipped laboratories with state-of-the-art test and measurement equipment and first-class computational facilities.

The MSc provides in-depth training in design, analysis and management skills relevant to the theory and practice of the wireless communications industry. This degree is accredited by the Institution of Engineering and Technology until 2018 and is one of only a handful of accredited programmes in this field in the UK.

**Entry requirements:** An upper second-class honours degree (or international equivalent) in a numerate physical science or engineering discipline. Candidates with a lower class of degree, equivalent qualifications or relevant work experience may be admitted if they can demonstrate their potential for higher degree work.
MSc Advanced Composites
Composite materials are increasingly replacing traditional metallic components in several industrial applications, such as aerospace engineering, wind turbine blades and the automotive industry. This MSc provides you with an in-depth theoretical understanding and practical knowledge of advanced composite materials.

The programme is based in the Advanced Composites Centre for Innovation and Science (ACCIS), one of the world’s leading centres in composite materials, which houses a number of state-of-the-art composites manufacturing facilities. ACCIS has strong industrial and research links with companies like Rolls-Royce, Airbus, BAE Systems and GE Aviation as well as government research labs.

Core subjects that you will study are Composites Design and Manufacture; Smart Materials; Nanocomposites and Nano Engineering; Research Skills; Elements of Polymer Composites; and either Advanced Composites Analysis or Structures and Materials.

You will select from a list of optional units. To complete the programme you will carry out a research project, which may be either academically or industrially led.

**Entry requirements:** An upper second-class honours degree (or equivalent) in an engineering discipline or in a closely related field.

MSc Advanced Mechanical Engineering
The main objective of this programme is to produce graduates with the ability to plan, execute and produce reports on technical projects for industry and academia. The programme is composed of taught units, assessed by examination and coursework submission, and a major research project supervised by academic staff in the department.

Four mandatory units, each worth 10 credits, are designed to develop your skills of investigation, system analysis and project planning: Finite Element Analysis; Literature Review; Power Generation for the 22nd Century; and Research Project Proposal. You will also be able to choose eight optional 10-credit units. Each student is allocated an individual project, worth 60 credits, which is supported from within the department through the three main research groups: Dynamics and Control, Design and Process Engineering, and Solid Mechanics. Provided that the content is academically rigorous, industrially-related projects are possible, through either your own contacts or the department’s strong links with major companies such as Airbus UK, BAE Systems, Bechtel, British Energy, Nestlé, Qinetiq Ltd, Renishaw, Renold Chain and Rolls-Royce.

The facilities and expertise in the Department of Mechanical Engineering have earned us consistently high rankings in university league tables and an internationally excellent rating for research.

**Entry requirements:** An upper second-class honours degree (or international equivalent) in an engineering-based subject.

MSc Biomedical Engineering
Biomedical engineering is an emerging field in the UK that involves applying physical, chemical, mathematical, computer science and engineering principles to the analysis of biological, medical, behavioural and health-related problems. Biomedical engineers develop innovative devices and procedures to help prevent, diagnose and treat diseases. It relies on an in-depth understanding of science and engineering techniques. Biomedical engineers are trained to bridge the gap between scientists and healthcare professionals.

Programme Awards Duration Fees (per year)* Contact
Advanced Composites MSc 1yr FT UK £10,200 FT Overseas (non-EU) £19,700 fen-pgadmissions@bristol.ac.uk
Advanced Mechanical Engineering MSc 1yr FT UK £10,200 FT Overseas (non-EU) £19,700 fen-pgadmissions@bristol.ac.uk
Biomedical Engineering MSc 1yr FT UK £9,600 FT Overseas (non-EU) £19,700 choosebristol-pg@bristol.ac.uk
Nuclear Science and Engineering MSc 1yr FT UK £10,200 FT Overseas (non-EU) £21,100 nuclear-msc@bristol.ac.uk
Robotics MSc 1yr FT; 2yrs PT UK £10,200 FT UK £5,100 PT Overseas (non-EU) £19,700 fen-pgadmissions@bristol.ac.uk
Water and Environmental Management MSc 1yr FT; 2yrs PT UK £10,200 FT UK £5,100 PT Overseas (non-EU) £19,700 fen-pgadmissions@bristol.ac.uk

For further details, including entry requirements and how to apply, see bristol.ac.uk/pg-study. Research programmes are listed on the Faculty of Engineering pages (pp46-47) or the Faculty of Science pages (pp48-49). *See p21 for more information about tuition fees.
fundamentals, combined with a broad knowledge of physiological and anatomical systems.

This programme allows you to gain expertise in this exciting field and covers both theory and practical applications. You will acquire the analytical tools and broad physical knowledge of modern engineering and science, as well as a fundamental understanding of anatomical and physiological systems, and familiarity with recent technological breakthroughs.

**Entry requirements:** An upper second-class honours degree (or international equivalent) in engineering (preferably electrical, mechanical and computer science) or a subject related to biomedical engineering.

**MSc Nuclear Science and Engineering**

This MSc delivers a solid grounding in the science and engineering principles that underpin the global nuclear industry. Throughout the programme you will benefit from a connection, via the South West Nuclear Hub, to the University of Bristol’s UK-leading industrial research. This environment of collaboration with key industrial partners enriches your learning experience and exposes you to the scientific and engineering challenges facing nuclear energy today.

The programme addresses five key themes: the nuclear cycle; nuclear reactor materials and design; nuclear structural integrity; nuclear professionalism and nuclear systems; infrastructure, hazards and risk.

Teaching consists of core lecture-based units in science and engineering: Fundamentals of Nuclear Science; Nuclear Reactor Engineering; Nuclear Material Behaviour; Nuclear Reactor Physics; and Nuclear Fuel Cycle.

The Research Skills and Group Project units help develop the skills needed to work in this area, including industry-focused workshops, and lead to a major individual research project, which you will complete over the summer.

**Entry requirements:** An upper second-class honours degree (or equivalent) in engineering, physics or a related subject. Alternative relevant professional experience or qualifications may also be considered on a case-by-case basis.

**MSc Robotics**

The MSc in Robotics will provide you with the ability to understand, design and implement modern robotic systems. Robotics is increasingly prominent in a variety of sectors, from manufacturing and health to remote exploration of hostile environments such as space and the deep sea, and as autonomous and semi-autonomous systems that interact with people physically and socially.

This programme exposes you to a wide range of advanced engineering and computer science concepts, with the opportunity to carry out a practical robot project at the Bristol Robotics Laboratory, one of the UK's most comprehensive robotics innovation facilities and a leading centre of robotics research.

The programme is jointly awarded and delivered by the University of Bristol and the University of the West of England, both based in Bristol, and therefore draws on the combined expertise, facilities and resources of the two universities.

The Bristol Robotics Laboratory is a collaborative research partnership between the two universities with a vision to transform robotics by pioneering practical robot project at the Bristol Robotics Laboratory, one of the UK’s most comprehensive robotics innovation facilities and a leading centre of robotics research.

Core units provide a common platform of underpinning skills and knowledge at Master’s level in the basics of water and environmental management. The units aim to provide you with mathematics, computing and research skills, together with a firm understanding of fundamental processes that govern water movement through the atmosphere, atmosphere-biosphere interactions and water flows through river catchments. These units also explore how this fundamental understanding leads to environmental management, policy and legislation at local, national and international levels.

Core units include:
- Research Skills; Environmental Management, Policy and Regulation; Terrestrial Hydrometeorology; Surface and Groundwater Hydrology; Introduction to Environmental Statistics using MATLAB; and Numerical Analysis using MATLAB. In addition, you will choose two optional units. The programme is completed by submitting a research-based dissertation.

**Entry requirements:** An upper second-class honours degree in engineering, physics, mathematics or a related subject. Other disciplines will be considered on a case-by-case basis.

**MSc Water and Environmental Management**

This programme provides the skills and knowledge required for a career in water and environmental management. You will acquire academic and practical skills, as well as developing a detailed knowledge of fundamental environmental processes and the ways in which these need to be managed sustainably. The programme is taught by leading practitioners, including personnel from the Environment Agency and the Department of Environment, Food and Rural Affairs.

Core units provide a common platform of underpinning skills and knowledge at Master’s level in the basics of water and environmental management. The units aim to provide you with mathematics, computing and research skills, together with a firm understanding of fundamental processes that govern water movement through the atmosphere, atmosphere-biosphere interactions and water flows through river catchments. These units also explore how this fundamental understanding leads to environmental management, policy and legislation at local, national and international levels.

Core units include:
- Research Skills; Environmental Management, Policy and Regulation; Terrestrial Hydrometeorology; Surface and Groundwater Hydrology; Introduction to Environmental Statistics using MATLAB; and Numerical Analysis using MATLAB. In addition, you will choose two optional units. The programme is completed by submitting a research-based dissertation.

**Entry requirements:** An upper second-class honours degree in a relevant subject (or equivalent qualification).
English Literature

<table>
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<tr>
<th>Programme</th>
<th>Awards</th>
<th>Duration</th>
<th>Fees (per year)*</th>
<th>Contact</th>
</tr>
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<tbody>
<tr>
<td>English Literature</td>
<td>MA</td>
<td>1yr FT; 2yrs PT</td>
<td>UK £6,600 FT; UK £3,300 PT; Overseas (non-EU) £15,500</td>
<td><a href="mailto:artf-pgadmissions@bristol.ac.uk">artf-pgadmissions@bristol.ac.uk</a></td>
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</table>

For further details, including entry requirements and how to apply, see bristol.ac.uk/pg-study. Research programmes are listed on the Faculty of Arts pages (pp42-43). *See p21 for more information about tuition fees.

MA English Literature

The MA in English Literature allows you to deepen your passion for literature while developing the rigorous specialist skills essential to postgraduate-level research. With the help and support of one of the leading English departments in the country, we aim to provide a stimulating and challenging intellectual experience in a friendly, supportive environment.

The programme offers three pathways (Shakespeare and Renaissance Literature; Romantic and Victorian Literature; and 20th-century and Contemporary Literature) which build on the core research strengths of the department. If you wish to focus on a particular period you may follow a single pathway. Alternatively, if you want to broaden your engagement with English literature, you may choose a combination of pathways and optional units. All students are taught the specialist skills required for postgraduate-level research and the practical skills that academic life demands. Everyone is expected to enter fully into the wider academic community of the department and the University.

In the first semester you will study Introduction to Literary Research and one pathway unit. In the second semester you will take two pathway units or one academic conference unit, along with one further unit. Following successful completion of the taught course, you must complete a 15,000-word dissertation.

Optional units vary each year but may include: Charles Dickens; U.S. Postmodernist Fiction; Literature and Medicine; Public Role of the Humanities; Shakespearean Tragedy: Textual and Literary Criticism; Victorian Afterlives; and Writing for Art.

Students who completed the MA programme in English Literature have been successful in obtaining employment in the media, journalism, publishing, the theatre, arts administration and various kinds of teaching, as well as in industry, commerce, law, computing, accountancy, human resources and social work. Many English MA graduates continue their studies by taking up MPhil/PhD programmes.

Entry requirements: An upper second-class honours degree (or international equivalent). Non-traditional qualifications/routes may also be considered.
Film and Television

**Programme**

- **Film and Television**

**Awards**

- MA

**Duration**

- 1yr FT;
- 2yrs PT

**Fees (per year)***

- UK £8,200 FT
- UK £4,100 PT
- Overseas (non-EU) £17,200

**Contact**

artf-pgadmissions@bristol.ac.uk

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**MA Film and Television**

This programme offers an exciting combination of both film-making practice and textual and historical approaches to the study of film and television. As a student on this innovative programme, you will be taught film production skills, working intensively in small groups to explore aesthetic possibilities and gain insights into the craft and industry of screen media. You will also engage with critical perspectives and develop high-level research and analysis skills.

In the first semester, you will be taught skills and techniques of formal analysis and practical film-making, providing the foundation for optional units across the year, such as Writing and Directing, Screen Histories, and Making Short Fiction. In the second semester, you will gain knowledge of research methods relevant to the dissertation stage.

Optional units offer the chance to specialise in different areas of practical film-making and to gain a greater understanding of specific areas around the history and aesthetics of film and television.

Optional units can vary from year to year, but may include Writing and Directing, Screen Histories, Television Forms and Making Short Fiction. Other options include Translation for Subtitling (Chinese-English), Screen Style and Aesthetics, and Making Short Fiction.

At the dissertation stage, you will have the opportunity to undertake a placement in creative industry, to undertake an in-depth study of film and television by means of a traditional dissertation, or to produce a mixed-mode investigation through film practice, either individually or in a team, supervised by academic advisers.

The University of Bristol has more than 40 years of experience in this field and the programme draws on the expertise of world-leading scholars, expert practitioners and industry professionals.

The Department of Film and Television hosts a series of research seminars and industry masterclasses designed to enrich your studies. Facilities include a 209-seat cinema, production studio, animation and edit suites, seminar rooms and sound rooms.

Bristol is an excellent city in which to study film and television, with its varied cinema, television and digital media spaces, such as the Arnolfini, BBC Bristol, The Cube and Watershed Media Centre. Bristol’s Harbourside is home to an array of film festivals, including the Encounters Short Film and Animation Festival, the Slapstick Festival, and the Afrika Eye Festival.

Graduates of film and television at Bristol have taken up careers as film-makers, programme researchers, senior academics and broadcasting executives.

**Entry requirements:** An upper second-class honours degree (or international equivalent). Non-traditional qualifications/routes may also be considered. Entry does not require practical experience of film-making or background in film studies, but evidence of a commitment to film/TV appreciation or creative/industrial practice is desirable. All applicants will be asked a set of questions as part of their online application.

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For further details, including entry requirements and how to apply, see [bristol.ac.uk/pg-study](http://bristol.ac.uk/pg-study). Research programmes are listed on the Faculty of Arts pages (pp42-43).

*See p21 for more information about tuition fees.*
**MSc Climate Change Science and Policy**

Concern about global environmental change has never been greater. The University of Bristol’s MSc in Climate Change Science and Policy trains highly skilled graduates for professional employment in the public and private sectors, academia, consultancies and non-governmental/advocacy organisations.

The curriculum is aimed at talented graduates seeking to enter, or further their knowledge in, the fields of climate change science, policy and analysis. The programme is provided by the School of Geographical Sciences, one of Bristol’s leading science departments, with world-class research groups in four key areas:

- Climate change science and its links to policy and policy-makers
- Modelling of the Earth System, from simple box models to complex climate models
- Remote sensing of the environment and geographical information systems
- Understanding past climate change and making predictions of future change.

The programme is closely linked to the renowned Cabot Institute, which brings together all of the University’s research into the changing global environment across the sciences, social sciences and engineering.

Core units:
- Climate Change MSc Research Project
- MSc Literature Review with report and presentation
- Climate Change: Science and Impacts
- Environmental Policy and Politics
- An Introduction to GIS and Remote Sensing for Environmental Policy and Management
- Earth System Modeling.

You will complete a research project between January and September. During phase one of the project, you will research background material and develop basic practical skills, in preparation for the main phase of the project starting in May. You will choose your main project supervisor at the start of this phase. The project is assessed through a literature review and a seminar that outline the background to the project, implications for policy and the work to be carried out in phase two. Feedback is given throughout this phase, to develop your research skills.

In phase two you will conduct an independent investigation into a chosen topic, supervised by one of the academic team. The project is to be submitted as a written thesis and the main findings will be presented in a research colloquium.

**Entry requirements:** An upper second-class honours degree (or international equivalent) in a scientific discipline such as chemistry, physics, engineering, mathematics, biology, earth sciences or geographical sciences.

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**MSc Environmental Policy and Management**

This programme is aimed at talented graduates seeking to develop or enhance their expertise in the fields of environmental policy, management, protection and advocacy. Through a demanding academic curriculum and practice-based learning opportunities, students develop the skills and knowledge needed for professional employment in the public, private and non-profit sectors.

The programme is provided by the School of Geographical Sciences, one of the top-ranked geography departments in the UK and a highly regarded centre for research and teaching in environmental processes, systems and the social sciences. Staff in the school have been directly involved in advising the Intergovernmental Panel on Climate Change and regularly engage with policy-makers, industry and non-profit organisations at local, national and international levels.

The programme is closely affiliated with the University's Cabot Institute, which promotes multidisciplinary research around global environmental change, and benefits from our location in the city of Bristol, the 2015 European Green Capital and a vibrant hub of environmental activism and technological innovation.

The programme consists of six compulsory taught units and a dissertation project. Taught units delivered by social scientists provide training in corporate governance and risk management; public policymaking for environmental protection;
policy analysis and consultancy skills; statistical methods; and the analytical techniques of geographical information systems (GIS).

Natural scientists introduce students to fundamentals of climate science and the analysis of remotely sensed data. Students then complete a research dissertation on an environmental topic of their choice, either independently or in partnership with an external organisation in the public, private or non-profit sector.

**Entry requirements:** An upper second-class honours degree (or equivalent).

**MSc Human Geography: Society and Space**

Human geography is a dynamic discipline with profound influence on current debates in the social sciences and humanities. Human geographers focus on the relationships between space and society, in particular the interconnection between environment, place and identity, knowledge, globalisation processes, social justice, and a variety of other themes of crucial relevance in our contemporary world.

This programme provides you with a rigorous grounding in social theory and mainstream debates and techniques in human geography. It also offers a thorough training in qualitative and quantitative methods. The MSc is closely linked to the University’s Cabot Institute, which brings together multidisciplinary research into all aspects of global environmental change.

The programme equips you for careers in high-level public research, business and the creative industries, and provides an outstanding academic training for prospective PhD students.

**Core units:**
- Experimental Geographical Methods: Practising Post-Humanism in Social Research
- Theorising Society and Space

Optional units can change from year to year, but may include:
- Affect/Biopolitics/Technologies
- Explanation, Causation and Longitudinal Analysis
- Geographies of Time and Timing
- Geographies of Knowledge
- Practical Statistics for Use in Research and Policy
- Post-Colonial Matters.

ESRC-funded students must take either of the following:
- Explanation, Causation and Longitudinal Analysis
- Practical Statistics for Use in Research and Policy.

You will also complete a research-based dissertation of up to 15,000 words. You begin work on the dissertation in May and submit by the middle of September.

**Entry requirements:** An upper second-class honours degree (or equivalent) in an appropriate subject.
Health Sciences

<table>
<thead>
<tr>
<th>Programme</th>
<th>Awards</th>
<th>Duration</th>
<th>Fees (per year)*</th>
<th>Contact</th>
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<tbody>
<tr>
<td><strong>Health Sciences Research</strong></td>
<td>MRes, PG Certificate</td>
<td>1yr FT; 2yrs PT</td>
<td>UK £5,000 FT; UK £2,500 PT;</td>
<td><a href="mailto:healthsciences-mres@bristol.ac.uk">healthsciences-mres@bristol.ac.uk</a></td>
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<td>Overseas (non-EU) £14,900;</td>
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<td>Additional: £4,000†</td>
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<tr>
<td><strong>Health Sciences Research (Translational Cardiovascular Medicine)</strong></td>
<td>MRes</td>
<td>1yr FT; 2yrs PT</td>
<td>UK £5,000 FT; UK £2,500 PT;</td>
<td><a href="mailto:healthsciences-mres@bristol.ac.uk">healthsciences-mres@bristol.ac.uk</a></td>
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<td></td>
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<td></td>
<td>Additional: £4,000††</td>
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<td><strong>Molecular Neuroscience</strong></td>
<td>MSc</td>
<td>1yr FT; 2yrs PT</td>
<td>UK £8,500 FT; UK £4,250 PT;</td>
<td><a href="mailto:molneuro-msc@bristol.ac.uk">molneuro-msc@bristol.ac.uk</a></td>
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<td>Overseas (non-EU) £18,200;</td>
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<td>Additional: £2,000</td>
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<td><strong>Reproduction and Development</strong></td>
<td>MSc, PG Diploma, PG Certificate</td>
<td>1yr FT; 2yrs PT</td>
<td>UK £7,600 FT; UK £3,800 PT;</td>
<td><a href="mailto:repromed-admin@bristol.ac.uk">repromed-admin@bristol.ac.uk</a></td>
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<td>Overseas (non-EU) £18,800;</td>
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<td><strong>Stem Cells and Regeneration</strong></td>
<td>MSc, PG Diploma, PG Certificate</td>
<td>1yr FT; 2yrs PT</td>
<td>UK £7,600 FT; UK £3,800 PT;</td>
<td><a href="mailto:stemcells-msc@bristol.ac.uk">stemcells-msc@bristol.ac.uk</a></td>
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<td>Overseas (non-EU) £18,800;</td>
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<td>Additional: £2,000†††</td>
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<td><strong>Teaching and Learning for Health Professionals</strong></td>
<td>MSc, PG Diploma, PG Certificate</td>
<td>DIP &amp; CERT: 1-3yrs PT;</td>
<td>UK £1,310 per 20-credit unit;</td>
<td><a href="mailto:thp-office@bristol.ac.uk">thp-office@bristol.ac.uk</a></td>
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<td>MSc: A further 1-2yrs PT;</td>
<td>Overseas (non-EU) £3,720 per 20-credit unit</td>
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<tr>
<td><strong>Translational Cardiovascular Medicine</strong></td>
<td>MSc, PG Diploma, PG Certificate</td>
<td>1yr FT; 2yrs PT</td>
<td>UK £7,600 FT; UK £3,800 PT;</td>
<td><a href="mailto:socscardiology-msc@bristol.ac.uk">socscardiology-msc@bristol.ac.uk</a></td>
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<td>Additional: £2,000†††</td>
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For further details, including entry requirements and how to apply, see bristol.ac.uk/pg-study. Research programmes are listed on the Faculty of Health Sciences pages (pp48-49).

†Please note that the total cost of this programme (tuition fee plus bench fee) is the same as the cost of an undergraduate degree programme, which is currently set at £9,000 per year. Should the undergraduate fee increase in future, the MRes fee will also increase. Check our website for the up-to-date fees. ††Bench fee for “wet” projects.

*See p21 for more information about tuition fees.

MRes Health Sciences Research
This programme aims to provide you with a firm foundation in biomedical research by enhancing your knowledge, understanding and critical awareness of the scientific method and practical experience in an area related to your interests. Taught units provide intensive training in research methodology, experimental design, statistical analyses and data interpretation. The core of the programme is an eight-month research project.

The programme is suitable for medical, dental and veterinary students interested in pursuing a research-intensive intercalation option after three years of study. It is also suitable for graduates in medicine, dentistry, veterinary science and bioscience subjects who wish to develop their research skills.

**Entry requirements:** For intercalators and graduates in medicine, dentistry and veterinary sciences, a mark of at least 60 per cent is required. For science graduates, the entry requirement is an upper second-class honours degree (or international equivalent).

MRes Health Sciences Research (Translational Cardiovascular Medicine)
This programme aims to provide you with a firm foundation in biomedical research methodology, focused on translational cardiovascular medicine, by enhancing your knowledge, understanding, critical awareness and practical research experience in this area. The programme provides a firm theoretical grounding in the scientific principles and clinical applications of translational cardiovascular medicine, as well as intensive training in research methodology, experimental design, statistical analyses, data interpretation and science communication.

bristol.ac.uk
It is suitable for clinical and bioscience graduates who wish to develop their research skills within this exciting field, or for clinical students interested in pursuing a research-intensive intercalation option after three years of study.

**Entry requirements:** An upper second-class degree for bioscience graduates. At least 60 per cent for clinical graduates or intercalators (or international equivalents).

**MSc Molecular Neuroscience**
This programme provides intensive training in the neurosciences as they relate to the physiologic function and behaviour of the organism. It builds on the broad research strengths of recognised scientists, particularly in basic and clinical neuroscience, molecular and cell biology, neuroendocrinology, behaviour, neurodegeneration and psychopharmacology.

Throughout the programme, basic principles will be taught and illustrated in the context of various brain diseases, including psychiatric and neurodegenerative disorders.

The MSc will be of interest to those with medical training who want to diversify into research, and to science graduates who wish to develop their knowledge and skills before embarking on a doctoral research programme.

**Entry requirements:** An upper second-class (or exceptionally, a lower second-class) honours degree (or international equivalent) in a relevant subject.

**MSc Reproduction and Development**
This innovative distance-learning programme provides a comprehensive theoretical foundation in the areas of human reproduction and development. The programme is designed to appeal to a wide range of postgraduate students, including scientists, nurses and clinicians. Residential workshops will be held in Bristol, while each distance-learning unit comprises online tutorials and lectures, with assessment by essays and online questions.

Core units include Reproductive Physiology and Endocrinology, which covers the structure, function and development of the organs of the male and female reproductive system Human Development and Pregnancy, which explores the principles of human fetal and newborn development and growth.

**Entry requirements:** An upper second-class honours degree (or international equivalent) in either medicine, a biological or related science, nursing or midwifery. Basic computer skills, including word-processing and email. All students will need to provide evidence of Hepatitis B immunity if they wish to perform laboratory practicals. A blood test showing antibody levels to the Hepatitis B surface antigen (HBsAb) of >10 IU/L will fulfil this requirement.

**MSc Stem Cells and Regeneration**
This innovative MSc programme is taught online and will provide you with knowledge and understanding in the highly topical and exciting field of stem cell biology and regeneration. You will be guided from the origins of this field through to its application in treating human disease, covering the latest tools and technologies available for study in this area.

Using a creative distance-learning model, the programme delivers lectures, online discussions and assessments over the internet. You will only be required to visit Bristol for your formal examinations at the end of the academic year.

**Entry requirements:** An upper second-class (or, exceptionally, a lower second-class) honours degree in a relevant subject (science or medicine). Basic computer skills, including word-processing and email.

**MSc Teaching and Learning for Health Professionals**
This programme provides development in teaching skills for health professionals, with a modular unit structure that builds up to a Postgraduate Certificate, Postgraduate Diploma or MSc. The programme emphasises the practical application of educational methods and theory and the development of reflective, evidence-based practice. There is a positive, student-centered approach to teaching and learning. Interactive, small-group teaching and the flexible, friendly support received by learners are among the many strengths of the programme, as well as the networking and contacts enjoyed by students in their future careers. Teaching takes place in Bristol and at other convenient venues in the Severn Deanery area.

**Entry requirements:**
- Relevant first degree (or international equivalent) from a recognised institution with good final grades; or a relevant professional qualification with at least three years’ full-time (or equivalent part-time) professional experience.
- Currently working in the health professions or a health service environment.
- Currently undertaking some form of teaching (or support of learning) with the opportunity to be observed in a teaching role.
- Basic computer literacy.

**MSc Translational Cardiovascular Medicine**
This programme aims to develop your interest in translational cardiovascular research and medicine and equip you with an enhanced knowledge, understanding and critical awareness of the current approaches and emerging research in this area. The programme provides a firm theoretical grounding in the basic scientific principles and clinical applications of translational cardiovascular medicine, and will help you to develop essential skills and prepare for employment or a further higher degree in this field. In addition, you will be introduced to key practical techniques employed in this field.

**Entry requirements:** An upper second-class (or, possibly, a lower second-class) honours degree in a science or medicine-related subject. Basic computer skills, including word-processing and email.
History

The MA in History offers you the opportunity to explore a variety of approaches – intellectual, political, cultural, social and economic – across a broad chronological and geographical range. The programme provides a high degree of choice across the department’s key areas of expertise, with particular strengths in medieval and early modern history; contemporary British and European history; imperial, global and transnational history; and public history.

Given the range of research and teaching in the department, we are confident you will find units that reflect your own interests. Alternatively, you may prefer not to specialise, and instead obtain a broad sense of historical subjects, themes, debates and methodologies.

The MA comprises six taught units and a research dissertation. Teaching on the programme moves from lectures, through seminars, to one-on-one supervision. Likewise, the focus develops from broader units, through more specialised ones, to your chosen dissertation topic.

You begin with a series of core and optional units. All students take Academic Research and Writing and Approaches to History – core MA units that enable you to develop critical research skills and approaches that underlie the later assessments.

You also choose a further unit from a wide range of Lecture Response Units (interactive units that combine seminar and lecture elements) on subjects that span the period from 1000 to the present. Lecture response units from previous years have included: Communist Worlds; Constructing the Other; Death, Doctors and Disease; Holocaust Landscapes; and Modern Latin American Revolutions. Alternatively, in place of the lecture response unit you may choose the specialist skills unit Research Skills for Medievalists, which provides training in palaeography and manuscript studies.

In the second teaching block, you will select three primary source-based seminar units. Units that have run in recent years include: The English Reformation; Public History in Theory and Practice; Ideology, Poverty, Famines; Medieval and Early Modern Colonialism: the English in Ireland; and Bristol, c1000-1542.

In the third semester, you will write a primary source-based dissertation of up to 15,000 words, supervised one-on-one by an academic in the department. You will identify the subject for your dissertation in the spring, but most of the research is conducted over the summer. The dissertation is submitted in mid-September.

Students who completed the MA History have taken up careers as history teachers, researchers in a number of different fields and image and data capture assistants. A number of MA graduates have gone on to take an MPhil/PhD in History and develop careers as research academics.

**Entry requirements:** An upper second-class honours degree (or equivalent). Non-traditional qualifications may also be considered.

For further details, including entry requirements and how to apply, see bristol.ac.uk/pg-study. Research programmes are listed on the Faculty of Arts pages (pp42-43). *See p21 for more information about tuition fees.*
History of Art

The Department of History of Art offers a broad-based Master’s programme, which allows you to study a range of periods and approaches, before specialising for your dissertation. The MA draws on the research strengths of all members of the department, which includes specialists in medieval, renaissance and modern art.

We aim to help you develop an informed understanding of the main strands of art history, as practised in Europe and North America. We also offer curatorial units in collaboration with external museum partners, through which you will learn to research and catalogue museum collections and to mount exhibitions.

You will study two core units and then select four optional units. Part-time students study the core units in the first year and stagger their optional units across the two years of the degree.

Optional units can vary each year but may include:

- Art and Memory
- Art in Russia and the Soviet Union
- Curating the Theatre Collection
- Collaborative Curatorial Unit
- Realism
- Text and Image
- Weimar Women: Representing Modernity

The research component of the programme, the dissertation, is written over the summer and submitted in September.

Our students are drawn from a variety of backgrounds. Some have undergraduate degrees in art history, others do not, and some are working artists. Studying for the MA is a chance to become part of a thriving academic community, with a sizeable and close-knit student body and a lively programme of research and social events.

Students who completed the MA in History of Art have gone on to careers as journalists, art consultants, buying and marketing executives, and gallery assistants.

**Entry requirements:** An upper second-class honours degree (or international equivalent). Non-traditional qualifications/routes may also be considered.

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**Programme** | **Awards** | **Duration** | **Fees (per year)*** | **Contact**
---|---|---|---|---
**History of Art** | MA | 1yr FT; 2yrs PT | UK £6,600 FT; UK £3,300 PT; Overseas (non-EU) £15,500 | artf-pgadmissions@bristol.ac.uk

For further details, including entry requirements and how to apply, see [bristol.ac.uk/pg-study](http://bristol.ac.uk/pg-study). Research programmes are listed on the Faculty of Arts pages (pp42-43).

*See p21 for more information about tuition fees.*
Innovate. MSc Innovation and Entrepreneurship
Do you want to change the world? Our innovation programmes will set you on your way.

The innovators of the 21st century will bring together arts, science, engineering, humanities and enterprise to deliver innovative products, services and ways of living. They will be team players, with a breadth of skills enabling them to work across specialisms and cultures. They will be designers and entrepreneurs, and have a passion for style, efficiency and sustainability. Bristol's innovation programmes are for people who want to pursue their subject specialism in a way that enables them to apply it: to become innovators who can change the world.

Our aim is to educate a new generation to create and grow innovative companies and social enterprises. The MSc Innovation and Entrepreneurship programme aims to develop the high-level skills and critical competencies needed for successful innovation and entrepreneurship, through a practice-orientated approach based on collaborative teamwork across disciplines and cultures. It teaches students how to apply their subject-specific knowledge to real-world challenges through a range of transdisciplinary units focusing on innovation-led entrepreneurial skills, design and systems thinking, making and testing. Students will be equipped to apply their knowledge and skills to address key issues such as health, education and the environment.

You will start by learning to work in teams and find out about both design thinking and systems thinking. This combination can deliver a holistic understanding of a genuine problem or need, generate ideas that will transform both the system and lives of users, while ensuring the new system is sustainable. You will work in multidisciplinary teams to take on a series of innovation and entrepreneurial challenges. You will gain insight into the technological, social and political influences on design and innovation, drawing on case studies of success and failure to help you think about future opportunities.

In the second teaching block you will explore solutions for a real-world client, iterating to develop an unexpected range of possibilities and creating prototypes to test with real customers or users. You will find out how to assess the feasibility, sustainability and desirability of a proposed venture, how to create business plans and how to assess whether your ideas will work.

In your final project over the summer, you will work in teams to pull together all you have learned – to create and trial a prototype for an innovative product or service, or a social innovation. You will put together a detailed enterprise plan to accompany your prototype, including market analysis, intellectual property searches, resource profiles, financial plans, user testing and opportunities for investment.

You will graduate with a portfolio of work to show what you have been able to do and will have a network of professional contacts to draw on. You will also be able to go on to further study, either in the UK or internationally.

Entry requirements: An upper second-class honours degree (or equivalent), references, suitable personal statement and an innovation pitch.
International Development

Programme | Awards | Duration | Fees (per year)* | Contact
--- | --- | --- | --- | ---
Development and Security | MSc | 1yr FT; 2yrs PT | UK £7,400 FT UK £3,700 PT Overseas (non-EU) £15,700 | spais-mscenquiries@bristol.ac.uk

East Asian Development and the Global Economy | MSc | 1yr FT; 2yrs PT | UK £7,400 FT UK £3,700 PT Overseas (non-EU) £15,700 | spais-mscenquiries@bristol.ac.uk

International Development | MSc | 1yr FT; 2yrs PT | UK £7,400 FT UK £3,700 PT Overseas (non-EU) £15,700 | spais-mscenquiries@bristol.ac.uk

For further details, including entry requirements and how to apply, see bristol.ac.uk/pg-study. Research programmes are listed on the Faculty of Social Sciences and Law pages (pp52-53). *See p21 for more information about tuition fees.

MSc Development and Security
This innovative programme explores the links and tensions between development and security concerns in theory and practice. Specifically, it builds on the unique combination of expertise and experience in the school to:
- examine the nature of violent conflict in the world today and the international community’s response to it;
- locate this analysis in a comprehensive theoretical understanding of wider development and security studies debates and controversies, particularly in relation to evolving patterns of global governance;
- explore these issues and dilemmas through contemporary, empirical case studies.

The MSc programme comprises six 12-week taught units and six assessed essays followed by a dissertation. You will study core units in Conflict, Security and Development; Theories of Development; and Theoretical Approaches to Security Studies. You will also take three optional units. Options vary each year but may include: Development Skills in Practice; Environmental Politics; Faith and Development; and US Security Policy.

**Entry requirements:** An upper second-class honours degree (or equivalent qualification). Degrees from all disciplines are considered.

MSc East Asian Development and the Global Economy
This programme aims to develop your interest in and understanding of the economic, cultural and social transformations of the East Asian region. In particular it explores East Asian development within the global economy, the contrasting fortunes of the region’s key economies, the specific features of the business and commercial sectors in the region and the developing patterns of trade within East Asia and between East Asian nations and other regions of the world. Optional units offer more detailed examination of developments in the Chinese economy and the political and economic relations between Europe and East Asia.

The MSc programme comprises six taught units, normally taught over 12 weeks, and six assessed essays, followed by a dissertation. You must complete the three core units: East Asia and Global Development; International Political Economy; and Theories of Development. You can also choose three units from across the range of options offered within the school. Options vary each year but may include: Conflict, Security and Development; Environmental Politics; Faith and Development; International Development Organisations; and China’s International Relations.

**Entry requirements:** An upper second-class honours degree (or equivalent) in any subject.

MSc International Development
This programme is designed for a wide range of people involved in conceptualising or administering policies for a sustainable and substantial level of development in the world’s poorer countries. The programme combines an intellectual and academic approach with policy-oriented and empirical studies of development, addressing three interrelated but separate facets of the development process:
- analysing what development means;
- studying the processes of planning (external aid, regional disparities, environmental factors, poverty and industrialisation);
- examining how development policies may be delivered and administered, analysing the importance of effective political and bureaucratic structures, and evaluating the contributions of NGOs and other external bodies.

The MSc programme comprises six 12-week taught units and six assessed essays, followed by a dissertation. You will take core units in Conflict Security and Development; International Political Economy; and Theories of Development. You will also study three optional units from a selection offered by the school. Options vary each year but may include: Small Business Development; Development Skills in Practice; Foreign Policy Analysis; East Asia, Europe and Global Integration; and Religion and Politics in the West.

**Entry requirements:** An upper second-class honours degree (or equivalent). Degrees from all disciplines are considered.

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<th>Programme</th>
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For further details, including entry requirements and how to apply, see bristol.ac.uk/pg-study. Research programmes are listed on the Faculty of Social Sciences and Law pages (pp52-53). *See p21 for more information about tuition fees.
The University of Bristol LLM offers a variety of possibilities to study law at an advanced level and the opportunity to specialise in particular areas. There are a number of specialist programmes enabling you to study a set of related units that, together, provide a more in-depth knowledge and understanding of those themes. Alternatively, you can opt for a broader and more general set of unit choices. In all cases, you are encouraged to explore at a deeper level your chosen areas of law and to see how those legal fields operate in different contexts, considering the relevant issues theoretically and practically and from a range of perspectives. We have a large and vibrant international community and University of Bristol LLM students benefit from small class sizes taught by world-leading experts.

**LLM Law – Commercial Law**
The Commercial Law programme offers you an opportunity to engage in intensive study of specialist commercial and industrial topics. You may wish to concentrate on European commercial issues, international trade, or aspects of domestic commerce. It provides a solid foundation for anyone wishing to enter the legal professions, aspiring to a career in business and finance or planning to become an in-house lawyer.

**Entry requirements:** An upper second-class honours degree (or international equivalent) in law or a degree with an adequate law component. Recognised Prior Learning is currently not accepted. Previous or professional experience is not required.

**LLM Law – General Legal Studies**
This programme offers one of the widest choices of units available in any UK postgraduate law programme. You may choose four units from any that are offered within the specialist LLM programmes. Certain units may, however, require prior or contemporaneous study of some other unit(s). The programme gives you a chance to explore a broad range of legal areas and opens doors to a variety of legal and other careers within the UK and in the rest of the world.

In the spring term, you will choose a topic for a dissertation within the field of your LLM programme, for approval by the Law School. After passing the taught part of the programme, you start work on your dissertation for submission by September. You must pass both parts to obtain an LLM.

**Entry requirements:** An upper second-class honours degree (or international equivalent) in law or a degree with an adequate law component. Recognised Prior Learning is currently not accepted. Previous or professional experience is not required.

**LLM Law – European Legal Studies**
This programme gives you the opportunity to study the internal workings of the European Union and the ever-increasing penetration of community law into the national legal orders of the member states.

You may study either three or four units from the European Legal Studies LLM, or three units with a further unit chosen from any of the other LLM programmes, or two units from European Legal Studies and two from the LLM in International Law. Assessment is by examination and/or essay.

In the spring term, you will choose a topic for a dissertation within the field of European legal studies, for approval by the Law School. After passing the taught part of the programme, you start work on your dissertation for submission by September. You must pass both parts to obtain an LLM.

**Entry requirements:** An upper second-class honours degree (or international equivalent) in law or a degree with an adequate law component. Recognised Prior Learning is currently not accepted. Previous or professional experience is not required.

**LLM Law – Human Rights Law**
This programme offers a range of units suitable both for those with some previous knowledge of human rights law and for those seeking an introduction to specific human rights law issues. Many of our graduates go into legal careers specialising in human rights law and a number go on to work for non-governmental organisations or international organisations such as the United Nations.

You may study four units from the Human Rights Law LLM, or three units from Human Rights Law with a further unit chosen from any of the other LLM programmes. Assessment is by examination and/or essay.

In the spring term, you will choose a topic for a dissertation within the field of human rights law, for approval by the Law School. After passing the taught part of the programme, you start work on your dissertation for submission by September. You must pass both parts to obtain an LLM.

**Entry requirements:** An upper second-class honours degree (or international equivalent) in law or a degree with an adequate law component. Recognised Prior Learning is currently not accepted. Previous or professional experience is not required.

**LLM Law – International Commercial Law**
The International Commercial Law programme offers you an opportunity to engage in intensive study of specialist international and commercial topics. The international law units may be chosen from topics within the field of private international law and the commercial law topics within this programme have content that includes an international element, such as international trade. The programme will appeal to students from overseas and to students who wish to combine their areas of specialism.

You may study four units from the International Commercial Law LLM, or three units from the LLM with a further unit chosen from any of the other LLM programmes. Assessment is by examination and/or essay.
In the spring term, you will choose a topic for a dissertation within the field of international commercial law, for approval by the Law School. After passing the taught part of the programme, you start work on your dissertation for submission by September. You must pass both parts to obtain an LLM and may not proceed to part two until you have passed part one.

**Entry requirements:** An upper second-class honours degree (or international equivalent) in law or a degree with an adequate law component. Recognised Prior Learning is currently not accepted. Previous or professional experience is not required.

**LLM Law – International Law**

The International Law LLM programme offers a range of units, suitable both for those with some previous knowledge and for those seeking an introduction to specific international law issues. The units are mainly in the field of public international law, although private international law issues can be explored through international commercial litigation, arbitration or many of the other commercial law units.

You may study four units from the International Law LLM, or three units from the LLM with a further unit chosen from any of the other LLM programmes, or two units from the LLM and two from the LLM in European Legal Studies. Assessment is by examination and/or essay.

In the spring term, you will choose a topic for a dissertation within the field of international law, for approval by the Law School. After passing the taught part of the programme, you start work on your dissertation for submission by September. You must pass both parts to obtain an LLM.

**Entry requirements:** An upper second-class honours degree (or international equivalent) in law or a degree with an adequate law component. Recognised Prior Learning is currently not accepted. Previous or professional experience is not required.

**LLM Law – International Law and International Relations**

The LLM in International Law and International Relations is an exciting programme for students looking to pursue a career in international non-governmental organisations, government departments and international firms, or as international consultants.

It is a specialist programme that enables you to combine units provided by both the Law School and the School of Sociology, Politics and International Studies to create an exceptional programme of study. The LLM in International Law and International Relations encourages an integrated theoretical and interdisciplinary approach to issues of international regulation and governance, so you can build a deep understanding of how one discipline informs the other.

Students will choose two 30-credit units from the Law School and three 20-credit units in the School of Sociology, Politics and International Studies. Students will also complete a 10,000-15,000 word, 60-credit dissertation, supervised either in the Law School or in the School of Sociology, Politics and International Studies.

**Entry requirements:** An upper second-class honours degree (or international equivalent) in law or politics, or another relevant discipline.

**LLM Law – Labour Law and Corporate Governance**

This programme examines labour law and corporate governance from a broad perspective, both economic and socio-political. The units cover the international legal framework, trade, employment and human rights, from both a practical and a theoretical perspective. The programme opens doors to a wide variety of future career possibilities in law, finance and global governance.

You may study four units from the Labour Law and Corporate Governance LLM, or three units from the LLM with a further unit chosen from any of the other LLM programmes. Assessment is by examination and/or essay.

In the spring term, you will choose a topic for a dissertation within the field of labour law, for approval by the Law School. After passing the taught part of the programme, you start work on your dissertation for submission by September. You must pass both parts to obtain an LLM.

**Entry requirements:** An upper second-class honours degree (or international equivalent) in law or a degree with an adequate law component. Recognised Prior Learning is currently not accepted. Previous or professional experience is not required.

bristol.ac.uk
LLM Law – Public Law
The Public Law programme offers a range of units which explore issues in public policy and the law. The focus is on the relationship between the pressures that operate within particular areas of public policy, and the role of law both in setting the framework for decision-making and as a tool for achieving policy goals. The programme may lead to careers in areas ranging from local government to European institutions as well the legal profession.

You may study four units from the Public Law LLM, or three units from the LLM with a further unit chosen from any of the other LLM programmes. Assessment is by examination and/or essay.

In the spring term, you will choose a topic for a dissertation within the field of public law, for approval by the Law School. After passing the taught part of the programme you start work on your dissertation for submission by September. You must pass both parts to obtain an LLM.

Entry requirements: An upper second-class honours degree (or international equivalent) in law or a degree with an adequate law component. Recognised Prior Learning is currently not accepted. Previous or professional experience is not required.

MA Law
This programme is an accelerated, fast-track, senior status postgraduate degree in law.

The curriculum builds on the fact that you will have already benefited from a university-level education by enabling you to acquire a qualifying law degree in only 21 months, rather than the three years it would normally take to obtain an LLB.

The programme is carefully structured to cover the foundation areas of legal knowledge and to develop your core legal skills, while providing an opportunity for further specialist study.

The MA in Law is recognised by the Law Society and the Bar Council as a qualifying law degree for practice in England and Wales and is recognised in other jurisdictions.

MSc Socio-Legal Studies
This programme develops your knowledge and understanding of interdisciplinary approaches to the study of law and legal phenomena. It provides a sound research training for students wishing to proceed to a PhD or a career in socio-legal research through the study of different research methodologies across the social sciences and law. You will pursue independent, in-depth study in socio-legal studies, engaging in lively debates in a thriving research culture.

A range of units is offered, suitable for graduates from any discipline who have an interest in the way law works (or fails to work) in society. Methods of assessment may include essays, presentations and/or written examinations, depending on the optional subject(s) chosen, together with the dissertation.

Entry requirements: An upper second-class honours degree (or equivalent qualification) in any discipline.

MRes Sustainable Futures
This programme is one of five South West Doctoral Training Partnership interdisciplinary pathways that are delivered in partnership with the Universities of Bath and Exeter.

Sustainability research asks how human wellbeing can be maintained and enhanced for the long term, given rising populations, limited natural resources and a fragile environment. The field, with its clear applied focus and strong strategic future-directed policy implications, has social sciences at its heart. It also requires a broad interdisciplinary approach and an understanding of economics, law, politics and psychology of sustainability, as well as the geography and demographics of those affected.

There are four core units: Advanced Interdisciplinary Research Design; Contemporary Debates in Sustainable Futures; Introduction to Qualitative Research Methods in the Social Sciences; and Introduction to Quantitative Research Methods in the Social Sciences. Optional units can be taken at Bristol, Bath or Exeter. Over the summer you will complete a research-based dissertation of up to 15,000 words, individually supervised by a tutor with relevant experience.

Entry requirements: A good honours degree (or equivalent) from a social sciences or law discipline.
Mathematics

MSc Mathematical Sciences
Our taught MSc in Mathematical Sciences is a flexible and challenging programme, developing a range and depth of mathematical techniques and providing a solid foundation for students to progress to research and employment at the highest levels, in mathematics and related fields.

The programme comprises a taught component of 120 credit points (October to May), followed by a 60-credit research project (June to September). There is a huge variety of possible combinations of units and themes depending on your background and interests. An academic mentor will advise you on these units and meet regularly with you individually or in small groups throughout the taught component. It is also possible to include units from other schools, where available. You are invited to participate in the wider academic life of the school, including research seminars.

From June to September, students focus on their chosen research projects, which are supervised by an experienced research academic. Examples of research themes include: Logic and Set Theory; Fluid Dynamics; Material Science; Quantum Chaos; Algebra and Representation Theory; Ergodic Theory and Dynamical Systems; and Geometric Analysis.

Entry requirements: A first-class degree (or equivalent) in mathematics or a related discipline.

MSc Statistics
Our taught MSc in Statistics provides one year of postgraduate training in the theory and practice of modern statistics to prepare you for PhD study and for a career in data-intensive and evidence-driven fields.

This programme will develop your understanding of appropriate mathematical and statistical theory through a range of core and optional taught units, and it will equip you with the fundamental skills for modelling and analysis of statistical problems.

The programme consists of two terms of taught study on a range of core and optional units, followed by a substantial research project.

The research project will provide you with an opportunity to tackle a genuine statistical problem using a variety of theoretical and applied methods, including computation.

Although there are no mandatory units, students will typically take most or all of the following units: Advanced Time Series; Monte Carlo Methods; Nonparametric Regression; Stochastic Optimisation; Stochastic Processes.

Units are taught through a combination of lectures and problem classes. Some units involve computer practicals to help develop programming skills using statistical software such as R.

Assessment for the taught units is through a combination of written examinations in January and May/June, and problem-solving homework tasks.

Entry requirements: A first-class honours degree (or equivalent) in mathematics, statistics, or a subject with substantial statistical and/or mathematical content. Your degree course must have covered the material in our second-year undergraduate syllabus for the Statistics 2 and Probability 2 units, as these are prerequisites for core units on the MSc.

For further details, including entry requirements and how to apply, see bristol.ac.uk/pg-study. Research programmes are listed on the Faculty of Science pages (pp50-51).

*See p21 for more information about tuition fees.

Programme | Awards | Duration | Fees (per year)* | Contact
--- | --- | --- | --- | ---
Mathematical Sciences | MSc | 1yr FT | UK £8,500 FT Overseas (non-EU) £19,900 | pgsec-maths@bristol.ac.uk
Statistics | MSc | 1yr FT | UK £8,500 FT Overseas (non-EU) £19,900 | pgsec-maths@bristol.ac.uk

*See p21 for more information about tuition fees.
This programme provides professional training in composition for screen media. Taught by staff and guest composers from the professional world, you will develop a strong technological foundation in the subject, along with specialist understanding of television and screen scoring.

The MA is taught within our high-specification composition and recording studios, which have full-time technical support. Students are actively encouraged to build opportunities and networks, within and beyond the University, for projects in film, animation, documentary and more.

The vibrant musical life of the Department of Music provides opportunities for student and professional performance, and we are located at the heart of one of the UK’s leading cities for broadcast, commercial and creative screen media.

In the first semester, you will study Professional Techniques, an introduction to working and recording in studios, and Media Composition, focusing on TV and documentary work. You will also take one elective unit. In the second semester, the programme moves on to Critical Analysis of Media Music and Film Scoring, with an emphasis on longer-term projects for film and TV work.

Optional units can vary each year. You will be able to choose two units from a wide spectrum that address further compositional skills – such as orchestration, sound design or pastiche composition – research skills for musicians, writing and directing for film and television, and how film and television programmes work.

This work feeds into original collaborations that you may choose to include in your final portfolio. This can either be a substantial portfolio of original music for new collaborative films/extracts (music totalling 15-25 minutes), or music for one new collaborative film of 10-12 minutes and a critical dissertation of 10,000 words on an agreed film or topic.

Students who completed the MA programme in Composition of Music for Film and Television have taken up careers as music composers, recording managers and compositing supervisors within animation studios.

**Entry requirements:** An upper second-class honours degree (or international equivalent) in music plus experience as a composer, demonstrated by a portfolio of your music. Non-traditional qualifications/routes may also be considered.

**MA Music**

This flexible MA programme has pathways in Composition, Medieval Music, Musicology, Performance and Russian Music.

Modules taken vary according to the pathway chosen, but all include basic music training such as Research Skills for Musicians, specialised units particular to the chosen pathway, and a large menu of optional units. These are followed by a major project: a musicological dissertation or edition for musicologists (including those on the Russian Music and Medieval Music pathways), a minor and a major recital for performers, and a portfolio of compositions for composers.

Optional units can vary each year but may include:

- Composition pathway – Contemporary Compositional Ideas and Techniques; Introduction to Professional Composing
- Medieval Music pathway – Readings in Musicology; Latin
- Musicology pathway – Readings in Musicology; Source Study, Palaeography and Editorial Techniques
- Performance pathway – Performance; Source Study, Palaeography and Editorial Techniques
- Russian Music pathway – Readings in Musicology; Russian

Students who completed the MA in Music have gone on to careers as musicians, senior music assistants, organ scholars and self-employed composers. A number of MA graduates have also become music teachers.

**Entry requirements:** An upper second-class honours degree (or international equivalent) with suitable skills and experience in music. All applicants will be asked a series of subject-specific questions as part of the application. Applicants for the Composition and Performance pathways are required to submit a portfolio of work. Non-traditional qualifications may also be considered.
Nanoscience

MSc Nanoscience and Functional Nanomaterials
This interdisciplinary MSc programme will provide you with the skills, knowledge and expertise to become a practitioner in nanoscience, whether in industry or academia. The programme provides innovative and novel training, and will support you in the next phase of your career. To date, all of our graduates have been successful in obtaining either a PhD place or full-time employment. Fifty per cent have taken up PhD places in Bristol, other leading UK universities or in top universities around the world.

The Bristol Centre for Functional Nanomaterials (BCFN) represents more than 100 academics from 15 departments in the faculties of science, engineering and biomedical sciences. This rich and diverse support network ensures your training and research is at the cutting edge and is truly interdisciplinary.

The structure of the programme, with two short training projects and one research project, means that you will have direct contact with many different academics and areas of research. You will choose your extended research project after having explored the BCFN's network of research.

During the autumn and spring terms, the core units are:
- Communication and Management Skills (includes training on time management, decision making, project management, group working)
- Lecture courses on nanoscience and functional nanomaterials (graduate-level training on key concepts and topics in nanoscience)
- Training in Advanced Tools for Nanoscience (through bespoke online modules, lectures and a special programme of hands-on practical training)
- Two training projects (one per term in months 1-3 and months 4-6)

In the summer term (months 6-12) you will carry out an extended research project.

You can choose your training and research projects from a large number of project proposals, across the whole spectrum of BCFN research. The programme has been designed to provide feedback on both technical and professional skills, including research skills, presenting, writing, teamwork, creativity and entrepreneurship.

Entry requirements: An upper second-class honours degree (or equivalent) in a science or engineering discipline (e.g., chemistry, physics, biology, biochemistry, materials science or chemical engineering).

For further details, including entry requirements and how to apply, see bristol.ac.uk/pg-study. Research programmes are listed on the Faculty of Science pages (pp50-51). *See p21 for more information about tuition fees.

Programme | Awards | Duration | Fees (per year)* | Contact
--- | --- | --- | --- | ---
Nanoscience and Functional Nanomaterials | MSc | 1yr FT | UK £14,800 FT Overseas (non-EU) £24,000 | bcfn-info@bristol.ac.uk

*See p21 for more information about tuition fees.

bristol.ac.uk
### Oral and Dental Sciences

**Clinical Conscious Sedation and Anxiety Management**

This programme is intended for experienced dental practitioners and has been designed to allow you to gain experience of using inhalation sedation with nitrous oxide and oxygen, and midazolam. We aim to produce caring, knowledgeable and skilful practitioners who are competent in the provision of conscious sedation within the limits of the individual clinician.

This modular programme is divided into three units:

- **Local Anaesthesia:** Pain and anxiety control are closely linked and treatments under sedation often need to be aborted because of inadequate local anaesthesia. The unit will update students in pharmacology and local anaesthetic techniques, introduce advanced local anaesthetic techniques and provide medical simulator training in the management of the complications of sedation.

- **Anxiety Management:** This unit will provide students with a knowledge and critical understanding of the theoretical framework that underpins cognitive therapy, including self-help and behavioural approaches.

- **Clinical Conscious Sedation:** This unit is designed to prepare those with no experience in conscious sedation to independent practice. It will include supervised clinical practice in Bristol, as well as distance learning and study days where practical skills will be introduced before beginning supervised clinical practice. The unit covers the syllabus on basic sedation techniques published in 2015 by the Intercollegiate Advisory Committee for Sedation in Dentistry.

**Entry requirements:** BDS (or equivalent United Kingdom General Dental Council-registerable dental qualification). At least one year’s demonstrable postgraduate clinical experience. Evidence of registration with the GDC and adequate medico-legal indemnity insurance. All necessary immunisations as required by the GDC. Basic computer skills and access to a PC with internet connection.

**PG Certificate Clinical Oral Surgery**

This programme develops students’ knowledge and enhances clinical skills through hands-on clinical experience in oral surgery. Following a series of study days and clinical skills teaching, students will undertake a clinical attachment within the University of Bristol Dental Hospital where they will treat oral surgery patients under the supervision of hospital specialists.

Students will spend two days every month, for up to nine months, attending outpatient clinics and operating under close supervision in the oral surgery department of the School of Oral and Dental Sciences, University of Bristol Dental Hospital.

Our programme has been specifically designed for experienced dental practitioners who want to develop their skills in providing clinical oral surgery for their patients in practice. There will be a mixed-delivery approach, including direct clinical supervision, small-group teaching, clinical skills sessions (e.g., suture simulation) and self-directed learning using web-based material.

**Entry requirements:** BDS (or equivalent United Kingdom General Dental Council-registerable dental qualification). At least one year’s.
demonstrable postgraduate clinical experience. Evidence of registration with the GDC and adequate medico-legal indemnity insurance. All necessary immunisations as required by the GDC. Basic computer skills and access to a PC with internet connection.

MSc Dental Implantology
This programme is intended for dental practitioners wishing to develop their theoretical knowledge and practical clinical experience in treatment planning, surgical placement, restoration and maintenance for dental implants. The programme has been designed to allow you to gain experience of the use of dental implants in prosthodontic treatment within a supervised environment. Knowledge is developed using distance learning modules and study days. You will also have the opportunity to carry out a research project or literature review and prepare a dissertation.

You will also attend clinical practice placements at the Bristol Dental Hospital, Bristol Royal Infirmary and the Dental Implant Clinic in Bath. During the clinical practice placements you will diagnose, plan treatment and carry out implant placement under supervision in pre-selected patients who are provided for you.

We aim to produce caring, knowledgeable and skilful practitioners, who are competent in the provision of the surgical and restorative dental aspects of dental implant treatment within the limits of the individual clinician.

This modular programme is divided into three sections – certificate, diploma and MSc levels. All students are admitted to the MSc in the first instance and can choose to exit the programme at the end of year one (achieving the certificate) or at the end of year two (diploma). After year three, an MSc will be awarded on the successful completion of a dissertation.

Entry requirements: BDS or equivalent United Kingdom General Dental Council registerable dental qualification. At least one year’s demonstrable postgraduate clinical experience.

MSc Oral Medicine and Pathology
This is a one-year, full-time degree programme aimed at qualified dental clinicians looking to develop competency in clinical oral medicine, clinical and diagnostic oral pathology, and laboratory medicine. This programme takes a holistic approach and presents a unique opportunity for integrated clinical and laboratory teaching within these linked dental specialities.

The programme focuses on the recognition, investigation, diagnosis and management of patients presenting with common oral and maxillofacial diseases and will provide a sound grounding in the fundamental principles of UK specialist practice.

Students will be supervised by clinical, laboratory and academic staff within an established and integrated specialist clinical training and educational environment. There will be continuous verbal feedback and support to help develop skills for individual reflection and self-assessment.

After completing a mandatory basic unit, there is the option of focusing on just one of the two specialties. Those following this route will be awarded either an MSc Oral Medicine or MSc Oral Pathology.

Entry requirements: BDS, or equivalent United Kingdom General Dental Council temporary registerable dental qualification. At least one year’s relevant demonstrable postgraduate clinical experience. Candidates will be expected to obtain temporary registration with the GDC. Evidence of registration with the GDC and adequate medico-legal indemnity insurance. All necessary immunisations as required by the GDC. Basic computer skills and access to a PC with internet connection.

DPDS Postgraduate Dental Studies
Bristol University Open Learning for Dentists is a very popular modular distance learning programme for students aiming to achieve the Diploma in Postgraduate Dental Studies (DPDS). It provides a unique form of dental postgraduate education, designed for busy dental practitioners.

Students must complete three units (60 credits) from a choice of 11 to achieve the postgraduate certificate or six units (120 credits) to achieve the postgraduate diploma. Each unit provides a structured programme that involves reading, study days and assessments.

This method of study is not led by teachers in a classroom but is supported by tutors and administration at a distance, offering the flexibility to suit your personal needs. The units are specially written for the programme and are designed to be interactive, giving you the opportunity to think and learn for yourself. Following successful completion of the DPDS, students may carry out a research project and a dissertation to achieve the MSc.

The occasional route of study is an option for students who do not want a formal postgraduate qualification but still want to register for individual units. After successful completion of a unit, the student is awarded a transcript confirming that they have attained 20 credits; this could later be used in an application for Recognition of Prior Learning. CPD hours are also awarded. Students who have completed a unit via the occasional route may transfer to the certificate programme, subject to availability of places.

Entry requirements: Students must be eligible for, or registered with, the General Dental Council. BDS or other approved dental qualification and, ideally, you will have been qualified for at least one year.
### Philosophy

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<thead>
<tr>
<th>Programme</th>
<th>Awards</th>
<th>Duration</th>
<th>Fees (per year)*</th>
<th>Contact</th>
</tr>
</thead>
<tbody>
<tr>
<td>Logic and Philosophy of Mathematics</td>
<td>MA</td>
<td>1yr FT; 2yrs PT</td>
<td>UK £6,600 FT; UK £3,300 PT; Overseas (non-EU) £15,500</td>
<td><a href="mailto:artf-pgadmissions@bristol.ac.uk">artf-pgadmissions@bristol.ac.uk</a></td>
</tr>
<tr>
<td>Philosophy</td>
<td>MA</td>
<td>1yr FT; 2yrs PT</td>
<td>UK £6,600 FT; UK £3,300 PT; Overseas (non-EU) £15,500</td>
<td><a href="mailto:artf-pgadmissions@bristol.ac.uk">artf-pgadmissions@bristol.ac.uk</a></td>
</tr>
<tr>
<td>Philosophy and History of Science</td>
<td>MA</td>
<td>1yr FT; 2yrs PT</td>
<td>UK £6,600 FT; UK £3,300 PT; Overseas (non-EU) £15,500</td>
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<tr>
<td>Philosophy of Biological and Cognitive Sciences</td>
<td>MA</td>
<td>1yr FT; 2yrs PT</td>
<td>UK £6,600 FT; UK £3,300 PT; Overseas (non-EU) £15,500</td>
<td><a href="mailto:artf-pgadmissions@bristol.ac.uk">artf-pgadmissions@bristol.ac.uk</a></td>
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<tr>
<td>Postgraduate Diploma in Philosophy</td>
<td>PG Diploma</td>
<td>1yr FT; 2yrs PT</td>
<td>UK £5,280 FT; UK £2,640 PT; Overseas (non-EU) £12,400</td>
<td><a href="mailto:artf-pgadmissions@bristol.ac.uk">artf-pgadmissions@bristol.ac.uk</a></td>
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For further details, including entry requirements and how to apply, see [bristol.ac.uk/pg-study](http://bristol.ac.uk/pg-study). Research programmes are listed on the Faculty of Arts pages (pp42-43).

*See p21 for more information about tuition fees.

### MA Logic and Philosophy of Mathematics

The Department of Philosophy has exceptional research strength in the fields of logic and the philosophy of mathematics, and very strong links with the School of Mathematics, including a joint position in both departments. It is ranked by the Philosophical Gourmet Report as the strongest department in the UK for mathematical logic and the second strongest for philosophical logic.

Our MA draws on these strengths and is open to students with first degrees in philosophy (subject to a suitable background in logic) or mathematics. It consists of six taught units, examined by essay, and a 15,000-word dissertation.

As a postgraduate student, you will be an active member of the department’s flourishing research culture. You will be encouraged to attend and participate in the weekly departmental research seminar and in the Philosophy and History of Science seminars, which often feature well-known scholars in the field, from Bristol and beyond. There is also a weekly postgraduate seminar, where you may present your own work before your peers and learn to develop your argumentative strategies in a supportive environment.

Core units include Philosophical Writing and Research; Axiomatic Set Theory; Epistemology and Metaphysics; and Philosophy and History of Mathematics. Satisfactory completion of semesters one and two will allow you to progress to writing a dissertation of up to 15,000 words on an approved topic of your choice. The dissertation is your chance to produce an extended piece of philosophical research that can act as preparation for a graduate research degree.

**Entry requirements:** An upper second-class honours degree (or equivalent) in philosophy or mathematics.

### MA Philosophy

The MA in Philosophy will give you a thorough grounding in the core knowledge and skills required for philosophical research, while allowing you to pursue your own philosophical interests in depth.

You will be taught and supervised by members of a friendly and informal department with an outstanding reputation in the UK and internationally. The MA is designed for you to gain full advantage from the research expertise of individual members of staff. For more than half of the course, you will benefit from one-to-one tutorials with a member of the department. You will be guided throughout by a personal tutor who will help you structure your course of study and choose the topics you wish to research.

You will be an active member of our flourishing research culture and will be encouraged to participate in three weekly research seminars on a wide range of philosophical issues. There is also a weekly postgraduate seminar, where you may present your own work before your peers, helping you to develop argumentative strategies in a supportive environment.

Core units include Epistemology and Metaphysics Seminar; Philosophical Writing and Research Seminar; and Value Theory Seminar. You will take three optional units, which may be either a taught seminar unit from a list of those available or a unit taught by individual tutorials on an agreed topic of your choice. Each optional unit is assessed by an essay of 5,000-6,000 words.

Satisfactory completion of semesters one and two will allow you to progress to writing a dissertation of up to 15,000 words on an approved topic.

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of your choice. The dissertation is your chance to produce an extended piece of philosophical research that can act as preparation for a graduate research degree. You will have supervisory meetings with a member of staff who will also provide feedback on a draft of your work.

Entry requirements: An upper second-class honours degree (or international equivalent) in philosophy or in a combination of subjects that includes philosophy.

MA Philosophy and History of Science
The University of Bristol ranks among the top European institutions in the philosophy and history of science. We currently hold four major research grants to study Darwinism and Rational Choice, Epistemic Utility Theory, Homotopy Type Theory and a Philosophy and Medicine project on Breathlessness.

Our MA draws on these strengths. It is intended both for students who have a first degree in philosophy who wish to specialise in philosophy and/or history of science at a higher level, and for individuals with a background in pure science who wish to make a transition to philosophy and history of science or to explore foundational issues within the sciences.

The emphasis of the programme is on philosophical issues arising from specific scientific disciplines, with special emphasis on physics, biology and mathematics. The history of science is studied in terms of the philosophical debate about the nature of scientific method and knowledge.

You will be an active member of the department’s flourishing research culture. All students are encouraged to participate in the weekly departmental research seminar and the weekly Philosophy and History of Science research seminar, which often features well-known scholars in the field, from Bristol and beyond. There is also a weekly postgraduate seminar, where you are encouraged to present your own work, and where you will learn to develop argumentative strategies in a supportive environment.

You will take six taught units; two compulsory (Scientific Methodology and Epistemology; Philosophical Writing and Research Seminar) and four optional.

Satisfactory completion of semesters one and two allows you to progress to writing a dissertation of up to 15,000 words on an approved topic of your choice.

Entry requirements: An upper second-class honours degree in a science subject or philosophy (or a subject with a major philosophical component).

MA Philosophy of Biological and Cognitive Sciences
The Department of Philosophy has outstanding research strength in the fields of philosophy of biology, philosophy of psychology and philosophy of cognitive sciences. We are ranked by the Philosophical Gourmet Report as the strongest department in the UK for the philosophy of biology. The department is also home to a European Research Council project on Darwinism and the Theory of Rational Choice, which explores connections between biological and cognitive science research.

This programme is intended for graduates of philosophy, psychology or biology who wish to study philosophy of science with an emphasis on the biological and cognitive sciences. The programme focuses on philosophical issues arising from these scientific disciplines. The history of science is studied in terms of the philosophical debate about the nature of scientific method and knowledge. The department has strong links with both the School of Experimental Psychology and the School of Biological Sciences, with whom joint workshops and reading groups are organised.

You will take six taught units, normally three in each semester, each of which are examined by essay, before completing a dissertation of up to 15,000 words.

Entry requirements: An upper second-class honours degree in either a science subject, typically biological science or psychology, or philosophy (or a degree with a major philosophical component).

Postgraduate Diploma in Philosophy
This diploma is for graduates in any subject who would like to obtain a qualification in philosophy or to acquire an informed understanding of the subject. The diploma aims to bring students to a postgraduate level in philosophy in one year. You will be taught and supervised by members of a friendly and informal department with one-to-one tutorials, seminars and lectures. You will also be assigned a personal tutor who will help you to structure your course of study and choose the topics you wish to research.

You will join our flourishing research culture, getting involved in the three weekly research seminars on a wide range of philosophical issues. There is also a weekly postgraduate seminar, where you may present your own work before your peers, helping you to develop your argumentative strategies in a supportive environment.

Conversion to an MA within the period of registration for the diploma may be considered if you consistently achieve high marks in the programme.

Core units include Epistemology and Metaphysics Seminar; Philosophical Writing and Research Seminar; and Value Theory Seminar. You will take three optional units. Each optional unit is assessed by an essay of 5,000-6,000 words.

Entry requirements: An upper second-class honours degree (or international equivalent). Non-traditional qualifications/routes may also be considered.
Policy Studies

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<tr>
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<th>Awards</th>
<th>Duration</th>
<th>Fees (per year)*</th>
<th>Contact</th>
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<td><strong>Health and Wellbeing</strong></td>
<td>MRes</td>
<td>1yr FT; 2yrs PT</td>
<td>UK £4,200 FT</td>
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<td>UK £2,100 PT</td>
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<td><strong>Disability Studies: Inclusive Theory and Research</strong></td>
<td>MSc, PG Diploma, PG Certificate</td>
<td>1yr FT; 2-5yrs PT</td>
<td>UK £6,200 FT</td>
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<td><strong>Nutrition, Physical Activity and Public Health</strong></td>
<td>MSc</td>
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<td>Overseas (non-EU)£18,000</td>
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<td><strong>Policy Research</strong></td>
<td>MSc, PG Certificate, PG Diploma</td>
<td>1yr FT; 2-5yrs PT</td>
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<td><strong>Public Policy</strong></td>
<td>MSc</td>
<td>1yr FT; 2yrs PT</td>
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For further details, including entry requirements and how to apply, see bristol.ac.uk/pg-study. Research programmes are listed on the Faculty of Social Sciences and Law pages (pp52-53). *See p21 for more information about tuition fees.

**MRes Health and Wellbeing**
This collaborative, interdisciplinary pathway brings together key academics within the South West Doctoral Training Partnership whose research and teaching strengths are in the broad area of health and wellbeing – in particular, lifestyle behaviours and public health.

Students on this pathway acquire a range of skills to develop and evaluate interventions and strategies to improve health behaviour. Your work will make a major impact on our understanding of the social science that underpins avoidable health problems, and will build research capacity at the interface of biomedical and social sciences, both within and beyond academia.

The MRes in Health and Wellbeing offers useful preparation for a number of careers. Foremost, the MRes is the academic basis and preparation for students choosing the 1+3 programme (the first year being the MRes and the +3 the PhD programme).

You will study core units in: Advanced Interdisciplinary Research Design; Contemporary Debates in Lifestyle Behaviours and Public Health; Introduction to Qualitative Research; and Introduction to Quantitative Research. Optional units can be taken at either Bristol, Bath or Exeter.

Over the summer you will complete a research-based dissertation of up to 15,000 words, individually supervised by a member of staff from one of the centres in the school.

**Entry requirements:** An upper second-class honours degree in a related field or equivalent qualification.

**MSc Disability Studies: Inclusive Theory and Research**
This programme will equip you with the skills, knowledge and ability to plan and carry out academic research relevant to disability studies. You will gain a particular awareness and skill set associated with emancipatory and participatory models of research, where disabled people themselves take active roles in the research process. Parts of the programme are delivered by, or co-taught with, people with disabilities, including those with learning disabilities.

You will take core units about research design, quantitative methods and qualitative methods along with students on the MSc in Policy Research and the MSc in Social Work Research, plus an additional core unit about inclusive research with disabled people. The core units are part of the Economic and Social Research Council-funded South West Doctoral Training Centre at Bristol, and as such are a good grounding for those who wish to carry on to a PhD or take up research posts. The optional units will give you a chance to consider research about inclusion for disabled people in relation to international rights, as well as UK structures in society.

**Entry requirements:** A relevant upper second-class honours degree (or equivalent qualification demonstrated through experience in the field) and a demonstrated ability to study at postgraduate level.

**MSc Nutrition, Physical Activity and Public Health**
This programme focuses on the promotion and maintenance of diet and activity-related public health and wellbeing. There is a clear consensus that new professional and scientific needs are emerging in this field. This programme is one of the first to recognise this need and as such will contribute substantially towards higher level qualifications in this emerging area.

bristol.ac.uk
There is now considerable demand for multi-skilled individuals with knowledge and understanding of research, policy and practice in both nutrition and physical activity. This programme equips you with such skills, as well as providing unique insight into the fascinating interactions between physical activity, nutrition and health through blending epidemiology, psychology and policy-relevant research.

The programme is specifically designed for qualified dieticians, physical activity specialists, and other health professionals such as nurses, physiotherapists and occupational therapists who want to advance in the important area of nutrition-related and physical activity-related public health. It is also suitable for newly-qualified graduates seeking to develop a career in this area.

Work is assessed through written assignments, presentations, written reports or research proposals. There are no formal examinations. All units are compulsory, along with a research dissertation.

The results of the latest Research Exercise Framework rate the Centre for Exercise, Nutrition and Health Sciences as the leading UK centre of research excellence within the field of physical activity, nutrition and health research. In addition, 100 per cent of its evidence research impact was judged to be of the highest level.

**Entry requirements:** An upper second-class honours degree in a relevant field (or equivalent), although other academic backgrounds and relevant professional experience will be considered.

**MSc Policy Research**

Researchers, research managers and policy advisers, as well as service planners, are all faced with a growing need for top-quality research that is timely and relevant. This programme builds on the links between research and policy in developing the particular skills and capacities needed by policy-oriented researchers, professionals and postgraduate students interested in carrying out public policy, social policy and social welfare research. We believe this is vital if researchers are to maximise the impact of their work in addressing real issues of concern to policy-makers and decision-takers.

The programme provides core research training in philosophy and research design in the social sciences, along with introductions to and further approaches in quantitative and qualitative methods in the social sciences. It also offers elective courses in areas of the school’s particular research expertise, namely child and family welfare, gender and violence, health and social care, poverty and social exclusion, and policy-orientated evaluation.

We recognise that students will be joining with relevant – albeit varied – experience. Therefore, there will be opportunities for you to draw on your own experiences as researchers, managers and policy advisers and to share these with other participants on the programme. Those who have recently embarked on a career in policy research, or who hope to do so, will find the programme offers a unique combination of academic rigour, up-to-date policy content and relevant skills development.

The programme is delivered through a series of intensive three-day block visits held in Bristol, ensuring that it is accessible to full-time students, busy policy professionals and practitioners alike. Each unit is delivered during one of these blocks, allowing you to accumulate credits flexibly and organise the pattern of visits to suit your own needs and circumstances.

The MSc and PG Diploma consist of four core units and two optional units. A dissertation of 10,000-15,000 words is required for the MSc. The PG Certificate is awarded for students who successfully complete three units.

**Entry requirements:** An upper second-class honours degree (or equivalent). Other qualifications (including those awarded by professional bodies) and relevant professional experience will also be considered. Also required is a personal statement demonstrating evidence of an ability to benefit from the programme.

**MSc Public Policy**

What is public policy? Who are the key actors and which institutions are involved? Who is it shaped by and how does it have an impact on an economic, social and cultural environment that is increasingly globalised?

This programme investigates the international public policy environment in terms of global political economy and the impact of business, voluntary sector and public policy agents in the field of multi-level governance. The programme encompasses both a theoretical understanding of the policy process and models of appraisal with a practical orientation to evaluating research evidence.

As well as considering generic policy concerns, the programme gives you an opportunity to choose from a range of substantive policy issues. These include: the economics of public policy; poverty and social exclusion; penal policy; cities, housing and public policy; health and public policy; migration, asylum; and sustainability. All the programme units consider policy in an international and comparative context.

Graduates from our MSc in Public Policy may work in roles that focus on strategy, policy development and implementation or policy research. Potential employers include:

- local or central government departments;
- national or international non-governmental organisations;
- international institutions, such as the European Union and the United Nations.

**Entry requirements:** An upper-second class honours degree or international equivalent.
Politics and International Relations

<table>
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<th>Duration</th>
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For further details, including entry requirements and how to apply, see bristol.ac.uk/pg-study. Research programmes are listed on the Faculty of Social Sciences and Law pages (pp52-53). *See p21 for more information about tuition fees.

**MRes Global Political Economy**

This programme is one of five interdisciplinary pathways that are delivered as part of the South West Doctoral Training Partnership. This pathway explores the dynamics of global transformation and policy implications, as well as their interrelations with national and regional institutional and social responses to the changing global political and economic order.

The pathway encourages you to analyse the diverse experiences and impact of economic globalisation and examine relationships between global governance and inequality. It will also help you understand that analysis and resolution of many of the key problems confronting humanity in the 21st century require new and interdisciplinary academic approaches, innovative methods and policy agendas, creative thinking and transnationally comparative datasets.

You will study core units in Advanced Interdisciplinary Research Design; Global Transformations – Issues and Trajectories; Introduction to Quantitative Research; and Introduction to Qualitative Research, as well as a choice of optional units, which can be taken at either Bristol, Bath or Exeter. Over the summer you will complete a research-based dissertation of up to 15,000 words, individually supervised by a member of staff from the school.

**Entry requirements:** An upper second-class honours degree (or equivalent) in a related field.

**MRes Security, Conflict and Human Rights**

This programme is one of five interdisciplinary pathways that are delivered as part of the South West Doctoral Training Partnership.

The programme recognises social scientific research on security, conflict and human rights from different disciplines, and how different approaches treat these issues. The programme moves beyond traditional approaches to security studies to complement these with wider perspectives, such as on human (in)security including domestic insecurity and violence, to develop better strategies for resolving conflicts and securing social justice.

We equip researchers with the interdisciplinary skills to influence the research, policy and practice as needed to avoid and mitigate security risks.

You will take core units in Advanced Interdisciplinary Research Design; Conceptual Issues in Security, Conflict and Human Rights; Introduction to Quantitative Research Methods in the Social Sciences; and Introduction to Qualitative Research Methods in the Social Sciences. Optional units can be taken at Bristol, Bath or Exeter. Over the summer you will complete a
research-based dissertation of up to 15,000 words, individually supervised by a member of staff from the school.

Entry requirements: An upper second-class honours degree in a related field or equivalent qualification.

MSc European and Global Governance
Europe is confronted by a growing number of challenges on the world stage, ranging from the rise of emerging economies to new security challenges. Drawing on theories of international relations, comparative politics and European integration, this programme allows students to engage with the study of European and global governance from a variety of perspectives – the domestic, the regional/supranational, and the global.

The programme aims to be empirically relevant by teaching students how to apply theoretical concepts to some of the biggest political challenges facing Europe today. It will also prepare students for a wide range of careers in European and international affairs.

The programme comprises six 12-week taught units and six assessed essays, followed by a dissertation. You will study core units in Security Governance; The European Union: Theories, Institutions and Policies; and Europeanisation. You will also select three optional units from the School of Sociology, Politics and International Studies, along with three optional units from the School for Policy Research. Bristol graduates are in high demand and have an excellent record of employment following graduation. Graduates from our programmes have gone on to work for Refugee UK, Shelter, Barnardos, Oxfam, Amnesty International, government departments and the European Commission, among others.

Entry requirements: An upper second-class honours degree (or equivalent qualification). Degrees from all disciplines are considered.

MSc Gender and International Relations
This programme examines and deploys perspectives from feminism, gender studies, cultural studies and sexuality studies, along with interdisciplinary research in international political economy, civil-military relations, international development and the study of men and masculinities.

It comprises six 12-week taught units, and six assessed essays, followed by a dissertation. You will study core units in Feminism and International Relations; International Security or International Political Economy; and Theories of International Relations. You will also choose three optional units from the School of Sociology, Politics and International Studies. Options vary each year but may include: Gender and Development; Foreign Policy Analysis; International Human Rights; Social Class in Contemporary Society; Religion and Politics; The Politics of Insecurity; and Theories of Violence. In your third term you will complete a dissertation.

Entry requirements: An upper second-class honours degree (or equivalent qualification). Degrees from all disciplines are considered.

MSc International Relations
This programme aims to be empirically relevant by combining theoretical approaches with the study of several different cases and issues. It also explores the ways in which the line between the domestic and international is blurred by trade, financial, environmental, strategic, ideological, cultural and ethical issues.

The programme promotes a close-knit student community with easy access to members of staff who all give a high priority to teaching and supervision while maintaining high-quality, high-volume research.

The programme comprises six 12-week taught units and six assessed essays, followed by a dissertation. You will study core units in International Political Economy; International Security; and Theories of International Relations, along with three optional units from the School for Sociology, Politics and International Studies.

Optional units vary from year to year but may include: Military and Militarisation; Politics of Genocide; Japan and East Asia; Foreign Policy Analysis; and Research Methods.

Entry requirements: An upper second-class honours degree (or equivalent qualification). Degrees from all disciplines are considered.

MSc International Security
There is a growing number of new threats to international security, ranging from civil war, terrorism and transnational crime to the proliferation of weapons of mass destruction. The programme provides students with a theoretical and empirical understanding of the international security environment of the post-Cold War era, including the origins of conflict and peace, the emergence of new security threats and the many different agencies involved in conflict prevention, peacemaking and peacemaking today.

The MSc aims to be empirically relevant by teaching students how to apply theoretical concepts to contemporary conflicts and current affairs.

The programme comprises six 12-week taught units and six assessed essays, followed by a dissertation. You will study core units in International Security, Security Governance and Theories of Securitisation, along with three optional units. These vary from year to year but may include: Foreign Policy Analysis; Military and Militarisation; US Security Policy; International Human Rights; Politics of Genocide, and European Security.

Entry requirements: An upper second-class honours degree (or equivalent qualification). Degrees from all disciplines are considered.
MSc Social Science Research Methods (Politics/International Relations)
This programme provides Economic and Social Research Council-approved research training in politics and international relations. We aim to provide a thorough grounding in practical methodological skills through hands-on experience and the critical exploration of relevant examples and case studies. It is particularly suited to those seeking a career as a social science researcher or continuing to PhD level, including ESRC-funded doctoral study. The School of Sociology, Politics and International Studies promotes a close-knit student community with easy access to members of staff who all give a high priority to teaching and supervision while maintaining high-quality, high-volume research.

The programme provides thorough theoretical and practical knowledge of the variety of qualitative and quantitative data collection methods available to the social scientist, and the main methods of data analysis. The programme also covers the research process, ethical considerations and social theory. You will be encouraged to apply your methods training to substantive research interests.

The MSc programme comprises six 12-week taught units and six assessed essays, followed by a dissertation.

You will study core units in Qualitative Social Research, Quantitative Social Research, and Philosophy and Research Design in the Social Sciences. During the second teaching block you will take two 20-credit units from the optional list of politics units in the School of Sociology, Politics and International Studies.

Bristol graduates are in high demand and have an excellent record of employment following graduation. Graduates of our MSc Research Methods programmes go on to further study at PhD level or pursue research jobs in government or private sector, for example in the House of Commons, the World Bank and the think tank Demos.

Entry requirements: An upper second-class honours degree or equivalent qualification.
Psychology MSc Applied Neuropsychology

This MSc is a collaboration between the School of Experimental Psychology within the University and the Department of Neuropsychology within North Bristol NHS Trust. The degree provides you with training in clinical neuropsychology and a substantial portion of taught content is provided by clinicians working within the NHS. In addition to taught content, the degree involves a research project. Many of the programme units are provided in a block format over a single week.

This MSc is suitable for students intending to become clinical psychologists, as well as those who wish to pursue a career involving contact with patients with neuropsychological deficits (e.g., head injury, dementia, stroke, rehabilitation). It also provides an excellent grounding for students wishing to move on to further academic research through a PhD.

The programme content includes the principles of assessment within clinical and neuropsychology, coverage of a range of neuropsychological disorders and pathologies affecting the brain, techniques for studying the human brain, and principles of treatment and rehabilitation following brain damage. The programme focuses on evidence-based practice within a clinical context.

A novel feature of our clinical training is that all lectures are broadcast live online, so some can be viewed without having to travel to lecture theatres. Students will have access to a large range of recorded clinical case reviews, which supplement the learning experience.

**Entry requirements:** An upper second-class honours degree (or international equivalent) in psychology.

**Postgraduate Diploma in Applied Neuropsychology**

This diploma provides you with training in clinical neuropsychology and a substantial portion of the taught content is provided by clinicians working within the National Health Service. The training is identical to that provided to UK-registered clinicians who want to specialise in clinical neuropsychology and meets the UK British Psychological Society requirements for the knowledge dimension of the Qualification in Clinical Neuropsychology (QICN).

It provides an excellent basis for anyone wishing to pursue a career working with patients with neuropsychological deficits. Alternatively, the diploma can lead to further doctoral research. It would also be of interest to international students looking to obtain specialist training in clinical neuropsychology.

There is a strong focus on patient care, diagnostics, and management of a range of neurological conditions. As well as working within the acute hospital trust, the department provides input to specialist inpatient and outpatient rehabilitation services for people with acquired brain injury.

**Bristol-based study:** This mode of delivery is designed to suit people with professional or other commitments. 80 credits of taught content are delivered in four separate teaching blocks, each lasting a week, which students are expected to attend in person. The remaining 40 credits are delivered through weekly online lectures, presentations and seminars.

**Distance learning (international students only) option:** All aspects of delivery are identical except that lectures are viewed online. However, we also...
offer distance learners regular additional online sessions providing enhanced academic and pastoral support.

**Entry requirements:** An upper second-class honours degree in psychology or a closely related discipline (eg neuroscience, clinical psychology). Some clinical experience is preferable, though not essential.

**MSc Clinical Neuropsychology**
This programme combines the academic excellence of the School of Experimental Psychology with the clinical experience, knowledge and skill of a large and well established clinical neuropsychology department within North Bristol NHS Trust.

The programme places a strong focus on patient care, diagnosis and management of a range of neurological conditions, and is delivered by academics and experienced clinicians. The Clinical Neuropsychology Department offers neuropsychology services to a broad range of patient groups: both paediatric and adult, acute inpatient and outpatient, as well as patients seen primarily for diagnostic assessment and patients seen for rehabilitation.

All lectures are broadcast live online using Adobe Connect and can be viewed at a later date. Some units are provided in a block format of teaching (ie one unit over a single week), while others are presented as lectures on a weekly basis.

This degree provides professional training in clinical neuropsychology and meets the British Psychological Society requirements for the knowledge dimension of the Qualification in Clinical Neuropsychology (QiCN). It also provides continuing professional development to anyone already working in a clinical setting who is seeking specialist training to work with patients with neuropsychological defects.

**Entry requirements:** A clinical doctorate (DClin) plus an undergraduate degree or equivalent qualification in psychology (or similar). You must also be registered as a clinical psychologist with the Health and Care Professions Council.

**Postgraduate Diploma in Clinical Neuropsychology**
Like the MSc Clinical Neuropsychology, this programme benefits from both the academic excellence of the School of Experimental Psychology and the knowledge and experience of staff at North Bristol NHS Trust.

The programme content is primarily guided by the British Psychological Society (BPS) syllabus and guidelines for training in clinical neuropsychology. The diploma includes eight distinct units, which are taught within the University of Bristol and North Bristol NHS Trust. The units are: Issues in Neuropsychology; Functional Neuroanatomy and Neuroscience Methods; Assessment in Clinical Neuropsychology; Applied Neuropsychology; Development and Rehabilitation; Evidence-Based Neuropsychology; Clinical Neuropsychology in Practice; Theoretical Neuropsychology.

All lectures are broadcast live online using Adobe Connect and can be viewed at a later date. Some units are provided in a block format of teaching (ie one unit over a single week), while others are delivered on a weekly basis.

**Entry requirements:** A clinical doctorate (DClin) plus an undergraduate degree or equivalent qualification in psychology (or similar). You must also be registered as a Clinical Psychologist with the Health and Care Professions Council.

**MSc Neuropsychology**
This programme provides an opportunity to specialise in theoretical and practical aspects of neuropsychology. It aims to provide an integrated understanding of brain function, clinical neuropsychology and neuropsychological techniques. The emphasis of this course is on the theoretical basis of the link between brain and behaviour, and the basic research methods to study this link. Clinical syndromes, assessment methods and considerations feature heavily in the MSc. It is particularly suited to students who want to boost their research skills, for example with a view to undertaking a PhD or pursuing a career in experimental psychology, neuroscience or related disciplines.

**Entry requirements:** An upper second-class honours degree (or equivalent) in psychology, or a degree or professional qualification in a relevant field (eg neurosciences).

**MSc Research Methods in Psychology**
This programme will provide you with a theoretical and practical grounding in psychological research techniques, preparing you to go on to a PhD programme in experimental psychology or related disciplines. It can also lead to other fields where you may apply your psychological knowledge and research skills, such as industry or education.

The core of this programme comprises a set of units that teach you the practicalities of carrying out research. The aim is to provide practical training in using a broad range of techniques through taught content, research seminars and practical research experience.

In the autumn term, you will work on an ongoing research project, attend meetings, collect data, and assist with day-to-day activities in the lab. In the spring term, you have the option to complete an intensive unit in the latest brain imaging techniques or choose from several other units drawn from our Master’s programmes. The summer term is entirely devoted to an independent research project under the supervision of one of our leading academics.

**Entry requirements:** An upper second-class honours degree in psychology (or equivalent) or a degree or professional qualification in a relevant field (eg neuroscience).
Religion

The MA in Religion provides advanced study of the religious traditions of both the West and Asia. The programme offers two pathways:

- **Buddhist Studies**
- **Theology and Religious Studies**

These reflect the expertise in the Department of Religion and Theology and allow you to study various religious traditions with scholars who are world-renowned experts in those fields.

The Buddhist Studies pathway is suitable for those who either want to deepen their knowledge of Buddhism through academic study or are interested in undertaking research in Buddhist studies but have little or no formal academic training in Buddhist studies at undergraduate level.

The core units are Buddhism: The Foundations (20 credit points) plus one of the following language units (20 credit points): Introductory Sanskrit I, Classical Chinese, Pali and Buddhist Sanskrit (only available to students with one year of Sanskrit). Please note that not all languages will be taught each year.

You will choose four optional units from the selection available. Optional units can vary each year but may include: The Practice of Theravada Buddhism in Asia; Aspects of Chinese Buddhism; Buddhist Psychology and Mental Health; Yoga and Meditation.

For the Theology and Religious Studies pathway the core units are Buddhism: The Foundations (20 credit points) and History of Christianity: Core Texts (20 credit points). Optional units vary from year to year but may include: Medieval Mystics and Visionaries in Medieval England; The Renaissance and the Rise of the Modern Age; Greek Language Level A; Jesus in an Age of Colonialism; Atheism; and The Origins and Development of Zen Buddhism.

Whichever pathway you choose, you will engage in supervised research on a topic of your choice and submit a dissertation of between 10,000 and 15,000 words.

Students who complete this MA programme have taken up many different careers, including academic research, social work, banking, counselling and teaching, design, journalism, film and the arts.

**Entry requirements:** An upper second-class honours degree (or international equivalent). Non-traditional qualifications/routes may also be considered.

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**Programme**

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For further details, including entry requirements and how to apply, see [bristol.ac.uk/pg-study](http://bristol.ac.uk/pg-study). Research programmes are listed on the Faculty of Arts pages (pp42-43).

*See p21 for more information about tuition fees.
# Social Work

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For further details, including entry requirements and how to apply, see bristol.ac.uk/pg-study. Research programmes are listed on the Faculty of Social Sciences and Law pages (pp52-53). †Depending on the programme. Up to two years for students registering on the occasional route (ie no award). *See p21 for more information about tuition fees.

**MSc Advanced Social Work with Children and Families**

This is a part-time modular programme providing continuing professional education for registered social workers who are currently working with children and young people, their families and carers in the UK.

The programme leads to one of three awards you can enter at MSc, Postgraduate Certificate or Postgraduate Diploma level. You are also welcome simply to take any of our units on a credit-only basis.

Core units are: Child Development, Health and Wellbeing; Contemporary Law and Policy for Child Welfare Services; Assessment, Risk and Decision-Making; and Social Work with Children and Families with Complex Needs.

**Entry requirements:** Professional social work qualification (or equivalent) and current registration with the Health and Care Professions Council (or equivalent). An honours degree (or equivalent qualification demonstrated through experience in the field), and evidence of your ability to study at postgraduate level. As this is a practice-focused programme, students are required to be in professional social work practice in the UK in some capacity throughout their time on the programme.

**MSc Social Work**

Social work is a demanding but highly rewarding profession. As a qualified social worker you will be able to work with both children and adults, helping them to be safe so that they can cope and take control of their lives again. You will work with them to assess their needs, find what will help them, build their self-confidence and link them to other services. This requires an ability to appraise complex and difficult situations, drawing on social science research, social work theories and methods of intervention. You will need a thorough understanding of social policies and a firm grasp of the legal powers and duties that underpin your practice.

The MSc in Social Work combines university-based learning with two extended periods of supervised practice as a student social worker in a social work agency. Completion of the degree will make you eligible to register with the Health and Care Professions Council and practise as a qualified professional social worker in a range of areas including statutory, voluntary, private and independent sectors.

**Entry requirements:** An upper second-class honours degree (or equivalent) in any discipline. Relevant social work/social care-related experience. GCSE English and Mathematics grade A-C (or equivalent) are required.

**MSc Social Work Research**

Social work has been defined as a profession that ‘promotes social change, problem solving in human relationships and the empowerment and liberation of people to enhance social justice.’ The scope of social work research is equally broad and requires researchers to be able to engage with a variety of disciplines in a range of settings, often working alongside those with different perspectives.

The programme is delivered through a series of intensive three-day block visits held in Bristol, with the aim to be most accessible to full-time students, busy policy professionals and practitioners. Each unit is delivered during one of these blocks, allowing you to accumulate credits flexibly.

Please be aware that this programme does not lead to a professional qualification in social work. If you want to study for a qualification in social work practice, please see the MSc in Social Work.

**Entry requirements:** An upper second-class honours degree (or equivalent) in a social science or other relevant discipline; or an upper second-class honours degree (or equivalent) in any subject and a masters degree in social work; or a professional qualification in social work and substantial relevant experience and evidence of ability to benefit from the programme.
**Sociology**

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<td>1yr FT;</td>
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<td><a href="mailto:spais-mscenquiries@bristol.ac.uk">spais-mscenquiries@bristol.ac.uk</a></td>
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<tr>
<td></td>
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<td>UK £6,500 FT</td>
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<td></td>
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For further details, including entry requirements and how to apply, see [bristol.ac.uk/pg-study](http://bristol.ac.uk/pg-study). Research programmes are listed on the Faculty of Social Sciences and Law pages (pp52-53). *See p21 for more information about tuition fees.

**MSc Contemporary Identities**

The study of identity is a burgeoning area of sociological and cultural studies. Over a range of units, this programme provides an introduction to key themes in this field, with identity explored in both theoretical and substantive ways.

On the one hand, there has been an exciting and innovative strand of work to explore and re-theorise the ideas of subjectivity and selfhood in the context of changes brought about by late modern and postmodern society. On the other, the question of identity has come under scrutiny from within substantive areas of sociology, such as the sociology of race and ethnicity, the sociology of religion and the sociology of gender relations. There are also important discussions concerning the ways in which identities are recorded and observed, including debates over new narrative and other qualitative methodologies.

The MSc programme comprises six 12-week taught units and six assessed essays, followed by a dissertation. The core units are Contemporary Identities and Inequalities and the dissertation. You will also choose at least four further units from a list of sociology units. Options vary each year but may include: Theories of Ethnicity and Racism; Introduction to Quantitative Research Methods; Understanding Culture; Narrating the Self; and The Theory and Politics of Multiculturalism.

**Entry requirements:** An upper second-class honours degree (or equivalent) in a relevant subject.

**MSc Ethnicity and Multiculturalism**

This programme is principally concerned with explaining the importance of ethnicity and multiculturalism, race, racism, diaspora and communalism in contemporary societies. It has a particular focus on the nature of multicultural and multi-ethnic societies, the issues surrounding culture in a modern and postmodern world, and the growing public policy implications of addressing ethnic, cultural, linguistic and religious diversity within modern nation-states.

It also examines the discrimination, exclusion, marginality and unfair treatment of minority groups, and the violation of their civil rights in different societies.

The MSc programme comprises six 12-week taught units and six assessed essays, followed by a dissertation. Core units are Theories of Ethnicity and Racism and the dissertation. Optional units vary each year but may include: The Theory and Politics of Multiculturalism; Nations and Nationalism; Religion and Politics in the West; Understanding Risk; and Contemporary Sociological Theory.

**Entry requirements:** An upper second-class honours degree (or equivalent) in an appropriate subject.

**MSc Social and Cultural Theory**

This programme provides an introduction to a range of debates located within the so-called ‘cultural turn’ in sociological studies. Increasingly, sociologists are looking to the concept of culture as a source of explanation – and questioning – in their studies of contemporary social formations.

Both theoretical and substantive elements of this cultural turn are addressed. Therefore, the works of key thinkers within social and cultural theory (Pierre Bourdieu, Michel Foucault and others) are explored, while the role of cultural explanations within theories of race and ethnicity, gender relations and the sociology of religion (among others) is also given both theoretical and empirical consideration.

[bristol.ac.uk](http://bristol.ac.uk)
These issues are situated within the framework of analyses and critiques of wider debates and discourses in social and cultural theory on questions such as postmodernism, postfeminism and postcolonialism.

The MSc programme comprises six 12-week taught units and six assessed essays, followed by a dissertation. Core units are Understanding Culture and the dissertation. You may choose four optional sociology units. Options vary each year but may include: Contemporary Sociological Theory; Theories of Ethnicity and Racism; Interpreting Gender; Popular Music and Society; Nations and Nationalism; and Religion and Politics in the West.

**Entry requirements:** An upper second-class honours degree or equivalent qualification.

**MSc Social Science Research Methods (Sociology)**

This programme reflects the School of Sociology, Politics and International Studies' expertise in research methods training. It is particularly suitable for those seeking a career as a social science researcher or going on to a PhD, including Economic and Social Research Council-funded doctoral study. It is specially formulated to reflect the training recommended by the ESRC and has been accredited as a research training programme.

You will develop thorough theoretical and practical knowledge of the variety of qualitative and quantitative data collection methods that are available to the social scientist and the principal methods of analysing data. The programme also covers the research process, ethical considerations and social theory. You will be encouraged to apply your methods training to substantive research interests.

The programme comprises six 12-week taught units and six assessed essays, followed by a dissertation. The dissertation enables you to pursue an independent, in-depth study, reflecting on the epistemological and methodological issues covered in the taught element of the programme.

**Entry requirements:** An upper second-class honours degree or equivalent qualification.

**MSc Sociology**

This programme gives you the opportunity to extend your core sociological knowledge and understanding. It will also consolidate familiarity with the discipline for those with a background in a related subject, but without specialised knowledge of sociology.

The key learning goals are to develop critical use and comprehension of social theory, gain a grounding in methodologies and techniques of enquiry, and focus on distinctive, substantive sociological topics, such as ethnicity, multiculturalism, gender, sexuality, religion and culture.

The MSc programme comprises six 12-week taught units and six assessed essays, followed by a dissertation.

Core units are Contemporary Sociological Theory, either Qualitative Social Research or Quantitative Social Research and the dissertation. The dissertation gives you the opportunity to pursue a sociological project of your choice in greater depth, while still providing close academic supervision.

You may choose four units from the list of sociology options. Options vary each year but may include Theories of Ethnicity and Racism; Understanding Culture; Narrating the Self; The Theory and Politics of Multiculturalism and Interpreting Gender.

**Entry requirements:** An upper second-class honours degree (or equivalent qualification) in a relevant subject.
**Translation**

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<th>Awards</th>
<th>Duration</th>
<th>Fees (per year)*</th>
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<td>MA</td>
<td>1yr FT; 2yrs PT</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>UK £3,300 PT</td>
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<td>Overseas (non-EU) £15,500</td>
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<tr>
<td>Translation</td>
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<td>1yr FT; 3yrs PT</td>
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<td></td>
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<td></td>
<td>UK £6,600 FT</td>
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<td>UK £2,200 PT</td>
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For further details, including entry requirements and how to apply, see [bristol.ac.uk/pg-study](http://bristol.ac.uk/pg-study). Research programmes are listed on the Faculty of Arts pages (pp42-43).

*See p21 for more information about tuition fees.

**MA Chinese-English Translation**

This exciting Chinese-English Translation Master’s programme develops an understanding of translation in a global context. You will explore how practical translation is informed by theory, develop your verbal and written communication skills, and build your IT literacy to help you produce translation of the highest quality.

Overseas students will come to the UK not only to learn advanced translation skills from and into Chinese, but also to develop their English language skills and their knowledge of UK culture first-hand. The course is also open to students for whom English is a native language as long as their command of Chinese is at a high level.

The MA in Chinese-English Translation will enable you to develop the skills in translation, interpreting, analytical thinking, research and collaboration that are essential to today’s workplace and equip you to facilitate communication between cultures.

During the first semester, all students will participate in weekly workshop-style classes as part of the Applied Translation unit, which is taught by experienced professional translators. The Theories of Translation unit is a lecture-based course that gives an opportunity for advanced reflection on the modes and purposes of translation within the translator’s social and cultural context, while units in English for Translators and in Academic English build an awareness of how language works and help to hone English skills for professional purposes. Students whose native language is English may substitute these units for another.

During the second semester, the two main core units for all students are a 15,000-word dissertation and Introduction to Specialised Translation. The dissertation takes the form of either an extended translation plus commentary or a research-based dissertation. In addition to these two core units, students are given the opportunity to select from a variety of optional units.

**Entry requirements:** An upper second-class honours degree (or international equivalent). Non-traditional routes may also be considered.

**MA Translation**

This MA is a distance-learning Master’s programme for aspiring or practising translators. It is suitable for graduates in any discipline and offers one or two of the following languages in addition to English: Czech, French, German, Italian, Mandarin Chinese, Portuguese, Russian, Spanish. The MA combines intensive language-specific practice with training in translation theory and translation technologies.

You will study interactively as part of an online group led by a tutor. The programme is taught entirely online and you are not expected to come to campus at all. Our library has an excellent stock of e-books and e-journals on translation. However, you are just as much a member of the University as any other student and we would be delighted to welcome you to Bristol if you want to visit. We organise a programme of translation talks and seminars each year.

Online group discussion means that we have a very lively and supportive learning community. If you need help on a one-to-one basis, tutors can support you in a number of different ways, for example using Skype, phone or email.

The University has close links with professional associations and helps students to take advantage of internships in the EU and the UK where possible. We have corporate membership of the Institute of Translation and Interpreting and institutional membership of the American Translators’ Association (ATA). We are on the ATAs list of approved providers of translator training.

**Entry requirements:** An upper second-class honours degree (or international equivalent) in the relevant language(s). Non-traditional qualifications/routes may also be considered.
Veterinary Sciences

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<td></td>
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<td>1yr FT</td>
<td>£1,000 FT</td>
<td><a href="mailto:sophie.adamantos@bristol.ac.uk">sophie.adamantos@bristol.ac.uk</a></td>
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<td>£1,000 FT</td>
<td><a href="mailto:cvs-postgrad-enquiries@bristol.ac.uk">cvs-postgrad-enquiries@bristol.ac.uk</a></td>
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For further details, including entry requirements and how to apply, see bristol.ac.uk/pg-study. Research programmes are listed on the Faculty of Health Sciences pages (pp48-49). *See p21 for more information about tuition fees.

**MSc Global Wildlife Health and Conservation**

This innovative programme aims to give you the knowledge, skills and practical training needed to work with wildlife, with special emphasis on wildlife health and conservation at the global scale.

Cutting-edge topics include: animal capture and handling techniques; the assessment, stabilisation and transportation of injured animals; methods for improving the welfare of captive animals; concepts in behavioural ecology; endangered species breeding programmes; the reintroduction of captive populations to the wild; practical conservation strategies; and the management of protected areas. The curriculum also delivers a comprehensive introduction to wildlife disease ecology, surveillance and control.

The MSc is based at the School of Veterinary Science near the Mendip hills in Somerset, providing convenient access to Exmoor National Park and the rich wildlife habitats of south-west England. A large number of lectures, small group workshops and practical sessions take place at Bristol Zoo, allowing you to gain hands-on experience of exotic animal care while working behind the scenes in a modern zoological garden.

A special feature of this MSc is the large number of specialist lectures, workshops and seminars that are delivered by leading researchers, conservationists and wildlife veterinarians from outside the University. These provide a valuable networking opportunity that will benefit your future career.

The course is split into two elements. A taught element runs from September to April, and a research element from May to August provides an opportunity for you to carry out an applied project on a wildlife topic of interest to you.

**Entry requirements:** The minimum entry requirement for this MSc is an upper second-class honours degree (or international equivalent) in a biological, veterinary, environmental or other natural science subject.

**PG Diploma Veterinary Clinical Practice**

This programme will appeal to vets with one or two years of clinical experience who want to develop their clinical skills. As well as preparing students for further clinical training, it also aims to develop skills for a primary care setting.

The diploma lasts 12 months and encompasses several pathways, including small animal practice, equine practice and clinical pathology; each student will pick one pathway for study. There are two compulsory units for each pathway and each unit carries equal weighting.

The goal is for students to consolidate and build on the clinical knowledge and skills gained from their undergraduate study and prior professional practice in an area of veterinary medicine. Teaching will be delivered by a combination of directed clinical training, face-to-face presentations and seminars, online resources and self-directed learning. Students will also receive training in evidence-based veterinary medicine.

**Entry requirements:** Candidates will need a relevant degree that grants them membership of the Royal College of Veterinary Surgeons (MRCVS), plus a minimum of one year’s primary clinical experience in an English-speaking practice.

**MSc Veterinary Science**

The three-year MSc programme in Veterinary Science is designed to give senior clinical training scholars a grounding in developing clinical research skills. A significant component of the Master’s will relate to clinical responsibilities in your chosen specialist areas. Additional units are designed to enhance universally important skills such as scientific writing, statistical analysis, critical reading and teaching. A research project will form an essential part of the Master’s degree and European diploma requirements.

Applications are welcome from veterinary surgeons who are interested in pursuing further specialist studies after completing a junior clinical training scholarship. Students who complete this programme will be prepared for careers as specialist veterinary surgeons or academic vets, or for work in industry or research.

**Entry requirements:** Applicants will need to be qualified veterinary surgeons.