



Brunel
University
London

UNDERGRADUATE





CHOOSING YOUR COURSE

You can choose from more than 110 single and joint honours degrees in subject areas that range from Anthropology to Flood and Coastal Engineering, Physiotherapy and Theatre.

You may still be undecided on what course you want to take - many of our courses allow you to specialise in the areas that interest you most in your second or third year by selecting a particular pathway. Or you could consider taking a joint honours degree where you study two subjects in equal proportions.

You'll find details of all our courses on the following pages. They are grouped and colour-coded according to which College the subject falls in and each course gives you information such as UCAS codes, entry requirements, typical modules and any other course specific details to help you decide on the course that's right for you.

Further information about our courses can be found online at www.brunel.ac.uk/study

The information about our courses is correct at the time of going to press. Please go to our website for the latest details.

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systems of exchange & inequality

Anthropology

Anthropology at Brunel offers a unique and powerful means of understanding cultural and social diversity in the modern world. Internationally renowned for cutting-edge work in new scholarly fields, we maintain a strong tradition of broad-based anthropological teaching.

Anthropology is concerned with contemporary issues such as multiculturalism, identity politics, racism and ethnic nationalism, changing forms of the family, religious conflict, gender and the political role of culture. It addresses such perennial questions about human nature as: 'What do we have in common with each other cross-culturally?' and 'What makes us different?' If you are intrigued by these questions and want to study a discipline that will enrich your everyday life and equip you for a wide variety of occupations, anthropology is the right course for you.

► **Anthropology BSc (Hons)**

► **Anthropology and Sociology BSc (Hons)**

Why study Anthropology at Brunel?

We have an excellent reputation for our cutting-edge research addressing both global issues - particularly in Africa, South/Southeast Asia and the South Pacific - and local problems. Our staff are experts in child-focused anthropological studies, development, psychological anthropology and medical anthropology.

Our thriving Anthropology Society organises regular parties, film screenings, trips and talks that will help you extend your learning as you socialise.

If you select one of our four-year placement courses you'll have the opportunity to undertake a year of fieldwork placements anywhere in the world.

www.brunel.ac.uk/anthropology

"Our students undertake placements across the globe, often combining them with ethnographic fieldwork for a truly distinctive experience. Recent projects have included marine conservation in Montserrat, working with women and children in Morocco and - closer to home - working with homeless youth in Birmingham."

Dr Liana Chua, Senior Lecturer in Anthropology



Brunel Anthropology is ranked 1st in the country for student satisfaction. (National Student Survey 2017)

Anthropology BSc (Hons)

This course provides you with a foundation in key anthropological concepts alongside hands-on fieldwork-based research. You'll gain a solid grounding in core anthropological topics such as politics, religion and kinship. You'll also get the chance to venture into new and cutting-edge areas, notably in medical anthropology, the anthropology of childhood, education and youth, and international development.

Anthropology and Sociology BSc (Hons)

If you choose a joint degree with Sociology, Anthropology's sister discipline, you'll look at the foundations of social life and the big issues in contemporary society: inequality, racism, globalisation and migration. This will take your knowledge of culture and society to the next level, and you'll develop practical and analytical skills for a changing world.

What you'll learn (typical modules)

Level 1

Modules: Introduction to Anthropology: Themes; Introduction to Anthropology: Beliefs and Ways of Thinking; Research Methods in Anthropology; Anthropology and Contemporary Debates; Anthropology, Objects and Images; Anthropology Pre-Placement Study Block

Level 2

Modules: Ethnicity; Culture and Identity; Ethnography of a Selected Region; Political and Economic Issues in Anthropology; Classical Anthropological Theory

Optional modules: Global Communication; Sociology of Everyday Life: Issues in Contemporary Culture

Level 3

Modules: Social Anthropological Dissertation; Contemporary Anthropological Theory

Optional modules: Anthropology of the Person; Anthropology of the Body; Anthropology of Childhood and Youth; Themes in Psychological and Psychiatric Anthropology; Medical Anthropology in Clinical and Community Settings; Anthropology of Education and Learning; Ethnography of a Selected Region; Anthropological Perspectives on War and Humanitarianism; Global Health in Anthropological Perspective



WORK
PLACEMENTS



STUDY
ABROAD

UCAS codes

Anthropology BSc (Hons)

L601 3 years full-time
L602 4 years full-time with placement

Anthropology and Sociology BSc (Hons)

LL6H 3 years full-time
LL63 4 years full-time with placement

Apply at www.ucas.com

Entry criteria

ABB (A-level), D*DD (BTEC), 31 points (IB)

For detailed subject and grade requirements, visit our website.

“ Anthropology at Brunel has given me the chance to explore others and my own cultures in ways I didn't know before. I've had the opportunity to travel, whilst gaining knowledge for my degree. ”



Caroline Grasmeder,
Anthropology BSc, Level 3

Getting ready for work

Your research and fieldwork forms a major part of your degree and will give you a head start in finding a good job when you graduate. Your placement provides important work experience and connects you with organisations and people who will be invaluable when it comes to progressing your career.

When you graduate from Brunel you'll be one of the most employable anthropology graduates in the country. Our graduates have gone on to work at UNICEF, the NHS, NGOs and charities such as Oxfam and Save The Children, as well as in local government, legal sectors, business and the media.

You'll have the opportunity to study abroad at one of our European university partners.



Brunel Business School

Brunel Business School is an award-winning School offering a range of degrees, many with professional accreditation.

An undergraduate degree from Brunel Business School will prepare you for a wide variety of roles and industry sectors. It will equip you with a broad knowledge and appreciation of business and management. Along the way you'll develop the analytical, technical and interpersonal skills to understand, analyse and address the problems that companies face today.

We offer one of the best final-year project teaching and learning processes to help you create high-quality project work, often from your work placement experiences. You'll also benefit from our Business Life professional development programme. This provides you with opportunities to attend talks by corporate speakers and to develop your technical and soft skills in preparation for the world of work.

- ▶ **Business and Management BSc (Hons)**
- ▶ **Business and Management (Accounting) BSc (Hons)**
- ▶ **Business and Management (Entrepreneurship and Innovation) BSc (Hons)**
- ▶ **Business and Management (Marketing) BSc (Hons)**
- ▶ **International Business BSc (Hons)**

Why study Business and Management at Brunel?

You will gain a thorough grounding in the theoretical and practical characteristics of organisations, including their structures, cultures and administrative processes. You'll also study the theories related to managerial tasks and roles within an organisation's major functional areas.

Our students regularly secure placements in top organisations such as national and international banks and multinational companies. Recent placement employers have included British Airways, Microsoft, Morgan Stanley and Credit Suisse.

www.brunel.ac.uk/business-school



“To be successful in today's globalised and competitive business environment, organisations require a management team that possesses a breadth and depth of experience and knowledge across areas of business and management. This programme will help you develop the skills required for a successful career.”

Dr M Kamal, Director of Undergraduate Studies

Brunel Business School is accredited by the Association to Advance Collegiate Schools of Business (AACSB), the highest standard of quality in business education.

The courses all share a common first year of study. In Years 2 and 3 you can choose to specialise in Accounting, Marketing or International Business; or you can continue with the general Business and Management BSc.

Business and Management BSc (Hons)

The Business and Management general pathway will cover all the fundamental elements of Business and Management. The core components of this degree will offer you the widest range of skills in business and management including: fundamentals of market economies; theoretical and practical characteristics of organisations; various business models and frameworks, and the challenges of coping with future uncertainty, and managing change.

What you'll learn (typical modules)

Level 1

Modules: Introduction to Management Enquiry; Managing Information with Technology; Organisational Behaviour and Analysis; Introduction to Accounting; International Business Environment; Principles and Practice of Marketing

Level 2

Modules: Marketing Communications; Critical Perspectives in Management; Managing Change and Creativity in Organisations; Project Management; Human Resource Management and its International Dimensions; Operations Management

Level 3

Modules (including options): Strategic Management; Business Ethics; Environmental Sustainability and Governance; Issues and Controversies in Management Project; Entrepreneurship and Small Business Ventures; Gender and Organisations; International Marketing; Innovation and Knowledge Management



WORK
PLACEMENTS



STUDY
ABROAD

UCAS codes

Business and Management BSc (Hons)

N100 3 years full-time

N221 4 years full-time with placement

Apply at www.ucas.com

Entry criteria

BBB (A-level), DDD (BTEC), 30 points (IB)

For detailed subject and grade requirements, visit our website.

“There's so much flexibility in the first year, because you don't have to choose your pathway until the second year - which really took the pressure off. The academics are so supportive and have office hours where you can speak to them one-to-one about any questions you have. I've made so many friends here at Brunel, not just on my course but through the Student Ambassador scheme, living in halls and through different societies. I'm excited for my final year, because I'll be writing my dissertation on my placement year. I'm particularly looking forward to starting the 'entrepreneurship' module, as I hope to one day own my own business.”

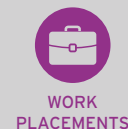
Lili Mackintosh, Level 3 Business and Management BSc



Business and Management (Accounting) BSc (Hons)

This course will add specialist, skills-based knowledge of the applications of accountancy to your understanding of the world of commerce. You'll also gain hands-on experience of industry standard Sage Accounting software and acquire other valuable technical skills - including numerical methods and statistical software packages such as SPSS and Excel - without the need for A-level maths or the overseas equivalent.

This course is accredited by some of the leading Accountancy bodies: the Association of Chartered Certified Accountants (ACCA), the Chartered Institute of Public Finance and Accountancy (CIMA), the Chartered Institute of Public Finance and Accountancy (CIPFA), the Institute of Chartered Accountants in England and Wales, and the Association of International Accountants (AIA). These organisations will provide exemptions to some of their professional papers when you graduate.



WORK
PLACEMENTS



STUDY
ABROAD

UCAS codes

Business and Management (Accounting) BSc (Hons)

NN14 3 years full-time

N2NL 4 years full-time with placement

Apply at www.ucas.com

Entry criteria

BBB (A-level), DDD (BTEC), 30 points (IB)

For detailed subject and grade requirements, visit our website.

What you'll learn (typical modules)

Level 1

Modules: Introduction to Management Enquiry; Managing Information with Technology; Organisational Behaviour and Analysis; Introduction to Accounting; International Business Environment; Principles and Practice of Marketing

Level 2

Modules: Principles and Practices of Financial Accounting; Introduction to Business Law; Management Accounting Decision Making; Management Accounting Planning and Control; Quantitative Methods in Business and Management; Accounting Information Systems

Level 3

Modules (including options): Strategic Financial Management; Issues and Controversies in Accounting; Auditing and Assurance; Entrepreneurship and Small Business Ventures; Taxation; Strategic Management; Business Ethics; Environmental Sustainability and Governance

▶▶▶ You might also be interested in our new Accountancy BSc (Hons) programme. See page 64 for details. ▶▶▶



Business and Management (Entrepreneurship and Innovation) BSc (Hons) – Course subject to approval

This new course combines theoretical and practical entrepreneurial knowledge and skills to prepare you for your careers in new start-ups and more established firms. You will develop hands-on entrepreneurial skills and benefit from guest speaker sessions, company visits and live case studies.

Students will develop an entrepreneurial mind-set that is not only driven by creating economic value, but also social innovation to create social value. Social entrepreneurship will be intertwined in the program. Students can also choose other optional modules if you want to progress into a more specialised area towards entrepreneurship and innovation.

Business and Management (Marketing) BSc (Hons)

This business course with a specialism in marketing offers the opportunity to develop an in-depth understanding of marketing functions. As part of your course you will explore the theories and principles of modern day marketing such as market research, database marketing, consumer behaviour, marketing communications and not-for-profit marketing and how these translate into marketing practice.

You can also opt to study a Chartered Institute of Marketing qualification through CIM Gateway. Brunel has joined forces with the Chartered Institute of Marketing (CIM) to give students of this course the opportunity to boost your employability opportunities – nationally and internationally – by gaining professional qualifications through CIM Graduate Gateway.

CIM qualifications are highly sought after by employers and their content is reflected in our own degrees, which ensure you will be equipped with the best opportunities for a successful marketing career.

The CIM is the leading professional body for marketers worldwide and exists to develop and maintain professional standards and improve the skills of marketing practitioners. This gives our students the opportunity to study the CIM alongside your marketing degree, with CIM professional instructors on campus.

“One of the major reasons I decided on Brunel University London was the countless opportunities available to students. Some of the opportunities I've taken up include studying for a Chartered Institute of Marketing qualification to help differentiate myself from other marketing graduates. Others have included a year's placement as well as a Summer internship doing digital marketing for Buttle UK.”



Pius Abitegeka,
Business and Management (Marketing) BSc, Level 3



UCAS codes

Business and Management (Entrepreneurship and Innovation) BSc (Hons)

3 years full-time

4 years full-time with placement

Business and Management (Marketing) BSc (Hons)

N2NM 3 years full-time

N2N5 4 years full-time with placement

Apply at www.ucas.com

Entry criteria

BBB (A-level), DDD (BTEC), 30 points (IB)

For detailed subject and grade requirements, visit our website.

What you'll learn (typical modules)

Level 1

Modules: Introduction to Management Enquiry; Managing Information with Technology; Organisational Behaviour and Analysis; Introduction to Accounting; International Business Environment; Principles and Practice of Marketing

Level 2

Modules: Database and Customer Relationship Management; Marketing Communications; Critical Perspectives in Management; Consumer Behaviour; Marketing Research; Marketing Channels and Logistics

Level 3

Modules (including options): International Marketing; Strategic Marketing; Issues and Controversies in Marketing Project; Entrepreneurship and Small Business Ventures; Internet Marketing; Business Ethics; Environmental Sustainability and Governance; Brand Management

CIM
Graduate Gateway

International Business BSc (Hons)

This degree focuses on the fundamentals of national and international market economies and the forces that shape business corporations locally and globally. The emphasis is on internationalisation and globalisation issues generated by multinational enterprises that currently account for over 50 per cent of global output. A deeper understanding of their commercial power will help you to position yourself strategically in a competitive job market.

What you'll learn (typical modules)

Level 1

Modules: Introduction to Management Enquiry; Managing Information with Technology; Organisational Behaviour and Analysis; Introduction to Accounting; International Business Environment; Principles and Practice of Marketing

Level 2

Modules: International Business in Emerging Markets; Economics for Business and Management; International Relations; Entrepreneurship and Marketing in Business; Human Resource Management and its International Dimensions; Quantitative Methods for Business and Management

Level 3

Modules (including options): International Business Strategy; International Strategic Innovation Management; International Marketing; Entrepreneurship and Small Business Ventures; Issues and Controversies in Management; Business Ethics; Environmental Sustainability and Governance; Globalisation and Governance



UCAS codes

International Business BSc (Hons)

N120 3 years full-time

N121 4 years full-time with placement

Apply at www.ucas.com

Entry criteria

BBB (A-level), DDD (BTEC), 30 points (IB)

For detailed subject and grade requirements, visit our website.

Getting ready for work

We have extensive links with employers and industry and you'll benefit from our networks as well as having the opportunity to learn from a variety of guest speakers. All our business degrees offer an optional work placement year and we'll encourage you to take this up. This experience in the workplace is highly valued by employers and will give you the edge when you apply for jobs.

Our inspiring professional and personal development programme Business Life will also help you to prepare for the world of work with its range of optional sessions including training and practice in a range of skills like customer service, team working, presenting and project management.



Communication and Media Studies

Our Communication and Media Studies degree aims to provide you with a mature, critical and sociologically-informed understanding of the place of the media in today's society, with a particular focus on new communication and information technologies.

The course is closely connected with Sociology at Brunel and we pay particular attention to the social and cultural dimensions of the media, especially the social and cultural consequences of the new technologies of communication and information.

► Communication and Media Studies BSc (Hons)

Why study Communication and Media Studies at Brunel?

Our state-of-the-art media services suite has industry-standard facilities. You'll have access to video production equipment and training including AVID video editing suites, so you can develop the skills needed by media employers.

By choosing to undertake a work placement you'll benefit from our links with external organisations. Past placements have included work in TV, film and video production, advertising, the music business, local radio and public relations.

www.brunel.ac.uk/communication-and-media-studies

“In this moment of intense media and social change, the Communication and Media Studies BSc at Brunel provides a brilliant base to study media, communications and society. We offer an exciting range of work placements, practical training and engagement with theory.”

Sarita Malik, Professor of Media, Culture and Communications

Our state-of-the-art media services suite has industry-standard facilities to help you develop the skills needed by media employers.

Communication and Media Studies BSc (Hons)

This course teaches through both theory and hands-on experience how the communication and information media work.

You'll study practical media production in our specialist suites using professional-standard editing software, preparing you for the industry when you graduate. You'll learn through lectures and seminars and have one-to-one tutorials to discuss your dissertation in your final year. All students take part in practical modules. Video production is taught throughout the programme. In addition, you'll study social research methods. These include observation, interviewing and questionnaire design.

What you'll learn (typical modules)

Level 1

Modules: Making Sense of Culture and Society; Researching Culture and Society; Exploring Identity and Power; Key Ideas in Media; Media Production I: Non-Fiction

Level 2

Modules: Media Production II: Fiction; Research in Practice; Social Media and Networked Cultures; Global Communication; Creative Industries; Fashion and Culture; Bodies and Society; Visual Cultures; Media Genres; Apocalypse! Crisis and Society

Level 3

Modules: Digital Cultures; Racism, Identity and Difference; Comedy, the Media and Society; Changing Audiences; Beyond Human; Global Cities: Spaces and Culture

Getting ready for work

You'll acquire knowledge in understanding traditional and new information and communications technologies and processes. You'll also develop a set of transferable skills that are useful across a wide range of careers. We provide rigorous training in methodologies and research skills. These skills, along with the work placements, are all part of preparing you for the world of work. Our graduates enter a variety of careers ranging from public relations and corporate communications to research and production work for video and television companies.



WORK
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STUDY
ABROAD

UCAS codes

Communication and Media Studies BSc (Hons)

PP93 3 years full-time

PP94 4 years full-time with placement

Apply at www.ucas.com

Entry criteria

BBC (A-level), DDD (BTEC), 29 points (IB)

For detailed subject and grade requirements, visit our website.

"I was fortunate enough to do a placement at The Walt Disney Company. Eager to learn more about the promotions side of children's television, I worked for a year as a Creative Intern for the channels, creating digital content for the YouTube pages and promos for on-air that were broadcasted in various parts of the world."

Simisola Fatona, Communication and Media Studies BSc, Level 3



BRUNEL STORIES

Hollywood calls for Brunel film project

A short film made by Brunel University London students in partnership with industry professionals was screened at the prestigious HollyShorts Film Festival in Hollywood, USA. *The Sound* was selected from among thousands of entries to the annual festival and was screened alongside competition from major names, including actor and film-maker Matthew Modine (*Full Metal Jacket/Stranger Things*). The film was created under the Teach Brunel project, From Script to Screen, which enables students on Film, TV, Communication and Media courses to work with professionals from the film industry, improve their skills, and gain valuable on-set experience. Starring BAFTA-nominated actor Joseph Mawle (*Game of Thrones / Ripper Street*) and Sienna Guillory (*Eragon / Resident Evil*), *The Sound* was produced with BAFTA winner Noel Clarke (*Star Trek / Brotherhood*).

The film, which follows a young girl desperate to find the source of the haunting sound plaguing her mother, screened at the world famous Chinese Theatre in Hollywood on August 13 2017.



Creative Writing

We consider writing as a gift, a profession and above all, a joy. Our courses will sharpen your creative and analytical skills and develop your confidence and passion for writing.

We will introduce you to a wide range of literary genres – supported by the research interests of our staff. You'll cover fantasy, thriller, experimental, steampunk, historical, horror, political, feminist, chick lit, lad lit, crime and comic fiction.

We believe that the best teachers of writing are writers, so we've filled our department with some of the most talented and original wordsmiths working today. These include Benjamin Zephaniah (pictured left), one of the pioneers of the performance poetry movement in Britain, Bernardine Evaristo MBE, who founded the Brunel University African Poetry Prize in 2011, and Daljit Nagra, Faber poet and Radio 4 & 4 Extra's inaugural Poet in Residence.

► Creative Writing BA (Hons)

You can also select one of our joint honours degrees:

- **English with Creative Writing BA (Hons)** see page 74
- **Games Design and Creative Writing BA (Hons)** see page 82
- **Theatre and Creative Writing BA (Hons)** see page 118

Why study Creative Writing at Brunel?

We are proud that our Creative Writing BA is considered one of the best in the UK, consistently appearing in The Guardian's top 10. We will encourage your creative freedom and you'll have the chance to publish your work. Every year we produce a series of anthologies of student writing, curated and co-edited by Creative Writing students.

You'll learn writing techniques from experts and develop your own skills to create fiction, theatre and poetry.

We have strong links with industry. We work closely with agents, publishers, producers and other key industry professionals, giving you the best opportunity to understand the competitive world of the creative industries.

www.brunel.ac.uk/creative-writing

“We work hard at ensuring our students make massive gains, that they discover the form that best suits their personality, that they are always inspired and that they are enabled to learn from their culturally diverse peers.”

Daljit Nagra, Admissions Tutor, Creative Writing



**Creative Writing at Brunel is ranked 8th in the UK.
(Guardian University Guide 2018)**

Creative Writing BA (Hons)

You'll develop your knowledge of the writing professions through our career-focused module on creative writing and the creative industries. In your final year you'll create a major piece of work which might be a short story, a novel fragment, a portfolio of poems, a short play, script or collection of journalism. You'll also work on a critical project that supports your writing. So, if you choose to write a film comedy, you'll be encouraged to study contemporary screen comedy. If you opt for a short story with a post-colonial theme you'll be expected to study post-colonial fiction.

Past students have gone on to work at the BBC and Universal Studios, as well as publishing novels, having plays produced and screenwriting.

What you'll learn (typical modules)

Level 1

Modules: Introduction to Writing Fiction; Introduction to Writing Drama; Introduction to Writing Poetry; Creative and Critical Portfolio; The Creative Process

Level 2

Modules: Writing Journalism; Writing the Short Story; Screenwriting; Horror; Sci-Fi and Fantasy; 19th Century Novel; Shakespeare Text and Performance; The Women's Movement and 20th Century Writing; Post-Colonial Writing; Modernism; Romanticism and Revolution; Contemporary British Fiction; and Genre Fiction

Level 3

Modules: Pyschogeography; Writing Modern Fiction; Writing Comedy; Writing Modern Drama; Performance Poetry; Victorian Literature and Culture; The Muslim World in Early Modern English; Post War and Late Twentieth Century Literature 1945-2001



WORK
PLACEMENTS



STUDY
ABROAD

UCAS codes

Creative Writing BA (Hons)

W800 3 years full-time

W801 4 years full-time with placement

English with Creative Writing BA (Hons)

Q3W8 3 years full-time

QW81 4 years full-time with placement

Games Design and Creative Writing BA (Hons)

WW28 3 years full-time

WW28 6 years part-time

Theatre and Creative Writing BA (Hons)

W4WW 3 years full-time

W481 4 years full-time with placement

Apply at www.ucas.com

Entry criteria

BBB (A-level), DDD (BTEC), 30 points (IB)

For detailed subject and grade requirements, visit our website.

“I've been challenged and pushed to grow as a writer through the nurturing and encouragement I received at Brunel. My personal tutor has been my rock and mentor, as well as a friend.”

Tova Bergman, Creative Writing BA



Getting ready for work

You'll get plenty of exposure to the industry. We invite guest speakers including practitioners from book, magazine and news publishing, film and television, talent agents and career development consultants to come and talk to our students. You can gain further industry experience by joining internship programmes with our support. The advanced communication and research skills you acquire at Brunel are widely prized by employers, including those in the arts, publishing, teaching and marketing. Our graduates are doing wonderful things in publishing, journalism, advertising, television, film, public relations and teaching.



Economics and Finance

Economics and finance are intellectually stimulating subjects that can be applied to a range of problems and are relevant in many different contexts.

Studying economics and finance at Brunel will provide you with a firm foundation of knowledge about the workings of the economy. You'll also develop transferable skills that can be used in a wide variety of career settings.

Our BSc degrees are accredited by the ACCA and CIMA, offering exemptions to some of their papers should you want to study accounting after you graduate.

- ▶ **Accountancy BSc (Hons)**
- ▶ **Banking and Finance BSc (Hons)**
- ▶ **Economics BSc (Hons)**
- ▶ **Economics and Accounting BSc (Hons)**
- ▶ **Economics and Business Finance BSc (Hons)**
- ▶ **Economics and Management BSc (Hons)**
- ▶ **Finance and Accounting BSc (Hons)**
- ▶ **Economics and Mathematics with an Integrated Foundation Year**

Why study Economics and Finance at Brunel?

At Brunel we offer a powerful combination of theory and practice thanks to our strong research culture, which profoundly enhances our teaching and your learning. Our courses are informed by our staff's internationally-acclaimed research in financial markets and institutions, micro and macroeconomics, development, financial accounting, corporate governance and econometrics.

We have links with many organisations; you can opt for a placement course and gain fantastic work experience on an industrial placement.

www.brunel.ac.uk/economics-and-finance



“We aim to ensure our graduates have a good start to their careers through a well-designed programme, research informed teaching, and a placement opportunity to help them build desirable employability skills.”

Professor Frank Skinner,
Head of Department of Economics and Finance



Our BSc degrees are accredited by the Association of Chartered Certified Accountants (ACCA) and the Chartered Institution of Management Accountants (CIMA).

Accountancy BSc (Hons)

- Course subject to approval

Accountancy BSc is a broad-based academic programme and a field of study with practical implications, offering the chance to develop related personal and professional skills. The study of this programme involves the consideration of conceptual, professional and practical aspects of accountancy. The degree structure is progressive, allowing students to move from foundation modules to more critical and specialist modules. The programme embeds international and ethical considerations, with optional modules grounding the study of accountancy in a broader understanding of the perspectives that inform accounting theory and professional practice.

What you'll learn (typical modules)

Level 1

Modules: Introduction to Financial Accounting; Professional Skills and Statistics; Quantitative Methods in Accountancy, Economics and Finance; Foundations of Economics; Financial Markets; Accountancy for Business

Level 2

Modules: Financial Accounting and Statement Analysis; Company Law and Regulation; Management Accounting; Taxation; Ethics; Research Methods in Accountancy

Level 3

Modules: Accountancy Project; Advanced Financial Reporting; Audit and Assurance; Financial Management; Comparative and Contemporary Issues in Accountancy; Strategic Analysis; Forensic Accounting

Banking and Finance BSc

- Course subject to approval

The BSc in Banking and Finance aims to introduce students not only to the economics of banking and finance but also to establish the links between the changing nature of financial markets, institutions and investors' decisions. It also covers the key areas of real estate finance and financial regulation, set in the wider context of an understanding of key issues in economics and finance. The course will offer training to pursue a range of exciting careers in City, the Government, in positions as economists, analysts, researchers, traders and managers, or undertake postgraduate studies.



UCAS codes

Accountancy BSc (Hons)

3 years full-time
4 years full-time with placement

Banking and Finance BSc (Hons)

3 years full-time
4 years full-time with placement

Apply at www.ucas.com

Entry criteria

BBB (A-level) including Maths, DDD (BTEC), 30 points (IB)

For detailed subject and grade requirements, visit our website.

What you'll learn (typical modules)

Level 1

Modules: Financial Markets; Macroeconomic Principles; Microeconomic Principles; Introduction to Financial Accounting; Mathematics for Economics and Finance; Professional Skills and Statistics

Level 2

Modules: Housing Finance; Economics of Information; Money and Banking; Corporate Finance; Introduction to Econometrics; Macroeconomic Principles II; Financial Accounting and Statement Analysis; Company Law and Regulation

Level 3

Modules: Economics of Banking; Financial Regulation; Risk Management; International Money and Finance; Managerial and Industrial Economics; Behavioural Economics and Finance; Financial Engineering; Further Econometrics; Advanced Financial Reporting; Banking and Finance Project

Your first year modules are compulsory, but from Year 2, you'll choose as your degree specialism one of the degrees listed on the following pages.

Economics BSc (Hons)

This general course will develop your understanding of key economic aspects and tools with emphasis on the relationship between theory and real-world examples. During your final year you can choose specialist modules (e.g. labour, industrial or behavioural economics), depending on your interests. Our Economics degree is flexible and you'll have a range of career prospects such as an economics analyst or a professional forecaster. You'll also gain knowledge of econometric techniques preparing you for postgraduate studies or economic research.

What you'll learn (typical modules)

Level 1

Modules: Financial Markets; Introduction to Financial Accounting; Macroeconomic Principles; Mathematics for Economics and Finance; Microeconomic Principles; Professional Skills and Statistics

Level 2

Modules: Macroeconomic Principles II; Mathematical Economics; Introduction to Econometrics; Microeconomic Principles II; Money and Banking; Economics of Information

Level 3

Modules: Economics Project; Advanced Topics in Economic Theory; Further Econometrics; Managerial and Industrial Economics; The Economics of Labour Markets; Behavioural Economics and Finance; International Money and Finance; Development Economics

“The Professional Development Centre played a significant role in helping me gain my placement at accounting firm RSM. The placement gave me valuable insight into working life and helped me to select my final year modules in line with the accounting route I wanted to follow.”

Diana Huong Tran, Finance and Accounting BSc, Alumni



UCAS codes

Economics BSc (Hons)

L101 3 years full-time
L106 4 years full-time placement

Economics and Accounting BSc (Hons)

LN14 3 years full-time
NL41 4 years full-time placement

Apply at www.ucas.com

Entry criteria

BBB (A-level), DDD (BTEC), 30 points (IB)

For detailed subject and grade requirements, visit our website.

Economics and Accounting BSc (Hons)

On this programme you'll study the fundamental analytical techniques of micro and macroeconomics while also developing knowledge and understanding of the core concepts and issues in financial and management accounting. When you graduate, you'll be equipped with the theoretical and practical skills necessary to understand and analyse economic and accounting issues in the business world, preparing you for careers in management consultancy, accountancy and banking.

What you'll learn (typical modules)

Level 1

Modules: Mathematics for Economics and Finance; Microeconomic Principles; Macroeconomic Principles; Financial Markets; Introduction to Financial Accounting; Professional Skills and Statistics

Level 2

Modules: Microeconomic Principles II; Macroeconomic Principles II; Financial Accounting and Statement Analysis; Company Law and Regulation; Introduction to Econometrics; Management Accounting

Level 3

Modules: Economics Project; Managerial and Industrial Economics; Financial Accounting; Taxation; Auditing and Assurance; The Economics of Labour Markets; Behavioural Economics and Finance; International Money and Finance; Further Econometrics

Economics and Business Finance BSc (Hons)

This programme allows you to study the fundamental analytical techniques of micro and macroeconomics while also developing knowledge and understanding of the core concepts and issues in financial and management accounting. When you graduate you'll be equipped with the core theoretical and practical skills necessary to understand and analyse economic and accounting issues in the business world, and be prepared for a variety of potential careers including management consultancy, accountancy and banking.

What you'll learn (typical modules)

Level 1

Modules: Mathematics for Economics and Finance; Financial Markets; Microeconomic Principles; Macroeconomic Principles; Introduction to Financial Accounting; Professional Skills and Statistics

Level 2

Modules: Corporate Finance; Microeconomics Principles II; Macroeconomic Principles II; Corporate Investment; Money and Banking; Econometrics for Finance; Introduction to Econometrics

Level 3

Modules: Economics Project; Advanced Topics in Economic Theory; Financial Theory and Corporate Policy; Financial Engineering; Managerial and Industrial Economics; The Economics of Labour Markets; Behavioural Economics and Finance; International Money and Finance; Risk Management; Development Economics; Further Econometrics

Economics and Management BSc (Hons)

This degree provides in-depth understanding of how the economy and corporations function, how resources are allocated and how incentives are aligned between shareholders, managers and employees. Economics teaches you to examine how consumers, firms and governments make decisions which eventually determine the allocation of resources and output growth. In Management, you'll learn about the organisation and coordination of the activities of a business in order to achieve defined objectives. In your final year, you can choose from management courses such as Entrepreneurship and Small Business Ventures, International Marketing and Strategic Management, along with specialist courses in economics.



UCAS codes

Economics and Business Finance BSc (Hons)

LND3 3 years full-time

LNC3 4 years full-time placement

Economics and Management BSc (Hons)

LNC2 3 years full-time

LND2 4 years full-time placement

Apply at www.ucas.com

Entry criteria

BBB (A-level) including Maths, DDD (BTEC), 30 points (IB)

For detailed subject and grade requirements, visit our website.

“The course materials are constantly updated to reflect the economic developments around us. Therefore, the move from university to a professional environment is a smooth transition.”

Maaz Qureshi, Economics and Business Finance BSc, Level 3



What you'll learn (typical modules)

Level 1

Modules: Mathematics for Economics and Finance; Microeconomic Principles; Macroeconomic Principles; Financial Markets; Professional Skills and Statistics; Organisational Behaviour and Analysis

Level 2

Modules: Microeconomic Principles II; Macroeconomic Principles II; Introduction to Econometrics; Marketing Research; Human Resource Management and its International Dimensions; Critical Perspectives in Management

Level 3

Modules: Managerial and Industrial Economics; Economics Project; Issues and Controversies in Management; The Economics of Labour Markets; International Money and Finance; Development Economics; Further Econometrics; Entrepreneurship and Small Business Ventures; International Marketing; Strategic Management; Business Ethics, Environmental Sustainability and Governance

Finance and Accounting BSc (Hons)

On this programme, you'll gain a sound theoretical and practical grounding in finance and accounting giving you the technical expertise to make sound decisions in the field. You'll learn about investments, corporate finance and econometrics. In your final year, you can choose between more specialised accounting and finance courses. Our emphasis on developing transferable skills means you're prepared for a range of finance and accountancy careers.

What you'll learn (typical modules)

Level 1

Modules: Financial Markets; Introduction to Financial Accounting; Macroeconomic Principles; Mathematics for Economics and Finance; Microeconomic Principles; Professional Skills and Statistics

Level 2

Modules: Financial Accounting and Statement Analysis; Company Law and Regulation; Corporate Finance; Corporate Investment; Introduction to Econometrics; Management Accounting

Level 3

Modules: Economics Project; Financial Accounting; Financial Theory and Corporate Policy; Financial Engineering; Behavioural Economics and Finance; Risk Management; Further Econometrics; Auditing and Assurance; Taxation

Getting ready for work

You'll be well prepared for work, especially if you undertake a work placement. In addition, final-year students take part in our employability event Emerge, a careers and skills day to practise those all-important problem solving and 'soft' skills.

Our graduates are employed in many fields, with roles at NatWest (Financing Futures), PricewaterhouseCoopers and KPMG, the Treasury and Bank of England. Within industry, graduates are working at businesses like BP, Xerox and Marks and Spencer.



UCAS codes

Finance and Accounting BSc (Hons)

NN34 3 years full-time

NN3K 4 years full-time placement

Apply at www.ucas.com

Entry criteria

BBB (A-level), DDD (BTEC), 30 points (IB)

For detailed subject and grade requirements, visit our website.



Economics and Mathematics with an Integrated Foundation Year

This course provides an introduction to a variety of exciting disciplines in economics. Our carefully designed curriculum is particularly suitable for those who want to change direction, perhaps not having taken A-levels in mathematics or economics, and for mature applicants returning to study. You will quickly find that willingness to learn and determination is more important than prior knowledge.

The foundation year will help you clarify where your interests lie. When you successfully pass this, you can progress to Level 1 of one of these degree courses:

- ▶ Economics BSc (Hons)
- ▶ Economics and Accounting BSc (Hons)
- ▶ Economics and Business Finance BSc (Hons)
- ▶ Economics and Management BSc (Hons)
- ▶ Finance and Accounting BSc (Hons)

The foundation year is hosted by the Department of Mathematics to reflect the essential role of mathematics in your subsequent studies. The course is excellent preparation for the mathematics and study skills needed to progress on to one of our five BSc degrees in Economics and Finance.

The foundation year is an integral part of the BSc degree programme and you can apply for funding from the Student Loans Company for the length of the course – four years, or five if you opt for a placement year.



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UCAS codes

Economics and Mathematics with Integrated Foundation Year

L102 4 years full-time

L103 5 years full-time with placement

Apply at www.ucas.com

Entry criteria

CDD (A-level), DMM (BTEC), 25 points (IB)

For detailed subject and grade requirements, visit our website.

“A highlight of my time at Brunel was my industrial placement. I was a junior investment analyst for an asset management company where I worked directly under the director/founder.”

Punit Narotomo, Economics BSc, Alumni



What you'll learn (typical modules)

Level 0

Modules: Economics; Algebra; Statistics; Calculus; Discrete and Decisions Mathematics; Study Skills

Getting ready for work

Our Professional Development Centre offers a number of services to help you develop your employability, including one-to-one careers planning, a Jobs Shop, careers library, annual careers fairs and regular talks.

BRUNEL STORIES

Brunel entrepreneurs aim for sweet success

Brunel alumna Courtney Wood made it to the final of hit BBC One show *The Apprentice* in 2016 and has since proven his skills as a successful entrepreneur with his novelty gift business, bubblegumstuff.com. Courtney attributes his success to the skills he learned whilst studying his degree, particularly his networking skills.

Since finishing his degree, Courtney has visited the University a number of times, mentoring and supporting current students.

International Business graduate Sajan Shah also fought off thousands of applicants to secure a place on the show the following year. Determined to impress Lord Sugar, he made it to week seven.

Sajan credits his course at Brunel with preparing him for *The Apprentice*, saying that the work he did for his final project proved particularly useful. “When I actually went to do my business plan to get on *The Apprentice*, I had a good idea of how to structure it and what information I needed. Because I’d done all that at university, it was quite easy to put all that in one plan.”

Alongside leading an HR department, Sajan has set up and run a number of companies since graduating. He’s now partnered with the charity Young Enterprise, who he will work with to try to find the UK’s new business star.





Education

Brunel University London's Department of Education is rated as one of the best in the UK and 1st in London for education (Complete University Guide 2018).

We offer an innovative programme from which graduating students go on to secure employment in a range of exciting and rewarding education-related careers. These include: teaching; counselling; educational psychology; social work; educational administration; local education authority support; professional development and management training. Many of our undergraduate students also progress on to postgraduate studies in the field of education.

► Education BA (Hons)

Why study Education at Brunel?

Our BA Education programme will equip you with the knowledge, skills, experiences and graduate attributes to support the education of children and young people in a variety of different educational settings. The programme is informed by a commitment to social justice and inclusion and you will gain a deep understanding of the role of education in a diverse society in the UK and internationally.

You'll have the opportunity to balance theory with professional practice by completing three placements during your time with us - one in each academic year. Our diverse network of schools and other education-related organisations will provide you with a highly-valued, situated learning experience in vibrant multicultural schools and other educational settings.

You will learn in various educational contexts which allow us to relate our programme to your individual career aspirations - whether they lie in teaching, youth work or any other role in education. We also offer a range of inspiring and thought provoking co-curricular activities and trips to further enhance your studies. We are also currently developing our links in order to offer international work-based learning in education.

www.brunel.ac.uk/education

“We are very proud of the progress and attainment of our education students, who demonstrate during their studies the highest academic and professional standards. Our wonderful community of current and alumni students go on to make a real difference to the educational experiences and life chances of the children and young people they work with. That is a the greatest testimony to our provision here in the Department of Education at Brunel.”

Dr Cathy Gower, Head of the Department of Education



Education at Brunel is ranked 1st in London. (Complete University Guide 2018)

Education BA (Hons)

This course supports you in developing an in-depth, applied knowledge and understanding of schooling and of the wider world of education. It focuses on the following core strands: foundations of education; education and society; education and work; and education and research. Our staff use their extensive, specialist expertise as active researchers in the field to directly inform their teaching on this programme. They have a passion for teaching and this is reflected in the excellent feedback we receive from our BA Education students about the quality of provision. Staff ensure that the experiences you gain in various educational settings support you in effectively connecting theory with practice.

What you'll learn (typical modules)

Level 1

Modules: Understanding Concepts in Education; Issues and Perspectives in Education; Human Development; Education and Society; Study Skills and Methods of Enquiry; Educational Work Placements 1

Level 2

Modules: The Social Study of Childhood; Research Methods; Educational Practices; Educational Spaces; Education in Literature and the Media; Educational Work Placements 2

Level 3

Modules: Growing Up in Twenty-First Century Britain; Educational Work Placements 3; Education in Formal and Informal Contexts; Research Project - Dissertation

Getting ready for work

To support the placement learning experiences in each year of the BA Education programme, we utilise a well-established network of schools and other educational settings across west and central London as well as the surrounding boroughs and home counties. This means you will build on the work you undertake in the University through high quality placement experiences. These include recent opportunities offered in the floating classroom of Groundworks; young offenders institutions; Pupil Referral Units (PRUs) special schools and a variety of different types of school.

On graduation, some BA Education students progress into the wide variety of routes into teaching where they gain Qualified Teacher Status (QTS). This includes successful applications for our own Ofsted 'Outstanding' Postgraduate Certificate in Primary Education (PGCE) teacher education programme. Many other graduates go on to work in educational fields such as: counselling; educational psychology; social work; and educational administration and management. Some students choose to continue to study, often with us, as a full- or part-time student on our MA in Education.



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ABROAD

UCAS codes

Education BA (Hons)

X300 3 years full-time

X300 6 years part-time

Apply at www.ucas.com

Entry criteria

CCC (A-level), DDD (BTEC), 27 points (IB)

For detailed subject and grade requirements, visit our website.

“The course features a huge range of topics and there's a good mixture of practical work and academic studying.”

Jessica Stokes, Education BA, graduated 2016





English

Storytelling is a fundamental human activity. Every day, we exchange jokes and stories. The important events in our lives need to be told and retold many times over. We tell and read stories for pleasure and information. We also read to gain a better understanding of ourselves and the world around us.

If you're ready to explore more widely, think more deeply and consider how you, as a reader, are placed in relation to a text - and how that affects your interpretation - you've come to the right place. A Brunel English degree will foster your imagination, independence of thought and critical analysis - transferable personal skills that employers value in graduates.

► English BA (Hons)

You can also select one of our joint honours degrees:

- **English with Creative Writing BA (Hons)**
- **Film and Television Studies and English BA (Hons)** see page 78
- **Theatre and English BA (Hons)** see page 119

Why study English at Brunel?

Right from the start you'll be introduced to critical perspectives, approaches and contexts which will give you the tools to interrogate your reading. Ours is a 21st century teaching philosophy both in terms of innovative use of technology to enhance learning and in analysing the impact technology is having on knowledge, culture and literature.

You will be taught by highly qualified staff who are actively engaged in research, scholarship or professional practice. You'll have the chance to hear from professional authors, and we also run the Writers Series, which brings leading authors to our campus.

www.brunel.ac.uk/english

“ Studying literature opens us up to new ways of thinking about the world. I'm proud of the diverse texts and concepts explored on our programme and the way our students are empowered to examine the past, reflect on the present, and imagine the future. ”

Claire Lynch, Lecturer, English



English at Brunel is ranked 8th in the UK.
(Guardian University Guide 2018)

English BA (Hons)

Ours is an exciting, dynamic, wide-ranging course with plenty of flexibility for you to follow your own individual tastes and literary passions.

While we include modules from the Renaissance to the present day, our English BA is much more than a chronological or historical study of English Literature. You'll also develop analytical, time-management, personal and collaborative communication skills.

The programme is directed towards the world at large with personal development and employability at its heart across all three years. In addition, it concerns itself with the relation of literature to real world problems, both contemporary and historical.

What you'll learn (typical modules)

Level 1

Modules: Modern Literature; Text, Contexts, Intertexts; Early Modern Literature; Portfolio Critical Reading; World Literature, World Literacies

Level 2

Modules: Postcolonial Writing; Modernism; Romanticism and Revolution; Genre Fiction; 19th Century Novel; Shakespeare: Text and Performance; Contemporary British Fiction; The Women's Movement: 20th Century and Contemporary Writing

Level 3

Modules: Project; Victorian Literature and Culture; Post-War and Late Twentieth-Century Literature (1945-2001); Modern and Contemporary Lesbian Literature; Writing Ireland; Creative Industries; Violence; The Muslim World in Early Modern English Literature; Chaucer to Shakespeare; Reading for Writers / Writing for Readers

English with Creative Writing BA (Hons)

Brunel offers one of the most highly regarded Creative Writing programmes in the UK. Many staff members are active as novelists, writers for performance, or as cultural critics.

You can combine your literary studies with creative writing and you will deepen your skills with a sound grounding in the fundamental techniques of fiction, poetry and writing for theatre. You'll also appreciate what it takes to make it as a writer in the real world and make a living in a creative economy.

What you'll learn (typical modules)

Level 1

Modules: Introduction to Writing Fiction; Introduction to Writing Drama; Introduction to Writing Poetry; World Literature, World Literacies



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UCAS codes

English BA (Hons)

Q300 3 years full-time

Q301 4 years full-time with placement

English with Creative Writing BA (Hons)

Q3W8 3 years full-time

QW81 4 years full-time with placement

Apply at www.ucas.com

Entry criteria

BBB (A-level), DDD (BTEC), 30 points (IB)

For detailed subject and grade requirements, visit our website.

Level 2

Modules: 19th Century Novel; Shakespeare: Text and Performance; The Women's Movement: 20th Century and Contemporary Writing; Postcolonial Writing; Modernism; Romanticism and Revolution; Genre Fiction; Contemporary British Fiction; Writing Journalism; Writing the Short Story; Screenwriting; Writing Contemporary Poetry; Horror, Sci-Fi and Fantasy; Writing the Self

Level 3

Modules: Project; Psychogeography; Writing Modern Fiction; Writing Comedy; Writing Modern Drama; Performance Poetry; Creative Writing and the Creative Industries

Getting ready for work

English at Brunel is geared towards employability and the world beyond academia. All students can opt to take a four-year placement course, which includes a year-long placement in an industry of your choice. If this is not quite what you are looking for you can instead take one of the third year employability modules that we offer to all English students. In addition, each year every student is required to participate in personal development and employability events tailored especially for English students. The study discipline, research skills and ability to shape large amounts of information into engaging arguments make our English graduates very attractive to future employers. Many Brunel graduates go into teaching or media-related jobs like publishing, marketing and journalism. Others go into the business world as account executives, campaign organisers and consultants.

BRUNEL STORIES

Graduate's career takes thrilling turn

Just two years after writer Tara Lyons took her first stab at crime fiction, the Brunel alumna has won a publishing deal with Bloodhound Books, attracted rave reviews, and is now set to release her fourth novel.

In 2016 the English graduate (2008), penned her debut solo novel – *In the Shadows* – together with *The Caller* and *Web of Deceit*, written in partnership with New York Times bestselling author M.A. Comley.

Tara said she instantly loved Brunel. "I studied English because I loved reading. At only 18, it's sometimes hard to know what you want to do for the rest of your life, so I decided to continue studying a subject I knew I'd enjoy for three years. I didn't appreciate how much that degree would open my eyes. My reading options were endless and the support was phenomenal."

With the help of her tutor, Tara secured a work placement on a retail company's in-house magazine. She went on to work for the publication for eight years after graduation as a writer then editor, before turning to creative writing.

In the Shadows was well received by readers and critics, with dozens of Amazon reviewers awarding the book five stars, describing it as 'a fantastic debut' and 'one hell of a read'.



Image courtesy of Toby Keane



Film Studies

Have you ever wondered how the films, sitcoms and documentaries we love make it to our screens? Do you have a passion for film – whether it is the concepts behind them or the technical skills used to create them? If so, Film Studies at Brunel could be right for you.

Study with us and you'll develop in-depth cultural knowledge and transferable skills in critical analysis, communication and creativity. You'll be introduced to mainstream and alternative practices and have the opportunity to work in our first-class facilities that will allow you to bring your ideas and inspiration to the screen.

► **Film and Television Studies BA (Hons)**

► **Film Production BA (Hons)**

We also offer two joint honours degrees:

► **Film and Television Studies and English BA (Hons)**

► **Film Production and Theatre BA (Hons)**

Why study Film Studies at Brunel?

The content of our innovative courses reflect the wide-ranging interests of our department staff. Their work includes an enormous range of recent and contemporary productions for big screen and small, and covers mainstream and alternative practices.

Our courses are focused on a dynamic mixture of theory and practical work. You'll learn key approaches and techniques in film in a nurturing environment alongside developing your skills in a practice-driven manner, which often reflects industry, in our world class editing suites.

We also encourage our students to put their work into practice. We have fantastic industry links and guest speakers and you'll be eligible to enter our annual Brunel University Film Festival (BUFF) with categories including Best Fiction, Best Non-Fiction and Best Overall Film.

www.brunel.ac.uk/film-studies

“We have great enthusiasm for the subjects we teach, which are usually closely related to our own research interests. Our programme is geared towards making links with industry practices and future employability. We offer an exciting, innovative and very contemporary approach to studying film.”

Leon Hunt, Senior Lecturer in Film and Television



**Film and TV Studies at Brunel is ranked Top 5 in London.
(Guardian League Table 2018)**

Film and Television Studies BA (Hons)

For your practical modules you'll have access to state-of-the-art equipment, including HD digital cameras. You'll learn to edit on Avid and Final Cut Pro in our first-class edit suites, with plenty of technical support on hand.

In Level 3, you'll benefit from a period of work experience in the areas that interest you most. As we're so close to central London, you can take advantage of screenings at the British Film Institute, the Institute of Contemporary Arts and other cinemas across the capital.

What you'll learn (*typical modules*)

Level 1

Modules: Storytelling; Technology and Industry; Representation and Identity; Creative Project Development

Level 2

Modules: World Cinemas; Introduction to World Cinemas; Television: Texts and Contexts; Understanding the Film and Television Industries; Short Fiction; Screenwriting; Film and TV Genres

Level 3

Modules: Written Dissertation OR Video Essay; Quality TV: International Perspectives; Gender and Sexuality; Horror; Independent and Art Cinema; Changing Audiences; Racism, Identity & Difference; Digital Cultures; Image and Violence; Digital Media Project

Film and Television Studies and English BA (Hons)

Adding English as a joint honour will foster your imagination, independence of thought and critical analysis - transferable personal skills that employers value in graduates.

Film and Television students at Brunel are encouraged to be hands-on. After the first year up to 40 per cent of your module choices can be practical so you are able to take the theory you have learned and apply it to your own work.

In Year 3 your placement will give you vital direct experience of working in the areas that interest you most.

What you'll learn (*typical modules*)

Level 1

Modules: Storytelling; Representation and Identity; World Literature, World Literacies



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UCAS codes

Film and Television Studies BA (Hons)

W260 3 years full-time
W260 6 years part-time
W261 4 years full-time with placement

Film and Television Studies and English BA (Hons)

W630 3 years full-time
W630 6 years part-time
W63P 4 years full-time with placement

Apply at www.ucas.com

Entry criteria

BBC (A-level), DDD (BTEC), 29 points (IB)

For detailed subject and grade requirements, visit our website.

Level 2

Modules: Film and TV Genres; Screenwriting; 19th Century Novel; Shakespeare: Text and Performance; The Women's Movement: 20th Century and Contemporary Writing; Postcolonial Writing; Modernism; Romanticism and Revolution; Genre Fiction; Contemporary British Fiction; TV Texts and Contexts; Short Fictions; Introduction to World Cinemas; Understanding the Film and TV Industries

Level 3

Modules: English Project OR Written Dissertation OR Special Project in Film and Television; Post-War and Late Twentieth-Century Literature (1945-2001); Modern and Contemporary Lesbian Literature; Writing Ireland; Creative Industries; Violence; The Muslim World in Early Modern English Literature; Chaucer to Shakespeare; Reading for Writers / Writing for Readers

Getting ready for work

During your work experience you'll gain training and skills in your area of interest and get insight into the working practices of film and media organisations. You'll develop the problem-solving and management skills required to get the job done. You'll be able to draw on our network of contacts to arrange your work placement.

We can also support you in approaching a business of your choice. Our graduates have secured jobs with companies including BBC, ITV, Granada and Ridley Scott Associates as casting agents, researchers, production assistants and film officers.

Film Production BA (Hons)

This course aims to develop the technical skills associated with professional film production, offering students real filmmaking opportunities. With a strong emphasis on the theoretical and cultural importance of films, you'll develop your knowledge of films and filmmaking in a wider context in society. A large part of the programme will be practice-driven, working alongside our expert film and technical staff in our world class editing suites.

What you'll learn (*typical modules*)

Level 1

Modules: Storytelling; Technology and Industry; Representation and Identity; Creative Project Development

Level 2

Modules: Advanced Filmmaking; Understanding the Film and TV Industry; Television: Texts/Contexts; Film/TV Genres; Screenwriting; World Cinemas

Level 3

Modules: Dissertation Film: Image and Violence OR Digital Media Project; Work Experience; Gender and Sexuality; Horror; Independent and Art Cinema

Film Production and Theatre BA (Hons)

Adding Theatre is a smart way to study and specialise in a wide variety of skills-based strands ranging from Acting, Digital Performance, Directing, and Playwriting. You will learn in a creative and nurturing environment, and be taught by leading academics who are experts in their field. Alongside learning and developing the key skills and approaches of contemporary film production, you'll improve the practical and interpersonal skills you'll need to become successful in applying your knowledge within the creative industries.

What you'll learn (*typical modules*)

Level 1

Modules: Storytelling; Ensemble Production; Perspectives; Creative Project Development; Directing 1; Playwriting 1; Physical Theatre 1; Acting: Essential Skills; Applied Drama Practice; Digital Performance; Musical Theatre

Level 2

Modules: Perspectives; Short Fictions; Working in the Film/TV Industry; Writing 2; Directing 2; Playwriting 2; Physical Theatre 2; Acting: Beyond Naturalism; Applied Drama Project; Digital Performance; Musical Theatre; Performance as Research; Television: Texts/Contexts; Film and TV Genres; Screenwriting



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UCAS codes

Film Production BA (Hons)

W200 3 years full-time
W200 6 years part-time
W201 4 years full-time with placement

Film Production and Theatre BA (Hons)

W244 3 years full-time
W244 6 years part-time
W24P 4 years full-time with placement

Apply at www.ucas.com

Entry criteria

BBC (A-level), DDD (BTEC), 29 points (IB)

For detailed subject and grade requirements, visit our website.

Level 3

Modules: Final Production OR Written Dissertation OR Special Project in Film and Television; Image and Violence; DIY Filmmaking and Digital Cultures; Gender and Sexuality; Horror; Independent and Art Cinema; Psychogeography; The Canon Re-loaded; Advanced Physical Theatre 3; Perspectives 3; Advanced Musical Theatre; New Writing: Page to Stage; Professional Experience and Development.

Getting ready for work

Combining the production and theory of visual digital media, the Film Production courses are the perfect starting point for those pursuing a career in film, TV, communications or the media. As a department we understand learning extends beyond the lecture hall - we'll work closely with our network of established employers in the film sector to provide you with workshops, networking opportunities with industry professionals and strong placement links. Choosing the professional practice option will help you stand out to employers once you graduate as you would have built up strong transferable employment skills during your work placement.



Games Design

The games design industry is booming and offers an excellent career path with plenty of opportunities for development and innovation.

Our Games Design courses are for those who are passionate about video and computer games and are devoted to their analysis and design. They are about much more than creating graphics or programming. The courses focus on the creative and practical skills needed to create an entertaining and engaging experience for gamers around the world. For us, Games Design is a multi-disciplinary skill that covers the creation of rules, art, software use, communication, writing and much more.

- ▶ Games Design BA (Hons)
 - ▶ Games Design (Art) BA (Hons)
 - ▶ Games Design (Games Studies) BA (Hons)
 - ▶ Games Design (Technology) BA (Hons)
- We also offer a joint honours degree:
- ▶ Games Design and Creative Writing BA (Hons)

Why study Games Design at Brunel?

You'll be taught by specialist researchers in the theoretical analysis of digital games and by professionals experienced in games production. As well as thinking about how the games industry works, you will learn to prototype, write games design documents, pitch games and develop skills in image manipulation, animation and 3D modelling.

We provide plenty of opportunities for designing games, too. Our students take part in the international Global Games Jam that challenges teams to create a game over a weekend. They have also won prizes at the 2016 and 2017 Ukie (UK Interactive Entertainment) Student Game Jam.

Our courses are highly regarded by games studios and many send guest speakers to talk to our students.

www.brunel.ac.uk/games-design

“ We aim to prepare our students for a rapidly changing world by equipping them with a broad range of skills, as well as the in-depth knowledge and understanding that will help them thrive in a competitive job market or an academic career. Our close-knit community of academics, students, and industry professionals also prides itself on its relentless passion for games of all kinds. ”

Andra Ivanescu, Admissions Tutor, Games Design



Our team project with Octopus 8 is just one of the ways we'll help you bring your ideas to life and craft a career.

Games Design BA (Hons)

Our flexible course means you can study what really interests you. In the first year you'll study modules designed to help you decide where your interests lie. In the second year you can choose from one of the following pathways:

- ▶ **Games Design (Art)**
- ▶ **Games Design (Games Studies)**
- ▶ **Games Design (Technology)**

You'll have 24-hour access to the games lab where high-spec PCs are available for work and to play games. You'll also have access to our Design Studio, where there is an impressive collection of board games.

Games Design and Creative Writing BA (Hons)

This joint honours programme replaces some of the art or programming modules of the single honours course and instead teaches creative writing skills with an extra focus on creativity and narrative. Adding the study and creation of literary texts to your design and analysis of digital games will give you a rich understanding of how storylines are created and played out across contemporary media.

What you'll learn (typical modules)

Level 1

Modules: Games Design 1: Introduction to Game Design; Games Studies 1: Introduction to Games Studies; Digital Prototyping 1: Wire-framing; Business Contexts; Introduction to Writing Fiction; Introduction to Writing Drama; Introduction to Writing Poetry

Level 2

Modules: Games Design 2: Mechanics & Economics; GamesStudies 2: Concepts & Analysis; Games Development; Games User Research & Experience; Games Genres; Setting & World Design; Writing Contemporary Poetry; Writing Journalism; Writing the Short Story; Screenwriting; Horror, Sci-Fi and Fantasy; Writing the Self

Level 3

Modules: Games Studies 3: Socio-Cultural Contexts; Major/Theory Project OR Creative Writing Special Project; Psychogeography; The Creative Industries; Writing Modern Drama; Writing Modern Fiction; Writing Comedy; Writing Poetry for Performance



UCAS codes

Games Design BA (Hons)
Games Design (Art) BA (Hons)
Games Design (Games Studies) BA (Hons)
Games Design (Technology) BA (Hons)

I620 3 years full-time

Games Design and Creative Writing BA (Hons)

WW28 3 years full-time

Apply at www.ucas.com

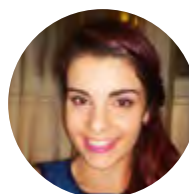
Entry criteria

BBB (A-level), DDD (BTEC), 30 points (IB)

For detailed subject and grade requirements, visit our website.

“My course reflects the industry we want to go into – a friendly and relaxed community brought together by our passion for games but also where work gets taken very seriously.”

Ioana Cazacu, Games Design BA



Getting ready for work

By the end of the course, and depending on the pathway you choose, you'll have a range of skills sought after by the games industry for roles including game design, game production, game art, game development, game analysis and game research. During the summer break, you can work on team projects for Octopus 8, a games studio run by industry veterans to highlight new talent. The finished games are then published on steam. By the end of the course you'll have mastered skills sought by the industry in game design, production and analysis. Our graduates work at Hasbro, Rovio, Creative Assembly, Supermassive Games and other prestigious organisations.





Global Challenges

Global Challenges explores the questions associated with how the citizens of tomorrow face, analyse and manage the inevitable challenges related to 'wicked problems' of our time.

As one of the few courses of its kind in the UK, you will take an in-depth look at issues such as climate change, migration, terrorism, ageing populations, food and water scarcity, and poverty amongst others. You will learn across the boundaries of the humanities, natural and social sciences, as Global Challenges has been specifically designed to address the growing need for graduates that have a broad understanding of the multiple scientific, social, political and economic factors that impact on decision making, communication and design in the contemporary world.

- ▶ **Global Challenges (Global Innovation) BSc (Hons)**
- ▶ **Global Challenges (Planetary Health) BSc (Hons)**
- ▶ **Global Challenges (Security) BSc (Hons)**
- ▶ **Global Challenges (Social Cohesion) BSc (Hons)**

Why study Global Challenges at Brunel?

Brunel is known for its research and for embedding 'real life' experience in its degree programmes through its extensive placement opportunities. The new BSc programme wants to take this a step further and embed this approach into the teaching and learning fabric of the degree. The combination of a core spine alongside a student-chosen strand will be brought together in an innovative and dynamic manner - allowing you to work in teams to build your discipline specific knowledge, as well as specialise in an area that really suits you.

Students will not just be limited to studying one disciplinary area; you will explore a range of issues and topics from a variety of perspectives and stakeholder viewpoints. In addition to what you learn in the classroom, you'll work practically in areas such as video/audio production, editing, presentation and in the use and management of social media - all of which help to develop key skills in effective communication, strategic thinking, teamwork and planning and promotion of an idea.

www.brunel.ac.uk/global-challenges

“ We'll work with industry, the community, national and international stakeholders and partners to ensure that our graduates have the edge and confidence they need to make a difference whatever their background. ”

Mary Richards, Global Challenges Programme Director



Graduates develop a broad knowledge and skill set in both science and non-science disciplinary areas.

As well as undertaking the core spine of the degree, you will have the choice to follow one of four pathways that specialise in an area of Global Challenges. These complementary strands have been chosen not only because they all represent pressing issues faced by the international community, but also because of Brunel's existing and emerging expertise in these areas.

Global Challenges (Global Innovation) BAsC (Hons)

This strand will provide students with compound skills and knowledge to successfully develop innovative and sustainable products within the global economy. Innovation needs to be achieved through the interaction of science, technology and art to solve real world problems as they develop within different social and environmental contexts. The study is forward-looking, empowering you with the skills and experience you'll need in an increasing globalised and automated world.

What you'll learn (typical modules)

Level 1

Modules: Addressing Global Challenges; Introduction to Global Challenges; Introduction to Global Innovation; Fundamental Scientific and Engineering Principles and Methodology; Global Innovation Investigation

Level 2

Modules: Addressing Contemporary Global Challenges; Transdisciplinary Knowledge Integration and Negotiation; Transdisciplinary Science and Engineering; Global Innovation Integration

Level 3

Modules: Arts and Sciences Dissertation in Global Challenges; Global Challenges in Practice; Transdisciplinary Global Innovation in Multiple Representations; Global Innovation Management; Global Innovation Practice



WORK PLACEMENTS



STUDY ABROAD

UCAS codes

Global Challenges (Global Innovation) BAsC (Hons)

GLO1 3 years full-time
GLP1 4 years full-time with placement

Global Challenges (Planetary Health) BAsC (Hons)

GLO2 3 years full-time
GLP2 4 years full-time with placement

Apply at www.ucas.com

Entry criteria

BBC (A-level), DDD (BTEC), 29 points (IB)
For detailed subject and grade requirements, visit our website.

Global Challenges (Planetary Health) BAsC (Hons)

This strand addresses the connectedness between environmental change and human health outcomes. The scope of the strand includes environmental, health and social sciences. You'll develop the ability to examine ecological factors of human health and to predict the likely health consequences of certain types of environmental change at both geographical and temporal scales, and within different socio-cultural and economic contexts. On completion, students will have a deep understanding of links between humanity management of Earth's natural systems and the future of global health.

What you'll learn (typical modules)

Level 1

Modules: Addressing Global Challenges; Introduction to Global Challenges; Foundations of Planetary Health in Practice: Introduction to Planetary Health; Natural Systems and Processes; Global Public Health and Social Justice

Level 2

Modules: Addressing Contemporary Global Challenges; Environmental Change; Ecosystem Transformations and Health Impacts

Level 3

Modules: Arts and Sciences Dissertation in Global Challenges; Global Challenges in Practice; Intervention Proposal; Evidence Based Policy Document: Healing the Planet in Practice

Global Challenges (Security) BAsC (Hons)

This pathway seeks to address a wide range of security challenges. Whether it is the security of our borders, our food and water, our data or our homes, securing the safety of our resources and ourselves has never posed as big a challenge as it does today.

What you'll learn (typical modules)

Level 1

Modules: Addressing Global Challenges; Introduction to Global Challenges; Integrated Security Concepts; Integrated Security: Security, Intelligence, Reasoning, and Influence

Level 2

Modules: Addressing Contemporary Global Challenges; Applied Security Applications; Applied Security: War, Crime, Space, Risk, and Society

Level 3

Modules: Arts and Sciences Dissertation in Global Challenges; Global Challenges in Practice; Advanced Security Analysis; Advanced Security Communication; Advanced Security: Threats, Simulation, and Government

Global Challenges (Social Cohesion) BAsC (Hons)

This strand addresses the causes and consequences of social inequalities and the ways in which they can be tackled. The versatile nature of the degree is uniquely placed to allow students to consider today's most pressing issues including migration, social inclusion, and freedom of expression.

What you'll learn (typical modules)

Level 1

Modules: Addressing Global Challenges; Introduction to Global Challenges; Understanding Social Cohesion Concepts & Structures; Systems of Society: Analysis and Exploration; Approaches to Media

Level 2

Modules: Addressing Contemporary Global Challenges; Analysing Movements and Technologies: Migration Portfolio; Dialogue and Dissent

Level 3

Modules: Arts and Sciences Dissertation in Global Challenges; Global Challenges in Practice; Investigating Challenges and Communities; Evidence Based Policy Document



WORK PLACEMENTS



STUDY ABROAD

UCAS codes

Global Challenges (Security) BAsC (Hons)

GLO3 3 years full-time
GLP3 4 years full-time with placement

Global Challenges (Social Cohesion) BAsC (Hons)

GLO4 3 years full-time
GLP4 4 years full-time with placement

Apply at www.ucas.com

Entry criteria

BBC (A-level), DDD (BTEC), 29 points (IB)
For detailed subject and grade requirements, visit our website.

Getting ready for work

Placements are available and a key part of the course, allowing you to practically apply what is taught, throughout a number of different industries.

Having developed skills in scientific and non-scientific fields, Global Challenges graduates will be able to confidently engage with a range of perspective, viewpoints and stakeholders. Graduates from this programme will be equipped for roles in a number of fields including, but certainly not limited to, business and consulting, healthcare and government and diplomatic services. Ultimately, you will be able to actively contribute to, and lead, the necessary change needed to respond to emerging issues. You'll be able to innovate and improve processes in a dynamic manner and actively contribute to improving outcomes of employers, or as an employer yourself.



History

Studying the societies and events of the past will allow you to look at the modern world from a new perspective. You'll compare and contrast the past and the present and understand their connection better.

Our History courses focus on Britain, Europe and the wider world in the modern period. You'll look closely at life as it was lived in the past, observing differences, similarities and connections with the present day. History is about building your understanding of what it means to be human.

- ▶ **History BA (Hons)**
 - ▶ **Military and International History BA (Hons)**
- We also offer a joint honours degree:
- ▶ **Politics and History BSc (Hons) see page 109**

Why study History at Brunel?

On our courses you'll be taught by established academic specialists who draw on their own world-class research and publications to deliver cutting-edge teaching. Small group seminars and personal tutorials allow you to learn in smaller groups and in one-to-one discussion.

As you study, you'll develop your skills in recovering and interpreting historical evidence, formulating arguments and developing your own historical perspectives. We're proud of the excellent pastoral care and support that we offer students.

www.brunel.ac.uk/history

“We are proud to say that our students are at the heart of our teaching. We have a long-standing reputation for excellent teaching, built upon the enthusiasm, support and dedication of colleagues in our department and reflected in consistently high scores in the National Student Survey.”

Dr Inge Dornan, Lecturer in History



History at Brunel is ranked 1st in London for overall satisfaction. (National Student Survey 2017)

History BA (Hons)

The History BA at Brunel looks at the history of Britain, Europe and the wider world in the modern period. You'll explore this from a range of historical perspectives, including economic, social, political, intellectual and cultural.

You'll have the opportunity to study abroad at one of several universities, including SUNY Brockport; University of California; Universidad Autonoma Barcelona; Universidade NOVA Lisbon; University of Nottingham Ningbo, China and National University of Public Service, Budapest.

What you'll learn (typical modules)

Level 1

Modules: Revolution, Liberty and the Origins of American Democracy; What is History?; Capital, Labour and Power: Britain 1707-1939; History, Memory and Culture in Europe since 1789; The Making of the Modern World; Migration and the Settler World 1600-1914

Level 2

Modules: Historians and their Craft

Optional modules: US Foreign Policy from World War 2 to the end of the Cold War; Issues in American Politics; Slavery and Abolition in the Atlantic World; Australia and The Modern World; Themes in the History of Modern Africa; The State and Revolution; The History of Political Cinema; History of the Women's Movement in the West c. 1790-1930; National Security Intelligence; The Holocaust

Level 3

Modules: Dissertation

Optional modules: Psychogeography; History of Political Philosophy; Media, Politics and Power in America; Marx and Marxism; Fascism; The Second World War; The British Maritime World 1660-1815; Rethinking Modern Europe: Borders, Nations and Identities since 1850; Violence and Conflict in Eastern Africa; Parliamentary Studies

Getting ready for work

Our students take up industrial placements in settings such as the Environmental Audit Committee, House of Commons, Access Sport, Directorate of Gender Affairs, HM Treasury and the Competition Commission.

You'll gain transferable employment skills on the course, including in communication, report writing and presenting. Our graduates enter diverse careers in politics, the civil service, GCHQ and military intelligence. Some work in the public and private sectors, the NHS, banks, business, consultancy, law, NGOs and the media. Others are researchers, teachers and librarians.



WORK
PLACEMENTS



STUDY
ABROAD

UCAS codes

History BA (Hons)

V100 3 years full-time

V101 4 years full-time with placement

Apply at www.ucas.com

Entry criteria

BBB (A-level), DDD (BTEC), 30 points (IB)

For detailed subject and grade requirements, visit our website.

“ Brunel was my top university choice because it has such a homely feel, and a great community spirit on campus. This meant that living at home has not affected the uni lifestyle for me, and for that, I love Brunel. Studying History at Brunel has therefore been enjoyable, not only because of the student community, but also because of the superb teaching from the academics, as well as due to the course content itself, which is fascinating as it is so wide-ranging. ”

Roseanna Kennedy, Level 3 History student



Military and International History BA (Hons)

This course examines war within the context of wider international history to give you specialist knowledge of war in history while educating you to be a historian. You'll analyse warfare inside and outside Europe (including the Middle East), covering the period from the Renaissance to the present but focusing on the modern era. The course also draws on our specialism in intelligence studies to examine the role that intelligence has played in warfare.

What you'll learn (typical modules)

Level 1

Modules: Makers of Modern Strategy; What is History?; Total War in the Modern Era; Europe at War, 1914-1945; The Making of the Modern World; Introduction to World Politics

Level 2

Modules: Historians and their Craft; The First World War - Causes, Course, Consequences; War and Geography; The Holocaust; US Foreign Policy from WW2 to the End of the Cold War; State and Revolution; Political Geography; Themes in African History; National Security Intelligence; Pre-Placement Study module (Placement students only)

Level 3

Modules: Military and International History Dissertation; Arab-Israeli Conflict; Fascism; Second World War; The British Maritime World, 1660-1815; Violence and Conflict in Eastern Africa.



WORK
PLACEMENTS



STUDY
ABROAD

UCAS codes

Military and International History BA (Hons)

V102 3 years full-time

V103 4 years full-time with placement

Apply at www.ucas.com

Entry criteria

BBB (A-level), DDD (BTEC), 30 points (IB)

For detailed subject and grade requirements, visit our website.

Getting ready for work

As a military historian you'll be prepared for careers in government, the armed forces, teaching, business, think tanks and NGOs.





Journalism and Culture

Careers in journalism are dynamic, creative and highly competitive. There is an increasing need for well-qualified journalists who are equipped to be effective practitioners within a rapidly changing and converging media environment.

The new Journalism and Culture BA offers an ideal launch-pad for anyone hoping to embark on a career in journalism in the digital age. We offer a dynamic but balanced mixture of theory and practice across multi-media platforms. Working alongside academics who are experts in their fields and active in industry, you will explore the ways in which journalism, news and the media affect us socially, culturally, politically and historically.

► Journalism and Culture BA (Hons)

Why study Journalism and Culture at Brunel?

You will be taught by world-class academics, many of whom are active professional journalists, and learn in our 24-hour, state of the art, multi-platform digital newsroom and broadcast facilities, using the latest edition industry-standard hardware and software. We will offer you opportunities to work on a range of platforms including audio, video, magazines and new digital ones.

Students will have the option to take the NCTJ (National Council for the Training of Journalists) Diploma in Journalism at no extra cost. This would be incorporated into the standard three-year timetable. The NCTJ Diploma is the number one vocational qualification for the journalism industry and is recognised by media professionals worldwide.

We run a number of extra-curricular activities that help prepare our Journalism students for the world of work. From guest speakers, with a wealth of industry experience to workshops, events and projects you will have the opportunity to gain the skills, experience and exposure needed for an aspiring journalist.

www.brunel.ac.uk/journalism



“We are proud to offer one of the most cutting-edge journalism degrees that equip our graduates with critical powers and highly transferrable skills needed in multimedia working environments in the digital age. We encourage our students to become questioning minds and use new technologies such as Virtual Reality to enhance their career opportunities.”

Christian Stiegler, Senior Lecturer, Journalism and Culture



Our graduates work in prestigious news outlets such as the BBC, The Guardian, Al Jazeera and The Independent.

Journalism and Culture BA (Hons)

This course aims to educate journalists and media professionals of the future who are able to communicate clearly and concisely to a range of targeted audiences. You'll learn journalistic skills such as research, pitching story ideas, interviewing, reporting and writing across multi-media platforms.

You'll learn the theory and research skills that enable you to think critically about journalism, to analyse it and research it. You'll also develop critical understanding of the media industry that will help you succeed in the fast-changing digital world.

You'll learn in our 24-hour multiplatform, digital newsroom and radio suite. We'll equip you with cameras to record or photograph your stories and you'll use industry standard hardware and software. You'll have plenty of technical support in learning how to use these tools.

We have excellent links with broadcasting, publishing and online industries. Our graduates work in local and national newspapers, magazines and online news as well as in PR, marketing and event management. Several of our students and graduates have won awards for breaking news and video journalism.

What you'll learn (typical modules)

Level 1

Modules: News and Feature Writing; Cross-Platform Journalism; Introduction to Journalism and Media; Digital Media and Society; Foundations of Researching

Level 2

Modules: Journalism, Politics and Power; Journalism Practice; Journalism, Media and Globalisation; Media Law, Ethics and Regulations; Journalism Research Project

Level 3

Modules: Data Journalism; Academic Dissertation; Journalism Practice Project; Journalism; Storytelling and Social Media; Public Relations



WORK
PLACEMENTS



STUDY
ABROAD

UCAS codes

Journalism and Culture BA (Hons)

P502 3 years full-time

Apply at www.ucas.com

Entry criteria

BBC (A-level), DDD (BTEC), 29 points (IB)

For detailed subject and grade requirements, visit our website.

“The modern facilities and the community vibe that I got from the campus made me feel at home instantly. The Journalism lectures are all lovely and are still active in the industry, something which was key for me as well.”

Bradley Hayden, Journalism BA



Getting ready for work

We build your employability into every level of this degree and you'll develop highly transferable skills. In the first year, you'll create your CV and apply for work experience. Many of our students carry out short-term work at local and online newspapers. In the second year, we'll encourage you to apply for internships, particularly on local radio stations, magazines and online sites. Our students have undertaken internships at the BBC, Channel 4 and Al-Jazeera. Some progress to local and regional journalism; print, online or broadcast journalism; or work with magazines and periodicals. Others secure jobs in PR, marketing, event management and TV research and production.



BRUNEL STORIES

Lending a helping hand

Brunel students don't hold back when it comes to giving back to the community. In 2016/2017 an amazing 690 students completed 18,169 volunteering hours, raising funds for charity, supporting fellow students and getting involved in the community.

As a Brunel Volunteer you can take part in a wide range of on-campus and local activities. For example, you might like to get involved in our annual Good Deed Day when students volunteer to perform good deeds in Hillingdon - our local community - to raise funds for the Mayor of Hillingdon's Charitable Trust. Occupational Therapy student Lucy Hawkes (pictured right) and Holly Chung (English with Creative Writing) were among 80 students who joined forces with charities last year to offer everything from free manicures to lunch, pick up litter and pack bags in local supermarkets.

Many students find volunteering an immensely rewarding experience. You'll meet new friends and gain new skills and experiences, all adding to your future employability. Indeed, 87% of employers think volunteering has a positive effect on career progression and builds confidence and character*.

Lucy said: "Brunel Volunteers makes it very easy for you to find a volunteering opportunity. I've had a great time on all of my volunteering experiences at Brunel, meeting other students and helping out in the local community."

www.brunelvolunteers.com

* Source: *Youth Volunteering: Attitudes and Perceptions 2008* by vInspired

Law

Students come to our Brunel Law School with a passion, and they leave with their passion focused into a degree that is recognised and valued around the world.

Law has an impact on every aspect of society. Consumers' rights, international and cyber commerce, taxation, housing, family protection and human rights are all firmly rooted in international and domestic law. The study of law offers exciting specialisations that range from more established subjects such as taxation or human rights to emerging fields like internet commerce.

Brunel Law School is recognised by the Chartered Institute of Arbitrators, the primary professional body within arbitration, as a course provider for our International Arbitration and Commercial Law LLB. This means that when you graduate from the course you'll be eligible to become a member of the institute.

- ▶ **Law LLB (Hons)**
- ▶ **Law with Criminal Justice LLB (Hons)**
- ▶ **Law with International Arbitration and Commercial Law LLB (Hons)**
- ▶ **Graduate Entry LLB**

Why study Law at Brunel?

Brunel Law School is one of only a few law schools to have a full moot court where you can practise your skills for court. It comes complete with judge's bench, seating for counsel and court clerks, a gallery for up to 50 other participants, a deliberation room for judges and full audio-visual facilities.

We have excellent links with criminal law practitioners, experienced solicitors and barristers and you'll benefit from our relationships with dynamic law firms and the Inns of Court.

If you undertake a placement, we can support you in finding the place that is right for you. Brunel pioneered industrial placements for law in the UK and our high-quality placements continue to provide valuable contacts for securing traineeships.

www.brunel.ac.uk/law

“ Brunel's Law programmes combine academic excellence with authentic professional experience. ”

Abimbola Olowofoyeku,
Divisional Lead, Public and Corporate Law



The finals of our annual mooting competition are usually held at the Supreme Court or the House of Lords.

The first three degrees study the same modules in Years 1 and 2, covering the essential legal knowledge. In Year 3 you'll decide how you'd like to specialise. All courses include an independent project in Year 3.

Law LLB (Hons)

This is a qualifying law degree which provides training in the seven foundations of legal knowledge (specified by the Solicitors Regulation Authority and the Bar Standards Board). The degree is one of the requirements needed to practise law.

What you'll learn (typical modules)

Level 1

Modules: Contract Law; The Civil Justice System; Criminal Law; The Criminal Justice System; Public Law in Context; Legal Skills and Methods

Level 2

Modules: Law of the European Union; Land Law; Tort; Trusts

Level 3

Modules: Dissertation

Optional modules: Banking Law; Children and the Law; Company Law; Competition Law; Employment Law; Evidence; Intellectual Property Law; International Human Rights; International Law; International Sales Law and Arbitration (with participation in international moot); Jurisprudence; Sentencing and Penology; Taxation of Income; Family Law; Consumer Law



WORK
PLACEMENTS



STUDY
ABROAD

UCAS codes

Law LLB (Hons)

M103 3 years full-time

M101 4 years full-time with placement

Law with Criminal Justice LLB (Hons)

M1M2 3 years full-time

MCM2 4 years full-time with placement

Entry criteria

ABB (A-level), D*D*D (BTEC), 31 points (IB)

For detailed subject and grade requirements, visit our website.

Law with Criminal Justice LLB (Hons)

On this pathway you'll focus on criminal justice and criminal law in your third year. You'll consider both the written and procedural sides of criminal law and gain an understanding of the cause and effect of crime on society.

What you'll learn (typical modules)

Level 1

Modules: Contract Law; The Civil Justice System; Criminal Law; The Criminal Justice System; Public Law in Context; Legal Skills and Methods

Level 2

Modules: Law of the European Union; Land Law; Tort; Trusts

Level 3

Modules: Dissertation; Evidence; International Human Rights; Sentencing and Penology

Optional modules: Banking Law; Children and the Law; Company Law; Competition Law; Employment Law; Intellectual Property Law; International Law; International Sales Law and Arbitration (with participation in international moot); Jurisprudence; Taxation of Income; Family Law; Consumer Law

Law with International Arbitration and Commercial Law LLB (Hons)

This pathway focuses on the realities of modern commercial law and the importance of understanding its substance. It also examines how best to resolve contemporary business disputes.

What you'll learn (typical modules)

Level 1

Modules: Contract Law; The Civil Justice System; Criminal Law; The Criminal Justice System; Public Law in Context; Legal Skills and Methods

Level 2

Modules: Law of the European Union; Land Law; Tort; Trusts

Level 3

Modules: International Sales Law and Arbitration; Dissertation

Optional modules: Banking Law; Company Law; Competition Law; Intellectual Property; Consumer Law OR Employment Law; plus one module from Law LLB Level 3 list



WORK
PLACEMENTS



STUDY
ABROAD

UCAS codes

Law with International Arbitration and Commercial Law LLB (Hons)

MDM2 3 years full-time

M1MF 4 years full-time with placement

Apply at www.ucas.com

Entry criteria

ABB (A-level), D*D*D (BTEC), 31 points (IB)

For detailed subject and grade requirements, visit our website.

Getting ready for work

If you opt for a placement course you'll spend a year on industrial placement gaining invaluable experience in the working world. Our students have undertaken placements with solicitors' firms, barristers' chambers and local authority offices.

To help you prepare for work, we offer short courses in client interviewing, fraud examination and advocacy. You'll have the chance to carry out pro bono work, developing your skills in legal research and client interaction. You'll also have the opportunity to assist litigants in person at the local family court.

There are opportunities for law graduates in a wide range of industries. You may take advantage of your professional exemptions and train to become a barrister or solicitor. Or there are opportunities in mediation, consultancy, industry, commerce, public administration, social services, management and humanitarian aid.

“Studying Law at Brunel has been a welcoming experience for me. I have gained some amazing opportunities such as becoming a student ambassador, as well as taking part in a paid work placement. I was able to secure a placement as a legal clerk working in the family law department of a Camden Law firm. This was an invaluable and eye opening opportunity and I would advise everyone to do the same.”



Jennifer Adesina, Law LLB, Level 2



Graduate Entry LLB (Hons)

- Course subject to approval

Brunel Law School has introduced the Graduate Entry LLB programme, a fast-track law degree, designed with the aim to support graduates from other disciplines who wish to embark on a career in Law.

As a graduate you will be able to complete the programme in two years, rather than the usual three. As well as studying law content you will have the opportunity to devote time to important issues such as career advice and development and to undertake a law work placement.

The Graduate Entry LLB programme, an honours degree of 240 credits, will enable you to progress directly to the vocational stage of legal education should you wish to qualify as a solicitor or barrister in England and Wales.

The Graduate Entry LLB is aimed at producing confident and talented graduates who are well rounded in their knowledge and skills, and broad minded in their outlook. You will graduate with a strong foundation in the underlying theories and substantive principles of English Law. You will also be able to locate these theories and principles in their wider socio-political, procedural, institutional and cultural contexts, enabling you to be critical thinkers and able scholars.

To consolidate your learning and enhance your critical thinking, research and career skills, you will be offered opportunities to actively participate in professional development short courses, legal skills workshops, research events, legal volunteer work and relevant extra-curricular activities.

UCAS codes

Graduate Entry LLB (Hons)

2 years full-time

3 years full-time with placement

Apply at www.ucas.com

Entry criteria

Degree level 2:2, Honours degree in a subject other than Law

For detailed subject and grade requirements, visit our website.

Getting ready for work

The Graduate Entry LLB with Professional Practice programme offers you the opportunity to enhance your employability by providing you with high quality first-hand experience of the world of legal practice and its relation to academia. You may undertake paralegal work at medium to large scale firms of solicitors, or carry out similar work at "in-house" legal departments of companies, banks, or local authorities. Alternatively, you may take placements as advisers in Citizens' Advice Bureau, or even as research assistants to barristers or Members of Parliament.

What you'll learn (typical modules)

Level 2

You will undergo a two-week induction programme before embarking on the modules in level 2. You will learn: the sources of law; the distinction between public and private law; academic legal writing (including both essays and problem questions),

Modules: Contract Law; Land Law; Criminal Law; Public Law

Level 3

Modules: Tort Law; Law of Trusts; Project; EU Law/ Option 1; Option 2

Optional modules: Jurisprudence; Taxation of Income; Sentencing and Penology; Competition Law; Family Law; Evidence; Children and the Law; Intellectual Property Law; International Human Rights; Banking Law; Company Law; Consumer Law; Employment Law



WORK
PLACEMENTS



STUDY
ABROAD



BRUNEL STORIES

Law students respond to Europe's refugee crisis

Brunel Law students gained first-hand experience of Europe's migrant crisis and international human rights issues when they spent time volunteering at the Eleonas Refugee Centre in Athens.

The centre provides temporary housing for 700 asylum seekers, including very young children. The students helped with the everyday running of the centre, including meal distribution, entertaining the children and clothing distribution. They also raised £3,500 to buy resources for the refugees, including toilet roll and blankets.

The opportunity engaged the students with one of the biggest challenges faced by European society in recent times. Law graduate Jemma Durham (pictured) found the trip life-changing. "It broadened my knowledge of human rights and international law while strengthening my passion," she said. "This trip has inspired my studies and career plans and I am now looking into joining the diplomatic service, where I hope to work on future global issues."



Music

Music at Brunel is informed by the past, grounded in the present and focused on the future. Today's music world offers many paths to explore, many chances to write, perform and work with music. There have never been so many opportunities for musicians with a deep understanding of their art.

With the largest proportion of active music practitioners of any UK university or conservatoire, Brunel is the ideal place to develop your particular interests in contemporary music-making. Our staff include world-class musicians and you'll gain real insight into how to develop your relationship and passion with music from a first love into a career.

This fulfilling Music course combines theory and practical learning. Allowing you to gain or develop your skills in the academic side of reading and writing music, your practical performance and specialised areas such as music technology.

► Music BA (Hons)

Why study Music at Brunel?

Our course reflects the extraordinary dynamic, exciting and all-embracing musical times of today. You'll get a thorough grounding in all the skills you need to explore and succeed in establishing your own unique musical profile and identity. We will work with you to develop your abilities, whether you want to be a performer, composer, music entrepreneur or songwriter.

Our staff are successful composers and performers with teaching strengths in composition (acoustic and studio-based), performance, musicology and socio-critical musicology. You'll work alongside famous contemporary composers John Croft, Jennifer Walshe and Colin Riley; ensemble music innovator and improvisation leader Peter Wiegold; and electronic music and experimentalist Carl Faia.

Our excellent facilities include a computer suite fully equipped for sound design and notation. There are studios for individual work, individual practice rooms, larger spaces for group rehearsals and multiple performance spaces.

www.brunel.ac.uk/music

“One great thing about Brunel is that we foster entrepreneurs in music. They are going to be our music makers of tomorrow in what is a forward-thinking and creative business. This is a wonderful experience for our students.”

Dr Colin Riley, Senior Lecturer in Music



Music at Brunel is ranked 9th in the UK and 4th in London. (The Guardian 2018)

Music BA (Hons)

On this course you'll focus on the academic study of music while remaining free to pursue composition, performance and music technology. You'll develop your knowledge of Western music by studying song, contrapuntal forms, sonata form, the symphony, opera, music-theatre and film music.

This leads to an in-depth study of the music of the 20th and 21st centuries in your third year. It introduces you to important methods of analysis, as well as ideas in aesthetics and the sociology of music. You'll gain skills in writing about music and you can take practical modules in addition to the compulsory musicology strand.

What you'll learn (typical modules)

Level 1

Modules: Ensemble 1: The Art of Performing; Materials of Music 1: Inside the Language; Ways of Hearing 1: Genres Through Time; Composing 1: Capturing Ideas; Studio Production 1: Introduction to the Art of Sound and Technology; Professional Development 1: Building a Collaborative Musical Project from A-Z

Level 2

Modules: Materials of Music 2: Cultural Change and Evolution; Ways of Hearing 2: The Theatre of Technology; Professional Development 2: Communicating and Teaching

Optional modules: Ensemble 2: Leadership, Directing and Improvisation; Composing 2: Craft and Development; Studio Production 2: Advanced Techniques and Designing Your Own Tools; Arranging and Orchestrating: Colouring Techniques for Musicians; Interdisciplinary Project: Learning Collaboration

Level 3

Modules: Professional Independent Project

Optional modules: Ensemble 3: Creating Performance; Materials of Music 3: Advanced Technical Portfolio; Ways of Hearing 3: Cultures and Subcultures; Composing 3: Advanced Portfolio; Studio Production 3: Taking Sonic Art To the Stage



WORK
PLACEMENTS



STUDY
ABROAD

UCAS codes

Music BA (Hons)

W300 3 years full-time

W301 4 years full-time with placement

Apply at www.ucas.com

Entry criteria

BCC (A-level), DDD (BTEC), 28 points (IB)

For detailed subject and grade requirements, visit our website.

“Musically I am involved in a variety of ensembles the Arts Centre provides, such as the Brunel Fusion Orchestra. Thanks to the second-year module Professional Development I acquired work experience in numerous exciting venues, such as The Bedford, Soho Radio and Shoreditch Town Hall.”



Emma Pain, Music BA

Getting ready for work

Each musician is unique and the presentation and technology skills you develop at Brunel attract employers across the board. We place you at the centre of your own learning, mentoring and supporting your ambition whether that's setting up a music production company or a recording studio, or developing a career as a performer, composer, teacher or music therapist.

Our students have performed at prestigious venues and festivals in the UK and abroad. They've released albums spanning many genres. Some are developing strong reputations as composers, performers and sound artists. You'll find Brunel graduates at the Arts Council, Universal (Decca) and the English National Opera. Many continue to postgraduate study at universities or conservatoires. Some are teachers, technicians or work in arts administration, publishing, media and management careers.



BRUNEL STORIES

Love of literature inspires award-winning singer

Brunel alumna, Ray BLK (English BA, 2015), beat a host of top UK music talent and followed in the footsteps of Adele, Ellie Goulding and Sam Smith to be crowned the winner of the BBC Music Sound of 2017.

The singer and rapper from London, who has collaborated with grime star Stormzy, creates edgy R&B music in the same vein as American icons such as Lauryn Hill, Mary J Blige and Missy Elliott. Ray BLK's EP, 'Havisham' is inspired by Miss Havisham, the jilted Charles Dickens character in Great Expectations that she learned about during her English Literature degree at Brunel.

Although she has been making music for herself since the age of 10, Ray BLK's only music training came in the form of opera-singing lessons during a short scholarship programme at Brunel.

Politics

Who has political power? Why do they have it? To whom are they accountable? In whose interest do they exercise it? What is globalisation? Is violent protest ever justified?

If these questions excite you and provoke another torrent of questions in turn, you're looking in the right area for your degree course. Politics and international politics are exciting and dynamic areas of study, stimulating debate and offering insight into how the ever-changing world around us works.

- ▶ **Politics BSc (Hons)**
 - ▶ **International Politics BSc (Hons)**
- You can also select one of our joint honours degrees:
- ▶ **Politics and History BSc (Hons)**
 - ▶ **Politics and Sociology BSc (Hons)**

Why study Politics at Brunel?

Our courses are designed and taught by experts in politics, international relations and contemporary history. We pride ourselves on our friendly accessibility and the strong sense of community between our academics and students. You'll learn from lecturers who are internationally renowned for publishing and presenting papers worldwide, with their research often being reported on television and radio programmes. You'll benefit from the expertise of our staff who are consultants to government departments including the Cabinet Office, Home Office and Ministry of Defence in the UK; and the Council of Europe, the Georgian Ministry of Justice and the Canadian Department of Citizenship abroad.

Our proximity to central London's world-class research facilities, Westminster and Whitehall means you couldn't be better placed to immerse yourself in an established politics arena.

You'll have the opportunity to study abroad at one of several European universities or participate in an exchange programme in China or the USA.

www.brunel.ac.uk/politics

“In 2016, I was awarded ‘Lecturer of the Year’ by the Union of Brunel Students. I specialise in contemporary European politics with a particular focus on state borders and how citizens of neighbouring countries interact across them. I enjoy supervising dissertation students and encouraging them to carry out their own empirical research projects.”

Katja Sarmiento-Mirwaldt, Senior Lecturer in Politics



**Politics is ranked 6th in London.
(Complete University Guide 2018)**

Politics BSc (Hons)

This is a broad-based degree which provides an excellent foundation in the various aspects of the study of politics. You'll develop your knowledge of the different approaches and theories in politics. We also offer optional modules that focus on European, American and international politics, and political change.

What you'll learn (typical modules)

Level 1

Modules: Research Design and Qualitative Methods in Politics; Modern Political Thought; Introduction to American Politics; Introduction to World Politics; Modern British Politics; Capital, Labour and Power: Britain 1707-1939; History, Memory and Culture in Europe since 1789

Level 2

Modules: Comparative Political Institutions; Explaining Politics: Quantitative Political Science in Practice; Theories of International Relations
Optional modules: US Foreign Policy from World War 2 to the end of the Cold War; Issues in American Politics; The State and Revolution; The History of Political Cinema; The Holocaust; Unity and Cultural Diversity; Ancient Greek Political Thought: Plato's Republic; National Security Intelligence

Level 3

Modules: European Union Politics: Problems and Prospects; Dissertation

Optional modules: Psychogeography; History of Political Philosophy; Globalisation and Governance; Media, Politics and Power in America; Marx and Marxism; Parties and Voters in the UK; Public Policy Analysis; Parliamentary Studies; Fascism; Rethinking Modern Europe: Borders, Nations and Identities since 1850



WORK
PLACEMENTS



STUDY
ABROAD

UCAS codes

Politics BSc (Hons)

L200 3 years full-time

L202 4 years full-time with placement

Apply at www.ucas.com

Entry criteria

BBB (A-level), DDD (BTEC), 30 points (IB)

For detailed subject and grade requirements, visit our website.

“ Besides its fantastic location, Brunel benefits from having all facilities within one campus. The Politics and History Department in particular appealed to me given the wide variety of support available from both lecturers and fellow students. The diverse range of modules on offer ensures that there is something to suit everyone's interests. Brunel also helped me to secure my Placement Year with the Political and Social Research Team at YouGov, an experience which was both invaluable and highly enjoyable. ”

Abigail Axe-Browne, BSc Politics, Level 3



Politics and History BSc (Hons)

This degree is a dynamic combination of high-level study in both politics and history.

As well as gaining a firm understanding of the key political institutions and players influencing contemporary issues both domestically and internationally, you will study complementary courses in history, spanning the 17th to the 20th century in many different parts of the world.

What you'll learn (typical modules)

Level 1

Modules: Research Design and Qualitative Methods in Politics; Modern Political Thought; Modern British Politics; What is History?

Optional modules: Revolution, Liberty and the Origins of American Democracy; Capital, Labour and Power: Britain, 1707-1939; History, Memory and Culture in Europe since 1789; The Making of the Modern World; Migration and the Settler World, 1600-1914

Level 2

Modules: Comparative Political Institutions; Historians and their Craft; Explaining Politics: Quantitative Political Science in Practice

Optional modules: US Foreign Policy from World War 2 to the End of the Cold War; Issues in American Politics; Theories of International Relations; The State and Revolution; The History of Political Cinema; Australia and The Modern World; Themes in the History of Modern Africa; Slavery and Abolition in the Atlantic World; History of the Women's Movement in the West, c. 1790-1930; The Holocaust; Ancient Greek Political Thought: Plato's Republic and Aristotle's Politics; Unity and Cultural Diversity; National Security Intelligence

Level 3

Modules: Dissertation; European Union Politics: Problems and Prospects

Optional modules: Psychogeography; History of Political Philosophy; Globalisation and Governance; Media, Power and Politics in America; Marx and Marxism; Parties and Voters in the UK; Fascism; The Second World War; Public Policy Analysis; Parliamentary Studies; The British Maritime World, 1660-1815; Rethinking Modern Europe: Borders, Nations and Identities since 1850



WORK
PLACEMENTS



STUDY
ABROAD

UCAS codes

Politics and History BSc (Hons)

LVG1 3 years full-time

LVF1 4 years full-time with placement

Apply at www.ucas.com

Entry criteria

BBB (A-level), DDD (BTEC), 30 points (IB)

For detailed subject and grade requirements, visit our website.

“ I love Brunel because of the real community spirit on campus. It's easy get to know everyone. My involvement in the Politics and Conservative societies allowed me to gain experience beyond my degree and I also made some fantastic friends for life. ”

Rachael Farrington, Politics and History BSc, Level 3

Politics and Sociology BSc (Hons)

Study politics together with sociology and you'll take an innovative, contemporary degree course that provides an original combination of advanced study in both disciplines. You will take core modules in political science methods, British politics and EU politics, political theory, comparative politics and democratisation, with the option of more specialised options in Years 2 and 3. You'll also study challenging sociology topics such as individual and social processes, research methods and topics around social sciences, social theory, culture and modernity.

What you'll learn (typical modules)

Level 1

Modules: Research Design and Qualitative Methods in Politics; Modern Political Thought; Modern British Politics; Culture and Society; Making Sense of Culture and Society; Key Ideas in Sociology; Contemporary Society and Media

Level 2

Modules: Comparative Political Institutions; Explaining Politics: Quantitative Political Science in Practice; Sociology of Everyday Life: Issues in Contemporary Culture; Visual Cultures; Apocalypse! Crisis and Society

Optional modules: US Foreign Policy from World War II to the end of the Cold War; Issues in American Politics; Theories of International Relations; The State and Revolution; The Holocaust; Ancient Greek Political Thought: Plato's Republic and Aristotle's Politics; Unity and Cultural Diversity; National Security Intelligence; The History of Politics Cinema

Level 3

Modules: Politics Dissertation; Sociology Dissertation; European Union Politics: Problems and Prospects

Optional modules: Comedy, the Media and Society; Racism, Identity and Difference; Digital Cultures; Global Cities: Spaces and Culture; Changing Audiences; Psychogeography; History in Political Philosophy; Globalisation and Governance; Media, Power and Politics in America; Marx and Marxism; Parties and Voters in the UK; Fascism; Public Policy Analysis; Parliamentary Studies; Rethinking Modern Europe: Borders, Nations and Identities since 1850



WORK PLACEMENTS



STUDY ABROAD

UCAS codes

Politics and Sociology BSc (Hons)

LLH2 3 years full-time
LL23 4 years full-time with placement

Apply at www.ucas.com

Entry criteria

BBB (A-level), DDD (BTEC), 30 points (IB)

For detailed subject and grade requirements, visit our website.

International Politics BSc (Hons)

As well as providing a foundation in the approaches to, and theories of, politics and international relations, this programme will develop your understanding of the importance of politics in a globalising and integrating world.

What you'll learn (typical modules)

Level 1

Modules: Research Design and Qualitative Methods in Politics; Modern Political Thought; Introduction to American Politics; Introduction to World Politics; History, Memory and Culture in Europe since 1789; Making of the Modern World

Level 2

Modules: Comparative Political Institutions; Theories of International Relations; Explaining Politics: Quantitative Political Science in Practice

Optional modules: US Foreign Policy; Issues in American Politics; Themes in the History of Modern Africa; The State of Revolution; The History of Political Cinema; The Holocaust; Unity and Cultural Diversity; Ancient Greek Political Thought: Plato's Republic; National Security Intelligence

Level 3

Modules: European Union Politics: Problems and Prospects; Globalisation and Governance; Dissertation

Optional modules: Psychogeography; History of Political Philosophy; Media, Politics and Power in America; Marx and Marxism; Fascism; Parties and Voters in the UK; Public Policy Analysis; Parliamentary Studies; Rethinking Modern Europe: Borders, Nations and Identities since 1850

Getting ready for work

By opting for a placement degree, you'll gain work experience to complement your academic studies in a way that is highly valued by employers. You can take up industrial placements in many settings including the Environmental Audit Committee, House of Commons, Access Sport, Directorate of Gender Affairs, HM Treasury and the Competition Commission. Our graduates enter diverse careers. Some go into politics and the civil service; some are at GCHQ and in military intelligence. Others work in the public and private sectors, the NHS, international banks, business, consultancy, law, NGOs and the media. Some graduates become researchers, teachers and librarians.



WORK PLACEMENTS



STUDY ABROAD

UCAS codes

International Politics BSc (Hons)

L240 3 years full-time
L241 4 years full-time with placement

Apply at www.ucas.com

Entry criteria

BBB (A-level), DDD (BTEC), 30 points (IB)

For detailed subject and grade requirements, visit our website.

“ I would definitely recommend Brunel to any student with an interest in the international arena. Not only has this university broadened my understanding of Europe, it has made me increasingly curious of world affairs. ”

Cayla Ann Tomás Murray, International Politics BSc, 2016



Sociology

What is society? How and why is it changing? What are the opportunities for future change and development? If you are fascinated by human behaviour and the societies in which we order ourselves, contemporary Sociology will feed your mind and stimulate your thinking.

The earliest sociologists tried to understand the major issues of their time; poverty, unemployment, social conflict; in the context of rapid and profound industrial and economic change.

Today sociologists look at how such social issues are redefined by contemporary processes of individualisation, globalisation and the rapid growth of new forms of communication.

► **Sociology BSc (Hons)**

► **Sociology (Media) BSc (Hons)**

We also offer two joint honours degrees:

► **Anthropology and Sociology BSc (Hons) see page 44**

► **Politics and Sociology BSc (Hons) see page 110**

Why study Sociology at Brunel?

Sociology at Brunel focuses on social change and transformations and explores all aspects of human behaviour, from the personal and the social to the cultural. Our sociologists regularly publish on subjects including the public sphere, social theory, celebrity culture, the influence of the media, urban spaces, sport, multiculturalism, cosmetic surgery and comedy cultures.

www.brunel.ac.uk/sociology

“I’m really interested in the field of body image and how opinions differ among different cultures. In my research and teaching I focus on how what is normal at any given time is conveyed through media. In this way, I argue that our bodies are created through media - I’m currently writing a book called Media-Bodies.”

Dr Meredith Jones, Reader,
Department of Social Sciences, Media and Communications

Sociology at Brunel is ranked 1st in London
and 10th in the UK. (Complete University Guide 2018)

Sociology BSc (Hons)

This broad-based degree will develop your knowledge of theories that explain the changing nature of social behaviour in our own and other societies. You'll discuss questions such as: What is society? How and why is it changing? What are the opportunities for future change and development?

What you'll learn (typical modules)

Level 1

Modules: Making Sense of Culture and Society; Researching Culture and Society; Contemporary Society and Media; Exploring Identity and Power; Key Ideas in Sociology

Level 2

Modules: Research in Practice; Visual Cultures; Sociology of Everyday Life; Creative Industries, Fashion and Culture; Bodies and Society; Ethnicity, Culture and Identity; Deviant Identities; Apocalypse! Crisis and Society

Level 3

Modules: Digital Cultures; Racism, Identity and Difference; Comedy, the Media and Society; Changing Audiences; Beyond Human; Global Cities: Spaces and Culture



WORK
PLACEMENTS



STUDY
ABROAD

UCAS codes

Sociology BSc (Hons)

L301 3 years full-time

L310 4 years full time with placement

Apply at www.ucas.com

Entry criteria

BBC (A-level), DDD (BTEC), 29 points (IB)

For detailed subject and grade requirements, visit our website.



Sociology (Media) BSc (Hons)

This broad-based degree offers you the opportunity to specialise in areas you are interested in. These could include the social impact of new media, the internet and other information and communications technologies, media discourse, media policy and regulation.

What you'll learn (typical modules)

Level 1

Modules: Making Sense of Culture and Society; Researching Culture and Society; Contemporary Society and Media; Exploring Identity and Power; Key Ideas in Sociology; Key Ideas in Media

Level 2

Modules: Research in Practice; Visual Cultures; Social Media and Networked Cultures; Creative Industries, Fashion and Culture; Bodies and Society; Sociology of Everyday Life; Deviant Identities; Media Genres

Level 3

Modules: Digital Cultures; Racism, Identity and Difference; Comedy, the Media and Society; Changing Audiences; Beyond Human; Global Cities: Spaces and Culture



WORK
PLACEMENTS



STUDY
ABROAD

UCAS codes

Sociology (Media) BSc (Hons)

LP33 3 years full-time

LP34 4 years full-time with placement

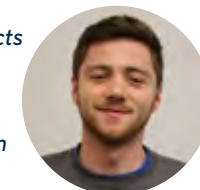
Apply at www.ucas.com

Entry criteria

BBC (A-level), DDD (BTEC), 29 points (IB)

For detailed subject and grade requirements, visit our website.

“Brunel is an ideal place to study sociology. Apart from the great aspects of the course, studying on a campus with direct links to the centre of London and among a hugely diverse, multicultural student body, creates an energy and vibe unique to Brunel.”



Tadeo Thorburn,
Sociology and Media Studies BSc, Level 3

Getting ready for work

Sociologists are in increasing demand in social welfare and policy, local government and administration, medicine, education and research. If you are thinking of a career in any of these fields, you may be able to select relevant work experience while you're at Brunel. The varieties of research skills the degree teaches are vital qualities sought by employers in business, marketing, media, advertising and recruitment.

Theatre

Theatre courses at Brunel are for those looking to work in today's vibrant and diverse cultural industries and educational and community contexts.

Our degrees in theatre will equip you with specialist creative skills in a range of performance genres. They will also ground you academically in history and theory. Providing the perfect balance between theory and practice, you'll be taught by experts in our purpose-built Antonin Artaud Performance Centre.

At the same time you'll acquire fundamental transferable life skills, such as collaboration, negotiation, teamwork, leadership skills, presentation skills, problem-solving and project management - essential to just about every professional environment you can imagine.

► Theatre BA (Hons)

You can also select one of our joint honours courses:

► Theatre and Creative Writing BA (Hons)

► Theatre and English BA (Hons)

Why study Theatre at Brunel?

Studying theatre with us means joining a wonderfully rich community of students, artists and academics.

You'll develop your competence and confidence as well as your analytical and study skills. We emphasise practical routes into careers in the creative industries, education or in wider research. Our staff are industry specialists who will support you when you graduate.

You'll learn in our purpose-built Antonin Artaud Performance Centre with its main theatre and two studio theatres plus rehearsal and recording studios. We host regular Arts@Artaud nights, showcasing new music, film, creative writing and drama presented by students from across Brunel.

www.brunel.ac.uk/theatre

“Studying theatre with us means joining a wonderfully rich community of students, artists and academics who will support you as you bring your talents and aspirations to life in the real world.”

Professor Meretta Elliott, Head of Department



Our deep connections with the theatre industry means your work experience can be tailored to your interests.

Theatre BA (Hons)

A unique feature of our Theatre BA is the support you'll receive through your personal tutor, alongside seminar discussions and small group teaching. This approach facilitates communication and collaboration. You'll learn in our Antonin Artaud Performance Centre. The Centre houses a fully-equipped main theatre and two studio theatres alongside a suite of rehearsal and recording studios.

What you'll learn (typical modules)

Level 1

Modules: Perspectives 1; Ensemble Production; How to Read a Play

Optional modules: Acting; Applied Drama Practice; Digital Performance 1; Directing 1; Playwriting 1; Physical Theatre 1

Level 2

Modules: Perspectives 2

Optional modules: Acting; Beyond Naturalism; Directing 2; Writing 2; Applied Drama; Physical Theatre 2; Digital Performance 2; Musical Theatre; Performance as Research: Second Year Production Module

Level 3

Modules: Professional Experience and Development; Final Production; OR Written Dissertation

Optional modules: Psychogeography; Perspectives 3: The Canon Re-loaded; Advanced Physical Theatre; New Writing; Writing Poetry for Performance; Advanced Musical Theatre

Theatre and Creative Writing BA (Hons)

Combine your theatre studies with creative writing and you will deepen your skills with a sound grounding in the fundamental techniques of fiction, poetry and theatre-writing. You'll also appreciate what it takes to make it as a writer in the real world and make a living in a creative economy. Brunel offers one of the most highly regarded Creative Writing programmes in the UK; with many staff members active as writers for performance, or as cultural critics.

What you'll learn (typical modules)

Level 1

Modules: Perspectives 1; Ensemble Production; Introduction to Writing Fiction; Introduction to Writing Drama

Optional modules: Directing 1 Contexts, Theories and Practices; Playwriting 1; Physical Theatre 1: Between Dance and Theatre; Acting: Essential Skills; Applied Drama Practice: An Introduction; Digital Performance 1; Musical Theatre 1; Introduction to Writing Poetry



WORK
PLACEMENTS



STUDY
ABROAD

UCAS codes

Theatre BA (Hons)

W440 3 years full-time

W441 4 years full-time with placement

Theatre and Creative Writing BA (Hons)

W4WW 3 years full-time

W481 4 years full-time with placement

Apply at www.ucas.com

Entry criteria

BBB (A-level), DDD (BTEC), 30 points (IB)

For detailed subject and grade requirements, visit our website.

Level 2

Modules: Perspectives

Optional modules: Writing 2: Experiments in Language for Performance; Directing 2 Contexts, Theories and Practices; Physical Theatre 2: Performance and Embodiment; Acting: Beyond Naturalism; Applied Drama: Project; Digital Performance 2; Musical Theatre: Histories, Practices and Theories; Performance as Research: Second Year Production Module; Writing Contemporary Poetry; Writing the Short Story; Screenwriting; Writing Journalism; Horror, Sci-Fi and Fantasy; Writing the Self

Level 3

Modules: Final Production / Written Dissertation / Creative Writing Special Project

Optional modules: Professional Experience and Development; Psychogeography; The Canon Re-loaded; Advanced Physical Theatre 3; Perspectives 3: Battling with Ideas; Advanced Musical Theatre; New Writing: Page to Stage; The Creative Industries; Writing Modern Drama; Writing Modern Fiction; Writing Comedy; Writing Poetry for Performance; Writing for Readers / Reading for Writers

Theatre and English BA (Hons)

Choose to study Theatre and English and you'll expand your knowledge and understanding of literature, giving yourself a wonderful range of references to draw on in the future. A rich range of options can include fairy tales, postmodernism, popular literature, south Asian writing, women's writing, experimental literatures and digital technologies.

The English department focuses on helping students read texts in fresh and diverse ways, looking at literature in all its structures and forms as well as the contexts in which it is produced and read. Studying the relations between writer, text and reader relates directly to contemporary work in the theatre.

What you'll learn (typical modules)

Level 1

Modules: Perspectives 1; Ensemble Production; World Literature, World Literacies

Optional modules: Directing 1 Contexts, Theories and Practices; Playwriting 1; Physical Theatre 1: Between Dance and Theatre; Acting: Essential Skills; Applied Drama Practice: An Introduction; Digital Performance 1; Musical Theatre 1

Level 2

Modules: Perspectives

Optional modules: Writing 2: Experiments in Language for Performance; Directing 2 Contexts, Theories and Practices; Physical Theatre 2: Performance and Embodiment; Acting: Beyond Naturalism; Applied Drama: Project; Digital Performance 2; Musical Theatre: Histories, Practices and Theories; Performance as Research: Second Year Production Module; Nineteenth-Century Novel; Shakespeare Text and Performance; Modernism; Romanticism & Revolution; The Women's Movement: 20th Century and Contemporary Writing; Post-Colonial Writing; Contemporary British Fiction; Genre Fiction

Level 3

Modules: Final Production / Written Dissertation

Optional modules: Perspectives 3: Battling with Ideas; The Canon Re-loaded; Advanced Musical Theatre; Professional Experience and Development; Advanced Physical Theatre 3; New Writing: Page to Stage; Victorian Literature and Culture; Post-War and Late Twentieth-Century Literature, 1945-2001; Modern and Contemporary Lesbian Literature; Psychogeography; Writing Ireland; Creative Industries; Violence; The Muslim World in Early Modern English Literature; Chaucer to Shakespeare



WORK
PLACEMENTS



STUDY
ABROAD

UCAS codes

Theatre and English BA (Hons)

WQ43 3 years full-time

WQ41 4 years full-time with placement

Apply at www.ucas.com

Entry criteria

BBB (A-level), DDD (BTEC), 30 points (IB)

For detailed subject and grade requirements, visit our website.

“Brunel is a supportive and friendly environment which allows me to grow in my chosen subjects. The lecturers are all active in their fields and it is inspiring to be taught by people from the industry who can give professional advice.”



Lucia Jones, Theatre and English BA

Getting ready for work

Production budgeting, designing for specific audiences, working in the community and CV writing all form part of your third-year studies and will help you get ready for work. This is also when you will undertake work experience, preparing you for a career in the creative industries.

Past students have undertaken work experience at Les Enfants Terribles on Alice's Adventures in Wonderland, Akram Khan Dance Company, Paines Plough and the National Theatre. Our links with theatres and other businesses mean we can help you find a place to develop your specific interests.

Our graduates are working as theatre producers, actors, performers, playwrights, stand-up comedians, casting directors, event managers and community theatre officers for local councils.



Aerospace Engineering

Aerospace Engineering at Brunel is part of one of the UK's leading engineering departments at the College of Engineering, Design and Physical Sciences. Our courses will prepare you for a career in one of the most exciting and fast-moving industries in the world today.

The global aerospace engineering industry needs graduates with the skills to take on leadership and managerial positions early in their careers. We nurture these skills through our problem-solving learning philosophy.

You'll be taught by world-renowned academic staff. Our courses balance fundamental mechanical engineering subjects such as mathematics and engineering science with the application of knowledge in the aerospace field.

► Aerospace Engineering BEng (Hons)/MEng (Hons)

Why study Aerospace Engineering at Brunel?

We are committed to helping you become one of the most capable Aerospace Engineering graduates, ready for a high-flying career.

We provide a rigorous and traditional academic education coupled with an appreciation of the highly technical nature of the aerospace industry. You'll have the opportunity to exhibit your projects at our annual showcase event, Brunel Engineers, as well as at other industry-sponsored competitions.

You'll be taught through lectures, laboratory sessions, design studio work and one-to-one supervision. You'll be assessed on assignments, project work, reports on laboratory practicals, oral presentations, tests and written examinations.

If you select the placement course you'll gain work experience and academic credit. The placement will also fast-track you towards Chartered or Incorporated Engineer status. Brunel's on-campus Professional Development Centre can help you find the placement that is right for you.

Brunel is the closest university to London's Heathrow Airport, providing opportunities for site visits and placement and career options.

www.brunel.ac.uk/aerospace-engineering

“Aerospace Engineering at Brunel equips students with the fundamental principles, science and practical skills necessary for the conception, design, implementation and operation of aeronautical and spacecraft vehicles. Our strong industrial links and excellent delivery of the course provide students with the specific knowledge and experience required for a successful career in the aerospace industry.”

Dr Rui Cardoso, Course Director



Aerospace Engineering at Brunel is 1st in London for student satisfaction. (National Student Survey 2017)

Aerospace Engineering BEng/MEng (Hons)

We offer a specialist course in aerospace engineering as either a BEng or MEng programme. If you join a BEng programme, you can transfer to the MEng programme at the end of the second year, provided you reach a progression standard. The final year of the MEng will broaden your knowledge to help you meet the leadership needs of industry.

You'll benefit from excellent facilities. These include our aerospace/aviation laboratory, full-motion engineering flight simulator, supersonic and subsonic wind tunnels, modern material/structure testing laboratory and 3D printers in the digital fabrication workshop. Industry-standard specialist software for engineering design is available 24 hours a day.

You'll be taught by staff who are also researchers, collaborating with commercial organisations like aircraft manufacturers. Their research keeps our courses up to date. There are opportunities to study abroad during your second year, either in Europe or at University of Iowa in the USA.

What you'll learn (typical modules)

Level 1

Modules: Fundamentals of Solid Body Mechanics; Fundamentals of Thermofluids; Analytical Methods and Skills; Engineering Materials, Manufacturing and Electrical Machines; Introduction to Engineering Design; Laboratories, Technical Drawing and Workshop Experience

Level 2

Modules: Solid Body Mechanics; Thermofluids; Computing, Analytical Methods, Control and Instrumentation; Professional Engineering Applications and Practice; Principles of Aircraft Design

Level 3

Modules: Propulsion Systems, Aircraft Structures and Materials; Professional Engineering Practice; Flight Testing and Analysis; FEA, CFD and Design of Engineering Systems (BEng); FEA, CFD and Numerical Modelling (MEng); Individual Project

Level 5 (MEng)

Modules: Strategic Management, Innovation and Enterprise; Current Topics in Aerospace; Advanced Aerodynamics, Propulsion Systems and Space Mechanics; Design and Analysis of Aircraft and Spacecraft Systems; Advanced Thermofluids OR Advanced Solid Body Mechanics; Group Project



WORK
PLACEMENTS



STUDY
ABROAD

UCAS codes

Aerospace Engineering BEng (Hons)

H402 3 years full-time

H401 4 years full-time with placement

Aerospace Engineering MEng (Hons)

H400 4 years full-time

H403 5 years full-time with placement

Apply at www.ucas.com

Entry criteria

Aerospace Engineering BEng (Hons)

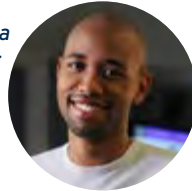
BBB (A-level), DDD (BTEC), 30 points (IB)

Aerospace Engineering MEng (Hons)

AAA (A-level), n/a (BTEC), 34 points (IB)

For detailed subject and grade requirements, visit our website.

“One of my highlights was the opportunity to work in Switzerland for a year with General Electric in the power sector. I was given real responsibilities from day one and, given the many skills I had attained at Brunel, I felt prepared for the challenge.”



Nathan Muchwa, Aerospace Engineering MEng

Getting ready for work

We are known for developing high-calibre graduates. When you leave us, you will have developed transferable skills relevant to demanding careers in the aerospace, aeronautical and related industries.

Our students often have several job offers before they graduate. They take up employment in fields such as aircraft and components design and manufacture, maintenance and testing, flight simulation, aviation, avionics and patent engineering.

The President and CEO at Airbus Group in the UK is a Brunel engineering alumnus. Others are working for Rolls-Royce, British Airways, BAE Systems, GE Aviation, Thales, Bombardier, Lockheed Martin, the RAF and the Ministry of Defence.

BRUNEL STORIES

Alumna named 'Inventor of the Year'

Industrial Design and Technology alumna, Solveiga Pakštaitė, has been named MIT Inventor of the Year 2017 for her Mimica Touch food expiry label. The award was presented at the annual Innovators Under 35 Europe Summit in Paris.

Solveiga found that 'use by' dates on food packaging are not always accurate and this contributes to mountains of perfectly good food being wasted every year. Mimica Touch was designed to provide a more accurate method of determining whether food is still edible. The food label contains gelatine which breaks down at the same rate as the food inside the package. Once the food is no longer safe to eat, the user will be able to feel bumps on the label and will know to dispose of it.

Originally devised as part of her final year project, to help the visually impaired who cannot read dates on traditional food labels, Solveiga has since found that her design could revolutionise food labelling for all.

No stranger to awards, Solveiga has achieved phenomenal success since graduating in 2014, picking up accolades including the Mayor of London Low Carbon Entrepreneur Award, the James Dyson UK Award, Shell LiveWIRE Smarter Future Award, along with a great deal of industry recognition.



Chemical Engineering

The rapid rise in the world's population has caused environmental concerns, posing major challenges for the future of our planet and society. Chemical engineers have unique process and practical tools and problem solving skills to meet these challenges.

Brunel's new chemical engineering programme is tailored to prepare you for an exciting and rewarding career, and provides you with the technical, leadership and entrepreneurial skills employers expect from modern graduates.

Chemical engineers develop optimised processes for safe design and operation of process plants. They have exciting careers in industries which touch on every aspect of our daily life, with sustainability, environment and chemical cybersecurity management at its core. The fastest growing of all engineering disciplines, it prepares you to work in many industries such as renewable energy, food, manufacturing, biotechnology, environmental, pharmaceutical, and nuclear, to name a few.

The Institution of Chemical Engineers (IChemE) requires innovative approaches to meet the 21st century demands from chemical engineers, and that's what we are committed to deliver at Brunel.

► Chemical Engineering BEng/MEng (Hons)

Why study Chemical Engineering at Brunel?

You'll spend time studying fundamental principles, simulations and modelling in our well-equipped computer labs. We also have excellent experimental laboratory facilities with specialised experiments in heat transfer, bioprocessing and hydraulics equipped with state-of-the-art analytical equipment.

Many of our teaching staff have a strong track record working with industry. Their experience in industrial research defines our unique identity focusing on energy, water, and bio/material processing and beyond. Transferable skills (such as the ability to communicate, teamwork, lead, and creativity) play a key role in modern chemical engineering education. Selecting the placement option will fast-track you towards Chartered or Incorporated Engineer status.

www.brunel.ac.uk/chemical-engineering

“Our degree is an industrially-inspired learning experience which equips graduates with conventional, transferable and hands-on skills. We aim to develop the next generation of innovative chemical engineers who'll add extra value to potential employers in traditional and neighbouring industries.”

Professor Mohammad Kalbassi, Industrial Professor,
Deputy Head of Department



National salary surveys consistently place chemical engineers at the top of the engineering pay scales.

Chemical Engineering BEng/MEng (Hons) - Course subject to approval

On this course, you'll develop chemical engineering skills to appreciate the need for safe design and operation of process plants and the environmental responsibilities in the context of sustainable development. Teaching is modular and covers a broad core and complementary subjects.

With innovation and problem solving at the core, this course aims to produce the next generation of chemical engineering leaders and entrepreneurs. A major part of your third year is devoted to a process design project, with other students working in multidisciplinary teams. Plant safety and economic aspects in the form of capital and operating costs are essential parts of the design project. You'll take decisions and support your choices based on technical, economic, health, safety, chemical cybersecurity management, and environmental basics.

If you join a BEng programme, you can transfer to the MEng programme at the end of the second year, provided you reach a progression standard. The final year of the MEng will broaden your knowledge to help you meet the leadership needs of industry.

What you'll learn (typical modules)

Level 1

Modules: Mathematics; Engineering Science (projects, techniques, theory); Professional and Academic Skills; Option

Level 2

Modules: Reaction Engineering; Mass and Energy Balances; Thermodynamics and Fluid Engineering; Process Heat Transfer; Applied Mathematics and Statistics; Industrial Chemistry; Professional Skills

Level 3

Modules: Unit Operations; Process Design; Process Control and Instrumentation; Design Project; Professional Skills

Level 5 (MEng)

Modules: Biochemical Engineering; Energy Futures; Cybersecurity Management of Chemical Plants; Leadership and Project Management; Research Project



WORK
PLACEMENTS

UCAS codes

Chemical Engineering BEng (Hons)

H501 3 years full-time

H5P1 4 years full-time with placement

Chemical Engineering MEng (Hons)

H500 4 years full-time

H5P0 5 years full-time with placement

Apply at www.ucas.com

Entry criteria

Chemical Engineering BEng (Hons)

BBB (A-level), DDD (BTEC), 30 points (IB)

Chemical Engineering MEng (Hons)

AAA (A-level), n/a (BTEC), 34 points (IB)

For detailed subject and grade requirements, visit our website.

Getting ready for work

The course is inspired by industry needs and has special emphasis on transferable skills and safety. To help you prepare for a rewarding working career, and in addition to the teaching and transferable skills, we will encourage you to take the placement year option. Brunel is in close proximity to many engineering companies in the southeast of England, providing unique, high-quality placement opportunities. Through such placements you will put to practice your studies and gain valuable exposure to industry. These professional placements are supported by our on-campus Professional Development Centre which will also provide help with CV writing, cover letters and assessment centres. Additionally, we will conduct mock assessment to prepare you for job interviews.



Civil Engineering

At Brunel, we're producing the next generation of civil engineers, fully equipped for key professional roles in industry and the wider community.

Rising populations, progressive urbanisation, ongoing economic development and climate change present many threats to infrastructure, but also offer opportunities for sustainable development. Civil engineers will need to draw deeply on their knowledge, skills and creativity to provide sustainable and resilient facilities and solutions.

On our courses, you'll learn both the traditional and cutting-edge aspects of civil engineering and how to plan and create the infrastructure we'll need in the 21st century. A core part of our ethos is sustainability, paralleling the 'cradle-to-cradle' approach promoted by major national and international engineering organisations.

- ▶ **Civil Engineering BEng/MEng (Hons)**
- ▶ **Civil Engineering with Sustainability BEng/MEng (Hons)**

Why study Civil Engineering at Brunel?

Our programme is a hands-on learning experience. You'll acquire the fundamental theory and then test and apply that theory in the laboratory using advanced software and during fieldwork.

You will gain the experience and skills you need to engineer the next generation of necessary facilities. These include sustainable buildings, roads, bridges, tunnels, flood protection, waste recycling and construction management.

You can study the courses full-time or you can select the prestigious placement year option which will give you a high-quality work placement usually between Years 2 and 3. This will give you experience and academic credit, and also fast-track you towards Chartered or Incorporated Engineer status.

You'll have the opportunity to exhibit your projects at our annual showcase event, Brunel Engineers, as well as in other industry-sponsored competitions.

Our custom-designed technical facilities include modern material/structure testing, water treatment, soil sampling rig and road repairing system.

www.brunel.ac.uk/civil-engineering

“With us, you'll gain innovative, transferable knowledge to meet the engineering challenges facing the modern circular supply chain.”

Professor Mizi Fan, Head of Department



**Civil Engineering at Brunel is ranked 3rd in London.
(Complete University Guide 2018)**

Civil Engineering BEng/MEng (Hons)

This course aims to produce the next generation of civil engineers equipped for leading professional roles in the civil engineering industry and the wider local, national and global community.

We will introduce you to mainstream civil engineering knowledge, ranging from geotechnical site assessment to assessing and designing structures and water infrastructure engineering.

Our Civil Engineering BEng/MEng courses have a common first year. There is a residential field course during your studies. In Years 2 and 3, you'll take some specialist modules depending on your final degree choice.

We have good connections with industry. This means that you'll be taught by professional engineers who are working with major clients, consultancies and contractors and can bring real-world experience to their course teaching.

What you'll learn (typical modules)

Level 1

Modules: Fundamentals of Structures; Fundamentals of Fluid Mechanics; Analytical Methods and Skills for Civil Engineers; Fundamentals of Geotechnical Engineering and Surveying; Construction and Sustainability; Professional Skills

Level 2

Modules: Civil Engineering Hydraulics; Civil Engineering Materials; Structural Mechanics; Geotechnical Engineering; Structural Design; Sustainable Construction and Professional Skills

Level 3

Modules: Steel and Concrete Design; Construction Contracts, Business and Sustainability; Structural Analysis; Innovative Construction Materials; Individual Project

Level 5 (MEng)

Modules: Sustainable Project Management; Structural Design and FEA; Water Infrastructure Engineering; Risk and Financial Management; Structural Dynamics and Seismic Design; Group Project



WORK
PLACEMENTS

UCAS codes

Civil Engineering BEng (Hons)

H204 3 years full-time

H206 4 years full-time with placement

Civil Engineering MEng (Hons)

H205 4 years full-time

H207 5 years full-time with placement

Apply at www.ucas.com

Entry criteria

Civil Engineering BEng (Hons)

BBB (A-level), DDD (BTEC), 30 points (IB)

Civil Engineering MEng (Hons)

AAA (A-level), D*D*D* plus A-level Mathematics (BTEC), 34 points (IB)

For detailed subject and grade requirements, visit our website.



Civil Engineering with Sustainability BEng/MEng (Hons)

This course provides a mainstream education in civil engineering with a focus on sustainable infrastructure design and development. You'll develop essential technical knowledge incorporating surveying and site assessment, designing structures and environmental engineering.



WORK
PLACEMENTS

UCAS codes

Civil Engineering with Sustainability BEng (Hons)

H200 3 years full-time

H201 4 years full-time with placement

Civil Engineering with Sustainability MEng (Hons)

H202 4 years full-time

H203 5 years full-time with placement

Apply at www.ucas.com

Entry criteria

Civil Engineering with Sustainability BEng (Hons)
BBB (A-level), DDD (BTEC), 30 points (IB)

Civil Engineering with Sustainability MEng (Hons)
AAA (A-level), D*D*D* plus A-level Mathematics (BTEC), 34 points (IB)

For detailed subject and grade requirements, visit our website.

What you'll learn (typical modules)

Level 1

Modules: Fundamentals of Structures; Fundamentals of Fluid Mechanics; Analytical Methods and Skills for Civil Engineers; Fundamentals of Geotechnical Engineering and Surveying; Construction and Sustainability; Professional Skills

Level 2

Modules: Civil Engineering Hydraulics; Civil Engineering Materials; Structural Mechanics; Geotechnical Engineering; Structural Design; Sustainable Infrastructure and Professional Skills

Level 3

Modules: Steel and Concrete Design; Construction Contracts, Business and Sustainability; Water and Wastewater Engineering; Sustainable Infrastructure Development; Individual Project

Level 5 (MEng)

Modules: Sustainable Project Management; Structural Design and FEA; Geo-environmental Engineering; Water Process Engineering; Infrastructure Management; Group Project

Getting ready for work

Potential careers include contractor and consultant positions on large infrastructure projects such as bridges, tall buildings, tunnels, flood and coastal defence schemes, transport, highways, water treatment and low-carbon power generation.

Some of our graduates go on to jobs with national and local government agencies or major firms of consulting engineers. Others specialise in construction, sustainability, innovative materials, foundation engineering, tunnelling, geotechnical exploration or highway engineering.

“The course provides a foundation of knowledge learnt in the classroom and enjoyable field trips such as the Dorset surveying course and Constructionarium. It's enabled me to secure an amazing graduate job at Atkins within Cities and Infrastructure.”

Kirsty Greener, Civil Engineering with Sustainability MEng





Computer Science

Computers are the key feature of contemporary life across the world and at the heart of just about everything we do. It's difficult to think of a single thing you might do today that does not in some way incorporate computer technology.

This is an innovative, fast-moving area of study, constantly breaking new ground. Consequently, there is strong demand for computing graduates in many commercial, industrial and public sector environments.

- ▶ **Computer Science BSc (Hons)**
- ▶ **Business Computing BSc (Hons)**

Why study Computer Science at Brunel?

Our Computer Science department is based in a new, state-of-the-art building full of lots of new technology and innovation.

You'll be taught in a variety of ways to make your learning dynamic, enjoyable and effective. Lectures offer a broad overview of key concepts and ideas, creating a framework for more in-depth study, whilst laboratory work will help you to develop and understand the technical skills needed to build software.

Our excellent facilities include servers running state-of-the-art software for the exclusive use of our students. The department is a member of the Microsoft Alliance and the Apple iOS Academic Developer Programme.

We have strong networks and links with industry. This gives you access to a great choice of high-quality, professional industrial placements that are supported by our on-campus Professional Development Centre.

www.brunel.ac.uk/computer-science



“At Brunel we pride ourselves on our strong links with industry. These connections inform our teaching. We will encourage you to undertake a work placement, where you'll spend up to 12 months in a role relevant to your studies.”

Professor Steve Counsell, Reader, Department of Computer Science



You can showcase your software projects at our annual Made in Brunel Software Innovation show with awards presented by the likes of Cisco, Sky and Xerox.

Our Computer Science courses will teach you everything you need for a successful career in IT – from programming and information systems to modules in mobile applications and artificial intelligence.

During the first two years (Levels 1 and 2) you'll study modules that are common to all our Computer Science degrees. In the third year, you'll have the opportunity to choose a specialism that interests you.

Computer Science BSc (Hons)

On this course, you'll learn about the efficient design of software and hardware. You'll also become familiar with the techniques you can apply to all aspects of software design, development and verification.

Computer Science (Artificial Intelligence) BSc (Hons)

Handling large amounts of data efficiently and quickly is becoming an increasingly important aspect of computing. Businesses need to understand trends in data which will allow them to make informed and timely decisions. Artificial intelligence (AI) and the techniques it embraces provide opportunities for this to happen and make sense of 'Big Data'. Qualified graduates with the skills and ability in AI to take advantage of these opportunities are in great demand; providing those graduates allows us to confront the many challenges that lie ahead. Brunel's course in Computer Science, specialising in artificial intelligence, will expose you to the foundations, theory and practical aspects of computer science and AI.

Computer Science (Digital Media and Games) BSc (Hons)

Digital media and gaming applications are at the cutting edge of user experience technology – and this flexible course provides graduates with the knowledge to design creative, commercially-focused solutions. Graduates will be able to understand the nature diversity and limitations of software artefacts targeted at the entertainment market and apply their development and implementation skills to the production of such artefacts.

Computer Science (Network Computing) BSc (Hons)

On this programme in computer science, specialising in network computing, you will gain a good understanding of computer science and a grasp of the important elements of a computer system. You'll also learn how to build different types of software from web-based systems to mobile solutions. In the final year you'll take compulsory modules in advanced computer science and choose options from a range of computing topics.



WORK
PLACEMENTS

UCAS codes

Computer Science BSc (Hons)

G402 3 years full-time

G407 4 years full-time with placement

Computer Science (Artificial Intelligence) BSc (Hons)

G701 3 years full-time

G700 4 years full-time with placement

Computer Science (Digital Media and Games) BSc (Hons)

G450 3 years full-time

G451 4 years full-time with placement

Computer Science (Network Computing) BSc (Hons)

G424 3 years full-time

G423 4 years full-time with placement

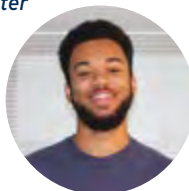
Apply at www.ucas.com

Entry criteria

BBB (A-level), DDD (BTEC), 30 points (IB)

For detailed subject and grade requirements, visit our website.

“I made the decision to study Computer Science with Artificial Intelligence at Brunel mainly because it was one of the only universities that offered a specialism in this area. With AI becoming one of the most important topics within the world, choosing Brunel became a no-brainer.”



Liam Richmond, Computer Science (Artificial Intelligence) BSc

Computer Science (Software Engineering) BSc (Hons)

This BSc in Computer Science, specialising in software engineering, will provide you with a good understanding of computer science and the important elements of a computer system. You will learn how to build different types of software – from web-based systems to mobile solutions – and in the final year you'll take compulsory modules in advanced computer science and choose options from a range of computing topics. By specialising in software engineering, you'll focus on how to build high-quality systems which will be easier to maintain and develop in the long term as the requirements of the system change, and the available technologies evolve. The techniques involved include testing, service-oriented architectures, and refactoring.

What you'll learn (typical modules)

Level 1

Modules: Software Design; Software Implementation Event; Group Project Reflection; Fundamental Programming Assessment; Data and Information Assessment; Information Systems and Organisations; Logic and Computation

Level 2

Modules: Group Project; Software Development and Management; Usability Engineering; Algorithms and their Applications; Networks and Operating Systems

Level 3

Compulsory modules: Computer Science Project; Advanced Topics in Computer Science

Optional modules: Artificial Intelligence; Digital Media and Games; Network Computing; Software Engineering; Human Computer Interaction; Software Project Management; Cybersecurity



WORK
PLACEMENTS

UCAS codes

Computer Science (Software Engineering) BSc (Hons)

G601 3 years full-time

G602 4 years full-time with placement

Apply at www.ucas.com

Entry criteria

BBB (A-level), DDD (BTEC), 30 points (IB)

For detailed subject and grade requirements, visit our website.

Getting ready for work

Our Computer Science graduates enjoy excellent employment prospects. You might start out as a general analyst or programmer, or join a consultancy firm. These are often the first steps towards setting up your own business. Recent graduates have gone on to work for household names including Microsoft, IBM and Toshiba.



Our Business Computing courses will give you a thorough understanding of how information technology and computer-based systems help businesses.

During the first two years (Levels 1 and 2) you'll study modules that are common to all the degrees. In the third year, you'll have the opportunity to choose a specialism that interests you. You can specialise in eBusiness, human computer interaction or social media.

Business Computing BSc (Hons)

On this general course, you'll specialise in the foundations, theory and practical aspects of business technologies. Through a combination of theory and real world practice, you'll learn how to assess organisational problems and to create the best computing solutions to solve business needs. As you progress through the course you can continue with general business computing or specialise in your final year.

Business Computing (eBusiness) BSc (Hons)

On this course in Business Computing with an eBusiness specialisation, you will gain a thorough understanding of how information technology and computer-based systems help businesses. Through a mixture of theory and 'real world' practice, you will learn how to assess organisational problems and to create the best computing solutions to solve the business needs. You will increase your knowledge of computing in industrial and commercial organisations, equipping you to assess what computing solution is required in specific circumstances. In addition to the compulsory business computing content you will learn about the underlying models and latest approaches adopted by companies in building successful eBusinesses.

Business Computing (Human Computer Interaction) BSc (Hons)

On this Business Computing course you will gain a thorough understanding of how information technology and computer-based systems can help businesses. Through a mixture of theory and 'real world' practice, you will learn how to assess organisational problems and to create the best computing solutions to solve the business needs. Featured modules include software development and management, usability engineering and process modelling, eBusiness, social media and other Web 2.0 technologies and simulation modelling feature. By specialising in Human Computer Interaction, you will learn about how to understand the user experience, and to use that understanding to help build systems that better meet users' needs.



WORK
PLACEMENTS

UCAS codes

Business Computing BSc (Hons)

NG14 3 years full-time

NGC4 4 years full-time with placement

Business Computing (eBusiness) BSc (Hons)

NI11 3 years full-time

NIC1 4 years full-time with placement

Business Computing (Human Computer Interaction) BSc (Hons)

NGD4 3 years full-time

NGCK 4 years full-time with placement

Apply at www.ucas.com

Entry criteria

BBB (A-level), DDD (BTEC), 30 points (IB)

For detailed subject and grade requirements, visit our website.

Business Computing (Social Media) BSc (Hons)

Social media is one of the biggest technology stories of the 21st century. On this course you'll learn about how IT and computer-based systems help businesses, before specialising in the technologies such as Skype, Facebook and Twitter in your final year. You will gain a thorough understanding of how information technology and computer-based systems help businesses. Through a mixture of theory and 'real world' practice, you will learn how to assess organisational problems and to create the best computing solutions to solve business needs. By specialising in social media, you'll learn about how the internet has rapidly evolved to accommodate services and technologies which are all being exploited by companies for commercial purposes.

What you'll learn (*typical modules*)

Level 1

Modules: Software Design; Software Implementation Event; Group Project Reflection; Fundamental Programming Assessment; Data and Information Assessment; Information Systems and Organisations; Logic and Computation

Level 2

Modules: Group Project; Software Development and Management; Usability Engineering; Business Analysis and Process Modelling; ICTs in Society

Level 3

Compulsory modules: Business Computing Project; Advanced Topics in Business Computing

Optional modules: eBusiness; Human Computer Interaction; Social Media; Software Project Management; Cybersecurity



WORK
PLACEMENTS

UCAS codes

Business Computing (Social Media) BSc (Hons)

NGDK 3 years full-time

NGCL 4 years full-time with placement

Apply at www.ucas.com

Entry criteria

BBB (A-level), DDD (BTEC), 30 points (IB)

For detailed subject and grade requirements, visit our website.

Getting ready for work

Our strong networks and links with the industry give you access to a great choice of high-quality, professional industrial placements that are supported by our on-campus Professional Development Centre. Our Business Computing graduates go on to careers such as software developer, business analyst, web developer, technical architect or helpdesk engineer. Recent graduates have taken up roles with companies such as Accenture, BP, FDM, the BBC and Wipro.





Design

Realising fantastic design ideas in the real world is what Design at Brunel is all about. Design involves understanding humans and problems, innovation and communication. It's about understanding language, whether that language is mechanical engineering, graphic design or human behaviour.

What you want to communicate, and who you want to communicate with, will determine the language you will use. As a contemporary design professional, you'll take your place alongside all the other professionals involved in creating a product or service. You'll need to understand the skills and expertise each brings, drawing them together as you create your design solutions.

- ▶ **Industrial Design and Technology BA (Hons)**
- ▶ **Product Design BSc (Hons)**
- ▶ **Product Design Engineering BSc (Hons)**

Why study Design at Brunel?

Our Design degrees are among the most respected in Europe and our students and graduates win national and international design awards.

During your time with us, you'll build up a comprehensive design portfolio showing the development of your thinking via research, analysis, concept generation, development, testing, evaluation and final design solutions.

You'll have the opportunity to showcase your final year projects at our annual Made in Brunel graduate show with awards presented by partners including Santander and the James Dyson Foundation. You'll benefit from modern facilities that include dedicated studio spaces, metal, machinery, digital sketching, CAD modelling, and 3D printers in the Design Fabrication Laboratory.

Over 89% of our students undertake a placement year with leading companies and consultancies. Students frequently work on collaborative projects with our partners, including British Airways, BAE Systems, Bosch, Canon, Jaguar Land Rover, Marks & Spencer and Reckitt Benckiser.

www.brunel.ac.uk/design

“At Brunel we develop designers who have the practical ability to realise their design solutions by integrating their understanding of technological issues and human behaviour.”

Dr Marco Ajovalasit, Reader in Design



Our students and graduates have established themselves in the field by winning major awards such as the MIT Inventor of the Year, the Heatrae Sadia Design Award and the New Designers Mars Chocolate Design Thinking Award.

Industrial Design and Technology BA (Hons)

On this course you'll develop the skills required to understand 'total design', from the function of products through to their external values.

This course suits creative and practical thinkers who prefer to learn through building and evaluating project-based challenges, with less theory and quantitative analysis.

Teaching on the course is modular, covering subjects from the creative to the socio-economic and the technical. You'll share modules with other Design students in the first year, giving you a sound grounding in technological and creative subjects before you move on to more specialised areas.

You'll also undertake a major specialised project. This can be based on personal experience or the result of collaboration with a business or charity.



WORK
PLACEMENTS



STUDY
ABROAD

UCAS codes

Industrial Design and Technology BA (Hons)

HW72 3 years full-time
HWR2 4 years full-time with placement

Apply at www.ucas.com

Entry criteria

ABB (A-level), D*DD (BTEC), 31 points (IB)

For detailed subject and grade requirements, visit our website.

What you'll learn (typical modules)

Level 1

Modules: Design Process 1; Graphic Communication; Materials with Manufacturing; Creative Engineering Practice; Product Analysis

Level 2

Modules: Design Process 2; Design Communication; Design for Manufacture; Systems Design; Design Applications

Level 3

Compulsory modules: Major Project; Design and Innovation, Management and Process; Contextual Design

Optional modules: Environmentally Sensitive Design; Human Factors; Graphic Communication 3

Getting ready for work

To help you prepare for the world of work, we'll encourage you to take the placement option, incorporating a year spent in industry. A placement can be the start of a strong relationship between you and your host company.

In Level 3, the Design and Innovation, Management and Process module helps you get ready for work by introducing you to management techniques, generic product analysis and business plan development.

Our graduate designers are highly valued in the industry, working around the world for organisations where excellence in design is crucial to the brand, including Apple, Dyson and Virgin Atlantic.



Product Design BSc (Hons)

This course suits pragmatic problem solvers who combine numeracy with creative motivation and who also have an understanding of function and commercially viable manufacture. The programme will build your competencies with technical and ergonomic design challenges.

Your first year will give you a sound grounding in technological and creative subjects before you move on to more specialised areas.

Final year projects range from the development of consumer products to medical applications and services that are optimised for inclusive design.

The Human Factors module in Level 3 is unique to this course. It introduces the human-centred design process, enabling you to identify alternative design solutions.

You'll also undertake a major specialised project. This can be based on personal experience or the result of collaboration with a business or charity.

Product Design Engineering BSc (Hons)

This course bridges the worlds of design and engineering, producing true hybrid professionals ready for employment as design engineers and product development specialists. You'll develop your knowledge of dealing with the fundamental principles of product design, engineering and manufacture.

Your first year will give you a sound grounding in technological and creative subjects before you move on to more specialised areas.

The Computer-based Design Methods module in Level 3 is unique to this course. You'll become familiar with Computer Aided Design, Engineering and Manufacturing software, applying these methods and tools to design practice.

You'll also undertake a major specialised project. This can be based on personal experience or the result of collaboration with a business or charity.


What you'll learn (typical modules)

Level 1


Modules: Design Process 1; Graphic Communication; Materials with Manufacturing; Mechanics for Design; Electronics and Mathematics

Level 2

Modules: Design Process 2; Design Communication; Design for Manufacture; Dynamics, Mechanisms and Stress Analysis; Electronics, Programming and Interfacing



WORK
PLACEMENTS



STUDY
ABROAD

UCAS codes

Product Design BSc (Hons)

H772 3 years full-time
H776 4 years full-time with placement

Product Design Engineering BSc (Hons)

WH27 3 years full-time
WHF7 4 years full-time with placement

Apply at www.ucas.com

Entry criteria

ABB (A-level), D*DD (BTEC), 31 points (IB)

For detailed subject and grade requirements, visit our website.

Level 3

Compulsory modules: Major Project; Design and Innovation, Management and Process; Human Factors (Product Design BSc only); Computer-based Design Methods (Product Design Engineering BSc only)

Optional modules: Contextual Design; Environmentally Sensitive Design; Embedded Systems for Design; Graphic Communication 3

Getting ready for work

To help you prepare for the world of work, we'll encourage you to take the placement option, incorporating an industry placement year. A placement can be the start of a strong relationship between you and your host company.

In Level 3, the Design and Innovation, Management and Process module introduces you to management techniques, generic product analysis and business plan development.

Our product design and product design engineering graduates are highly valued in the industry, working for established companies, including Dyson, Disney, JCB, Jaguar Land Rover, Philips and Cambridge Consultants.



Digital Media

Digital media practitioners are the architects and implementers of the technological revolution in digital media and are in great demand throughout industry, commerce and the public sector.

Our courses combine digital technologies and creative design skills by integrating aspects of IT, media, design and communication.

- ▶ **Digital Design BSc (Hons)**
- ▶ **Visual Effects and Motion Graphics BSc (Hons)**

Why study Digital Media at Brunel?

We invest in state-of-the-art digital media production facilities. These include a VFX green screen studio, motion capture, sound and photographic studios, 4K video cameras, a dedicated render farm and computing facilities.

Our software is regularly updated with the latest industry-standard tools. This includes graphic design and image/video editing, 3D animation, digital compositing and rich interactive content creation.

We believe our industry links are vital to our graduates' future employment. Several of our modules feature guest lectures as an integral part of your studies. Speakers include creative and design directors, user experience designers, 3D graphic supervisors and mobile and web developers.

Some major assignments are set and run in conjunction with industry, providing you with real-world challenges.

www.brunel.ac.uk/digital-media

“The creative industries are one of the biggest growing sectors in the UK. Our digital media courses aim to provide students with the creative and technical skills to fill this demand. Brunel is ideally located close to London's creative sector including leading companies in digital design, visual effects, TV and film production, and post production.”

Steve Cockett, Director of Teaching



Digital Design at Brunel has the Creative Skillset Tick - the quality mark for excellence in training and education in the creative industries.

Digital Design BSc (Hons)

Brunel's Digital Design BSc is a unique, multidisciplinary degree focusing on the intersection of the arts and sciences – a place where ground-breaking ideas and new forms of creativity can be generated. The course combines digital technology and creative design to provide an intellectually and creatively challenging programme with strong emphasis on practical work.

You'll be taught and assessed in a variety of ways. These include written, practical and creative design assignments, studio work, case studies, presentations and live industry briefs.

Our graduates go on to work in design, development, marketing and management positions across the world. They have roles as information architects, motion graphics designers, web designers/developers, digital managers, user-experience architects, 3D graphic artists, eCommerce developers, videographics content designers, multimedia consultants, game designer/developers and educational developers.

Many graduates become self-employed, either as freelance designers or by setting up their own companies.

What you'll learn (typical modules)

Level 1

Modules: Creativity for Digital Media Design; Digital Photography; Digital Graphics; Web Design; Business for the Creative Industries; Programming for Digital Media 1; Introduction to Video Production; Digital Design Theory; Web Design and Development; Interaction Design and Usability; Programming for Digital Media 2

Level 2

Modules: Applied Media Aesthetics 1; Marketing and Professional Development; 3D Design; Experimental Digital Futures; Data Modelling; Design for Mobile; Applied Media Aesthetics 2; Design Practice; 3D Animation; Server-Side Web Development; Mobile Web Development

Level 3

Compulsory modules: Working in the Digital Creative Industries; Major Project

Optional modules: Rigging and Motion Capture; Effects Animation; Digital Experiences; Graphics



UCAS codes

Digital Design BSc (Hons)

H6W2 3 years full-time

H6WG 4 years full-time with placement

Apply at www.ucas.com

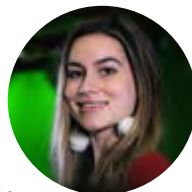
Entry criteria

BBB (A-level), DDD (BTEC), 30 points (IB)

For detailed subject and grade requirements, visit our website.

“I remember feeling welcomed from my first day. The lecturers are very friendly and positive in setting time aside to offer additional help and resources in times of difficulty. I feel very fortunate to have met a diverse range of people and form friendships and networking contacts. I enjoyed the 3D modules the most and am currently working on a short, entertaining animation for my dissertation.”

Gloriya Draganova, Digital Design BSc



Getting ready for work

If you opt for a placement course, you'll go on a year's industrial placement supported by our on-campus Professional Development Centre.

The placements benefit from our location close to central London, the heart of the UK's digital media industry. Placements are highly valued by employers and our partners include Coca-Cola Enterprises, Disney, Canon, Microsoft, Amazon and the Wellcome Trust. Many of our students are offered jobs with their placement companies on graduation.

Visual Effects and Motion Graphics BSc (Hons)

Visual Effects (VFX) is one of the fastest growing creative industries in the world and it's an area where creativity meets high technology. We believe our course is unique in the UK in its aims to develop both the technical and the creative skills required by the visual effects and motion graphics sector within the entertainment and creative industries.

At Brunel, we combine a study of visual effects with motion graphics so you can study a wide range of subjects spanning animation, storytelling, graphic design, 3D graphics and animation, video production, and compositing. You'll create state-of-the-art motion graphics, visual effects and 3D for digital TV, film, online and other applications.

Our course will suit those seeking a varied career path with a variety of visual and technological skills.

You'll develop your individual creative ability along with technical knowledge and practical skills. You'll also develop an understanding of historical, cultural, political, legal, business, economic and technological contexts; the visual arts, graphic design, film and related fields and their application in the VFX industry; emerging computing and communication hardware and software; and how to work with clients, collaborators and users.

What you'll learn (typical modules)

Level 1

Modules: Creativity for Digital Media Design; Digital Photography; Digital Graphics; Web Design; Business for the Creative Industries; Programming for Digital Media 1; Introduction to Video Production; Digital Design Theory; Introduction to Post Production; CGI Foundation for Visual Effects; Acquisition for Visual Effects

Level 2

Modules: Motion Graphics Applications; Applied Media Aesthetics 1; Programming for the Moving Image; Visual Effects Compositing; Experimental Digital Futures; Marketing and Professional Development; Motion Graphics Design; Applied Media Aesthetics 2; 3D Animation; CGI Digital Environments; 3D Matchmoving

Level 3

Compulsory modules: Major Project; Working in the Digital Creative Industries

Optional modules: Rigging and Motion Capture; Effects Animation; Digital Experiences; Graphics; Advanced Motion Graphics



UCAS codes

Visual Effects and Motion Graphics BSc (Hons)

HW62 3 years full-time

HW6F 4 years full-time with placement

Apply at www.ucas.com

Entry criteria

BBB (A-level), DDD (BTEC), 30 points (IB)

For detailed subject and grade requirements, visit our website.

Getting ready for work

If you opt for a placement course, you'll go on a year's industrial placement supported by our on-campus Professional Development Centre. Students are placed at companies such as Peerless, Peter Anderson Studio and 87 seconds. While you are on the placement, you'll develop a portfolio of commercial work. Our location close to central London, the world's centre for the VFX and design industries, means that there is a wide variety of placements available.

Our graduates are working as motion designers, 3D artists, post-production artists and composers. As well as taking on full-time employment, many graduates become freelancers or set up their own companies.





Electronic and Electrical Engineering

Our Electronic and Electrical Engineering programmes provide students with a wide range of fundamental and transferable skills. Our courses are industry-led and focus on currently important themes relevant to electric vehicle technology, embedded real-time systems and the 'Internet of Things'.

Electronic equipment and products are a vital part of our daily lives, from mobile phones and computers, to highly sophisticated diagnostic equipment used in hospitals and state-of-the-art fibre optic communications systems.

Computers, telecommunication systems and consumer electronics are advancing at a fast pace. Electronic and microelectronic embedded systems are at the core of these developments and there is a rapidly growing demand for well-qualified scientists and engineers.

- ▶ **Computer Systems Engineering BEng/MEng (Hons)**
- ▶ **Electronic and Communications Engineering BEng/MEng (Hons)**
- ▶ **Electronic and Computer Engineering BEng/MEng (Hons)**
- ▶ **Electronic and Electrical Engineering BEng/MEng (Hons)**
- ▶ **Electrical Engineering with Renewable Energy Systems MEng (Hons)**

Why study Electronic and Electrical Engineering at Brunel?

Our courses will give you the design, analytical and transferable creative and leadership skills to play a leading role in the rapidly expanding technological industries. You'll have access to the most current commercial software available, as used in the electronics industry. We also have excellent laboratory facilities in analogue and digital electronics, computer systems and networks, signal processing, communication, sensors, power and control.

Many of the different courses share a common first year. You can then re-evaluate your original course choice at the end of Level 1 and, if you wish, you can switch to another course.

www.brunel.ac.uk/electronic-and-electrical-engineering

“ Electronic and Electrical Engineering at Brunel has a long tradition of providing engineering programmes that develop highly employable graduates. Our programmes engage students in challenging learning, while encouraging them to develop their own concepts and skills through peer interaction and industry-relevant project work. Individual and group innovation and entrepreneurialism are encouraged and fostered. ”

Professor Peter Hobson, Head of Department



Brunel is ranked a leading engineering university in the UK. (U.S. News and World Report, Best Global Universities 2017)

Computer Systems Engineering BEng (Hons)/MEng (Hons)

We live in the age of 'any device, anytime, anywhere' computing. Technology, communications and consumer electronics are rapidly evolving, and computer systems are central to our everyday interaction, be it a large-scale distributed system based on the internet or an embedded system in a consumer electronic device such as a mobile phone.

The demand for expertise in these fields is also rapidly growing. The very nature of the technologies that underpin computer systems means that you need not only to understand state-of-the-art developments in hardware and software, but also to have developed the necessary skills and ability to design computer systems in every aspect of commerce and industry.

Our course develops professional engineers with the knowledge, understanding, intellectual and technical skills to work and research in computer systems engineering. You'll be able to design, integrate and develop technological solutions for the next generation of computer engineering systems.

The course shares some content with the electronic engineering degrees but with more focus on computing. This includes programming and software engineering; computer architecture and applications; data networks and communications; digital electronics and embedded systems.

What you'll learn (typical modules)

Level 1

Modules: Digital Systems and Microprocessors; Web Design and Development; Problem Solving and Programming; Fundamental Mathematics for Engineers; Computer Systems Workshop; Discrete Mathematics for Engineers; Internet and Network Technologies; Interaction Design and Usability; Programming for Digital Media 2

Level 2

Modules: Data Networks, Services and Security; Computer Architecture and Interfacing; Digital Systems Design and Reliability Engineering; Multimedia Content Analysis and Delivery; Object Oriented Systems and Programming; Engineering Group Design Project; Management

Level 3

Compulsory modules (BEng): Individual Project; High Performance Computing

Optional modules (BEng): Software Engineering and Technology; Design of Intelligent Systems; Network Design and Advanced Data Security; Advanced Digital Systems

Modules (MEng): Individual Project and Project Management; Design of Intelligent Systems; Network Design and Advanced Data Security; Distributed Systems and Computing; Advanced Digital Systems



WORK
PLACEMENTS

UCAS codes

Computer Systems Engineering BEng (Hons)

GH56 3 years full-time

GH5P 4 years full-time with placement

Computer Systems Engineering MEng (Hons)

G600 4 years full-time

GH5Q 5 years full-time with placement

Apply at www.ucas.com

Entry criteria

Computer Systems Engineering BEng (Hons)
BBB (A-level), DDD (BTEC), 30 points (IB)

Computer Systems Engineering MEng (Hons)
AAB-ABB (A-level), D*D*D (BTEC), 33 points (IB)

For detailed subject and grade requirements, visit our website.

Level 5 (MEng)

Compulsory modules: Major Group Project; Embedded Systems Engineering; Innovation, Business and Enterprise for Engineers

Optional modules: Wireless Network Technologies; Network Design and Management; Intelligent Systems; Radio and Optical Communications; Communication Network Security

Getting ready for work

Industrial placements are integral to our undergraduate courses. A placement allows you to bring your studies to life, giving you excellent professional experience and contacts. Our geographical proximity to the highest concentration of the UK's information engineering and telecommunications industry - in London and along the M4 corridor - means our placement network is second to none.

Supported by our on-campus Professional Development Centre we have placed our students at high-profile companies including Intel, General Motors, BMW, Motorola, Arm, BlackBerry, 3M, Siemens, National Grid, IBM and Microsoft.

Our graduates have gone on to work for prestigious organisations including the BBC, Intel, Philips, Siemens, 3M and a variety of engineering companies.

Electronic and Communications Engineering BEng (Hons)/MEng (Hons)

We developed the Electronic and Communications Engineering courses in response to the needs of industry. This degree will give you advanced knowledge and skills in the design of complex electronic and communication systems.

On this course, you'll learn about state-of-the-art technology and develop advanced level knowledge and skills in the design of complex electronic and communication systems, equipping you to work at the forefront of all the major areas of electronic engineering.

We aim to produce graduates who are part of a high-tech elite: professionals with specialist understanding and communication skills who have a solid knowledge of electronic engineering as a whole.

You must have engineering potential and be someone who is analytical, creative, versatile and a logical problem solver - as well as being a forward-thinking realist.

What you'll learn (typical modules)

Level 1

Modules: Digital Systems and Microprocessors; Devices and Circuits; Electronic Engineering Workshop; Problem Solving and Programming; Fundamental Mathematics for Engineers; Further Engineering Mathematics; Engineering Science, Systems and Society

Level 2

Modules: Communication; Computer Architecture and Interfacing; Digital Systems Design and Reliability Engineering; Electronic Systems; Signals and Systems; Engineering Group Design Project; Management

Level 3

Compulsory modules (BEng): Individual Project; Advanced Electronics; Digital Communication Systems

Optional modules (BEng): Control Systems; Design of Intelligent Systems; Multimedia Digital Signal Processing; Advanced Digital Systems

Modules (MEng): Individual Project and Project Management; Digital Communication Systems; Multimedia Digital Signal Processing; Advanced Digital Systems; Advanced Devices and Electronic Systems Design

Level 5 (MEng)

Compulsory modules: Major Group Project; Innovation, Business and Enterprise for Engineers

Optional modules: Embedded Systems Engineering; Wireless Networks Technology; Radio and Optical Communication Systems; Computer Network; Network Design and Management; DSP for Communications; Intelligent Systems; Communication Network Security



WORK
PLACEMENTS

UCAS codes

Electronic and Communications Engineering BEng (Hons)

H693 3 years full-time

H690 4 years full-time with placement

Electronic and Communications Engineering MEng (Hons)

H692 4 years full-time

H691 5 years full-time with placement

Apply at www.ucas.com

Entry criteria

Electronic and Communications Engineering BEng (Hons)
BBB (A-level), DDD (BTEC), 30 points (IB)

Electronic and Communications Engineering MEng (Hons)
AAB (A-level), D*DD (BTEC), 31 points (IB)

For detailed subject and grade requirements, visit our website.

Getting ready for work

Industrial placements are integral to our undergraduate courses. A placement allows you to bring your studies to life, giving you excellent professional experience and contacts. Our geographical proximity to the highest concentration of the UK's information engineering and telecommunications industry - in London and along the M4 corridor - means our placement network is second to none. Supported by our on-campus Professional Development Centre we have placed our students at high-profile companies including Intel, General Motors, BMW, Motorola, Arm, BlackBerry, 3M, Siemens, National Grid, IBM and Microsoft.

Our graduates have gone on to work for prestigious organisations including the BBC, Intel, Philips, Siemens, 3M and a variety of engineering companies.

Electronic and Computer Engineering
BEng/MEng (Hons)

Developed in response to the needs of industry, this degree will give you advanced level knowledge and skills in the design of complex electronic and microelectronic systems. Our Electronic and Computer Engineering course provides strong theoretical grounding in the factors that will form the future of electronic, microelectronics and computer systems. This is a traditional and broad-based course. From calculators to supercomputers, from telephones to global satellite communications, from dynamos to the national grid, you'll gain key knowledge and understanding. You'll do plenty of practical work, using our laboratory facilities in electronics, sensors, computer systems, computer networks and signal processing. You'll also have the opportunity to specialise in communications systems in your final year.

What you'll learn (typical modules)

Level 1

Modules: Digital Systems and Microprocessors; Devices and Circuits; Electronic Engineering Workshop; Fundamental Mathematics for Engineers; Problem Solving and Programming; Further Engineering Mathematics; Engineering Science, Systems and Society

Level 2

Modules: Computer Architecture and Interfacing; Digital Systems Design and Reliability Engineering; Electronic Systems; Signals and Systems; Object Oriented Systems and Programming; Engineering Group Design Project; Management

Level 3

Compulsory modules (BEng): Individual Project; Advanced Electronics; Advanced Digital Systems
Optional modules (BEng): Design of Intelligent Systems; Control Systems; Multimedia Digital Signal Processing; Software Engineering and Technology; Distributed Systems and Computing
Compulsory modules (MEng): Individual Project and Project Management; Advanced Devices and Electronic Systems Design; Multimedia Digital Signal Processing; Advanced Digital Systems
Optional modules (MEng): Software Engineering and Technology; Control Systems; Distributed Systems and Computing

Level 5 (MEng)

Compulsory modules: Major Group Project; Innovation, Business and Enterprise for Engineers; Embedded Systems Engineering
Optional modules: Intelligent Systems; Computer Networks; Analogue Integrated Circuit Design; Network Design and Management; DSP for Communications; Communication Network Security



- UCAS codes**
- Electronic and Computer Engineering BEng (Hons)
H604 3 years full-time
H6N6 4 years full-time with placement
 - Electronic and Computer Engineering MEng (Hons)
HGB4 4 years full-time
HG6L 5 years full-time with placement
- Apply at www.ucas.com

- Entry criteria**
- Electronic and Computer Engineering BEng (Hons)
BBB (A-level), DDD (BTEC), 30 points (IB)
 - Electronic and Computer Engineering MEng (Hons)
AAB (A-level), D*DD (BTEC), 31 points (IB)
- For detailed subject and grade requirements, visit our website.

Getting ready for work

Industrial placements are integral to our undergraduate courses. A placement allows you to bring your studies to life, giving you excellent professional experience and contacts. Our geographical proximity to the highest concentration of the UK's information engineering and telecommunications industry - in London and along the M4 corridor - means our placement network is second to none. Supported by our on-campus Professional Development Centre we have placed our students at high-profile companies including Intel, General Motors, BMW, Motorola, Arm, BlackBerry, 3M, Siemens, National Grid, IBM and Microsoft. Our graduates have gone on to work for prestigious organisations including the BBC, Intel, Philips, Siemens, 3M and a variety of engineering companies.

Electronic and Electrical Engineering
BEng/MEng (Hons)

Electronics equipment and products are becoming a vital part of our daily lives, from simple MP3 players, mobile phones and computers to highly sophisticated diagnostic equipment used in hospitals and state-of-the-art fibre optic communications systems. Computers, telecommunication systems and consumer electronics are advancing at a fast pace. Electronic and Electrical Engineering is a traditional and broad-based course which will develop you as a well-rounded engineer with a high level of analytical and engineering design skills. You'll develop a sound knowledge of all aspects of electronic and electrical engineering and related areas and examine the future of electronics, microelectronics and computer systems. You'll use the University's well-resourced labs and facilities in electronics, sensors, computer systems, computer networks and signal processing. You'll be taught in lectures, laboratory sessions, workshops and small group tutorials. You will also have one-to-one supervision for all your project work at each level. Our open-door policy means you can drop in for a chat or you can email lecturers with your questions.



- UCAS codes**
- Electronic and Electrical Engineering BEng (Hons)
H600 3 years full-time
H602 4 years full-time with placement
 - Electronic and Electrical Engineering MEng (Hons)
H601 4 years full-time
H603 5 years full-time with placement
- Apply at www.ucas.com

- Entry criteria**
- Electronic and Electrical Engineering BEng (Hons)
BBB (A-level), DDD (BTEC), 30 points (IB)
 - Electronic and Electrical Engineering MEng (Hons)
AAB-ABB (A-level), D*DD (BTEC), 31 points (IB)
- For detailed subject and grade requirements, visit our website.

What you'll learn (typical modules)

Level 1

Modules: Digital Systems and Microprocessors; Devices and Circuits; Electronic Engineering Workshop; Problem Solving and Programming; Fundamental Mathematics for Engineers; Further Engineering Mathematics; Engineering Science, Systems and Society

Level 2

Modules: Communications; Digital Systems Design and Reliability Engineering; Electrical Engineering and Sustainability; Electronic Systems; Signals and Systems; Engineering Group Design Project; Management

Level 3

Compulsory modules (BEng): Individual Project; Advanced Electronics
Optional modules (BEng): Design of Intelligent Systems; Digital Communication Systems; Control Systems; Power Electronics and Systems; Multimedia Digital Signal Processing; Advanced Digital Systems; Renewable Energy in Power Systems
Compulsory modules (MEng): Individual Project and Project Management; Advanced Devices and Electronic Systems Design
Optional modules (MEng): Control Systems; Power Electronics and Systems; Digital Communication Systems; Multimedia Digital Signal Processing; Advanced Digital Systems; Renewable Energy in Power Systems

Level 5 (MEng)

Compulsory modules: Major Group Project; Innovation, Business and Enterprise for Engineers; Analogue Integrated Circuit Design
Optional modules: Embedded Systems Engineering; Power Electronics and FACTS; Power System Stability and Control; DSP for Communications; Intelligent Systems; Radio and Optical Communication Systems; Communication Network Security

Getting ready for work

Brunel is located near many of the UK's information engineering and telecommunications companies. This gives us a network for high-quality industry placements that is second to none. Through a placement you'll bring your studies to life, develop excellent professional experience and gain valuable industry contacts. Previous students have been placed at companies like BMW and National Grid. These professional placements are supported by our on-campus Professional Development Centre. They look great on your CV and are highly valued by employers. Our graduates are working for prestigious organisations such as Philips, Siemens and a variety of engineering companies.

Electrical Engineering with Renewable Energy Systems MEng (Hons)

Renewable energy and the reduction of carbon emissions are at the top of the global agenda. This course addresses the fundamentals of renewable energy and how solar, wind, wave and other such energy sources can be efficiently integrated into practical power systems.

The curriculum is distinctive in that it provides a strong compulsory of teaching in power electronic converters, machines and control backed up with modules on power generation and electronic conversion with renewable energy sources.

The Electrical Engineering with Renewable Energy Systems MEng will develop you as an electrical engineer of the future. You'll be able to tackle issues associated with the operation, planning and management of sustainable electrical systems.

You will also be able to apply knowledge and skills effectively as you find solutions for problems associated with the design, integration and development of technology for modern electric power and power electronic systems.

What you'll learn *(typical modules)*

Level 1

Modules: Digital Systems and Microprocessors; Devices and Circuits; Electronic Engineering Workshop; Problem Solving and Programming; Fundamental Mathematics for Engineers; Further Engineering Mathematics; Engineering Science, Systems and Society

Level 2

Modules: Communications; Digital Systems Design and Reliability Engineering; Electrical Engineering and Sustainability; Electronic Systems; Signals and Systems; Engineering Group Design Project; Management

Level 3

Modules: Individual Project and Project Management; Advanced Devices and Electronic Systems Design; Control Systems; Power Electronics and Systems; Renewable Energy in Power Systems

Level 5 (MEng)

Compulsory modules: Major Group Project; Innovation, Business and Enterprise for Engineers

Optional modules: Energy Economics and Power; Power Electronics and FACTS; Power System Stability and Control; Sustainable Power Generation; Power System Analysis and Security; Power System Operation and Management



WORK PLACEMENTS

UCAS codes

Electrical Engineering with Renewable Energy Systems MEng (Hons)

H6H2 4 years full-time

H6HF 5 years full-time with placement

Apply at www.ucas.com

Entry criteria

AAB-ABB (A-level), D*DD (BTEC), 31 points (IB)

For detailed subject and grade requirements, visit our website.

Getting ready for work

Our geographical proximity to the highest concentration of the UK's information engineering and telecommunications industry - in London and along the M4 corridor - means our placement network is second to none.

Supported by our on-campus Professional Development Centre we have placed our students at high-profile companies including Intel, General Motors, BMW, Motorola, Arm, BlackBerry, 3M, Siemens, National Grid, IBM and Microsoft.

Our graduates have gone on to work for prestigious organisations including the BBC, Intel, Philips, Siemens, 3M and a variety of engineering companies.



BRUNEL STORIES

Kirsty leads the way in engineering

Brunel Civil Engineering with Sustainability (MEng) final year student Kirsty Greener has been awarded the Cadzow Smith Engineering prize by the Engineers Trust.

The award recognises and encourages leadership in engineering. It is based on a combination of academic ability, personality and initiative in engineering that will provide promise for the future.

In addition to Kirsty's great academic record, she received the award for her contributions to the wider community. Before starting at Brunel, Kirsty co-founded a charity called Loud and Proud; which gives young people the opportunity to help the local community through clean ups, residential home visits and events. Kirsty has also been active in Brunel's civil engineering society (CivSoc) and engaging students in STEM activities.

Kirsty said: "This is an amazing finale to my studies here and will help my career development as a well-rounded engineer. I am so grateful to Brunel for submitting me as their candidate and the support they have given me throughout my five years here."



Flood and Coastal Engineering

Flooding is an international problem affecting millions worldwide due to an increase in adverse weather events. It ruins homes, destroys livelihoods and threatens lives.

The Flood and Coastal Engineering programme equips you with essential skills, knowledge and industry experience for a successful engineering career in flood risk management.

To address the flood engineer skill shortage the Environment Agency commissioned Brunel and HR Wallingford, an independent civil engineering and environmental hydraulics organisation, to develop this ambitious range of courses. A minimum of 20 fully-funded places (including tuition fees and training allowance when on placement) are available at FdSc level, as well as continued support from the Environment Agency during the BSc top-up.

- ▶ **Flood and Coastal Engineering FdSc**
- ▶ **Flood and Coastal Engineering BSc (Hons)**

Why study Flood and Coastal Engineering at Brunel?

You'll be taught by internationally recognised, high-calibre staff, who are experts in their field. Our academics recently achieved recognition for their teaching excellency through the Teach Brunel College Awards. In addition, you will be taught by a number of expert staff from HR Wallingford.

There are world-class facilities at HR Wallingford, Brunel's Joseph Bazalgette Laboratory and Joseph Lowe Civil Engineering Research Centre.

You'll benefit from our strong links with industry partners. The suite of courses has been designed in close collaboration with the Environment Agency and HR Wallingford. All Environment Agency funded students are guaranteed placements with the Environment Agency or a risk management authority.

www.brunel.ac.uk/flood-and-coastal-engineering



“In times of increasingly severe weather patterns, coastal and fluvial flood risk as well as coastal erosion are on the rise, threatening both communities and habitats. Our Flood and Coastal Engineering course will prepare you for a dynamic civil engineering career, safeguarding communities and those most at risk.”

Dr Carola Koenig, Flood and Coastal Engineering Programme Lead and Course Director



There are a minimum of 20 Environment Agency fully-funded places for the FdSc programme with guaranteed placements. Funding at BSc and MSc level is also available.

Flood and Coastal Engineering FdSc

An interim award of our Flood and Coastal Engineering BSc programme, and a stand-alone programme. This two-year course leads to Engineering Technician professional status and is equivalent to Levels 1 and 2 of a BSc.

You can gain some industry experience first and take the BSc top-up at a later time.

Years 1 and 2 of the FdSc follow the same structure. You'll spend the first six months at Brunel followed by six months on placement. For students sponsored by the Environment Agency or a risk management authority in England, the placement will be with the sponsor and you'll receive a training allowance of £1,000 per month (HMRC tax and NI exempt) during each six-month placement. When you apply to the course, you'll be asked to indicate your preferred locations. There are a minimum of 20 sponsored places available for the Flood and Coastal Engineering FdSc, covering university tuition fees for the two-year course.

You will attend presentations by professionals, attend conferences such as Flood & Coast and Flood Expo, visit civil engineering schemes and Environment Agency sites. The one-week Summer School at HR Wallingford in Year 1 uses real engineering scenarios. You'll also have the chance to experience leading-edge engineering technologies developed at HR Wallingford.

What you'll learn (typical modules)

Level 1

Modules: Analytical Methods and Skills for Flood and Coastal Engineers; Surveying, Drawing, GIS and CAD; River and Coastal Engineering Science; Engineering and Environmental Materials; Project Management, Health and Safety Risk Management; Placement; Summer School HR Wallingford

Level 2

Modules: Structural and Geotechnical Design and Flood Defence Structures; Environmental Hydraulics and Design; River and Coastal Asset Management, Legal Matters and Governance; Hydrological Modelling and Flood Estimation; Civil Contingencies, Flood Resilience and Local Flood Risk Design; Placement



WORK
PLACEMENTS



FULLY
FUNDED

UCAS codes

Flood and Coastal Engineering FdSc

F856 2 years full-time

Entry criteria

BCC (A-level), DDD (BTEC), 28 points (IB)

For detailed subject and grade requirements, visit our website.



Flood and Coastal Engineering BSc (Hons)

Students can progress to the BSc following successful completion of the FdSc to gain an honours degree and the educational basis for Incorporated Engineer. Alternatively, you can gain some industry experience first and take the BSc top-up at a later time.

The BSc top-up will give you progressive experience and skills you need to become a successful engineer working to protect communities against flooding. Funded BSc top-up students on the part-time two-year course will complete this via block release whilst in employment with the Environment Agency or a risk management authority.

You will attend presentations by professionals, attend conferences such as Flood & Coast and Flood Expo, visit civil engineering schemes and Environment Agency sites. The one-week Summer School at HR Wallingford in Year 1 uses real engineering scenarios. You'll also have the chance to experience leading-edge engineering technologies developed at HR Wallingford.

What you'll learn (typical modules)

Level 3

Modules: Mathematics, Data Handling and Structural Engineering; River and Coastal Form, Process, Design and Environmental Assessment; Flood, Drought and Coastal Risk Management; Research Report; Summer School at HR Wallingford



WORK
PLACEMENTS

UCAS codes

Flood and Coastal Engineering BSc (Hons)

F857 1 year full-time

This course is also available to study part-time (2 years). Visit our website to apply online.

Entry criteria

Successful completion of a FdSc Flood or River and Coastal Engineering programme in the UK.

For detailed subject and grade requirements, visit our website.

Getting ready for work

We place strong emphasis on employability and preparing students to be ready for work. Roles for Flood and Coastal Engineering BSc graduates include: Building detailed flood models to describe flood risk; developing and building flood protection schemes; maintaining and enhancing rivers and flood risk assets; providing expert advice about waves, estuarine, coastal, river and surface water flood risk; delivering a 24/7 incident response service; providing advice and guidance to communities at risk; flood risk management authorities and developers.

As the sponsor of the programme, the Environment Agency aims to secure a continual intake of high-calibre graduates to become the flood engineers of the future. There are also opportunities with other flood risk management authorities, non-governmental organisations and civil engineering companies.



Mathematics

Brunel's Department of Mathematics focuses on equipping you with a wealth of mathematical knowledge and understanding that you can apply to the worlds of science, technology, business or wherever else your interests lie.

Mathematics is a fundamental subject that is constantly developing and a discipline in its own right. It supplies the theory behind countless commercial, industrial and technological activities. Mathematical models underpin engineering, the applied sciences, computing and many aspects of management. On our programmes, you'll develop in-depth knowledge and understanding as well as excellent study skills that will be hugely valuable whatever career path you follow after graduation.

- ▶ **Mathematics BSc/MMath (Hons)**
- ▶ **Financial Mathematics BSc/MMath (Hons)**
- ▶ **Mathematics and Statistics with Management BSc (Hons)**
- ▶ **Mathematics with Computer Science BSc (Hons)**
- ▶ **Mathematics and Computing with an Integrated Foundation Year**

Why study Mathematics at Brunel?

Studying Mathematics at Brunel means you'll be working with staff who are internationally recognised for their subject knowledge. They are involved in research programmes that are informed by modern problems in science, technology and business and often work in collaboration with companies.

We have strong connections with industry. Previous students have undertaken placements at top UK companies such as Bupa, Debenhams, HSBC, IBM, Thomson Reuters, Unilever and Virgin Trains.

You can select our general Mathematics course or opt for one of the specialist pathways. If you're not sure which programme to follow, that's fine. You'll have the chance to change after the course starts.

You'll be taught in small groups of about 20 students for the first few weeks to help you to adapt to the demands of university study, and extra support is available if you need it. Lectures will provide a broad overview of key concepts and ideas, giving you a framework for more in-depth study.

www.brunel.ac.uk/mathematics

“Our degrees have a strong focus on building employability skills. We want our students to thrive, not just while they are with us but also after they graduate.”

Rhiannon Hall, Lecturer in Mathematics



**Mathematics at Brunel is ranked 3rd in London.
(Complete University Guide 2018)**

Mathematics BSc/MMath (Hons)

Our Mathematics BSc/MMath courses will develop your knowledge, understanding and expertise in a range of mathematical methods, giving you a broad understanding of mathematics at an advanced level.

The MMath course offers you the chance to graduate with a master's degree that follows on from your undergraduate studies. You'll be able to study in-depth those areas of mathematics that most appeal to you.

You'll study many aspects of pure and applied mathematics alongside general concepts of mathematical modelling. This course will develop skills you can use across a range of industries and, with its focus on group and project work, you'll be well prepared for the world of work.

In Level 1, you'll undertake three projects on topics that illustrate some of the diverse applications of mathematics to the real world. In Level 3, you'll produce a substantial research project under the guidance of a tutor. MMath students will have the opportunity to build upon this achievement in Level 5.

What you'll learn (typical modules)

Level 1

Modules: Essential Mathematics; Advanced Mathematics I; Mathematical and Computational Skills; Geometry and Applications; Computing Projects and Mechanics; Probability and Statistics

Level 2

Modules: Multivariable Mathematics; Advanced Mathematics II and Numerical Methods; Algebra and Analysis; Vector Calculus and Applications; Probability and Statistics II; Operational Research; Probability and Statistics; Numerical Analysis Project; Statistics Project

Level 3

Compulsory modules: Project (BSc and MMath); Complex Variable Methods and Applications (MMath)
Optional modules: Ordinary and Partial Differential Equations; Encryption and Data Compression; Numerical Methods for Differential Equations; Statistics III; Stochastic Models; Risk and Optimisation for Financial Planning; Complex Variable Methods and Applications (BSc); Financial Mathematics (MMath)

“I wasn't sure what I wanted to do before I came to Brunel but because of the broad-based first year I was able to see where my interests lie. Now I can't wait to go on placement next year!”

Ruthie Parsons, Mathematics MMath



UCAS codes

Mathematics BSc (Hons)

G103 3 years full-time
G104 4 years full-time with placement

Mathematics MMath (Hons)

G100 4 years full-time
G101 5 years full-time with placement

Apply at www.ucas.com

Entry criteria

Mathematics BSc (Hons)

BBB (A-level), DDD plus A-level Mathematics or Further Mathematics (BTEC) , 30 points (IB)

Mathematics MMath (Hons)

ABB (A-level), n/a (BTEC), 31 points (IB)

For detailed subject and grade requirements, visit our website.

Level 5 (MMath)

Compulsory modules: Advanced Project; Advanced Mathematical Methods; Numerical and Variational Methods for Partial Differential Equations

Optional modules: Probability and Stochastics; Option Pricing Theory; Financial Computing I; Mathematical Theory of Dynamic Asset Pricing; Financial Computing II; Time Series Modelling; Topics in Combinatorics; Spectral Theory; Fluid Mechanics; Solid Mechanics; Dynamical Systems and ODEs; Mathematical Biology; Random Matrix Theory; Computer Intensive Statistical Methods; Modern Regression and Classification; Network Models

Getting ready for work

If you choose the industrial placement option, you'll benefit from a year's paid work experience - something that is highly valued by employers. Students have completed their placements at UK companies such as Accenture, Bosch, Disney, GSK, Microsoft, the NHS, Unilever and Xerox.

To help you get ready for work, we run popular employability skills workshops for all students. Topics include CV writing, job applications and cover letters and testing centres. You can also attend talks by former students and employers on how to succeed in the job market.

Our graduates have gone on to careers with companies including Accenture, IBM, PricewaterhouseCoopers, Bank of New York, Coca-Cola, and the BBC.

Financial Mathematics BSc/MMath (Hons)

This course is for mathematicians who want to work in the fast-moving worlds of finance or commerce. Two thirds of the course content focuses on developing your mathematical knowledge and skills. The rest of the course covers financial markets, corporate investment and finance.

The MMath course offers you the chance to graduate with a master's degree that follows on from your undergraduate studies. You'll be able to study in-depth those areas of mathematics that most appeal to you. In Level 1, you'll undertake three projects on topics that illustrate some of the diverse applications of mathematics to the real world.

In Level 3, you'll produce a substantial research project under the guidance of a tutor. MMath students will have the opportunity to build upon this achievement in Level 5.

What you'll learn (typical modules)

Level 1

Modules: Essential Mathematics; Advanced Mathematics I; Mathematical and Computational Skills; Probability and Statistics; Financial Markets; Introduction to Data Handling for Finance

Level 2

Modules: Multivariable Mathematics; Advanced Mathematics II and Numerical Methods; Probability and Statistics II; Operational Research, Probability and Statistics; Numerical Analysis Project; Statistics Project; Elements of Investment Mathematics; Computing for Finance

Level 3

Compulsory modules (BSc): Project; Mathematical Finance; Stochastic Models

Optional modules (BSc): Ordinary and Partial Differential Equations; Numerical Methods for Differential Equations; Statistics III; Risk and Optimisation for Financial Planning

Compulsory modules (MMath): Project; Mathematical Finance; Stochastic Models; Numerical Methods for Differential Equations; Risk and Optimisation for Financial Planning

Level 5 (MMath)

Compulsory modules: Advanced Project; Numerical and Variational Methods for Partial Differential Equations; Risk Simulation and Decision Analysis

Optional modules: High Performance Computing; Linear and Nonlinear Filtering in Financial Time Series Models; Classification Models; Asset Allocations Strategies



UCAS codes

Financial Mathematics BSc (Hons)

GN13 3 years full-time
GND3 4 years full-time with placement

Financial Mathematics MMath (Hons)

GN1H 4 years full-time
GH1J 5 years full-time with placement

Apply at www.ucas.com

Entry criteria

Financial Mathematics BSc (Hons)

BBB (A-level), DDD (BTEC), 30 points (IB)

Financial Mathematics MMath (Hons)

ABB (A-level), n/a (BTEC), 31 points (IB)

For detailed subject and grade requirements, visit our website.

Getting ready for work

There is massive demand within financial institutions for mathematically trained graduates with an awareness of markets and their workings. The recent combination of financial deregulation, increased globalisation and technological advance has led to a huge increase in the nature and volume of financial derivatives contracts traded around the world.

You could gain a year's paid work experience by choosing the placement year option. Our placement team has strong connections with industry and students have completed their placements at top UK companies such as Accenture, Bosch, Disney, GSK, Microsoft, the NHS, Unilever and Xerox.

To help you get ready for work, we run popular employability skills workshops for all students.

Our graduates have gone on to careers with Accenture, Bank of New York, BAE Systems, the BBC, BT, Coca-Cola, Deutsche Bank, Deloitte and Touche, Ernst and Young, HSBC, IBM, Kodak, Lloyds, Merrill Lynch, Nortel, PricewaterhouseCoopers, Santander, Xerox and Virgin Trains.

Mathematics and Statistics with Management BSc (Hons)

Using mathematics to solve industrial and commercial problems has led to vital breakthroughs for human advancement. Mathematical models underpin engineering, the applied sciences, computing and many aspects of management today.

The course focuses on how mathematics can solve industrial and commercial problems. You'll develop a broad knowledge of general management alongside applicable skills and knowledge in mathematics and statistics. In Level 1, you'll undertake three projects on topics that illustrate some of the diverse applications of mathematics to the real world. In Level 3, you'll produce a substantial research project under the guidance of a tutor.

What you'll learn (typical modules)

Level 1

Compulsory modules: Essential Mathematics; Advanced Mathematics I; Mathematical and Computational Skills; Probability and Statistics; Organisational Behaviour and Analysis

Optional modules: Introduction to Accounting; Principles and Practice of Marketing

Level 2


Compulsory modules: Multivariable Mathematics; Advanced Mathematics II and Numerical Methods; Probability and Statistics II; Operational Research, Probability and Statistics; Numerical Analysis Project; Statistics Project; Critical Perspective in Management

Optional modules: Managing Change and Creativity in Organisations; Human Resource Management and its International Dimension; Management Accounting – Planning and Control

Level 3

Compulsory modules: Project; Risk and Optimisation for Financial Planning

Optional modules: Ordinary and Partial Differential Equations; Encryption and Data Compression; Numerical Methods for Differential Equations; Statistics III; Stochastic Models; Entrepreneurship and Small Business Ventures; Gender in Organisations; Strategic Management; Strategic Financial Management; Business Ethics, Environment Sustainability and Governance; Innovation and Knowledge Management



WORK PLACEMENTS

UCAS codes

Mathematics and Statistics with Management BSc (Hons)

G1NG 3 years full-time
G1NF 4 years full-time with placement

Apply at **www.ucas.com**

Entry criteria

BBB (A-level), DDD plus A-level Mathematics or Further Mathematics (BTEC), 30 points (IB)

For detailed subject and grade requirements, visit our website.

Getting ready for work

The combination of mathematical skills and business knowledge means you'll have excellent career prospects, particularly in accountancy, banking, finance, IT and management. You could choose to use your specialist skills in any industry that uses modelling, simulation, cryptography, forecasting, statistics, risk analysis and probability.

We'll encourage you to choose the industrial placement option as this will give you a year's paid work experience. Our placement team has strong connections with industry and former students have completed their placements at UK companies such as Bupa and Virgin Trains.

To help you get ready for work, we run popular employability skills workshops. Topics include CV writing, job applications, cover letters and testing centres. You'll also have the opportunity to attend talks by former students and employers on how to succeed in the job market. Our graduates have gone on to careers with companies including PricewaterhouseCoopers and Xerox.



Mathematics with Computer Science BSc (Hons)

This course is for mathematicians who also want to become skilled in modern-day computing and information systems.

Mathematical and computational techniques underpin much of modern science, technology and business. This course emphasises the aspects of modern algebra that relate to computer science, and includes much numerical analysis of mathematical problems.

In Level 1, you'll tackle three projects on topics that illustrate some of the diverse applications of mathematics to the real world. Around two thirds of the course content concentrates on mathematics, with the rest focused on computer science. You can increase the number of computer science subjects you study in Level 3. You could, for example, specialise in modern encryption methods used to protect internet transactions.

In Level 3, you'll also produce a substantial research project under the guidance of a tutor.

What you'll learn (typical modules)

Level 1

Modules: Essential Mathematics; Advanced Mathematics I; Mathematical and Computational Skills; Probability and Statistics; Fundamental Programming; Logic and Computation


Level 2

Modules: Multivariable Mathematics; Advanced Mathematics II and Numerical Methods; Probability and Statistics II; Operational Research, Probability and Statistics; Numerical Analysis Project; Statistics Project; Software Development and Management; Algorithms and their Applications

Level 3

Compulsory modules: Project; Artificial Intelligence; Software Engineering

Optional modules: Ordinary and Partial Differential Equations; Encryption and Data Compression; Numerical Methods for Differential Equations; Statistics III; Stochastic Models; Risk and Optimisation for Financial Planning



WORK PLACEMENTS

UCAS codes

Mathematics with Computer Science BSc (Hons)

G1GL 3 years full-time
G1GK 4 years full-time with placement

Apply at **www.ucas.com**

Entry criteria

BBB (A-level), DDD plus A-level Mathematics for the BSc (BTEC), 30 points (IB)

For detailed subject and grade requirements, visit our website.

Getting ready for work

A degree combining mathematics and computer science will make you a strong candidate for a career in many industries, such as finance, research, design, business and IT.

We'll encourage you to choose the industrial placement option as this will give you a year's paid work experience. Our placement team has strong connections with industry and former students have completed their placements at UK companies such as Bupa and Virgin Trains.

To help you get ready for work, we run popular employability skills workshops for all students. Topics include CV writing, job applications, cover letters and testing centres.

You'll also have the opportunity to attend talks by former students and employers on how to succeed in the job market. Our graduates have gone on to careers with companies including the Bank of New York, Ernst and Young, HSBC, PricewaterhouseCoopers and Xerox.



Mathematics and Computing with an Integrated Foundation Year

Mathematics and Computing with an Integrated Foundation Year will introduce you to these two fascinating and wide-ranging subjects.

A key aim of the course is to help you to discover where your interests lie. You might opt for computer science and work with ever more sophisticated computer technology and information systems. Or you may find yourself drawn to mathematics where you will learn to model and solve problems from the worlds of business, finance and science.

The foundation year is an integral part of the degree programme and eligible students can apply for funding from the Student Loans Company for the length of their course. We recommend that you apply for funding for the five-year programme, which can be reduced if you decide not to take a placement. As a foundation year student, you can also benefit from living on campus.

This full-time course will build on your existing qualifications and introduce you to the exciting and fast-moving disciplines of computing and mathematics. The foundation year covers material usually taught in A-level Mathematics and ICT, so you'll be well-equipped to begin a BSc programme in any of our mathematics or computing courses.

When you successfully pass the foundation year, you will progress to one of these Level 1 degree courses:

Computer Science:

- ▶ Computer Science BSc (Hons)
- ▶ Business Computing BSc (Hons)

See page 132 for further details on these courses.

Mathematics:

- ▶ Mathematics BSc (Hons)/MMath (Hons)
- ▶ Financial Mathematics BSc (Hons)/MMath (Hons)
- ▶ Mathematics and Statistics with Management BSc (Hons)
- ▶ Mathematics with Computer Science BSc (Hons)

See page 158 for further details on these courses.

UCAS code

Mathematics and Computing with an Integrated Foundation Year

G504 5 years full-time with placement

Apply at www.ucas.com

Entry criteria

CDD (A-level), DMM (BTEC), 25 points (IB)

For detailed subject and grade requirements, visit our website.

“This course has given me a deep understanding of all the different topics and courses I could go on to study next year. It is great for anyone who is not sure what they want to do as well as preparing you for university life.”

Shahar Mirza, Mathematics and Computing with an Integrated Foundation Year



Getting ready for work

Graduates from our department have gone on to work for research organisations or the government; or they have moved into teaching.

Many of our graduates work in the financial and marketing sectors with senior positions in areas such as consultancy and advertising. You'll find our graduates at companies including Microsoft, PricewaterhouseCoopers, Xerox and Virgin Trains. Others continue to postgraduate or professional qualifications.

What you'll learn (typical modules)

Level 0

Modules: Study Skills; Discrete and Decision Mathematics; Algebra A OR Algebra B

For progression onto a Computing degree: Introduction to Computing; Programming; Introduction to Artificial Intelligence

For progression onto a Mathematics degree: Calculus; Statistics; Introduction to Computing OR Economics





Mechanical Engineering

Mechanical Engineering is the most established subject area at Brunel. It provides a broad-based education in mechanical engineering and design.

Our annual Brunel Engineers event offers you the opportunity to demonstrate your final year work to fellow students and industry representatives. This exciting celebration brings together the creative minds of our students to showcase projects ranging from nano and micro engineering to larger scale locomotive and drone projects.

Our dynamic Brunel Racing student team compete in the Formula Student competitions every year and enter the TT zero electric motorcycle race on the Isle of Man. A new team initiative is the development of a Formula Student electric racing car.

- ▶ **Automotive Engineering BEng/MEng (Hons)**
- ▶ **Mechanical Engineering BEng/MEng (Hons)**

Why study Mechanical Engineering at Brunel?

Mechanical engineers deal with the design and production of the machines, systems and structures that are everywhere in the modern world. Our courses meet the needs of industry and reflect our world-class research interests, in particular in energy and environmental engineering; internal combustion engines and their fuels; and materials and manufacturing.

Our laboratory facilities are extensive, modern and well-equipped. They include the modern material/structure testing laboratory, professionally-designed motorsport workshop and state-of-the-art internal combustion engine laboratories. Industry-standard specialist software for engineering design is available to students 24 hours a day.

There are opportunities for you to study abroad during your second year, either in Europe or at University of Iowa in the USA.

www.brunel.ac.uk/mechanical-engineering

“Mechanical Engineering at Brunel has a long tradition of providing applied engineering courses that develop highly employable graduates. Our courses are known for engaging students in thought-provoking and challenging learning, while encouraging them to run with their own concepts and ideas through a hands-on learning experience.”

Professor Hamid Bahai, Head of Department



Mechanical Engineering at Brunel is ranked in the top 10 in the UK and 2nd in London. (The Guardian University league tables 2018)

Automotive Engineering BEng/MEng (Hons)

Our course produces automotive engineering graduates of the highest calibre. You'll develop the technical and managerial skills needed to design, develop and manufacture environmentally-friendly road vehicles for the future. Our degree balances the practical with the commercial, incorporating professional skills such as management and law. We aim to equip you with everything you need to become a leader in the exciting, fast-moving automotive sector.

You'll study analytical and computational skills as well as the principles and concepts for the design and operation of road car and commercial vehicles. This includes the study of materials, manufacturing methods, internal combustion engines, aerodynamics, vehicle performance and electronics.

The BEng and MEng courses share a common first two years. You'll be taught in a mix of lectures, laboratory sessions, design studio workshops and one-to-one supervision. In Level 3 you'll undertake a major individual project, often involving experimental work and sometimes with industrial support. Final year MEng students take part in a team project which develops your transferable skills while assessing your ability to design, manufacture and test an automotive or racing product, typically aimed at low carbon use.

What you'll learn (typical modules)

Level 1

Modules: Fundamentals of Solid Body Mechanics; Fundamentals of Thermofluids; Analytical Methods and Skills; Engineering Materials, Manufacturing and Electrical Machines; Introduction to Engineering Design; Laboratories, Technical Drawing and Workshop Experience

Level 2

Modules: Solid Body Mechanics; Thermofluids; Computing, Analytical Methods, Control and Instrumentation; Professional Engineering Applications and Practice; Automotive Vehicle Design and Performance

Level 3

Modules: Automotive Structures, Propulsion and Manufacture; FEA, CFD and Design of Engineering Systems (BEng); FEA, CFD and Numerical Modelling (MEng); Professional Engineering Practice; Individual Project

Level 5 (MEng)

Modules: Strategic Management, Innovation and Enterprise; Advanced Automotive Propulsion and Sustainability; Advanced Automotive Performance and Reliability; Advanced Thermofluids; Advanced Solid Body Mechanics; Group Project



WORK
PLACEMENTS



STUDY
ABROAD

UCAS codes

Automotive Engineering BEng (Hons)

HH30 3 years full-time

HHN1 4 years full-time with placement

Automotive Engineering MEng (Hons)

HHH0 4 years full-time

H3N1 5 years full-time with placement

Apply at www.ucas.com

Entry criteria

Automotive Engineering BEng (Hons)

BBB (A-level), DDD (BTEC), 30 points (IB)

Automotive Engineering MEng (Hons)

AAA (A-level), n/a (BTEC), 34 points (IB)

For detailed subject and grade requirements, visit our website.

Getting ready for work

If you opt for a placement course, you'll go on a year's paid placement and put your theory into practice. Our students are sometimes offered jobs at the companies where they carried out their work placements.

A good Automotive Engineering degree from Brunel is highly regarded. Many of our graduates now work in technical and managerial positions within the automotive industry. Recent destinations include Jaguar Land Rover, Ford, Williams F1, Mercedes AMG, Force India F1, Aston Martin, McLaren Automotive, Ricardo, Nissan, Bentley Motors, BMW (Mini), Lotus Cars, Tata Motors, BP, MAHLE Powertrain, Cummins, Perkins and Delphi.

Mechanical Engineering BEng/MEng (Hons)

We offer a broad-based general degree in Mechanical Engineering that gives you a solid grounding in the subject as it covers all the fundamental elements of mechanical engineering and design. In Level 3, you'll study sustainability and mechatronics which can be applied across the manufacturing sector or in more specialist areas such as biomedical engineering.

You'll learn through lectures, laboratory sessions, design studio workshops and one-to-one supervision. You'll produce assignments, project work, reports on laboratory practicals, oral presentations and take short tests and examinations. Our Level 1 project is a design-based competition between teams of students from different subjects, enabling you to learn from each other and collaborate as you would in the working world.

What you'll learn (typical modules)

Level 1

Modules: Fundamentals of Solid Body Mechanics; Fundamentals of Thermofluids; Analytical Methods and Skills; Engineering Materials, Manufacturing and Electrical Machines; Introduction to Engineering Design; Laboratories, Technical Drawing and Workshop Experience

Level 2

Modules: Solid Body Mechanics; Thermofluids; Computing, Analytical Methods, Control and Instrumentation; Professional Engineering Applications and Practice; Design and Analysis of Mechanical Systems and Components

Level 3

Modules: Sustainability, Mechatronics and IC Engines; FEA, CFD and Design of Engineering Systems (BEng); FEA, CFD and Numerical Modelling (MEng); Professional Engineering Practice; Individual Project

Level 5 (MEng)

Modules: Strategic Management, Innovation and Enterprise; Advanced Computer Aided Engineering; Advanced Modelling and Design; Advanced Thermofluids; Advanced Solid Body Mechanics; Group Project



WORK
PLACEMENTS



STUDY
ABROAD

UCAS codes

Mechanical Engineering BEng (Hons)

H303 3 years full-time

H304 4 years full-time with placement

Mechanical Engineering MEng (Hons)

H301 4 years full-time

H302 5 years full-time with placement

Apply at www.ucas.com

Entry criteria

Mechanical Engineering BEng (Hons)

BBB (A-level), DDD (BTEC), 30 points (IB)

Mechanical Engineering MEng (Hons)

AAA (A-level), n/a (BTEC), 34 points (IB)

For detailed subject and grade requirements, visit our website.

Getting ready for work

We have a reputation for developing graduates of the highest calibre, ready to meet the challenges of employment. Our students often have job offers before they graduate.

Our graduates go on to work in exciting industrial, commercial and public sector areas including aviation, automotive design, building services, energy and environmental engineering, gas and water supply, oil production, mining and mineral processing, nuclear power, patent engineering, pharmaceutical engineering, banking, biomedical, the armed forces and the railways.

Engineering with an Integrated Foundation Year

Qualified, skilled engineers are in demand – but in short supply – throughout the world. We'll help you take the first step on your journey to an exciting career in engineering.

Students accepted to the Engineering with an Integrated Foundation Year are entitled to funding throughout their studies. We recommend that you apply and secure funding for the full five-year, MEng programme. This can be reduced if you decide not to take a placement year. As a foundation year student, you can also benefit from living on campus.

This course will build on your existing qualifications in subjects such as mathematics and physics so you can pursue your ambition to become a world-class engineer.

After successfully completing your foundation year, you can take your pick of any Brunel Engineering BEng degree course:

- ▶ Aerospace Engineering BEng (Hons)
- ▶ Automotive Engineering BEng (Hons)
- ▶ Chemical Engineering BEng (Hons)
- ▶ Civil Engineering BEng (Hons)
- ▶ Civil Engineering with Sustainability BEng (Hons)
- ▶ Computer Systems Engineering BEng (Hons)
- ▶ Electronic and Electrical Engineering BEng (Hons)
- ▶ Electronic and Communications Engineering BEng (Hons)
- ▶ Electronic and Computer Engineering BEng (Hons)
- ▶ Mechanical Engineering BEng (Hons)

See relevant course pages for further details.

As well as attending lectures and seminars, you'll learn through hands-on practical experience. You'll be assessed by examination, coursework, presentations and lab reports.

There are two one-week project breaks during which you'll work in a team to gain practical knowledge of control systems, designing models, analysing design and calculating physical parameters.

Providing that you achieve the progression grades for your chosen engineering course, you will start the first year of one of Brunel's engineering degree programmes.

UCAS code

Engineering with an Integrated Foundation Year

H101 5 years full-time with placement

Apply at www.ucas.com

Entry criteria

CCC (A-level), DDD (BTEC), 27 points (IB)

For detailed subject and grade requirements, visit our website.

Getting ready for work

Students who went on to study our BEng/MEng programmes now work for companies such as Rolls-Royce, Jaguar Land Rover, GE Energy, Airbus and British Airways, and many other smaller sized manufacturing, production and consultancy companies.



What you'll learn (typical modules)

Level 0

Modules: Mathematical Methods; Foundations of Physics; Engineering Science; Materials Science; Communications, Projects and Electronic Engineering

BRUNEL STORIES

A pipeline for talent: Women in Brunel Engineering and Computing

You may be surprised to learn that only nine per cent of engineers are female. At Brunel, we are determined to change this by supporting our female students to reach their full potential in engineering or computing industry sectors.

Women in Brunel Engineering and Computing is a mentoring programme addressing the under-representation of women in these fields by pairing students with professional industry mentors. You'll also receive extra training, opportunities to go on site visits and attend networking events and skills workshops.

Crucially, you'll learn what the industry wants from you. Your mentor will help you develop a network of contacts and support you in deciding which career path you'd like to follow.

Current Mechanical Engineering student Maria Vasquez Caroprese is on the programme, successfully completing a placement with luxury car maker Jaguar Land Rover (JLR) and receiving recognition as one of the 'exemplary figures in UK manufacturing' from the prestigious industry magazine *The Manufacturer*.

"I never dreamt of being an engineer" said Maria. "But I thought, 'maybe engineering will be something I enjoy,' so I enrolled at the University – and I think it was the best decision I ever made. I love it so much, it's so exciting. The mentoring programme has really supported me and has helped me make decisions about my future career path as an engineer."

The mentoring programme is open to full-time female computing, engineering and maths students above Level 1. www.brunel.ac.uk/women-in-brunel-engineering-and-computing



Image courtesy of The Manufacturer



Biomedical Sciences

If you're fascinated by human health, then Biomedical Sciences is the field for you.

Biomedical sciences is a multidisciplinary approach to the study of human health and sits at the forefront of modern science. Biosciences at Brunel is an expanding and forward-looking division where we promote a commitment and passion for science. Our enthusiastic academics are research-active in cancer genetics, diagnosis and treatment, infection and immunity as well as human health and ageing. We also have experts in genome structure and stability, genomic medicine and stem cell biology.

All our courses are accredited by the Royal Society of Biology. This means you'll graduate from an academically excellent programme providing students with the skills that your future employers are looking for.

- ▶ **Biomedical Sciences BSc (Hons)**
- ▶ **Biomedical Sciences (Biochemistry) BSc (Hons)**
- ▶ **Biomedical Sciences (Genetics) BSc (Hons)**
- ▶ **Biomedical Sciences (Human Health) BSc (Hons)**
- ▶ **Biomedical Sciences (Immunology) BSc (Hons)**

Why study Biomedical Sciences at Brunel?

Our teaching team received the Higher Education Academy's Collaborative Award for Teaching Excellence 2016, which recognises outstanding teamwork in teaching. You'll be able to carry out hands-on research in our extensive range of laboratories. Our facilities include the general molecular biology laboratory, a microscope suite used for 2D and 3D fluorescence microscopy, a tissue culture laboratory and a general molecular biology laboratory specifically supporting cancer-based research.

www.brunel.ac.uk/biomedical-sciences



“ At Brunel you'll find we regularly ask for your opinion and consider your interests before making decisions. We're proud that this policy of student involvement has contributed to Biomedical Sciences at Brunel consistently receiving exceptionally high satisfaction ratings from our students. ”

Dr Amanda Harvey, Division Lead for Biosciences



You'll have the chance to spend a year working at top companies like AstraZeneca, GlaxoSmithKline and Pfizer.

We have great links with a wide range of organisations and pharmaceutical companies. Our students have undertaken placements with companies such as AstraZeneca, GlaxoSmithKline and Pfizer. They have also worked with medical research companies in cancer research, heart disease, infant and foetal research, HIV/AIDS, public health, genomics, diagnostics, food science, environmental science and clinical data management.

The first year teaching blocks are common to all pathways. In Years 2 and 3, you'll take some common teaching blocks plus others that are relevant to your area of specialisation. As part of your final year project you'll carry out hands-on research, supervised by an expert academic. Our aim is to support your development as a confident individual, able to critically analyse, interpret and communicate science.

Biomedical Sciences BSc (Hons)

This course develops an understanding of the main subject areas in biosciences and medically-related research.

What you'll learn (typical teaching blocks)

Level 1

Compulsory: The Human Body: Principles of Anatomy and Physiology; Biochemistry: Structure and Function; Research Skills; Practical Skills in Biomedical Sciences; Biology of the Cell; Critical Thinking 1

Level 2

Compulsory: Career Skills; Critical Thinking 2; Molecular and Cellular Biology; Genetic Engineering and Immunobiology; Principles of Human Disease

Optional: Analytical Biochemistry; Medical Microbiology; Genetics and Development; Metabolic Regulation

Level 3

Compulsory: Final year project

Optional: Genomic Medicine; Medical Biochemistry; The Biology and Treatment of Cancer; Gene Therapy and Related Technologies; Cellular Pathologies; Methods in Forensic Investigation; Endocrine Disorders; Microbial Pathogenesis; Medical Immunology; Molecular Pharmacology and Toxicology



WORK
PLACEMENTS

UCAS codes

Biomedical Sciences BSc (Hons)

C900 3 years full-time

C901 4 years full-time with placement

Biomedical Sciences (Biochemistry) BSc (Hons)

C722 3 years full-time

C723 4 years full-time with placement

Entry criteria

BBB (A-level), DDD (BTEC), 30 points (IB)

For detailed subject and grade requirements, visit our website.

Biomedical Sciences (Biochemistry) BSc (Hons)

You'll learn about the role of biochemical pathways in normal metabolism and how these pathways may be altered during specific human diseases.

What you'll learn (typical teaching blocks)

Level 1

Compulsory: The Human Body: Principles of Anatomy and Physiology; Biochemistry: Structure and Function; Research Skills; Practical Skills in Biomedical Sciences; Biology of the Cell; Critical Thinking 1

Level 2

Compulsory: Career Skills; Critical Thinking 2; Molecular and Cellular Biology; Genetic Engineering and Immunobiology; Principles of Human Disease; Analytical Biochemistry; Metabolic Regulation

Level 3

Compulsory: Final year project; Medical Biochemistry

Optional: Genomic Medicine; The Biology and Treatment of Cancer; Cellular Pathologies; Endocrine Disorders; Medical Immunology; Molecular Pharmacology and Toxicology

Biomedical Sciences (Genetics) BSc (Hons)

This course develops an understanding of the main subject areas in biosciences and medically-related research.

What you'll learn (typical teaching blocks)

Level 1

Compulsory: The Human Body: Principles of Anatomy and Physiology; Biochemistry: Structure and Function; Research Skills; Practical Skills in Biomedical Sciences; Biology of the Cell; Critical Thinking 1

Level 2

Compulsory: Career Skills; Critical Thinking 2; Molecular and Cellular Biology; Genetic Engineering and Immunobiology; Principles of Human Disease; Genetics and Development

Optional: Analytical Biochemistry; Medical Microbiology; Metabolic Regulation

Level 3

Compulsory: Final year project; Gene Therapy and Related Technologies

Optional: Genomic Medicine; The Biology and Treatment of Cancer; Cellular Pathologies; Endocrine Disorders; Medical Immunology; Molecular Pharmacology and Toxicology

“ This course has given me the opportunity to use techniques in the laboratory. I have particularly enjoyed the practical element to the course. During my summer internship placement I worked at the Royal Brompton Hospital in the cardiovascular laboratory. This has been an invaluable experience and I feel confident about working independently in a laboratory. ”

Fahreen Shaikh, Biomedical Sciences (Biochemistry) BSc



WORK
PLACEMENTS

UCAS codes

Biomedical Sciences (Genetics) BSc (Hons)

C400 3 years full-time

C401 4 years full-time with placement

Biomedical Sciences (Human Health) BSc (Hons)

B990 3 years full-time

B991 4 years full-time with placement

Apply at www.ucas.com

Entry criteria

BBB (A-level), DDD (BTEC), 30 points (IB)

For detailed subject and grade requirements, visit our website.

Biomedical Sciences (Human Health) BSc (Hons)

This course focuses on the role of infectious organisms in disease and how human activities can lead to disease transmission.

What you'll learn (typical teaching blocks)

Level 1

Compulsory: The Human Body: Principles of Anatomy and Physiology; Biochemistry: Structure and Function; Research Skills; Practical Skills in Biomedical Sciences; Biology of the Cell; Critical Thinking 1

Level 2

Compulsory: Career Skills; Critical Thinking 2; Molecular and Cellular Biology; Genetic Engineering and Immunobiology; Principles of Human Disease; Medical Microbiology

Optional: Analytical Biochemistry; Genetics and Development; Metabolic Regulation

Level 3

Compulsory: Final year project; Microbial Pathogenesis

Optional: Genomic Medicine; The Biology and Treatment of Cancer; Cellular Pathologies; Endocrine Disorders; Medical Immunology; Molecular Pharmacology and Toxicology

Biomedical Sciences (Immunology) BSc (Hons)

This course provides greater understanding of the role of the immune system in preventing human disease and how deficiencies in immunity can result in disease susceptibility.

What you'll learn (typical teaching blocks)

Level 1

Compulsory: The Human Body: Principles of Anatomy and Physiology; Biochemistry: Structure and Function; Research Skills; Practical Skills in Biomedical Sciences; Biology of the Cell; Critical Thinking 1

Level 2

Compulsory: Career Skills; Critical Thinking 2; Molecular and Cellular Biology; Genetic Engineering and Immunobiology; Principles of Human Disease; Medical Microbiology

Optional: Analytical Biochemistry; Genetics and Development; Metabolic Regulation

Level 3

Compulsory: Final year project; Microbial Pathogenesis; Medical Immunology

Optional: Genomic Medicine; The Biology and Treatment of Cancer; Cellular Pathologies; Endocrine Disorders; Molecular Pharmacology and Toxicology



WORK
PLACEMENTS

UCAS codes

Biomedical Sciences (Immunology) BSc (Hons)

C550 3 years full-time

C551 4 years full-time with placement

Apply at www.ucas.com

Entry criteria

BBB (A-level), DDD (BTEC), 30 points (IB)

For detailed subject and grade requirements, visit our website.

“ We are taught by experts who actively contribute to research so we learn concepts that go beyond the textbook. The course addresses real-world issues, so I've learned to solve problems, speak in public and become confident about the field. ”

Denise Ragusa, Biomedical Sciences BSc



Getting ready for work

The courses will prepare you for employment in a wide variety of graduate-entry career paths. Our graduates have begun their careers in pharmaceutical and biotech research, cancer research, infectious diseases, heart disease and Alzheimer's disease.

Others have continued with experimental work for their PhD or further study in areas such as medicine, dentistry, ophthalmology or teaching. For those wishing to pursue a career as an NHS medical laboratory officer, please note that this course is not IBMS accredited.

BRUNEL STORIES

From Brunel to Brazil

Brunel graduate Kate Richardson-Walsh (Sport Sciences BSc, 2003), captain of Team GB Hockey Women's Team, won the first ever Olympic gold for the women's GB hockey team at Rio 2016.

In recognition of her achievements, Kate received the Order of the British Empire (OBE) in the New Year's Honours list 2017. She was also shortlisted for BBC Sports Personality of the Year 2016 following her penalty shoot-out victory in the Olympic final against the Netherlands.

Kate wasn't the only Brunel success story in Rio. Amber Luzar, who became performance analyst for England and GB Hockey in 2014 (just two years after graduating), was part of the background staff preparing the team for Olympic glory.

Amber credits her time at Brunel, first as a sports sciences undergraduate and then on the Human Performance MSc, with helping her to develop the right skills to succeed in her career.

Amber said: "A career in elite sport is difficult, but Brunel provided a learning environment to develop practitioners who could go on to lead expert athletes in major sporting events. You could learn from the best, with the best equipment that mirrored that used in the sporting arena."





Environmental Sciences

Environmental Sciences is closely linked to one of Brunel's flagship research institutes - the Institute of Environment, Health and Societies.

The Institute aims for international excellence in all forms of research relating to the quality of the environment and our health and wellbeing. Our Environmental Sciences team is a previous winner of the Queen's Anniversary Prize for two decades of pioneering research.

Environmental scientists work to improve our impact on the natural world and there is a growing need for environmental scientists within the public, private and charitable sectors. Our graduates can progress to such roles as environmental practitioners, environmental analysts and environmental managers.

- ▶ **Environmental Sciences BSc (Hons)**
- ▶ **Environmental Sciences MSci (Hons)**

Why study Environmental Sciences at Brunel?

Our courses are accredited by the Institution of Environmental Sciences (IES) and you'll benefit from free IES membership. This is your first step towards becoming a Chartered Scientist, bringing opportunities for networking and professional development.

You'll be taught by an award-winning research group. Our strong research culture enhances every aspect of the degree, from the lecture content to the development of the programme.

We work closely with the Environment Agency, who'll be offering placements to students on both the Environmental Sciences BSc and MSci courses.

You'll benefit from our extensive, state-of-the-art teaching facilities and research laboratories. Fieldwork is an important element of the courses and you'll attend at least two residential field trips (currently in Dorset and Tenerife). We also organise additional day field trips and you'll have the opportunity to get involved in optional research fieldwork.

www.brunel.ac.uk/environmental-sciences

“ Our new programme mixes some of the best teaching and research at Brunel with the skills needed for the growing field of Environmental Sciences. We loved putting this holistic programme together and we think that you'll love tackling current global challenges during the degree and afterwards in your career. ”

Dr Mark Scrimshaw, Reader in Environmental Chemistry



Accredited by the Institution of Environmental Sciences (IES). You'll also benefit from free IES membership.

Environmental Sciences BSc (Hons)

You can choose between Environmental Sciences BSc as a three year full-time course, a three year full-time compressed placement course or a four year full-time placement course.

What you'll learn *(typical modules)*

Level 1

Modules: Biosphere & Ecology; Earth System Science; Environmental Chemistry; Biological Processes; Natural History & the Environment; Research Skills, GIS and Fieldwork I; Natural Environments Case Studies; Leadership for Sustainability I

Level 2

Compulsory modules: Ecosystem Stressors; Climate Change; Environmental Pollution; The Sustainability Challenge; Post-Industrial Earth History; Research Skills, GIS and Fieldwork II; Anthropocene Case Studies; Leadership for Sustainability II

Optional modules: Environmental Health; Biochemistry: Structure and Function; Introduction to Programming; Fundamentals of Fluid Mechanics; Construction and Sustainability; Fundamentals of Geotechnical Engineering and Surveying

Level 3

Compulsory modules: Sustainable Development; Environmental Governance; Planetary Health Case Studies; Individual Project (Dissertation); Leadership for Sustainability III

Optional modules: Pollution Solutions; Clean Technology; Climate Change Adaptation and Mitigation; Ecology and Conservation; Public Health; Epidemiology; Genetics, Evolution and Biodiversity; Molecular Pharmacology and Toxicology; Algorithms and their Applications; Software Development and Management; Civil Engineering Hydraulics; Water Engineering; Sustainable Construction; Sustainable Infrastructure Development; Geotechnical Engineering



UCAS codes

Environmental Sciences BSc (Hons)

F850 3 years full-time
F854 3 years full-time compressed with placement
F852 4 years full-time with placement

Apply at www.ucas.com

Entry criteria

BBC (A-level), DDD (BTEC), 30 points (IB)

For detailed subject and grade requirements, visit our website.



Environmental Sciences MSci (Hons)

The Environmental Sciences MSci is offered as a four year full-time course, a four year compressed placement course or a five year placement course.

The compressed placement allows you to undertake a placement within the summer vacations instead of taking an extra year. This will help you to develop experience and contacts with an employer without extending the length of your degree.

What you'll learn *(typical modules)*

Level 5 (MSci)

Compulsory module: Group Project

Optional modules: Climate Change: Science and Impacts; Biosphere II; GIS and Data Analysis; Environmental Law; Environmental Management; Integrated Pollution; Environmental Monitoring; Priority Pollutants and Human Health Effects; Essentials in Ecotoxicology; Designing, Analysing and Interpreting (Eco) Toxicological Studies; Reproductive Toxicology and Endocrine Disruption; Big Data Analytics; Data Visualisation; Quantitative Data Analysis; Water Infrastructure Engineering; Water Treatment Engineering; Water Process Engineering

Getting ready for work

You'll develop your employability skills on our Leadership for Sustainability module. Brunel's on-campus Professional Development Centre also offers workshops on employability. These cover networking, psychometric and aptitude testing, interview skills, teamwork exercises and developing your CV and cover letters.

Our advisors in the Professional Development Centre will help you apply for placements in such areas as environmental protection, environmental management and consultancy, environmental compliance and sustainability, and environmental research. These placements will provide you with valuable work experience and contacts.



UCAS codes

Environmental Sciences MSci (Hons)

F851 4 years full-time
F855 4 years full-time compressed with placement
F853 5 years full-time with placement

Apply at www.ucas.com

Entry criteria

BBC (A-level), DDD (BTEC), 30 points (IB)

For detailed subject and grade requirements, visit our website.



Life Sciences

Life Sciences involve the study of living organisms. They include subjects from human biology to animal behaviour and ecology.

The life sciences capture areas that are on the cutting-edge of human knowledge, such as genetics and neuroscience. Together, the life sciences encompass our understanding of living beings on a cellular, biomechanical and psychological level, as well as how they interact with the environment.

► Life Sciences BSc (Hons)

Why study Life Sciences at Brunel?

Studying Life Sciences at Brunel will enable you to study several life science streams (biological, environmental, psychological and sport sciences) in tandem with learning computational data analytics and optional external electives such as languages and creative writing.

You can create a degree as unique as you. If you study with us you won't just be getting a first class education, you'll also get the opportunity to learn from academics who believe in embracing a new way of thinking. Our course also offers a professional experience option which provides you with a brilliant opportunity to try out potentially fulfilling career paths.

www.brunel.ac.uk/life-sciences

“Life Sciences BSc is a flexible degree and you'll draw together elements of the life sciences to match your own interests. You'll broaden your knowledge further by selecting options in other subjects such as management and modern languages. When you graduate, you'll have a unique combination of knowledge and skills, making you highly employable and ready to explore new and exciting career paths.”

Dr David Tree, Lecturer in Biosciences



Our students will graduate with a unique mix of skills, giving them a competitive advantage in the employment market.

Life Sciences BSc (Hons)

Our innovative course is our first to combine a multi-disciplinary approach for your benefit, to ensure you'll enter the workplace with a competitive skillset.

The course will give you a broad understanding of the life sciences. You'll develop your knowledge of biochemistry, cellular and molecular biology, sports and exercise biology, biological psychology and the biological environment.

The first year of the course is the same for all students. At Level 2, you'll choose two specialisms from: biochemistry, cell biology, cognitive neurosciences, computational data analysis, environmental health, evolution and behaviour, genetics, infections and immunity, and sport and exercise sciences.

In your final year you'll continue to study your specialisms, majoring in one of them.

You can choose two streams of specialisation, Major and Minor, giving a broad and interdisciplinary scientific education. You can select from a range of recommended stream pairings. Please visit www.brunel.ac.uk/life-sciences for more information.

What you'll learn (typical modules)

Level 1

Compulsory: Anatomy, Physiology and Biomechanics; Biochemistry; Biosphere; Foundations of Psychology; Brain and Cognition; Molecular and Cellular Biology; Practical Research Skills; Quantitative Research Skills; Synoptic Assessment in Life Sciences 1: Teamwork and Presentation

Level 2

Compulsory: Career Skills in Life Sciences; Introduction to Bioinformatics; Synoptic Assessment in Life Sciences 2: Interdisciplinary Literature Interrogation and Synthesis

Major and Minor Streams: Biochemistry; Cell Biology; Cognitive Neuroscience; Computational Data Analysis; Environmental Health; Evolution and Behaviour (Major Stream only); Genetics; Infection & Immunity; Sport, Health and Exercise Sciences

Level 3

Compulsory: Final year research project; Synoptic Assessment in Life Sciences 3: Research Methods, Culture and Communication

Major and Minor Streams: Biochemistry; Cell Biology (Minor Stream only); Cognitive Neuroscience; Computational Data Analysis; Environmental Health; Genetics; Infection & Immunity; Infection & Life Sciences; Sport, Health and Exercise Sciences



WORK
PLACEMENTS

UCAS codes

Life Sciences BSc (Hons)

LF01 3 years full-time

LF02 4 years full-time with placement

Apply at www.ucas.com

Entry criteria

BBB (A-level), DDD (BTEC), 30 points (IB)

For detailed subject and grade requirements, visit our website.

"I was part of the design team for the Life Sciences BSc at Brunel. We wanted to make sure that this course would equip students with the interdisciplinary background skills that employers need such as data analysis and numerical skills."

Anabel Zeleki, Biomedical Sciences BSc
(Participated in the course design team for the BSc course in Life Sciences)



Getting ready for work

The course places strong emphasis on your professional development and you'll boost your skills in data analysis, laboratory work, critical analysis and problem solving. You'll have the option of broadening your knowledge by choosing non-science study such as a modern language, management studies or computer programming.

This course will prepare you for a career in a diverse range of fields such as the sport, health and exercise industry, biomedical research or ecology, and environmental management. It will also prepare you for further study and research in life sciences.



BRUNEL STORIES

Made in Brunel's rising star

Product Design graduate Sophie Copley proved she's a rising star by winning the Mars Chocolate Design Thinking Award for her Little Heroes project, at the prestigious New Designers exhibition 2017. For Little Heroes, Sophie focused on enhancing the experience of children who are in hospital, by redesigning their hospital gowns to reduce anxiety for the duration of their stay. Head of Design at Brunel, Ian de Vere, said: "This is well deserved recognition of empathetic work she has done in her Major Project which was a collaboration with Bloomsbury Innovation Group and UCL Hospital. This is the second year in a row that a Brunel design student has won this award." Sophie also went on to win the New Designers Gleeds Associate Prize for the designer best demonstrating lateral thinking.

The New Designers Awards, presented in partnership with leading brands and organisations, recognise the design world's emerging stars and awards the winners with prize money, professional advice and paid work placements of up to one year - offering graduates vital support as they embark on their professional careers.



Occupational Therapy

Study Occupational Therapy at Brunel and you'll be taught by our highly respected academic staff in our purpose-built, cutting-edge Health Studies Centre.

As occupational therapists and as educators we value human occupation, believing that an individual's occupational performance is integral to health and quality of life. Viewing people as individuals, within their own environment and context, is central to our occupational therapy philosophy. A client-centred approach facilitates the practical application of this philosophy and recognises the importance of the therapist to enable optimum occupational performance.

On this programme you'll learn the core skills and knowledge of occupational therapy, integrated with inter-professional issues and research. Periods of academic study on campus are interspersed with practice placements. You are also encouraged to examine the evidence base of occupational therapy, concluding in the presentation of a research proposal.

► Occupational Therapy BSc (Hons)

Why study Occupational Therapy at Brunel?

Occupational Therapy at Brunel is the original 'London School of Occupational Therapy' and is one of the most highly regarded programmes globally. The Division of Occupational Therapy has many international links and staff from other countries often lecture on the programme. We have an impressive record of research, innovation and publication. Lecturers' leading-edge findings feed into our courses to ensure content is up-to-date and original.

Our undergraduate course is endorsed by our students who voted Brunel '1st in London for Occupational Therapy' in the National Student Survey (2017). Students enjoy first-rate facilities in our purpose-built, multi-million pound Health Studies Centre.

www.brunel.ac.uk/occupational-therapy



"We aim to combine a thorough professional education with academic excellence. Our department has a fantastic record of research, innovation and publication which is reflected in the quality and relevance of the teaching you'll experience. If you are committed to improving lives through occupational therapy in the spirit of the NHS, we're very much looking forward to meeting you."

Professor Priscilla Harries, Head of Department, Clinical Sciences



Ranked 1st in London and 5th in the UK for Occupational Therapy. (The Complete University Guide 2018)

Occupational Therapy BSc (Hons)

The course integrates theory with practice. Periods of campus-based study will prepare you for practice placements, and then information and experience gained on placements provides much of the case study material used in university study. There is also a mix of individual and group work.

Our purpose-built rooms mirror the clinical environment and include a specialist kitchen, arts room and gym. In our 'Keep Living Suite' you'll learn about the use of equipment and adaptable living environments.

We have close connections with our colleagues in the NHS, social services and voluntary organisations around London. This means you'll benefit from excellent research and practice placements.

Course themes

Occupation This theme introduces you to concepts including occupational therapy and occupational science; productivity, self-care and leisure; occupational therapy theories and models; effective intervention; and managing the occupational therapy process to address clients' needs.

Enquiry This theme teaches skills including methods of obtaining and assessing evidence; understanding the research process and gathering data; evaluating and applying professional evidence; producing research proposals; and evaluating the impact of service provision.

Professional performance This theme develops your understanding and use of occupational therapy procedures. You'll learn professional terminology; demonstrate clinical reasoning and client-centred practice; identify change events and their impact on practice; and justify interventions.

Practical skills The programme enables you to develop your practical and theoretical skills in tandem, including the theory and practice of self-care and independent living techniques. Practical skills are taught in the state-of-the-art Keep Living Suites, where students learn about the use of special equipment, e.g. wheelchairs, hoists and walking aids and about designing adaptations to living environments. You will also study the principles and management of therapeutic activity groups, and will receive interviewing and communication skills training. You'll develop skills in creative vocational and recreational activities and consider their use in treatment.

“I really enjoyed the anatomy and physiology aspects of my course. I have been on two community placements which showed me how much occupational therapy is needed and used to help various sections of the community. I finished my placements with a greater confidence in my abilities as an occupational therapist.”



Allison Wragg, Occupational Therapy BSc



UCAS codes

Occupational Therapy BSc (Hons)

B920 3 years full-time

Apply at www.ucas.com

Entry criteria

BBB (A-level), DDD (BTEC), 30 points (IB)

For detailed subject and grade requirements, visit our website.

What you'll learn (typical modules)

Level 1

Modules: Knowledge and Skills for Occupational Therapy; Human Sciences; Core Professional Skills 1; Preparation for Level 2 Studies; Professional Development; Practice Placement 1

Level 2

Modules: Core Professional Skills 2; Theory of Occupation; Occupations for Health and Wellbeing; Evidence-Based Occupational Therapy; Practice Placements 2; Practice Placements 3

Level 3

Modules: Core Professional Skills 3; Occupational Therapy Provision and Service Development; Research Methods; Research in Occupational Therapy; Professional Practice; Practice Placement 4

Getting ready for work

Your practice placements of 28 weeks, combined with your academic studies, provide valuable experience and create a strong foundation for your therapeutic career. We place students in the NHS, local government, charities and private organisations around London.

An Occupational Therapy BSc (Hons) enables you to work in many areas. These include physical rehabilitation, mental health settings, with children in schools or clinics and with people with learning disabilities. You might be based at a hospital or with a community reablement team.



BRUNEL STORIES

Ageing suits let students walk in grandad's slippers

Brunel students are discovering how it feels to be 50 years older by wearing ageing simulation suits.

The wearable technology is helping aspiring health workers and designers to empathise with older people by mimicking age-related conditions. These include the tremors and stumbling associated with Parkinson's, the effects of a stroke, limited vision, pain and fatigue.

The suits are used by students from clinical studies including occupational therapy and physiotherapy as well as design. They gain first-hand understanding of the socially isolating effect ageing can have on a person by wearing the suits for everyday things such as buying a coffee or playing cards.

"How cut off you feel from the outside world is astounding," says Inclusive Design Research Group Leader, Dr Farnaz Nickpour. "I was so busy processing basic tasks that I struggled to manage a conversation."

Physiotherapy

Brunel's Physiotherapy programme is the largest in London. Our staff are clinical specialists who are well-placed to provide you with a top-class, contemporary, evidence-based syllabus.

Many of our research-active lecturers contribute to the development of national guidelines for the diagnosis and management of stroke rehabilitation, back pain management, chronic obstructive pulmonary disease and cardiac rehabilitation.

So, if you're aiming for a career in physiotherapy, our course will provide your route into this varied and practical health profession. You'll undertake placements to develop your clinical skills in real healthcare settings. If you're fascinated by how the human body works and want to use your scientific knowledge to improve the lives and wellbeing of others, this course is for you.

► Physiotherapy BSc (Hons)

Why study Physiotherapy at Brunel?

At Brunel, you'll gain a thorough understanding of your subject, receiving excellent, evidence-based teaching.

We have great links with some of the most highly regarded health providers in London as well as many general hospitals including King's College Hospital, Central Middlesex Hospital, Charing Cross Hospital, Chelsea and Westminster Hospital, St Thomas' Hospital, The Royal Free, University College Hospital, Royal Brompton Hospital, National Hospital for Neurology and Neurosurgery, Great Ormond Street Hospital and many more.

After graduation, you'll be eligible to apply for registration with the Health and Care Professions Council and with the Chartered Society of Physiotherapy.

www.brunel.ac.uk/physiotherapy



“At Brunel, we have one of the largest and most experienced physiotherapy academic teams in the UK. We have extensive links with some of the most highly regarded placement partners. This means that our students benefit from an extensive range of clinical placements and 100% of our students are in professional employment or education six months after graduating.”

Emma Farquharson, Lecturer in Physiotherapy



**Ranked 1st in London for student satisfaction.
(National Student Survey 2017)**

Physiotherapy BSc (Hons)

Our Physiotherapy programme focuses on providing you with clinical skills which include critical analysis and excellent communication so you can become a first-class independent physiotherapist using your evidence-based techniques to fully meet the needs of patients.

As part of the programme you'll learn to further develop your professional competence by completing over 1,000 hours of clinical experience.

Our Mary Seacole Building is purpose-built for physiotherapy programmes. The facilities include a specialist gym and bespoke treatment rooms.

What you'll learn (typical modules)

Level 1

Modules: Continuing Professional Development 1; Anatomy 1: Lower Quadrant; Rehabilitation 1; Pathophysiology; Anatomy 2: Upper Quadrant; Rehabilitation II; Musculoskeletal Lower Quadrant I; Respiratory

Level 2

Modules: Clinical Preparation 1; Placements 1 and 2; Physiotherapy Practice 1 Ageing Studies; Physiotherapy Practice 2 Paediatrics; Continuing Professional Development 2; Musculoskeletal II Upper Quadrant; Neurorehabilitation; Cardio-vascular Health; Research Methods

Level 3

Modules: Placements 3, 4 and 5; Physiotherapy Practice 3 Women's Health; Physiotherapy Practice 4 Oncology & Palliative Care; Physiotherapy Practice 5 Emerging Practice; Physiotherapy Practice 6 Mental Health; Continuing Professional Development 3; Critical Care; Professional Practice; Research Proposal



WORK
PLACEMENTS



STUDY
ABROAD

UCAS codes

Physiotherapy BSc (Hons)

B160 3 years full-time

Apply at www.ucas.com

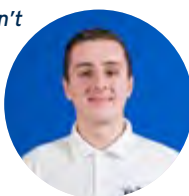
Entry criteria

AAB-ABB (A-level), D*D*D (BTEC), 33 points (IB)

For detailed subject and grade requirements, visit our website.

"I love the fact that the course doesn't involve just lectures. I also have fun practical sessions with my tutorial group where we get to consolidate the vast amounts of information from the lectures through hands-on learning. It helps that we have incredibly approachable lecturers who will help you with anything."

Alex Armstrong, Physiotherapy BSc



Getting ready for work

As part of your course, you'll complete 30 weeks of clinical practice. This helps you apply what you learn in the classroom in an authentic healthcare environment. Clinical practice takes place in six-week blocks which gives you time to find your feet and consolidate your learning.

Our students are extremely well thought of by clinicians in South East England, who have rated 98% of Brunel students as excellent or very good on their final clinical practice placement before qualifying.

100% of our Physiotherapy graduates go on to work or study six months after finishing the course (*Destination of Leavers from Higher Education 2015/16*).



Psychology

**Are you curious about people, the mind and behaviour?
If so, it's likely that you'll find a degree in psychology
particularly rewarding.**

Psychologists investigate the relationship between the brain, behaviour and subjective experience.

They look at human development, the influence of other people on an individual's thoughts, feelings and behaviour, and psychological disorders and their treatment. Brunel psychologists are leading experts in areas like cross-cultural psychology and neuroscience. Our psychology courses emphasise the everyday and real-life significance of psychology. We will encourage you to explore the relationship between the practical and theoretical aspects of the subject through academic study and work placements.

- ▶ **Psychology BSc (Hons)**
- ▶ **Psychology (Sport, Health and Exercise) BSc (Hons), see page 209**

Why study Psychology at Brunel?

On this course, you'll qualify for graduate membership of the British Psychological Society if you achieve a second-class degree or above. This is a mark of quality and an essential entry qualification for postgraduate professional training in psychology to practise as a health professional. If you select the four-year placement course you'll benefit from two six-month work placements, giving you experience across psychological and clinical environments.

You'll learn in lectures, seminars and labs, using information technology to develop important skills in areas including experimental psychology and psychophysics.

The Study Abroad Scheme gives you the opportunity to spend a term at the prestigious University of California.

www.brunel.ac.uk/psychology



“Our academic staff are all actively engaged in research. They integrate their research findings into the course, making sure that our teaching is up to date. Our aim is to equip you with the full range of skills and experiences you need, ready for the world of work.”

Professor Taeko Wydell, Divisional Lead for Psychology



**Our course is ranked in the top 3 in London for
student satisfaction. (National Student Survey 2017)**

Psychology BSc (Hons)

On this course, you'll study the human mind and behaviour through theoretical approaches, gaining an understanding of the fundamental fields of clinical, cognitive and social psychology. Throughout the course you'll analyse all aspects of the human experience - from the inner workings of the brain to the actions of nations; you'll learn the scope of psychology in understanding behaviour in every setting from the research lab to mental healthcare.

In Level 3, you can choose four modules to specialise in topics as diverse as cross-cultural psychology, animal behaviour or eating disorders. You'll use a wide range of laboratory and technical facilities on the course. Our facilities include a dedicated MRI scanner, an EEG (electroencephalogram) lab, portable near-infrared spectroscopy equipment, transcranial magnetic stimulation labs, a 3D body scanner and thermal imaging cameras. We also have psychophysics, eye tracking and information technology resources.

We offer two six-month work placements, giving you the opportunity to experience two work environments relevant to your chosen career pathway. Students have worked in clinical psychology at St George's Hospital; the Institute of Psychiatry; community programmes for vulnerable groups such as Hillingdon and Ealing Victim Support; Royal Free Hospital; and Holloway Prison. Students have also worked on research in psychology at medical schools across London.

What you'll learn (typical modules)

Level 1

Modules: Foundations of Psychology I: Learning and Social Psychology; Foundations of Psychology II: Brain and Cognition; Research Methods; Statistics; Psychological Perspectives on Contemporary Issues; Foundations of Psychology III: Clinical Psychology

Level 2

Modules: Developmental Psychology; Biological Psychology; Cognitive Psychology; Quantitative Research Methods; Qualitative Research Methods; Advanced Data Analysis; Individual Differences; Social Psychology; Conceptual and Historical Issues

Level 3

Compulsory modules: Individual Psychology Research Project

Optional modules: Autistic Spectrum Disorder; Evolutionary Psychology; Drugs, Hormones and the Brain; Practical Investigations of Mind and Brain; The Cognitive Neuroscience of Consciousness; Cross-Cultural Psychology; Clinical Aspects of Eating Disorders; Animal Behaviour; Music Psychology; Inter-group Relations



WORK
PLACEMENTS



STUDY
ABROAD

UCAS codes

Psychology BSc (Hons)

C801 3 years full-time

C800 4 years full-time with placement

Psychology (Sport, Health and Exercise) BSc

C802 3 years full-time

C803 4 years full-time with placement

Apply at www.ucas.com

Entry criteria

BBB (A-level), DDD (BTEC), 30 points (IB)

For detailed subject and grade requirements, visit our website.

Getting ready for work

We'll make sure you gain valuable experience so you can develop a stand-out CV. Our graduates have found positions in education, mental health and healthcare. They work in roles such as assistant psychologist, forensics, mental health support worker, health and wellbeing project officer, healthcare assistant, lecturer, rehabilitation assistant, social therapist and support worker.

“The psychology course at Brunel includes two placements. This opportunity has provided me with a broader knowledge of my career options after graduation and greater professional connections. During my placements I attended CCN seminars and met current professionals in the field of Cognitive Neuroscience.”

Louisa Spence, Psychology BSc



BRUNEL STORIES

Tom Aggar: Paralympic champion

Tom Aggar graduated from Brunel in 2013 with a Sport Sciences MSc.

Tom is a para-rowing single sculler. He became the first Paralympic Champion in the arms-and-shoulders-only single skull (ASM1x) in the Beijing 2008 Paralympic Games. He went on to win bronze at Rio 2016.

Tom used Functional Electrical Stimulation to train for his sport. This science was developed at Brunel University London.



Specialist Community Public Health Nursing

Brunel's Specialist Community Public Health Nursing courses will develop your expertise in many aspects of people's health.

Our aim is to enable you to practise safely and effectively to improve public health. If you already have initial nurse or midwife registration and want to become a specialist community public health nurse in health visiting, occupational health nursing or school nursing, this course is the perfect next step for you.

On successful completion of the course you'll be eligible to apply for specialist community public health nurse posts within your specialism. The award is an excellent means to progress your career as a team leader or manager.

► **Specialist Community Public Health Nursing BSc (Hons)**

Why study Specialist Community Public Health Nursing at Brunel?

Brunel has a well-established reputation for excellence in training healthcare professionals. We also have an impressive record of research, innovation and publication covering subjects such as comparative social work, community care and child development as well as breast cancer, mental health and workplace health. All of these specialist research areas feed directly into our teaching, keeping our courses dynamic and up to date.

We use innovative teaching and learning methods to balance professional training with academic excellence. You'll be assessed on essays, projects, exams and practice. You will be allocated a qualified and experienced practice teacher who will support you via study days and undertake your assessment in practice.

www.brunel.ac.uk/specialist-nursing

NMC Nursing & Midwifery Council

“We work closely with students and our practice partners to support learning in the field. All three pathways in Health Visiting, Occupational Health Nursing and School Nursing relate to the current national Public Health Outcomes Framework to improve wellbeing.”

Elaine Tabony, Programme Leader, Specialist Community Public Health Nursing



100% of our students secure work in their specialist field every year.

Specialist Community Public Health Nursing BSc (Hons)

You'll choose one of three specialist pathways:

Health Visiting This pathway will develop you as an innovative practitioner in the promotion of health and the prevention of ill health for individuals, groups and communities. You'll be able to contextualise health needs and practice at a national and international level. The course will prepare you to practise as a health visitor.

Occupational Health Nursing This pathway will equip you for the specialist area of occupational health. This includes responsibility for health and safety at work, risk assessment, management of occupational disease and the promotion of physical and psychological health in the workplace.

School Nursing On this pathway you'll develop as an innovative practitioner in the promotion of health and the prevention of ill health for individuals, groups and communities. The course will prepare you to lead a school nursing team with a mix of skills, promote school health and meet the health-related needs of children and adolescents.

What you'll learn (typical modules)

Level 3

Modules: In addition to your specialist pathway, you'll study the following core modules: The Application of Evidence for Specialist Community Public Health Nursing Practice; Mental Health and Wellbeing; Developing Specialist Community Public Health Nursing Practice; Health Promotion and Public Health Leadership; Consolidated Practice; Managing Professional Perspectives in Specialist Community Public Health Nursing

Optional module: Nurse Prescribing (for Health Visiting and School Nursing pathways only)

Getting ready for work

Half of your time with us will be spent on supervised practice placements in your specialism. Placements for Health Visiting and School Nursing are usually arranged with NHS trusts. You'll be supported in your practice by experienced practice teachers.

If you specialise in Occupational Health Nursing you'll gain practical experience in occupational settings in either the public or private sector, supported by a qualified and experienced practice teacher.

We are closely connected to the local NHS and social services, and our location is ideal for access to a wide variety of fieldwork placements.



Applications

Specialist Community Public Health Nursing: Health Visiting

1 year full-time
2 years part-time

Specialist Community Public Health Nursing: Occupational Health Nursing

1 year full-time
2 years part-time

Specialist Community Public Health Nursing: School Nursing

1 year full-time
2 years part-time

Apply at www.brunel.ac.uk/bsc-nu

Entry criteria

For detailed subject and grade requirements, visit our website.

"I'm so glad I chose to study Health Visiting at Brunel. The enthusiasm of the lecturers combined with lots of support, especially with assignments, has made the course very rewarding and enjoyable despite being a very intense and full on year of study."



Amanda Gingell,
Specialist Community Public Health Nursing BSc



BRUNEL STORIES

Off-roading wheelchair gives users their lives back

An off-roading wheelchair is giving users in some of the world's poorest countries their lives back, thanks to four Brunel students.

Seventy million people need a wheelchair, yet only 5-15% of them have one, according to the World Health Organisation. Unable to get about, they are locked out of schools, jobs and life outside the home.

The talented Design students have developed a cheap, light-weight wheelchair called Safariseat that local people build themselves out of bike parts. Janna Deeble (pictured) went to Kenya to hone the wheelchair designs. With Cara O'Sullivan, Bertie Meyer and James Seers, he raised money for the project through crowdfunding and is now building 50 wheelchairs and DIY toolkits.

"Brunel taught us the fundamentals of design thinking and engineering. We've applied these lessons to create something which is significantly improving people's lives," Cara said.



Sport, Health and Exercise Sciences

At Brunel our academics lead the way in generating new knowledge in Sport, Health and Exercise Sciences. Our research-led teaching is one of the key reasons for our great reputation amongst our students.

We have some of the best university sports facilities and partnerships in the UK and an international reputation for sporting excellence - some of the world's top athletes come to train on our campus. We also have great links with sporting bodies and companies. If you are a talented athlete coming to study any subject at Brunel, there are opportunities for sport scholarships.

So, if you're passionate about sport and exercise and want to help others to flourish, be it in sport or everyday life, then one of our degree programmes could be right for you.

- ▶ **Sport, Health and Exercise Sciences BSc (Hons)**
- ▶ **Sport, Health and Exercise Sciences (Coaching) BSc (Hons)**
- ▶ **Sport, Health and Exercise Sciences (Human Performance) BSc (Hons)**
- ▶ **Sport, Health and Exercise Sciences (Sport Development) BSc (Hons)**
- ▶ **Sport, Health and Exercise Sciences with Business Studies BSc (Hons)**
- ▶ **Physical Education and Youth Sport BSc (Hons)**
- ▶ **Psychology (Sport, Health and Exercise) BSc (Hons)**

Why study Sport, Health and Exercise Sciences at Brunel?

As a Brunel student, you'll enjoy research-led teaching of the highest quality. This, coupled with our great location in London and our strong links with sports personnel, organisations and institutions at local, regional, national and international levels, will stand you in good stead for your future employment.

You'll learn through lectures, seminars and tutorials in our modern campus facilities. We combine innovative and traditional teaching methods with research and practical experience at partner facilities.

www.brunel.ac.uk/sport-health-and-exercise-sciences

“Some of our students achieve significant national sporting honours each year - we're proud to count Olympic, World, Commonwealth and European champions among our graduates - but 'sport and exercise for all' lies at the very heart of our philosophy.”

Lee Romer, Division Lead for Sport, Health and Exercise Sciences



Brunel is ranked in the World Top 100
and Top 10 in the UK for Sports subjects.
(QS World University Rankings by Subject 2017)

The first year is common to all courses except for Sport, Health and Exercise Sciences with Business Studies BSc and Psychology (Sport, Health and Exercise) BSc. You then select the pathway you'd like to follow in the second year.

There are compulsory modules for each pathway in Levels 2 and 3, which determines your ultimate degree title (e.g., Human Performance), as well as options that you can choose according to your particular areas of interest.

Our facilities include an Indoor Athletic Centre with international standard 400m six-lane running track; a state-of-the-art Sports Centre with squash, basketball and netball courts and climbing wall; and outdoor all-weather pitches and tennis courts.

Our modern physiology and biomechanics laboratories will give you the opportunity to gain hands-on experience of experimental techniques relevant to Sport Sciences disciplines.

We have strong links with sports personnel and organisations in the UK and worldwide.

Opt for a placement course and you'll gain fantastic work experience with one of our many partner organisations. Previous students have worked at London-based Premier League and Championship football clubs, IBM, Canon Europe, Access Sport, the English Institute of Sport, the Sutton Tennis Academy, plus many more.

You'll have the chance to apply to our American Exchange programme, spending a year at San Francisco State University. All undergraduate Sport, Health and Exercise Sciences students are eligible to apply and 2-4 are selected every year.

Sport, Health and Exercise Sciences BSc (Hons)

This generic course is the most popular choice with our students, largely because of the flexibility that it offers. After the first year, you can choose from the range of study blocks on offer in your second and third years, tailoring your degree programme to suit you.

“I chose to study at Brunel as the course is flexible with a wide variety of study blocks to choose from. I am particularly enjoying the hands-on experience in the laboratories. My work placement with Access Sport on the Ignite and BMX Legacy programme has helped me to learn about why people engage or disengage from physical activity and this complements my dissertation.”



Phoebe Dalley-White,
Sport, Health and Exercise Sciences BSc



WORK
PLACEMENTS



STUDY
ABROAD

UCAS codes

Sport, Health and Exercise Sciences BSc

C607 3 years full-time
C607 6 years part-time
C609 4 years full-time with placement

Entry criteria

BBC (A-level), DDD (BTEC), 29 points (IB)
For detailed subject and grade requirements, visit our website.

What you'll learn (typical modules)

Level 1

Modules: Fundamentals of Sport, Health and Exercise Sciences; Research and Learning Skills I; Physical Activity, Health and Wellbeing; Synoptic Study I; Physical Education and Sport Pedagogy; Introduction to the Social Sciences of Sport

Level 2

Compulsory modules: Physical Activity, Health and Wellbeing in the Lifecourse; Research and Learning Skills II; Work Based Learning; Synoptic Study II

Optional modules: Physical Literacy and Child Development; Pedagogy and Policy; Individual Needs; Biomechanics of Human Movement; Applied Sport and Exercise Physiology; Theory and Application in Sport and Exercise Psychology; Applying Sport Sciences to Practice: Coaching and Teaching Effectiveness; Delivery of Sports Development; Young People, Sport and Identity; Content Knowledge and Session Planning for the Development of Learning and Physical Literacy

Level 3

Compulsory modules: Major Project; Issues in Physical Activity, Health and Wellbeing; Employability and Professional Development; Synoptic Study III

Optional modules: Biomechanical Analysis Techniques; Physiology of the High Performance Athlete; Applied Sport and Exercise Psychology; Applying Sport Sciences to Practice: Training Principles; Pedagogy and Policy: Critical Issues; Sport, Media and Communication; Managing Sports Development; Physical Literacy and the Learning Environment

Sport, Health and Exercise Sciences (Coaching) BSc (Hons)

This course focuses on the evaluation and application of different pedagogical approaches in coaching. You'll develop your understanding of the learning needs of athletes.

What you'll learn (typical modules)

Level 1

Modules: Fundamentals of Sport, Health and Exercise Sciences; Research and Learning Skills I; Physical Activity, Health and Wellbeing; Synoptic Study I; Physical Education and Sport Pedagogy; Introduction to the Social Sciences of Sport

Level 2

Compulsory modules: Physical Activity, Health and Wellbeing in the Lifecourse; Research and Learning Skills II; Work Based Learning; Synoptic Study II; Physical Literacy and Child Development; Pedagogy and Policy; Individual Needs; Applying Sport Sciences to Practice: Coaching and Teaching Effectiveness

Optional modules: Biomechanics of Human Movement; Applied Sport and Exercise Physiology; Theory and Application in Sport and Exercise Psychology; Delivery of Sports Development; Young People, Sport and Identity

Level 3

Compulsory modules: Major Project; Issues in Physical Activity, Health and Wellbeing; Employability and Professional Development; Synoptic Study III; Applying Sport Sciences to Practice: Training Principles; Pedagogy and Policy: Critical Issues; Physical Literacy and the Learning Environment

Optional modules: all other Sport, Health and Exercise Sciences modules

Sport, Health and Exercise Sciences (Human Performance) BSc (Hons)

This course addresses the scientific principles underpinning sport, health and exercise sciences from the perspective of human performance.

What you'll learn (typical modules)

Level 1

Modules: Fundamentals of Sport, Health and Exercise Sciences; Research and Learning Skills I; Physical Activity, Health and Wellbeing; Synoptic Study I; Physical Education and Sport Pedagogy; Introduction to the Social Sciences of Sport



WORK
PLACEMENTS



STUDY
ABROAD

UCAS codes

Sport, Health and Exercise Sciences (Coaching) BSc (Hons)

C610 3 years full-time
C610 6 years part-time
C611 4 years full-time with placement

Sport, Health and Exercise Sciences (Human Performance) BSc (Hons)

C608 3 years full-time
C608 6 years part-time
C606 4 years full-time with placement

Apply at www.ucas.com

Entry criteria

BBC (A-level), DDD (BTEC), 29 points (IB)
For detailed subject and grade requirements, visit our website.

Level 2

Compulsory modules: Physical Activity, Health and Wellbeing in the Lifecourse; Research and Learning Skills II; Work Based Learning; Synoptic Study II; Biomechanics of Human Movement; Applied Sport and Exercise Physiology; Theory and Application in Sport and Exercise Psychology

Optional modules: Physical Literacy and Child Development; Pedagogy and Policy; Individual Needs; Delivery of Sports Development; Young People, Sport and Identity; Applying Sport Sciences to Practice: Coaching and Teaching Effectiveness

Level 3

Compulsory modules: Major Project; Issues in Physical Activity, Health and Wellbeing; Employability and Professional Development; Synoptic Study III; Biomechanical Analysis Techniques; Physiology of the High Performance Athlete; Applied Sport and Exercise Psychology

Optional modules: all other Sport, Health and Exercise Sciences modules

Sport, Health and Exercise Sciences (Sport Development) BSc (Hons)

On this course, you'll study topics relevant to sport development practices. These include sociology, management, law, media and policy.

What you'll learn (typical modules)

Level 1

Modules: Fundamentals of Sport, Health and Exercise Sciences; Research and Learning Skills I; Physical Activity, Health and Wellbeing; Synoptic Study I; Physical Education and Sport Pedagogy; Introduction to the Social Sciences of Sport

Level 2

Compulsory modules: Physical Activity, Health and Wellbeing in the Lifecourse; Research and Learning Skills II; Work Based Learning; Synoptic Study II; Delivery of Sports Development; Young People, Sport and Identity

Optional modules: Biomechanics of Human Movement; Applied Sport and Exercise Physiology; Theory and Application in Sport and Exercise Psychology; Applying Sport Sciences to Practice: Coaching and Teaching Effectiveness; Physical Literacy and Child Development; Pedagogy and Policy: Individual Needs

Level 3

Compulsory modules: Major Project; Issues in Physical Activity, Health and Wellbeing; Employability and Professional Development; Synoptic Study III; Sport, Media and Communication; Managing Sports Development

Optional modules: all other Sport, Health and Exercise Sciences modules



WORK
PLACEMENTS



STUDY
ABROAD

UCAS codes

Sport, Health and Exercise Sciences (Sport Development) BSc (Hons)

C621 3 years full-time
C621 6 years part-time
C620 4 years full-time with placement

Apply at www.ucas.com

Entry criteria

BBC (A-level), DDD (BTEC), 29 points (IB)

For detailed subject and grade requirements, visit our website.

“Coming to Brunel was the best decision I've made in my entire life! My course has helped me to improve my scientific skills especially in physiology, which has taught me how to evaluate how the human body works.”

Jake Bernard, Sport, Health and Exercise Sciences (Human Performance) BSc



Physical Education and Youth Sport BSc (Hons)

This course will develop your understanding of youth sport as well as physical education within sport, health and exercise sciences.

What you'll learn (typical modules)

Level 1

Modules: Fundamentals of Sport, Health and Exercise Sciences; Research and Learning Skills I; Physical Activity, Health and Wellbeing; Synoptic Study I; Physical Education and Sport Pedagogy; Introduction to the Social Sciences of Sport

Level 2

Compulsory modules: Physical Activity, Health and Wellbeing in the Lifecourse; Research and Learning Skills II; Work Based Learning; Synoptic Study II; Physical Literacy and Child Development; Pedagogy and Policy: Individual Needs

Optional modules: Work Placement Workshops

Level 3

Compulsory modules: Major Project; Issues in Physical Activity, Health and Wellbeing; Employability and Professional Development; Synoptic Study III; Applying Sport Sciences to Practice: Training Principles; Pedagogy and Policy: Critical Issues; Sport, Media and Communication; Physical Literacy and Learning Environment



WORK
PLACEMENTS



STUDY
ABROAD

UCAS codes

Physical Education and Youth Sport BSc (Hons)

CX36 3 years full-time
CX36 6 years part-time
CX3P 4 years full-time with placement

Apply at www.ucas.com

Entry criteria

BBC (A-level), DDD (BTEC), 29 points (IB)

For detailed subject and grade requirements, visit our website.



Sport, Health and Exercise Sciences with Business Studies BSc (Hons)

This joint honours degree combines sport, health and exercise sciences with studies in management, organisational behaviour, marketing and entrepreneurship.

What you'll learn (typical modules)

Level 1

Modules: Fundamentals of Sport, Health and Exercise Sciences; Research and Learning Skills; Physical Activity, Health and Wellbeing; Synoptic Study I; Introduction to Management Enquiry; Organisational Behaviour and Analysis; Principles and Practice of Marketing

Level 2

Compulsory modules: Managing Change and Creativity in Organisations

Optional modules: Biomechanics of Human Movement; Applied Sport and Exercise Physiology; Theory and Application in Sport and Exercise Psychology; Applying Sport Sciences to Practice: Coaching and Teaching Effectiveness; Delivery of Sports Development; Marketing Communication; HR Management and its International Dimensions

Level 3

Compulsory modules: Entrepreneurship and Small Business Ventures

Optional modules: Managing Sports Development; Biomechanical Analysis Techniques; Physiology of the High Performance Athlete; Applied Sport and Exercise Psychology; Applying Sport Sciences to Practice: Training Principles; Gender and Organisations; Innovation and Knowledge Management



WORK
PLACEMENTS



STUDY
ABROAD

UCAS codes

Sport, Health and Exercise Sciences with Business Studies BSc (Hons)

C6ND 3 years full-time
C6ND 6 years part-time
C6NC 4 years full-time with placement

Apply at www.ucas.com

Entry criteria

BBC (A-level), DDD (BTEC), 29 points (IB)

For detailed subject and grade requirements, visit our website.

“I particularly enjoyed the business aspect of my degree because it gives me a different perspective and provides me with a mix of business and scientific skills. During my placement I created an online database linked to sport recovery and learned skills to enhance my employability when I graduate.”

Alexander Awofisan, Sport, Health and Exercise Sciences with Business Studies BSc



Psychology (Sport, Health and Exercise) BSc (Hons)

This course is jointly delivered by the divisions of Psychology and Sport, Health and Exercise Sciences. It's ideal for students with an interest in pursuing a career in the psychology of sport, exercise and/or physical activity.

What you'll learn (typical modules)

Level 1

Modules: Foundations of Psychology I: Learning and Social Psychology; Foundations of Psychology II: Brain and Cognition; Research Methods; Statistics; Psychological Perspectives on Contemporary Issues; Physical Activity, Health and Wellbeing; Introduction to the Psychology of Sport and Exercise

Level 2

Modules: The first six modules in Psychology, plus Physical Activity, Health and Wellbeing in the Lifecourse; The Psychology of Sport, Exercise and Physical Activity: Theory and Application

Level 3

Compulsory modules: Advanced Issues in Social Psychology; Advanced Issues in Individual Differences; Issues in Physical Activity, Health and Wellbeing; Applied Sport and Exercise Psychology; Individual Project

Optional modules: Inter-group Relations; Drugs, Hormones and the Brain; Cross-Cultural Psychology; Clinical Aspects of Eating Disorders

Getting ready for work

The most recent report from Destinations of Leavers in Higher Education (2015/16) showed that 94% of our graduates were in employment and/or further study within six months of leaving the course.

Our graduates are employed in national and regional sports councils, governing bodies for sport, sports clothing companies, professional sport clubs and local authorities.



WORK
PLACEMENTS



STUDY
ABROAD

UCAS codes

Psychology (Sport, Health and Exercise) BSc (Hons)

C802 3 years full-time
C803 4 years full-time with placement

Apply at www.ucas.com

Entry criteria

BBB (A-level), DDD (BTEC), 30 points (IB)

For detailed subject and grade requirements, visit our website.

