Anthropology offers a means for understanding cultural and social diversity in the modern world. It 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 also addresses questions about human nature, such as, ‘What do we have in common with each other cross-culturally?’ and ‘What makes us different?’

Our degree programmes combine innovative and classical teaching methods with leading-edge research, and recognise the value of practical experience in the learning process.

Teaching and Assessment
You will be taught through lectures, seminars and tutorials with one-to-one supervision for your final project. You will take part in practical modules and conduct field research. Methods of assessment vary and may include coursework, seen or unseen exams and other projects and tasks.

Placements
The four-year sandwich course gives you the opportunity to gain professional work experience in a variety of settings, both in the UK and abroad, to help you succeed in the job market.

Employability
Our graduates find jobs in education, NGOs, international development, the charity sector, medical and health professions, film, journalism and business.

About the Course
Anthropology BSc

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Our degree programmes combine innovative and classical teaching methods with leading-edge research, and recognise the value of practical experience in the learning process.
requiring knowledge of social and cultural processes.

98% of students were satisfied overall

Typical Modules
• Introduction to Anthropology: Themes and Debates
• Introduction to Anthropology: Beliefs and Ways of Thinking
• Fieldwork Encounters: Thinking Through Ethnography
• Anthropology through Film
• Research Methods
• Ethnicity, Culture and Identity
• Anthropology and Contemporary Debates
• Ethnography of Selected Regions
• Classical Anthropological Theory
• Political and Economic Issues
• Kinship, Sex and Gender
• Contemporary Anthropological Theory
• Anthropology and Global Health
• Medical Anthropology
• Sociology of Everyday Life
• The Anthropology of the Body
• The Anthropology of the Person
• The Anthropology of Childhood and Youth
• The Anthropology of Education and Learning
• The Anthropology of International Development
• Themes in Psychological and Psychiatric Anthropology
• Anthropology of Objects and Images
• Global Communication

BSc Entry Criteria
GCE A-level ABB.
IB Diploma 33 points.
BTEC Level 3 Extended Diploma D*DD in a related subject.
For BTEC Level 3 and A-level combinations see the course web page.
Access to HE Diploma Complete and pass a related subject Access course with 45 credits at Level 3, of which 30 credits must be at Distinction and 15 credits at Merit or higher.
In addition 5 GCSEs or equivalent at Grade C or above, to include English and Maths, are required.

Contact Dr William Rollason

sens-enquiries@brunel.ac.uk
+44 (0)1895 265952

Not only have I been able to tremendously build up my CV, I have been able to do one of my placements in Peru!

Dianna Reid
Biomedical Sciences BSc

About the Course
These degree courses cover a wide range of subjects in relation to human health, disease and treatment. You will develop practical, analytical and transferable skills and will be taught by academics who are renowned scientists. In your final year you will have the opportunity to contribute to our research programmes in cellular and biochemical pathways, the regulation of gene expression, DNA repair and immunological responses to microbial infection. Our Research Centres include The Brunel Institute for Cancer Genetics and Pharmacogenomics, The Centre for Cell and Chromosome Biology and the Centre for Immunology, Infection and Disease Mechanisms.

We have extensive state-of-the-art teaching and research laboratories, including a new containment Level 3 laboratory for research on tuberculosis and a bioimaging suite that houses 4D image capture and analysis equipment.

You can follow the mainstream Biomedical Sciences degree or gain specialist knowledge in a specific area. You can transfer between pathways at the end of Level 1.

The Biochemistry pathway explores the role of various metabolic pathways and how alterations of these can lead to specific human diseases.

The Forensic pathway emphasises the basic principles of forensic investigation and analysis and their application to the study of criminal activities.

The Genetics pathway emphasises how genetic mutations alter cellular processes and biomechanical pathways in normal metabolism and how these may be altered during human disease.

The Human Health pathway focuses on the role of infectious organisms in disease and how human activities can lead to disease transmission.

The Immunology pathway provides a greater understanding of the role of the immune system in preventing human disease and focuses on how deficiencies in immunity can result in disease susceptibility.

Teaching and Assessment
The course is taught through a mixture of lectures, seminars and practical laboratory sessions. You will have one-to-one supervision for your final year project.

Learning is assessed in assessment blocks and includes coursework and formal written examinations that test knowledge, understanding, problem solving and data interpretation.
Employability

The Career and Professional Skills study blocks develop employability skills alongside further practical skills needed by biomedical scientists. You will have the opportunity to practice collecting, collating, interpreting and presenting numerical and literary data, laboratory skills, research skills, oral presentation skills, IT skills, report writing, self-management and organisation.

Careers

The course allows you to develop skills applicable to a wide range of employment opportunities such as medicine, postgraduate study, pharmaceutical research, pathology, diagnosis, clinical trials, scientific journalism, medical writing and data management. For those wishing to pursue a career as an NHS medical laboratory scientific officer, please note these courses are not IBMS accredited.

Placements

Your employability will be increased by undertaking a one-year work placement at a company or institution. Opportunities include pharmaceutical research at AstraZeneca or GlaxoSmithKline, basic research at various institutions (cancer research, infectious diseases, Alzheimer’s disease and others), hospital pathology laboratory diagnosis, and data management.

Typical Study Blocks

(Compulsory and some optional)
- The Human Body: Principles of Anatomy and Physiology
- Biochemistry: Structure and Function
- Biology of the Cell
- Practical Skills
- Research Skills
- Critical Thinking
- Molecular and Cellular Biology
- Genetic Engineering and Immunobiology
- Principles of Human Disease
- Career Skills
- Analytical Biochemistry
- Metabolic Regulation
- Genetics and Development
- Medical Microbiology
- Final Year Project
- Microbial Pathogenesis
- Forensic Technologies
- Genomic Technologies
- Medical Biochemistry
- Biology and Treatment of Cancer
- Cellular Pathologies
- Endocrine Disorders
- Genomic Medicine
- Medical Immunology
- Molecular Pharmacology and Toxicology

Entry Criteria

GCE A-level ABB, including Biology, Human Biology, Chemistry or Physics.

IB Diploma 33 points, including 6 in Higher level Biology, Chemistry or Physics.

BTEC Level 3 Extended Diploma D*DD in a related science subject.

For BTEC Level 3 and A-level combinations see the course web page.

Access to HE Diploma

Complete and pass Access to Science course with 45 credits at Level 3, of which 30 credits must be at Distinction and 15 credits at Merit or higher. All Biology and Chemistry units must be Distinctions at Level 3.

In addition 5 GCSEs or equivalent at Grade C or above, to include English and Maths, are required.
This degree will equip you with a broad business and management background and the skills required to understand, analyse and address issues faced by today’s companies.

The general Business and Management pathway covers all the fundamental elements of Business and Management with a range of optional modules to choose from.

The accounting pathway gives students a broad overview of management issues with a specialist knowledge of the applications of accountancy to the world of commerce.

The marketing pathway develops in-depth understanding of marketing functions. It offers the chance to explore fundamental principles of major aspects of modern day marketing, such as market research, database marketing, exporting and marketing of not-for-profit services.

If you pass certain modules, you will be exempt from some entry level examinations of the Chartered Institute of Marketing (CIM), the Chartered Institute for Management Accountants (CIMA), the Association of Chartered Certified Accountants (ACCA) and the Institute of Chartered Accountants in England and Wales (ICAEW).

You will be taught using a variety of methods including lectures, seminars, workshops and discussion groups. You will receive one-to-one supervision for your dissertation. Assessment includes exams, written assignments, practical projects and presentations.

Business Life, our employability programme, is delivered in association with leading employers. You will gain an impressive portfolio of work experience, industry contacts and skills from workshops, taster sessions, networking events, CV clinics and more.

On average 80.1% of our graduates were working or combining work with further study six months after graduating.

Our courses offer a year on work placement. Employers include IBM, British Airways, Microsoft, Walt Disney, and PricewaterhouseCoopers. Many students are offered employment with their placement company upon graduation.

Popular choices include graduate management schemes offered by blue-chip recruiters and the financial sector, with students securing positions in major investment banks, as well as HR and marketing roles.
Illustrative Modules

All pathways

- Management Enquiry
- Organisational Behaviour and Analysis
- Introduction to Accounting
- Principles and Practices of Marketing
- International Business Environment

General pathway

- Operations Management
- Marketing Communications
- Managing Change and Creativity in Organisations
- Project Management
- Human Resource Management
- Critical Perspectives in Management
- Strategic Management
- Issues and Controversies in Management Project
- Business Ethics, Environmental Sustainability and Governance
- Gender and Organisations
- Entrepreneurship and Small Business Ventures
- International Marketing
- Innovation and Knowledge Management

Accounting pathway

- Management Accounting – Decision Making
- Introduction to Business Law
- Quantitative Methods in Business and Management
- Accounting Information Systems
- Principles and Practices of Financial Accounting
- Management Accounting – Planning and Control
- Issues and Controversies in Accounting Project
- Auditing
- Taxation
- Strategic Management
- Financial Management
- Entrepreneurship and Small Business Ventures
- Business Ethics, Environmental Sustainability and Governance

Marketing pathway

- Marketing Research
- Marketing Communications
- Marketing Channels and Logistics
- Consumer Behaviour
- Issues and Controversies in Marketing Project
- International Marketing
- Strategic Marketing
- Database and Customer Relationship Management
- Critical Perspectives in Management
- Internet Marketing
- Business Ethics, Environmental Sustainability and Governance
- Entrepreneurship and Small Business Ventures
- The Management of Retailing

BSc Entry Criteria

GCE A-level AAB – ABB. Typical offer AAB.

IB Diploma 35 points

BTEC Level 3 Extended Diploma D*D*D in Business or a Business related subject.

For BTEC Level 3 and A-level combinations see the course web page.

Access to HE Diploma Complete and pass Access to Business or related subject course with 45 credits at Level 3 Distinction and 15 credits at Level 2. Applicants should also have some relevant work experience.

In addition 5 GCSEs or equivalent at Grade C or above, to include English and Maths, are required.

Contact Business School Enquiries Desk bachelorbbs@brunel.ac.uk +44 (0)1895 267124
International Business BSc

UCAS Codes

International Business BSc
N120  3 years  
N121  4 years  

= full-time
= thick-sandwich

About the course

The International Business programme will provide you with the fundamentals of national and international market economies and the multivalent forces that shape the operating environments of organisations, both nationally and internationally. This course places emphasis on globalisation and issues relating to multinational enterprises (MNEs).

You will develop an understanding of topics including emerging markets, international relations, international marketing and business strategy, business ethics and more to equip you with the knowledge and skills necessary for a career overseas with multinationals or working with international clients.

Teaching and Assessment

Many of our lecturers have worked as consultants for major companies worldwide, and have practical experience in business or have run their own companies. You will be taught using a variety of methods including lectures, seminars, workshops and discussion groups. In your final year you will receive one-to-one supervision for your dissertation. Assessment is by a variety of methods but includes traditional exams, written assignments, practical and creative design projects and individual and group presentations.

On average 86% of our graduates were working or combining work with further study six months after graduating.

Employability

Business Life, our unique employability programme, is available to all of our students alongside their academic study. It is delivered in association with leading employers from business, industry and the public sector. By the time you graduate you will have an impressive portfolio of work experience, certificates, industry contacts and skills from our training courses, industry taster sessions, networking events, CV development sessions and more.

Placements

Our courses offer the chance to spend a year on work placement. Employers of placement students from Brunel include IBM, Lloyds TSB, British Airways,
Orange, Microsoft, Warner Bros, PricewaterhouseCoopers and Nissan. Many students are offered employment with their work placement company on graduating.

**Careers**

International Business will prepare students for a wide range of opportunities within or associated with multi-national organisations such as banks, NGOs, charities and international brands. On average 86% of our graduates were working or combining work with further study six months after graduating. This figure was substantially higher for students who opted for the Placement option.

**Typical Modules**

- Management Enquiry
- Organisational Behaviour and Analysis
- Managing Information with Technology
- Accounting
- Marketing
- International Business Environment
- International Business in Emerging Markets
- International Relations
- International Marketing
- Economics
- Human Resource Management and its International Dimensions
- Quantitative Methods
- Issues and Controversies in Management Project
- International Business Strategy
- Work Placement in Context
- Technology Management
- Globalisation and Governance
- Business Ethics, Environmental Sustainability and Governance
- Entrepreneurship and Small Business Ventures

**Entry Criteria**

**GCE A-level**

AAB – ABB. Typical offer AAB.

**IB Diploma**

35 points

**BTEC Level 3 Extended Diploma**

D*D*D in Business or a Business related subject.

For **BTEC Level 3** and **A-level** combinations see the course web page.

**Access to HE Diploma**

Complete and pass Access to Business or related subject course with 45 credits at Level 3 Distinction and 15 credits at Level 2. Applicants should also have some relevant work experience.

In addition 5 GCSEs or equivalent at Grade C or above, to include English and Maths, are required.

**Contact** Business School Enquiries Desk

✉ bachelorbbs@brunel.ac.uk

📞 +44 (0)1895 267124

www.brunel.ac.uk/courses

Check the Web for up-to-date course, entry criteria and fees information

For my final year project I looked at how businesses prepare to ensure continuity in the face of continuing threat

Roneal Fernando
Civil Engineering BEng/MEng

About the Course
The next few decades promise to be among the most challenging ever for the Civil Engineering community. Increasing populations, progressive urbanisation, ongoing economic development and climate change present many threats to infrastructure, so civil engineers need to draw deeply on their knowledge, skills and creativity to provide essential, sustainable facilities.

This course aims to produce the next generation of leading Civil Engineers fully equipped to play leading professional roles in industry and the wider community. We will introduce you to mainstream civil engineering knowledge, understanding and practice, ranging from geotechnical site assessment to the sustainable design and assessment of structures.

Our course has been designed as a ‘hands-on’ learning experience. You will learn fundamental theory, and then test and apply that theory through design in the laboratory, using advanced software, and during field work.

Accreditation
This course is accredited by the Institution of Civil Engineers, the Institution of Structural Engineers, the Chartered Institution of Highways and Transportation, and the Institute of Highway Engineers.

Teaching and Assessment
Our philosophy is to underpin theoretical aspects of the subject with hands-on experience. You will be taught via lectures, laboratories and design studios plus one-to-one supervision for your final project. You will undertake assignments, project work, essays, reports on laboratory practicals, oral presentations, short tests and exams. A residential field course also takes place in Level 1.

Placements
This programme enables you to gain high-quality, relevant professional experience which is sought by employers. This puts graduates in a strong position when entering the job market. Students who complete the thick-sandwich course will be awarded their degree ‘with Professional Development’.

Employability
This course will provide you with the transferable skills and knowledge necessary for you to go on to play a leading professional role in industry. Graduates will help

UCAS Codes

Civil Engineering BEng
H204 3 years
H206 4 years

Civil Engineering MEng
H205 4 years
H207 5 years

= full-time
THICK = thick-sandwich
fill the increasing demand for high-quality civil engineers.

**Careers**
Contractors and consultants working on large infrastructure projects such as bridges, tall buildings, tunnels, flood defence schemes, transport and power generation are likely environments for many of our graduates. Some progress to posts of responsibility 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 building services engineering.

**Typical Modules**
- Construction and Sustainability
- Geotechnical Engineering and Surveying
- Fundamentals of Structures
- Fluid Mechanics
- Analytical Methods and Skills
- Professional Skills
- Structural Design
- Civil Engineering Materials
- Geotechnical Engineering
- Civil Engineering Hydraulics
- Structural Mechanics
- Sustainable Construction and Professional Skills
- Major Individual Project
- Construction Contracts, Business and Sustainability
- Steel and Concrete Design
- Innovative Construction Materials
- Structural Analysis

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**MEng**
- Major Group Project
- Sustainable Construction, Management and Professional Studies
- Structural Design and FEA
- Risk and Financial Management
- Water Infrastructure Engineering
- Earthquake and Disaster Relief Engineering

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**BEng Entry Criteria**
GCE A-level ABB, including Maths and a Science or Technology subject (General Studies and Critical Thinking not accepted).

IB Diploma 33 points, including 6 in Higher level Maths and 6 in a Higher level Science or Technology subject.

BTEC Level 3 Extended Diploma D*D*D* to include Distinctions in Further Mathematics for Technicians, and Further Mechanical Principles or equivalent.

For BTEC Level 3 and A-level combinations see the course web page.

Access to HE Diploma courses are not accepted for the MEng entry. Access students should apply for the BEng in this subject. Those who achieve the progression requirements on our degree can transfer to the MEng at the end of Level 2.

For Engineering with an Integrated Foundation Year entry see page 148.

For both BEng and MEng programmes 5 GCSEs or equivalent at Grade C or above, to include English and Maths, are required.

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**Contact** Dr Mujib Rahman  ce-ug-admissions@brunel.ac.uk +44 (0)1895 266633

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www.brunel.ac.uk/courses
Check the Web for up-to-date course, entry criteria and fees information

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BEng ABB
MEng AAA
Civil Engineering with Sustainability BEng/MEng

UCAS Codes

Civil Engineering with Sustainability BEng

H200 3 years
H201 4 years

Civil Engineering with Sustainability MEng

H202 4 years
H203 5 years

= full-time
= thick-sandwich

About the Course
Sustainability is at the heart of modern Civil Engineering. Increasing demand, higher standards, risk exposure and finite resources mean engineers who can combine technical expertise with creativity and professionalism are needed.

This course provides a mainstream education in Civil Engineering, with a particular focus on sustainable infrastructure design and development. We will introduce you to essential technical knowledge, ranging from surveying and site assessment to designing structures and environmental engineering.

Our course has been designed as a ‘hands-on’ learning experience. You will learn fundamental theory, and then test and apply that theory in the laboratory, using advanced software, and during field work. Professional engineers working with major clients, consultancies and contractors contribute to the course delivery, bringing real world experience to the course.

Accreditation
This course is accredited by the Institution of Civil Engineers, the Institution of Structural Engineers, the Chartered Institution of Highways and Transportation, and the Institute of Highway Engineers.

The MEng degree course has been accredited as fully satisfying the educational base for a Chartered Engineer (CEng). The BEng degree course fully satisfies the educational base for an Incorporated Engineer (IEng); it partially satisfies the educational base for a Chartered Engineer (CEng).

Teaching and Assessment
Our philosophy is to underpin theoretical aspects of the subject with hands-on experience. You will be taught via lectures, laboratories and design studios plus one-to-one academic supervision for your final project.

You will undertake assignments, project work, essays, reports on laboratory practicals, oral presentations, short tests and exams. A residential field course also takes place in Level 1.

Placements
The sandwich degree enables you to gain high-quality, relevant professional experience which is sought by employers.

Employability
This course will equip you with the transferable skills and knowledge necessary to go on to play a leading role in industry and
the wider community. Our MEng students have a number of job offers before they graduate. If you enter on the BEng route, you can transfer to the MEng programme at the end of Level 2 by obtaining a pre-set progression standard.

Careers

Contractors and consultants working on large infrastructure projects such as flood and coastal defence schemes, transport, water treatment and low-carbon energy generation including off-shore wind farms, are likely environments for many of our graduates. Some take posts with national and local government agencies or major firms of consulting engineers. Others specialise in fields such as construction, sustainability, innovative materials, foundation engineering, tunnelling, geotechnical exploration or building services engineering, both in the UK and overseas. Recent graduates have secured positions at Atkins, URS-Scott Wilson, Mace, Clancy Docwra, UKDN Waterflow and Morgan Sindall.

Typical Modules

- Construction and Sustainability
- Geotechnical Engineering and Surveying
- Fundamentals of Structures
- Fluid Mechanics
- Analytical Methods and Skills
- Professional Skills
- Structural Design
- Civil Engineering Materials
- Geotechnical Engineering
- Civil Engineering Hydraulics
- Structural Mechanics

- Sustainable Infrastructure and Professional Skills
- Major Individual Project
- Construction Contracts, Business and Sustainability
- Steel and Concrete Design
- Water Engineering
- Sustainable Infrastructure Development

MEng Entry Criteria

GCE A-level AAA, including Maths and a Science or Technology subject (General Studies and Critical Thinking not accepted).

IB Diploma 37 points, including 6 in Higher level Maths and 6 in a Science or Technology subject

BTEC Level 3 Extended Diploma D*D*D* to include Distinctions in Further Mathematics for Technicians, and Further Mechanical Principles or equivalent.

For BTEC Level 3 and A-level combinations see the course web page.

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Contact Dr Mujib Rahman

ce-ug-admissions@brunel.ac.uk

+44 (0)1895 266633

www.brunel.ac.uk/courses

Check the Web for up-to-date course, entry criteria and fees information
About the Course

You will gain a good understanding of how information technology and computer-based systems can facilitate the needs of business. This course will equip you to assess what computing solution is appropriate in a given circumstance. Our degrees emphasise the acquisition of concepts and skills which will enable you to design creatively and professionally. The course balances theory with ‘real world’ practice in information and computer management.

The course allows you to continue with general Business Computing or to specialise in your final year in eBusiness, Human-Computer Interaction or Social Media.

We have a high-quality infrastructure including more than 250 computers and servers for exclusive use – all running state-of-the-art software. The Department is a member of the Microsoft DreamSpark program and the Apple iOS Academic Developer Programme and is an nVidia CUDA Teaching Centre.

We have excellent links with business – our lecturers often work as consultants for major blue chip companies.

Teaching and Assessment

We take an innovative and highly participative approach to teaching that is supported by state-of-the-art subject understanding and the advice of our Industry Advisory Board. We are always willing to provide practical guidance to students. You will be taught using a variety of methods including lectures, seminars, laboratory work, small group sessions and one-to-one supervision.

Assessment methods vary and may be based entirely on coursework, entirely on examination or on a combination of both. Coursework may take the form of presentations, projects, reports/essays and practical...
work such as programming or simulation modelling.

**Placements**

Students who choose the professional placement option will gain high-quality, paid professional experience in the UK or abroad.

**Employability**

Our courses have been created to include all the latest innovations taking place in the field of computing. They include a large range of subjects and specialised options which give you great flexibility of choice. Our aim is to prepare you to enter commercial careers where you will become problem solvers, communicators and team leaders. Group project work takes place at each level so you can acquire project management and teamworking skills.

**Careers**

Our graduates have a wide range of careers open to them and students who undertake the Professional Placement are particularly in demand. Recent graduates have gone on to work for companies and organisations including Accenture, Apple, Cisco Systems, Electronic Arts, Sky, and Virgin Media in roles such as software engineers, analyst programmers, business analysts, systems analysts, network engineers, web developers, and IT consultants.

**Typical Modules**

- Group Projects
- Introductory Programming
- Data and Information
- Information Systems and Organisations
- Logic and Computation
- Software Development and Management
- Usability Engineering
- Business Analysis and Process Modelling
- ICTs in Society
- Final Year Project
- Software Project Management
- Advanced Topics in Business Computing
- eBusiness
- Human Computer Interaction
- Social Media

**Entry Criteria**

- **GCE A-level** AAB-ABB. Typical offer AAB.
- **IB Diploma** 35 points
- **BTEC Level 3 Extended Diploma** D*D*D in a computing subject.

For **BTEC Level 3 and A-level** combinations see the course web page.

**Access to HE Diploma** Complete and pass a related computing Access course with 45 credits at Level 3, of which 30 credits must be at Distinction and 15 credits at Merit or higher.

In addition 5 GCSEs or equivalent at Grade C or above, to include English and Maths, are required.

For **Information Systems, Computing and Mathematics with an integrated Foundation Year** see page 149.

**Contact** Dr Nayna Patel  comp.ug.admissions@brunel.ac.uk  +44 (0)1895 265849

Check the Web for up-to-date course, entry criteria and fees information

www.brunel.ac.uk/courses

www.brunel.ac.uk/courses
Computer Science BSc

About the Course
This course balances theory with ‘real world’ practice in information and computer management. You will gain a good understanding of computer science and a grasp of the important elements of a computer system. You’ll learn how to build different types of software – from web-based systems to mobile solutions. In the final year you’ll take core modules in advanced computer science and choose options including Artificial Intelligence, Digital Media and Games, Network Computing and Software Engineering.

You will learn about the efficient design of software and the various techniques that can be applied to software design, development and verification. You will also produce your own software.

Many of our staff have backgrounds in the computer industry in areas including applied computing research, information systems, software engineering, knowledge-based systems, and simulation modelling. This means we are always on top of industry developments.

We have a high quality infrastructure including more than 250 computers and servers for exclusive use – all running state-of-the-art software. The department is a member of the Microsoft DreamSpark program, the Apple iOS Academic Developer Programme and is an nVidia CUDA Teaching Centre.

BCS accreditation
The course offers full exemption from the British Computer Society’s professional examinations, allowing graduates to attain professional membership of the Society (MBCS) after a shortened period of relevant experience and training. The course also fully satisfies the academic requirement for registration as an Incorporated Engineer (full IEng accreditation) and part of the academic requirement for registration as a Chartered Engineer (partial CEng accreditation).

Our graduates work for Accenture, Apple, Sky, Virgin Media, Cisco Systems and Electronic Arts

Teaching and Assessment
We take an innovative and highly participative approach to teaching that is supported by state-of-the-art subject understanding and the advice of our Industry Advisory Board. You will be taught using various methods, including lectures, laboratory work and small group activities. You will receive one-to-one supervision for your final project.

Assessment methods vary and will include exams and coursework. Coursework may take the form of presentations, projects, reports, essays and practical work such as programming or simulation modelling.

Placements
Students who choose the placement option will gain

UCAS Codes

<table>
<thead>
<tr>
<th>Course</th>
<th>Code</th>
<th>Duration</th>
<th>Type</th>
</tr>
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<td>3 years</td>
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<tr>
<td>G407</td>
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<td>THICK</td>
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<tr>
<td>Computer Science (Artificial Intelligence) BSc</td>
<td>G701</td>
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<tr>
<td>G700</td>
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<tr>
<td>Computer Science (Digital Media and Games) BSc</td>
<td>G450</td>
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<td>FT</td>
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<tr>
<td>G451</td>
<td>4 years</td>
<td>THICK</td>
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<tr>
<td>Computer Science (Network Computing) BSc</td>
<td>G424</td>
<td>3 years</td>
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<td>G423</td>
<td>4 years</td>
<td>THICK</td>
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<tr>
<td>Computer Science (Software Engineering) BSc</td>
<td>G601</td>
<td>3 years</td>
<td>FT</td>
</tr>
<tr>
<td>G602</td>
<td>4 years</td>
<td>THICK</td>
<td></td>
</tr>
</tbody>
</table>

\( \text{FT} = \text{full-time} \)
\( \text{THICK} = \text{thick-sandwich} \)
high-quality, paid professional experience in the UK or abroad.

Employability
Our courses have been created to include all the latest innovations taking place in the field of computing. They include a large range of subjects and specialised options which give you great flexibility of choice. Our aim is to prepare you to enter commercial careers where you will become problem solvers, communicators and team leaders.

Careers
Our graduates have a wide range of careers open to them and students who undertake the Professional Placement are particularly in demand. Recent graduates have gone on to work for major companies in roles such as software engineers, programmers, systems analysts, network engineers, web developers, web designers and IT consultants.

Typical Modules
- Group Projects
- Introductory Programming
- Data and Information
- Information Systems and Organisations
- Logic and Computation
- Software Development and Management
- Usability Engineering
- Algorithms and their Applications
- Networks and Operating Systems
- Final Year Computer Science Project
- Software Project Management
- Advanced Topics in Computer Science
- Artificial Intelligence
- Software Engineering
- Network Computing
- Digital Media and Games

Entry Criteria
GCE A-level AAB-ABB. Typical offer AAB.

IB Diploma 35 points

BTEC Level 3 Extended Diploma D*D*D in a computing subject.

For BTEC Level 3 and A-level combinations see the course web page.

Access to HE Diploma Complete and pass a related computing Access course with 45 credits at Level 3, of which 30 credits must be at Distinction and 15 credits at Merit or higher.

In addition 5 GCSEs or equivalent at Grade C or above, to include English and Maths, are required.

For Information Systems, Computing and Mathematics with an Integrated Foundation Year entry see page 149.

I have a passion for computer science and the Brunel course seemed just right. The facilities are first rate.

James Sutton

Contact Dr Nayna Patel comp.ug.admissions@brunel.ac.uk +44 (0)1895 265849

www.brunel.ac.uk/courses Check the Web for up-to-date course, entry criteria and fees information
Creative Writing BA

About the Course

The creative writing programme at Brunel is one of the oldest-established in the UK and is taught by a range of staff who regularly produce bestselling novels, screenplays for major movies or journalism for the best of the British and international press. We combine this expertise with a supportive environment for students looking to break into writing.

You will work within a vibrant academic discipline that specialises in contemporary literature and culture. Whether you're interested in travel writing, journalism, comedy screenwriting, performance poetry, the short story or the contemporary novel, this forward-thinking, industry-focused course will help you achieve your best.

You will be taught by leading professional writers including Benjamin Zephaniah and Will Self

This course will give you a secure foundation in the techniques of writing fiction, drama and poetry,

UCAS Codes

Creative Writing BA
W800  3 years  
4.5-6 years  

English and Creative Writing BA
Q3W8  3 years  
4.5-6 years  

Games Design and Creative Writing BA
WW28  3 years  
4.5-6 years  

Theatre and Creative Writing BA
W4WW  3 years  
4-7 years  

= full-time
= part-time

I initially chose Brunel for my course's content, but was persuaded even more when I visited the campus by both the clean and welcoming nature of the University

Sophie Lockhart
and introduce you to the idea of writing as a profession. You will be able to develop your own creativity and explore different genres of writing under the guidance of experienced staff and practicing writers. Good writing and creative skills have never been more important, especially for anyone seeking a career in the burgeoning creative industries.

In the final year you will undertake a major writing project. You will also work on a critical project that supports your writing – so if you choose to write a film comedy, you will be encouraged to study contemporary screen comedy. This is your opportunity to pursue your individual interest – whether it’s writing an epic poem or a portfolio of journalism, we have members of staff who will share your enthusiasm and help you to achieve your goal.

Teaching and Assessment

You will be taught through various methods such as lectures, tutorials, workshops, screenings and seminars. You will receive one-to-one supervision for your final year project and as required throughout the course. Assessment is by a combination of writing portfolios, essays, projects, and presentations.

Employability

The mastery of language and the ability to research topics, process information and express ideas, all of which Creative Writing confers, are workplace skills which are highly valued by employers in many fields. We work closely with agents, publishers, producers and other key industry professionals, not only to give you the best opportunity to understand the industries through which your writing will reach its audience, but also to give you the best introduction to the writing professions through the career-focused Creative Writing and the Creative Industries module.

Careers

This course is an ideal foundation for those wanting to move directly into the writing professions or the creative industries, and has been designed to develop confidence, skills and awareness in those who opt to follow our career-focused MA programmes. Graduates have also moved into publishing, journalism, advertising, film and television, business writing, public relations and teaching. Past students have gone on to work in companies such as the BBC and Universal Studios, as well as publishing novels, having plays produced and screenwriting.

Typical Modules

- English in Evolution
- Writing Drama
- Writing Fiction
- Thinking about Literature
- Writing Poetry
- Writing the Short Story
- Writing Journalism
- Screenwriting
- Writing the Journey
- Major Project or Dissertation
- Writing Modern Fiction
- Writing Comedy
- Minor Project or Dissertation
- Creative Writing and the Creative Industries

BA Entry Criteria

GCE A-level Typical offer ABB, including Grade B in English.

IB Diploma 33 points including 5 in Higher level English.

BTEC Level 3 Extended Diploma D*DD in a related subject (applicants without A-level English Literature or English Language and Literature will be required to submit a written sample of work on request).

For BTEC Level 3 and A-level combinations see the course web page.

Access to HE Diploma Complete and pass a related subject Access course with 45 credits at Level 3, of which 30 credits must be at Distinction and 15 credits at Merit or higher. All English units must be Distinctions at Level 3 and applicants must provide a sample of writing.

In addition 5 GCSEs or equivalent at Grade C or above, to include English and Maths, are required.

Contact Bernardine Evaristo  english-admissions@brunel.ac.uk  +44 (0)1895 267240
About the Course
This course produces designers who have the ability to realise their design solutions together with a comprehensive understanding of design theory. The technical emphasis means that students can develop products that both look good and work well.

This course, taught in parallel with Brunel’s BSc Design courses, is distinguished by including technical content whilst maintaining a creative and practical approach. We emphasise the application of technology throughout the course, with integrated project work. You will develop your own strengths and portfolios towards the design career of your choice. Final year options have a strong technological and humanistic focus, and your major project usually comprises an aesthetic model and a functional prototype.

Accreditation
Our design courses are accredited by the Institution of Engineering Designers (iED) to ensure that the courses maintain their academic and commercial relevance. Student membership of the iED is free and encourages continuous professional development through journals and conferences. On graduation, students are eligible for full membership, with further career and training options which can lead to Chartered Engineer status.

Teaching and Assessment
You will be taught using a variety of methods including lectures, tutorials in small groups and one-to-one, and workshops.

Your knowledge and understanding are tested by a range of assessment tasks, including written and multiple-choice examinations, laboratory reports, written coursework, individual and group design projects, problem-solving exercises, oral presentation, visual media projects and computer programming exercises.

Placements
Work placements offer you direct industrial experience of working on ‘live’ design projects with some of the best companies in the world.

Employability
We have a reputation for producing high quality graduates who will be able to take on key roles encompassing all aspects of the design process, as well as being prepared for further research-based studies.

Careers
Our graduates are highly sought-after in a wide range of sectors including the manufacturing, service and engineering industries, design management and consultancy companies. Many go on to set up their own businesses. Employers of our graduates include Apple Computers,
Habitat, Lego, Orange, RNIB, Dyson and Landrover.

Typical Modules
- Creative Engineering Practice
- Design Process
- Graphic Communication
- Product Analysis
- Workshops and Materials
- Design for Manufacture and Communication
- Systems Design
- Design Applications
- Major Project
- Innovation Management
- Computer-based Design Methods
- Environmentally Sensitive Design
- Graphics
- Contextual Design
- Embedded Systems for Design

Entry Criteria
GCE A-level ABB, including either Design and Technology, Product Design, Art or Art and Design (General Studies and Critical Thinking not accepted).

IB Diploma 33 points, including 5 in Higher level Design subject.

BTEC Level 3 Extended Diploma D*DD in a related subject.

For BTEC Level 3 and A-level combinations see the course web page.

Advanced Diploma Progression Diploma Grade A in Creative and Media, Engineering or Manufacturing and Product Design, plus a C at A-level for Additional and Specialist Learning.

Access to HE Diploma Complete and pass Access to Engineering or Art and Design course with 45 credits at Level 3, of which 30 credits must be at Distinction and 15 credits at Merit or higher.

In addition 5 GCSEs or equivalent at Grade C or above, to include English and Maths, are required.

Formal offers will only be made following attendance at a selection day.

Contact Stephen Green  design.information@brunel.ac.uk  +44 (0)1895 266324
About the Course

These courses have a technical emphasis, meaning you will learn to develop products that both look good and work well. These programmes aim to develop versatile designers with a sound knowledge and broad understanding of the technological, manufacturing and creative aspects of design. The courses run in parallel for the first two years, with modules containing a balanced blend of creative and technical subjects.

Product Design combines the concepts of commercial awareness with creative thinking and sound technological reasoning. The degree emphasises aesthetic awareness and understanding of market trends. All modules have creative and project-based working including graphic design, human factors and environmentally sensitive design.

Product Design Engineering is for creative thinkers who are also comfortable with mathematics and who enjoy deeper analysis of function and technical design challenges. Your final year major project is likely to include a functional prototype incorporating mechanics and/or electronics.

Employers of our graduates include Apple Computers, Habitat, Lego, Nokia, Dyson and Virgin Atlantic.

Accreditation

All our design courses are accredited by the Institution of Engineering Designers (iED) to ensure that the courses maintain their academic and commercial relevance. Student membership of the iED is free and encourages continuous professional development through journals and conferences. On graduation, students are eligible for full membership, with further career and training options which can lead to Chartered Engineer status.

Teaching and Assessment

You will be taught using a variety of methods including lectures, practicals, tutorials for project work both in small groups and one-to-one, and workshops. Your knowledge will be tested by a range of assessment tasks, including written and multiple-choice examinations, laboratory reports, written coursework, individual and group design projects, problem-solving exercises, oral presentation, visual media projects and computer programming exercises.
Placements
Work placements offer you direct industrial experience of working on ‘live’ design projects with some of the best companies in the world.

Employability
We have a reputation for producing high quality graduates who will be able to take on key roles encompassing all aspects of the design process. Our graduates enjoy superb employment prospects and enter careers in a wide spectrum of environments, including the manufacturing, service and engineering industries, design management and consultancy companies. Many go on to set up their own businesses.

Careers
We teach highly motivated students to become imaginative yet practical professional designers who are highly sought-after in a wide range of sectors.

Typical Modules
- Design Process 1
- Graphic Communication
- Workshops and Materials
- Mechanics for Design
- Electronics and Mathematics
- Design Process 2
- Design for Manufacture and Communication
- Electronics, Programming and Interfacing
- Dynamics, Mechanisms and Stress Analysis
- Professional Practice

Product Design
- Major Project
- Innovation Management

Product Design Engineering
- Major Project
- Innovation Management
- Computer-based Design Methods
- Environmentally Sensitive Design
- Graphics
- Contextual Design
- Embedded Systems for Design

BSc Entry Criteria
GCE A-level ABB, including either Design and Technology, Product Design, Art or Art and Design and also Maths or Physics (General Studies and Critical Thinking not accepted).

IB Diploma 33 points, including 5 in Higher level Design and Technology, Product Design, Art or Art and Design and 5 in Higher level Maths or Physics.

BTEC Level 3 Extended Diploma D*DD in a related subject including Maths or Physics modules.

For BTEC Level 3 and A-level combinations see the course web page.

Advanced Diploma Progression Diploma Grade A in Creative and Media, Engineering or Manufacturing and Product Design, plus Maths or Physics A-level at Grade C for Additional and Specialist Learning.

Access to HE Diploma Complete and pass Access to Engineering or Art and Design course with 45 credits at Level 3, of which 30 credits must be at Distinction and 15 credits at Merit or higher. All Maths units must be Distinctions at Level 3.

In addition 5 GCSEs or equivalent at Grade C or above, to include English and Maths, are required.

Formal offers will only be made following attendance at a selection day.

Contact Stephen Green design.information@brunel.ac.uk +44 (0)1895 266324
Economics BSc

About the Course
Economics courses at Brunel combine an understanding of theory with the practical skills necessary to apply your knowledge to a business, industrial, financial or government environment.

This broad-based course aims to produce economists with a range of technical expertise including quantitative and computing skills. You will become familiar with the analytical packages widely used by business and financial institutions. Emphasis is placed on the application of theoretical principles in the working environment.

As well as modules in finance, computing and quantitative methods, you will take a range of modules in Economics, including a selection of applied modules in the final year. In your final year you will also undertake a major project, a piece of personal research which may stem directly from a work placement or will be stimulated by topical issues such as directors’ pay, regulation of utilities or the European union.

Teaching and Assessment
You will be taught using a variety of methods including lectures, seminars and workshops and will have one-to-one supervision for your final year dissertation. You will be assessed by examination and coursework, including some project work and essays.

Employability
Knowledge of economics is crucial in a world of integrating global markets and the information superhighway, and our aim is to give students ‘employable knowledge’. Economics graduates go on to further study, become professional economists or accountants or are employed in industry, the financial sector or government.

Careers
Our graduates have gone on to work in the City, Central Government, Local Government and industry including Natwest, PricewaterhouseCoopers, the Treasury, National Audit Office, BP and Marks and Spencer.

Placements
Sandwich course students have the chance to undertake paid, professional work experience in the heart of the financial, business and public sector, in the UK or overseas. You will gain invaluable experience.
professional skills and knowledge through work placement.

**Typical Modules**
- Microeconomic Principles
- Macroeconomic Principles
- Financial Markets
- Mathematics for Economics and Finance
- Statistics for Economics and Finance
- Introduction to Financial Accounting
- Economic Modelling
- Mathematical Economics
- Money and Banking
- Economics of Information
- Further Econometrics
- Advanced Topics in Economic Theory
- Managerial and Industrial Economics
- Behavioural Economics and Finance
- The Economics of Labour Markets
- International Money and Finance
- Development Economics

**Entry Criteria**

**GCE A-level** ABB, including Maths or Statistics (General Studies not accepted).

**IB Diploma** 33 points, including 5 in Higher level Maths or 7 in Standard level Maths.

**BTEC Level 3 Extended Diploma** D*DD in a related subject plus Grade B in A-level Maths or Statistics.

For **BTEC Level 3 and A-level** combinations see the course web page.

**Access to HE Diploma** Complete and pass a related subject Access course with 45 credits at Level 3, of which 30 credits must be at Distinction and 15 credits at Merit or higher plus Grade B in A-level Maths or Statistics.

For applicants applying for the joint degrees of Economics and Business Finance, Economics and Management or Politics and Economics to meet the Maths component we require AS-level Grade C in Maths or Statistics or if carried onto A-level a Grade B in Maths or Statistics.

In addition 5 GCSEs or equivalent at Grade C or above, to include English and Maths, are required.

Graduates become professional economists or accountants, work in industry, the financial sector or government or go on to further study.
**Economics and Accounting BSc**

**UCAS Codes**

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<th>Programme</th>
<th>Duration</th>
<th>Code</th>
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<td>LN14</td>
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<td></td>
<td>4 years</td>
<td>NL41</td>
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*FT = full-time

**About the Course**

The purpose of this course is to provide students with a strong intellectual and practical grounding in both economics and accounting. This course combines an understanding of theory with the practical skills necessary to apply your knowledge to a business, industrial, financial or government environment.

This programme allows students to develop 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. Emphasis is on both theory and practical applications.

As a graduate of this course, you will be exempt from some professional accountancy exams.

**Teaching and Assessment**

You will be taught using a variety of methods including lectures, seminars and workshops and will have one-to-one supervision for your final year dissertation. You will be assessed by examination and coursework including some project work and timed essays.

**Recent placements have included the International Stock Exchange, HM Treasury, Bank of England and IBM**

**Employability**

This course seeks to equip graduates with the core theoretical and practical skills

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**Every day and every lecture had something new to offer which enhanced my understanding of the subject.**

Muhammed Sariffodeen
necessary to understand and analyse economic and accounting issues that arise in the business world, and to prepare them for a variety of potential careers including management consultancy, accountancy and banking.

Careers

Our students have excellent career prospects. Graduates have gone on to work for prestigious companies including Merrill Lynch, NatWest, Morgan Stanley, PricewaterhouseCoopers, JP Morgan, HSBC, Ernst & Young, the London Stock Exchange and UBS.

Placements

Sandwich course students have the chance to undertake paid, professional work experience in industry, the public sector and commerce in the UK or overseas, as well as in the heart of the UK’s financial sector. You will gain invaluable professional skills and knowledge through work placement.

Typical Modules

- Microeconomic Principles
- Macroeconomic Principles
- Financial Markets
- Mathematics for Economics and Finance
- Statistics for Economics and Finance
- Introduction to Financial Accounting
- Management Accounting and Decision-making
- Financial Accounting and Statement Analysis
- Company Law and Regulation
- Managerial and Industrial Economics
- Auditing
- International Money and Finance
- The Economics of the Labour Market
- Development Economics
- Behavioural Economics and Finance
- Further Econometrics
- Taxation

Entry Criteria

GCE A-level ABB with a Grade C in AS-level Maths or Statistics (if A-level Maths is taken, grade B will be required), (General Studies not accepted).

IB Diploma 33 points, including 4 in Higher level Maths or 5 in Standard level Maths.

BTEC Level 3 Extended Diploma D*DD in a related subject plus Grade B in A-level Maths or Statistics.

For BTEC Level 3 and A-level combinations see the course web page.

Access to HE Diploma Complete and pass a related subject Access course with 45 credits at Level 3, of which 30 credits must be at Distinction and 15 credits at Merit or higher, plus AS-Level Maths or Statistics grade C.

In addition 5 GCSEs or equivalent at Grade C or above, to include English and Maths, are required.

Contact Dr Bryan Mase

E-mail sss-enquiries@brunel.ac.uk

Telephone +44 (0)1895 265952

www.brunel.ac.uk/courses

Check the Web for up-to-date course, entry criteria and fees information
About the Course

This programme provides a distinctive and effective background for a successful career in the financial and accounting sector. You will learn about topics including investment, corporate finance and taxation. In your final year you will undertake a dissertation which may stem directly from a work placement or will be stimulated by topical issues.

The purpose of this course is to produce high quality graduates with a theoretical and practical grounding as well as the technical expertise necessary to evaluate decision-making in finance and accounting.

As a graduate of this course, you will be eligible for selective exemptions from some professional exams.

Teaching and Assessment

You will be taught using a variety of methods including lectures, seminars and workshops. You will have one-to-one supervision for your final year dissertation. You will be assessed by examination and coursework including some project work and essays.

Employability

This degree programme enables graduates to develop a range of theoretical and practical skills in finance and accounting. Emphasis is placed on developing
transferable skills to ensure graduates are well equipped for a wide range of finance and accounting careers.

Careers

Economics and Finance graduates from Brunel have an excellent employment record and go into a wide variety of occupations. Some go on to further study and become professional economists or accountants. Others are employed in industry, the financial sector or government. Finance and Accounting graduates also have prospects in the world of corporate banking and financial services. Graduates have gone on to work for organisations such as NatWest, HSBC, Ernst & Young and The London Stock Exchange.

Placements

If you follow the four-year thick sandwich programme you will gain invaluable professional skills and knowledge through work placement. Placements could be in commercial, financial, or public sector organisations such as with members of the International Stock Exchange and other financial markets, banks, oil companies, accounting firms, the Treasury, Department of Trade and Industry, local authorities and health trusts.

Typical Modules

- Macroeconomic Principles
- Microeconomic Principles
- Financial Markets
- Statistics for Economics and Finance
- Corporate Finance
- Corporate Investment
- Econometrics for Finance
- Management Accounting and Decision-making
- Financial Accounting and Statement Analysis
- Company Law and Regulation
- Auditing
- Financial Accounting
- Financial Theory and Corporate Policy
- Financial Engineering
- Further Econometrics
- Behavioural Economics and Finance
- Taxation
- Risk Management

Entry Criteria

GCE A-level ABB including Maths or Statistics (General Studies not accepted)

IB Diploma 33 points, including 5 in Higher level Maths or 7 in Standard level Maths.

BTEC Level 3 Extended Diploma D*DD in a related subject plus Grade B in A-level Maths or Statistics.

For BTEC Level 3 and A-level combinations see the course web page.

Access to HE Diploma Complete and pass a related subject Access course with 45 credits at Level 3, of which 30 credits must be at Distinction and 15 credits at Merit or higher, plus AS-Level Maths or Statistics grade B.

In addition 5 GCSEs or equivalent at Grade C or above, to include English and Maths, are required.

Contact Dr Bryan Mase

Contact: ssenquiries@brunel.ac.uk

Tel: +44 (0)1895 265952

www.brunel.ac.uk/courses

Check the Web for up-to-date course, entry criteria and fees information

ABB

You will have an introduction to a variety of professional databases including Datastream, Bloomberg, Bank Scope, Osiris, Reuters 3000 Xtra and Thomson One Banker.
Contemporary Education BA

UCAS Codes
Contemporary Education BA
X300 3 years
6 years
= full-time
= part-time

About the Course
Inspire a Generation!
Contemporary Education is an exciting programme that will equip you with the skills, knowledge and experience to support the next generation of children and young people. The programme combines the study of Education with Professional Practice and is designed to offer a pathway into a range of education professions and postgraduate professional study.

Taught by an experienced and friendly team, Contemporary Education at Brunel offers small class sizes allowing us to tailor the programme to your career aspirations whether that be teaching, youth work or any other child or youth support role.

If you are considering teaching, you will need to complement your degree with a one-year PGCert (PGCE): if you successfully complete the Contemporary Education BA, you will have the opportunity to be considered for Brunel’s highly regarded PGCert Primary programme, provided you meet government requirements and University entry criteria.

Teaching and Assessment
You will be taught through various methods such as lectures, tutorials, workshops and seminars, independent learning and research project activities. Your progress will be assessed in a variety of ways including individual and group project work, essays, oral presentations, report writing and class-based tests.

Placements
You will undertake work placements in each year to enhance your employment prospects. Students may

This course has enabled me to develop my knowledge and skills in both academic and reflective practice which are vital for any teacher

Zoë Forsythe

You will benefit from an established partnership between Brunel and a variety of educational institutions and local schools

www.brunel.ac.uk
undertake placements in a range of settings including nurseries, schools, colleges, universities, training bodies, youth service and community education organisations. We have developed a ‘bank’ of organisations looking to work with us.

Employability

You will gain work-based experience which will give you the opportunity to apply and enhance your learning and skills in professional settings.

Careers

Brunel Contemporary Education graduates enjoy careers in teaching, counselling, education psychology, early years education, continuing professional development, business trainers, social work and education management.

Typical Modules

• Understanding Learning
• Human Development: Childhood to Adolescence
• Education and Society
• Multi-disciplinary Perspectives
• Study Skills and Methods of Enquiry
• Working in Educational Settings
• Living and Learning in Different Communities: Cultural Perspectives and Comparisons
• Individual and Group Learning in Informal Environments
• Research Methods
• Exploring Educational Environments
• Growing Up in Twenty First Century Britain
• Education in Formal Contexts
• Education in Informal Contexts
• Research in Educational Contexts
• Research Project

Entry Criteria

GCE A-level BBB
IB Diploma 32 points
BTEC Level 3 Extended Diploma DDD in a related subject.

For BTEC Level 3 and A-level combinations see the course web page.

Access to HE Diploma Complete and pass a related subject Access course with 45 credits at Level 3 and 15 credits at Level 2 with Merits in all units.

In addition 5 GCSEs or equivalent at Grade C or above, to include English and Maths, are required.

Contact Nic Crowe
sse-ugcourses@brunel.ac.uk
+44 (0)1895 267146

This is a flexible course with friendly and knowledgeable staff who will help prepare you for a range of careers working with children and young people.

Dr Nic Crowe
About the Course

Computer Systems Engineering

Modern systems, from mobile phones to automobiles, are rarely purely hardware or software based, and in most cases they are a combination of both. Today’s industry has a clear need for trained engineers who possess knowledge and expertise in both hardware and software disciplines, with the ability to combine their knowledge to create technological systems.

This course keeps a perfect balance between developing the skills to build cutting edge hardware and also developing the skills needed to create smart software to drive it.

This course aims to produce highly qualified engineers who will take up demanding roles within the electrical industry by developing leadership, innovation and creative skills to help students aspire to successful engineering careers.

Computer Systems Engineering (Networks)

The Networks route will produce professionals with specific expertise in networking and computing engineering. The industry sectors that would be attracted by these graduates vary from networking companies and computer manufacturers to mobile telecommunications and wireless infrastructures organisations.

Computer Systems Engineering (Software)

The Software route will produce graduates with specific knowledge and expertise in software engineering. The careers of these graduates range from being employed in a software house and designing code to any kind of firmware or middleware responsible for driving a variety of hardware. This also includes research-led professional positions where software development is needed.

Accreditation

All our BEng Programmes are accredited by the Institution of Engineering and Technology (IET).

Teaching and Assessment

You will be taught through various methods such as lectures, laboratory work, tutorials, workshops and seminars. There may be guest speakers. You will receive one-to-one supervision in your final year project. Assessment is by a combination of exam, written assignments, practical and creative design assignments, laboratory work and individual group presentations.
Employability
The growth in demand for engineers who are able to design computer systems is expected to continue. Graduates with appropriate training are likely to have excellent employment opportunities in such diverse fields as finance, leisure, media and marketing, as well as in all forms of engineering and computer industries.

Careers
Recent graduates work for prominent companies in roles such as Technologist, Software Developer, Software Engineer, Technology Analyst, Electronic Development Engineer, Computer Engineer, Consultant, IT Support Officer and Project Delivery Officer.

Placements
You have the opportunity to undertake high quality work placements within prestigious organisations such as Intel, Renesas, O₂, General Motors, GSK and Motorola. Increasingly, students are selecting smaller companies to obtain a more flexible placement opportunity. The industrial placement year is assessed and contributes to your degree.

Typical Modules
- Digital Systems and Microprocessors
- Scripting and Web Applications
- Problem Solving and Programming
- Computer Systems Mathematics
- Internet and Web Technologies
- Computer Systems Workshop
- Data Networks, Services and Security
- Computer Architecture and Interfacing
- Digital System Design and Reliability Engineering
- Multimedia Content Analysis and Delivery
- Object Oriented Systems Programming
- Engineering Group Design Project
- Management
- Major Individual Project
- Distributed Systems and Computing
- Network Design and Advanced Data Security
- Software Engineering and Technology
- e-Systems Development
- Design of Intelligent Systems
- Advanced Digital Systems
- e-Business Systems

Entry Criteria
GCE A-level ABB – BBB, including a Science, Engineering or Maths subject (General Studies and Critical Thinking not accepted).

IB Diploma 33 points, including 5 in a Higher level Maths, Science or an Engineering subject.

BTEC Level 3 Extended Diploma D*DD including Distinction in a Maths module and Distinction in either Electrical or Electronic Principles.

For BTEC Level 3 and A-level combinations see the course web page.

Access to HE Diploma Complete and pass Access to Engineering course with 45 credits at Level 3, of which 30 credits must be at Distinction and 15 credits at Merit or higher. All Maths and Science units must be Distinctions at Level 3.

In addition 5 GCSEs or equivalent at Grade C or above, to include English and Maths, are required.

For Engineering with an Integrated Foundation Year entry see page 148.

Contact Dr David Smith sed.ug.admissions@brunel.ac.uk +44 (0)1895 265814

www.brunel.ac.uk/courses
Check the Web for up-to-date course, entry criteria and fees information

ABB-BBB
Computer Systems Engineering MEng

About the Course
Most modern devices have moved away from a traditional purely hardware or software design and are nowadays a combination of both of these elements. Modern industry is therefore in need of trained engineers that are skilled in hardware design and software creation as well as having the ability to take on managerial roles.

You will develop skills, expertise and knowledge in the areas of computer hardware and architecture, computer software, digital electronics, communication networks, embedded systems and interfacing.

The range of modules available later in the programme allow you to maintain a breadth of knowledge or to specialise, with a focus on computer hardware design, data communication networks or distributed computing.

Accreditation
All our BEng Programmes are accredited by the Institution of Engineering and Technology (IET). All our MEng programmes are linked to one of these accredited BEng programmes. Our MEng programmes are new and their accreditation is presently in the review stage. All our relevant MSc programmes have IET approval.

Teaching and Assessment
You will be taught through various methods such as lectures, laboratory work, tutorials, workshops and seminars. You will receive one-to-one supervision in your final year project. Assessment is by a combination of exam, written assignments, practical and creative design assignments, laboratory work and individual group presentations.

Employability
For the foreseeable future, the most significant growth will be in the development of reliable and efficient computer systems. Graduates with appropriate training in this discipline are likely to have excellent employment opportunities in diverse fields.

Careers
Recent graduates have gone on to work for prominent companies including Barclays Global Investors, the Royal Mail, Accenture, British Sky Broadcasting, Fujitsu, IBM UK Ltd, GMC, Viglen Ltd and a variety of design companies. They have undertaken roles as Technologist, Software Developer, Software Engineer, Technology Analyst, Electronic Development Engineer, Computer

UCAS Codes

<table>
<thead>
<tr>
<th>Course</th>
<th>Code</th>
<th>Duration</th>
<th>Type</th>
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<tr>
<td></td>
<td>GHSQ</td>
<td>5 years</td>
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</tbody>
</table>

FT = full-time
THICK = thick-sandwich
Engineer, Consultant and Product Development Engineer.

**Placements**

You have the opportunity to undertake high quality work placements within prestigious organisations such as Intel, Renesas, O2, General Motors, GSK and Motorola. Increasingly, students are selecting smaller companies to obtain a more flexible placement opportunity.

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**Typical Modules**

- Digital Systems and Microprocessors
- Scripting and Web Applications
- Problem Solving and Programming
- Computer Systems Mathematics
- Internet and Web Technologies
- Computer Systems Workshop
- Data Networks, Services and Security
- Computer Architecture and Interfacing
- Digital System Design and Reliability
- Multimedia Content Analysis and Delivery
- Object Oriented Systems Programming
- Engineering Group Design Project
- Management
- Major Individual Project and Project Management
- Design of Intelligent Systems
- Network Design and Advanced Data Security
- Distributed Systems and Computing
- Advanced Digital Systems
- Major Group Project
- Embedded Systems Engineering
- Innovation, Business and Enterprise for Engineers
- Computer Networks
- Optical Satellite and Mobile Communications
- Network Design and Management
- Advanced Mobile Systems
- Intelligent Signal Processing

**Entry Criteria**

**GCE A-level**

AAA, including a Science, Engineering or Maths subject (General Studies and Critical Thinking not accepted).

**IB Diploma**

37 points, including 6 in a Higher level Maths, Science or an Engineering subject.

**BTEC Level 3 Extended Diploma**

D* D* D*, including Distinction in a Maths module and Distinction in either Electrical or Electronic Principles.

For both **BEng and MEng programmes 5 GCSEs or equivalent at Grade C or above, to include English and Maths, are required.**

Access students should apply for the BEng in this subject. Those who achieve the progression requirements on our degree can transfer to the MEng at the end of Level 2.

For **Engineering with an Integrated Foundation Year** entry see page 148.

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The software/hardware balance in this course makes graduates attractive to both electronic engineering and software development companies.

Dr Konstantinos Banitsas

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**We aim to produce highly qualified engineers who will take up demanding senior roles**

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**Contact** Dr David Smith

sed.ug.admissions@brunel.ac.uk

+44 (0)1895 265814

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www.brunel.ac.uk/courses

Check the Web for up-to-date course, entry criteria and fees information

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The software/hardware balance in this course makes graduates attractive to both electronic engineering and software development companies.

Dr Konstantinos Banitsas
About the Course
This unique course is focused on the intersection of the Arts and Sciences. As a result of this vivid interaction, new forms of creativity can be generated. Our course combines ideas from digital technologies with those of creative design. The programme is hands-on and intellectually and creatively challenging. You should be someone who appreciates the role of communication in human life, who takes pride and care in how you organise and present your work, and you should be fascinated by technology and its creative potential.

The course assumes no specific educational subject background, but does require an interest in IT combined with creative design flair.

The use of practical creative studios plays a central role in consolidating understanding of taught material, and in the development of design and creative skills. Our studio work makes use of individual studios devoted to motion capture, photography, web design, 3D graphics, 2D graphics, sound and video capture/editing. Within these environments we use a wide variety of teaching, learning and assessment methods.

Teaching and Assessment
You will be taught through various methods such as lectures, tutorials, studio work, workshops and seminars and you will receive one-to-one supervision in your final year project. If you go on placement you will be allocated a visiting tutor to help you to set objectives, monitor your progress, and provide support. Assessment is by a combination of exam, written assignments, practical and creative design projects and individual and group presentations.

Employability
This course has a large number of possible career outcomes. Applicants who have both creative ability and knowledge of technology and its creative potential are in ever-growing demand. The course will provide you with multiple skills developing your technological and creative abilities required for the industry.

Careers
Previous students have become information architects, motion graphics designers, user experience architects, web designers/developers and digital managers. They have gone on to work for companies such as Dare Digital, LBI, Lightmaker, Xerox, IBM, Sega, Hallmark and Reading Room.
Placements
If you opt for a sandwich course, you will have the added bonus of putting your academic study into practice. Some graduates are offered full-time graduate posts at the companies where they carried out their work placements. You have the opportunity to undertake high quality work placements within prestigious organisations such as Warner Bros, Xerox, Canon, Lightmaker, Snow Valley, and Hewlett Packard. The placement year is assessed and contributes to your degree.

Typical Modules
- Creativity for Digital Media Design
- Digital Photography
- Digital Graphics
- Web Design
- Business for the Creative Industries
- Programming for Digital Media
- Introduction to Video Production
- Digital Design Theory
- Web Design and Development
- Interaction Design and Usability
- Time-Based Multimedia
- 3D Design and Animation
- Communication
- Design Practice
- Web Applications
- Interaction
- Major Project
- Digital Media Management
- Sound and Music Production for Mixed Media
- Databases for Multimedia Applications
- Motion Capture and Advanced 3D
- e-Business
- Emergent Multimedia Technologies
- Software Engineering
- Image in Motion
- Broadcast Technology

Entry Criteria
GCE A-level BBB, including one creative subject such as Fine Art, Graphic Design or Photography and one technical subject such as Maths, Computing or Physics.

Other relevant A-levels may be considered (General Studies and Critical Thinking not accepted).

IB Diploma 32 points, including 5 in Higher level subject combinations listed under A-level entry.

BTEC Level 3 Extended Diploma DDD in either Arts and Humanities or Sciences.

For BTEC Level 3 and A-level combinations see the course web page.

Access to HE Diploma
Complete and pass Access to Art and Design, Computing or Media course with 45 credits at Level 3 and with Merit or higher in all units.

In addition 5 GCSEs or equivalent at Grade C or above, to include English and Maths, are required.
About the Course

Electronics equipment and products are becoming a vital part of our daily lives, from MP3 players and mobile phones to state-of-the-art fibre optic communications systems. Computers, telecommunications systems and consumer electronics are advancing at a fast pace.

This is a traditional and broad-based course designed to produce well-rounded engineers with a high level of analytical and engineering design skills. From calculators to supercomputers, from telephones to global satellite communications, from dynamos to the national grid, you will gain key knowledge and understanding. You will have the opportunity to specialise in Communications Systems in your final year.

If you choose the MEng programme you can study for an additional fourth year, which will take your degree to Master's standard.

Accreditation

All our BEng programmes are accredited by the Institution of Engineering and Technology (IET). All our MEng programmes are linked to one of these accredited BEng programmes. Our MEng programmes are new and their accreditation is presently in the review stage.

Teaching and Assessment

You will be taught through various methods such as lectures, laboratory work, tutorials, workshops and seminars. There may also be guest speakers. You will receive one-to-one supervision in your final year project. Assessment is by a combination of exam, written assignments, practical and creative design assignments, laboratory work and individual and group presentations.

Employability

For the foreseeable future, the most significant growth will be in the development of reliable and efficient computer systems, and the unprecedented demand for engineers able to design computer systems is therefore set to continue. The growth of embedded electronic systems in all areas of our lives has created exciting employment prospects across all areas of industry and business.

Careers

The majority of our graduates move into research, development or manufacturing companies – a choice many make when accepting sponsorship from a company.

Placements

You have the opportunity to undertake work placements within prestigious organisations such as Intel, 3M, BP and...
Ultra Electronics. Increasingly, students are selecting placements with smaller companies to obtain a more flexible placement opportunity. The placement is assessed.

**Typical Modules**
- Digital Systems and Microprocessors
- Devices and Circuits
- Electronic Engineering Workshop
- Problem Solving and Programming
- Electronic Engineering Mathematics
- Engineering Science, Systems and Society
- Communication
- Computer Architecture and Interfacing
- Digital Systems Design and Reliability Engineering
- Electronic Systems
- Signals and Systems
- Engineering Group Design Project
- Management
- Major Individual Project and Project Management
- Advanced Electronics
- Digital Communications Systems
- Advanced Devices and Electronic Systems Design
- Design of Intelligent Systems
- Control Systems
- Multimedia Digital Signal Processing
- Advanced Digital Systems

**BEng Entry Criteria**
- GCE A-level ABB – BBB, including Maths and a Science or Engineering subject (General Studies and Critical Thinking not accepted).
- IB Diploma 33 points, including 5 in Higher level Maths and 5 in a Higher level Science or an Engineering subject.
- BTEC Level 3 Extended Diploma D*D*D*, including Distinction in a Maths module and Distinction in either Electrical or Electronic Principles.

For **BTEC Level 3 and A-level** combinations see the course web page.

**Access to HE Diploma**
- courses are not accepted for the MEng entry. Access students should apply for the BEng in this subject. Those who achieve the progression requirements on our degree can transfer to the MEng at the end of Level 2.

For **Engineering with an Integrated Foundation Year** entry see page 148.

For both BEng and MEng programmes 5 GCSEs or equivalent at Grade C or above, to include English and Maths, are required.

**MEng**
- Innovation, Business and Enterprise for Engineers

Level 3, of which 30 credits must be at Distinction and 15 credits at Merit or higher. All Maths and Science units must be Distinctions at Level 3.

**MEng Entry Criteria**
- GCE A-level AAA, including Maths and a Science or Engineering subject (General Studies and Critical Thinking not accepted).
- IB Diploma 37 points, including 6 in Higher level Maths and 6 in a Higher level Science or an Engineering subject.
- BTEC Level 3 Extended Diploma D*D*D*, including Distinction in a Maths module and Distinction in either Electrical or Electronic Principles.

For **BTEC Level 3 and A-level** combinations see the course web page.

**Access to HE Diploma** courses are not accepted for the MEng entry. Access students should apply for the BEng in this subject. Those who achieve the progression requirements on our degree can transfer to the MEng at the end of Level 2.

For **Engineering with an Integrated Foundation Year** entry see page 148.

For both BEng and MEng programmes 5 GCSEs or equivalent at Grade C or above, to include English and Maths, are required.

Contact Dr David Smith  sed.ug.admissions@brunel.ac.uk  +44 (0)1895 265814

www.brunel.ac.uk/courses  Check the Web for up-to-date course, entry criteria and fees information
About the Course

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.

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. We aim to produce graduates who are part of a high-tech elite – greatly sought-after professionals with specialist understanding and skills in microelectronics, but who also have a solid knowledge of electronic engineering as a whole. This will give you ultimate vision and flexibility in your future career.

If you choose the MEng programme you can study for an additional fourth year, which will take your degree to Master’s standard.

Accreditation

All our BEng programmes are accredited by the Institution of Engineering and Technology (IET). All our MEng programmes are linked to one of these accredited BEng programmes. Our MEng programmes are new and their accreditation is presently in the review stage.

Teaching and Assessment

You will be taught through various methods such as lectures, laboratory work, tutorials, workshops and seminars. You will receive one-to-one supervision in your final year project. Assessment is by a combination of exam, written assignments, practical and creative design assignments, laboratory work and presentations.

Employability

For the foreseeable future, the most significant growth will be in the development of reliable and efficient computer systems. The demand for engineers who are able to design computer systems is therefore expected to continue. The growth of embedded electronic systems in all areas of our lives has created exciting employment prospects across all areas of industry and business.

Careers

The majority of our graduates move into research, development or manufacturing companies – a choice many make when accepting sponsorship from a company – but opportunities exist in other professional spheres such as medicine, finance, management and the media. Recent graduates work for...
prestigious companies including the BBC, Virgin Airways, Opodo, Philips, Intel, Siemens and a variety of design companies.

Placements
The placement year is assessed and contributes to your degree. Students who complete the thick-sandwich course will be awarded their degree ‘with Professional Development’.

Typical Modules
- Digital Systems and Microprocessors
- Devices and Circuits
- Electronic Engineering Mathematics
- Engineering Science, Systems and Society
- Electronic Engineering Workshop
- Problem Solving and Programming
- Computer Architecture and Interfacing
- Digital Systems Design and Reliability Engineering
- Electronic Systems
- Object Oriented Systems and Programming
- Signals and Systems
- Engineering Group Design Project
- Management
- Major Individual Project and Project Management
- Advanced Electronics
- Advanced Digital Systems
- Advanced Devices and Electronic Systems Design
- Software Engineering and Technology
- Design of Intelligent Systems
- Control Systems
- Multimedia Digital Signal Processing
- Distributed Systems and Computing

MEng
- Innovation, Business and Enterprise for Engineers
- Embedded Systems Engineering
- Major Group Project
- Data Communication
- Computer Networks
- Digital VLSI Design
- Network Design and Management
- Advanced Multimedia Processing
- Intelligent Signal Processing
- Optical Satellite and Mobile Communications

BEng Entry Criteria
GCE A-level ABB – BBB, including Maths and a Science or Engineering subject (General Studies and Critical Thinking not accepted).

IB Diploma 33 points, including 5 in a Higher level Maths and 5 in a Higher level Science or an Engineering subject.

BTEC Level 3 Extended Diploma D*DD, including Distinction in a Maths module and Distinction in either Electrical or Electronic Principles.

For BTEC Level 3 and A-level combinations see the course web page.

Access to HE Diploma courses are not accepted for the MEng entry. Access students should apply for the BEng in this subject. Those who achieve the progression requirements on our degree can transfer to the MEng at the end of Level 2.

For Engineering with an Integrated Foundation Year entry see page 148.

For both BEng and MEng programmes 5 GCSEs or equivalent at Grade C or above, to include English and Maths, are required.

Contact Dr David Smith  sed.ug.admissions@brunel.ac.uk  +44 (0)1895 265814
Electronics and Electrical Engineering BEng/MEng

About the Course
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.

Engineers, technologists and designers are the architects and implementers of this technological revolution and are in great demand throughout industry, commerce and the public sector. We aim to produce well-educated, imaginative and professionally-trained engineers and designers who can meet the challenge of rapid technological development.

If you choose the MEng programme you can study for an additional fourth year, taking your degree to Master’s standard.

Accreditation
All our BEng Programmes are accredited by the Institution of Engineering and Technology (IET). All our MEng programmes are linked to one of these accredited BEng programmes. Our MEng programmes are new and their accreditation is presently in the review stage.

Teaching and Assessment
You will be taught through various methods such as lectures, laboratory work, tutorials, workshops and seminars. There may also be guest speakers from prominent organisations. You will receive one-to-one supervision in your final year project. Assessment is by a combination of exam, written assignments, practical and creative design assignments, laboratory work and individual and group presentations.

Employability
Graduates with appropriate training in this discipline are likely to have excellent opportunities in diverse fields such as finance, leisure, media and marketing as well as in engineering and the computer industries.

Careers
The majority of our graduates move into research, development or manufacturing companies – a choice many make when accepting sponsorship from a company – but opportunities do exist in most other professional spheres such as medicine, finance, management and the media. Recent graduates have gone on to work for prestigious companies including the BBC, Virgin Airways, Siemens and a variety of design companies.

Placements
The industrial placement year is assessed and contributes to your
degree. Students who complete the thick-sandwich course will be awarded their degree ‘with Professional Development’.

**Typical Modules**
- Digital Systems and Microprocessors
- Devices and Circuits
- Electronic Engineering Workshop
- Problem Solving and Programming
- Electronic Engineering Mathematics
- Engineering Science, Systems and Society
- Communication
- Digital Systems Design and Reliability Engineering
- Electrical Engineering and Sustainability
- Electronic Systems
- Signals and Systems
- Engineering Group Design Project
- Management
- Major Individual Project and Project Management
- Advanced Electronics
- Advanced Devices and Electronic System Design
- Design of Intelligent Systems
- Digital Communications Systems
- Control Systems
- Power Electronics and Systems
- Multimedia Digital Signal Processing
- Advanced Digital Systems
- Renewable Energy in Power Systems

**MEng**
- Innovation, Business and Enterprise for Engineers
- Digital VLSI Design
- Major Group Project
- Data Communication
- DSP for Communications
- Embedded Systems Engineering
- Intelligent Signal Processing
- Optical Satellite and Mobile Communications
- Power Electronics and FACTS
- Power System Stability and Control
- Radio and Optical Communication Systems
- Real-Time Digital Signal Processing Systems

There is an active Electronics Society, group projects and a personal tutoring system

**BEng Entry Criteria**
- GCE A-level ABB – BBB, including Maths and a Science or Engineering subject (General Studies and Critical Thinking not accepted).
- IB Diploma 33 points, including 5 in Higher level Maths and 5 in a Higher level Science or an Engineering subject.
- BTEC Level 3 Extended Diploma D*D*D*, including Distinction in a Maths module and Distinction in either Electrical or Electronic Principles.

**MEng Entry Criteria**
- GCE A-level AAA, including Maths and a Science or Engineering subject (General Studies and Critical Thinking not accepted).
- IB Diploma 37 points, including 6 in Higher level Maths and 6 in a Higher level Science or an Engineering subject.
- BTEC Level 3 Extended Diploma D*D*D*, including Distinction in a Maths module and Distinction in either Electrical or Electronic Principles.

For **BTEC Level 3** and **A-level** combinations see the course web page.

**Access to HE Diploma**
- Complete and pass Access to Engineering course with 45 credits at Level 3, of which 30 credits must be at Distinction and 15 credits at Merit or higher. All Maths and Science units must be Distinctions at Level 3.

**MEng Entry Criteria**
- GCE A-level AAA, including Maths and a Science or Engineering subject (General Studies and Critical Thinking not accepted).
- IB Diploma 37 points, including 6 in Higher level Maths and 6 in a Higher level Science or an Engineering subject.
- BTEC Level 3 Extended Diploma D*D*D*, including Distinction in a Maths module and Distinction in either Electrical or Electronic Principles.

For **BTEC Level 3** and **A-level** combinations see the course web page.

**Access to HE Diploma** courses are not accepted for the MEng entry. Access students should apply for the BEng in this subject. Those who achieve the progression requirements on our degree can transfer to the MEng at the end of Level 2.

For **Engineering with an Integrated Foundation Year** entry see page 148.

For both BEng and MEng programmes 5 **GCSEs** or equivalent at Grade C or above, to include English and Maths, are required.

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**Contact**
Dr David Smith  
sed.ug.admissions@brunel.ac.uk  
+44 (0)1895 265814

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**Electrical Engineering with Renewable Energy Systems MEng**

**About the Course**
Renewable energy and the reduction of carbon emissions are at the top of the global agenda. This programme 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 course will develop leadership, innovation and creativity as well as design, analytical and transferable skills, to enable graduates to follow successful engineering careers, and to aspire to senior managerial roles at the forefront of the rapidly expanding technological industries.

**Accreditation**
This is a new MEng programme and accreditation is presently in the review stage.

**Teaching and Assessment**
You will be taught through various methods such as lectures, laboratory work, tutorials, workshops and seminars. There may also be guest speakers. You will receive one-to-one supervision in your final year project. Assessment is by a combination of exams, written assignments, practical and creative design assignments, laboratory work and individual and group presentations.

**Employability**
The course provides students with the design, analytical and transferable skills required to lead the dynamic and rapidly expanding technological industries. Graduates are likely to have excellent opportunities in diverse fields.

**Careers**
Our students have excellent employment prospects. Recent graduates have gone on to work for prestigious companies including the BBC, Virgin Airways, Opodo, Philips, Siemens and a variety of design companies.
Placements
If you opt for a sandwich course, you will put your academic study into practice. Some graduates are offered full-time graduate posts at the companies where they carried out their work placements. The industrial placement year is assessed and contributes to your degree.

Typical Modules
- Digital Systems and Microprocessors
- Devices and Circuits
- Electronic Engineering Workshop
- Problem Solving and Programming
- Electronic Engineering Mathematics
- Engineering Science, Systems and Society
- Communication
- Digital Systems Design and Reliability Engineering
- Electrical Engineering and Sustainability
- Electronic Systems
- Signals and Systems
- Management
- Major Individual Project and Project Management
- Advanced Devices and Electronic Systems Design
- Control Systems
- Power Electronics and Systems
- Renewable Energy in Power Systems
- Major Group Project
- Innovation, Business and Enterprise for Engineers
- 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

Entry Criteria
GCE A-level AAA, including Maths and a Science or Engineering subject (General Studies and Critical Thinking not accepted).
IB Diploma 37 points, including 6 in Higher level Maths and 6 in a Higher level Science or an Engineering subject.
BTEC Level 3 Extended Diploma D*D*D*, including Distinction in a Maths module and Distinction in either Electrical or Electronic Principles.

For BTEC Level 3 and A-level combinations see the course web page.

Access to HE Diploma courses are not accepted for the MEng entry. Access students should apply for the BEng in Electronic and Electrical Engineering. Those who achieve the progression requirements on our degree can transfer to the MEng at the end of Level 2.

For Engineering with an Integrated Foundation Year entry see page 148.

In addition 5 GCSEs or equivalent at Grade C or above, to include English and Maths, are required.
About the Course
The TV and media industries are going through a period of rapid change with the digital revolution changing the way that TV programmes are recorded, produced, screened and viewed. The rapid growth of interactive and 3D TV has resulted in the need for a new type of creative technologist. Well-educated, imaginative professional are required who are fluent in the creative use of emerging digital media technologies and tools. This includes advanced titling artists, motion graphics designers, visual effects experts and interactive technologists for Film and Video, TV, post-production, and virtual production environments.

The course aims to produce creative designers with the technological skill to both produce short duration (typically less than two minutes), high quality visual media, and to create post-production visual effects and motion graphics solutions of professional standard.

The course is designed to develop creative design, production, implementation, and post-production skills and processes, needed for the various phases of modern digital TV, video and film making. There are few other programmes in the UK that develop both the technological and creative skill required for the industry.

Teaching and Assessment
You will be taught through various methods such as lectures, studios, workshops and tutorials. You will receive one-to-one supervision in your final year project. There may also be guest speakers, research seminars and external site visits. Assessment is by a combination of essays, projects presentations, audiovisual production and examination.

Placements
You have the opportunity to undertake high quality work.
placements within prestigious organisations such as BSkyB, Stream UK, JVC, and Dolby Laboratories. The industrial placement year is assessed and contributes to your degree.

**Employability**

Applicants who have both creative ability and knowledge of technology and its creative potential are in ever-growing demand. The course will provide you with multiple skills and aptitudes, developing your technological and creative abilities required for the industry.

**Careers**

We take pride in the success of our students. This, together with acknowledged high quality teaching and resources, results in an excellent record of employment amongst our graduates. Our links with industry mean that graduates are well-placed to enter the dynamic world of digital TV.

**Entry Criteria**

GCE A-level BBB, including one creative subject such as Fine Art, Graphic Design or Photography and one technical subject such as Maths, Computing or Physics. Other relevant A-levels may be considered (General Studies and Critical Thinking not accepted).

**IB Diploma** 32 points, including 5 in Higher level

**Typical Modules**

- Applied Video Aesthetics
- VFX Compositing
- 3D Design and Animation
- Communication
- Sound and Music Production for Broadcast
- Major Project
- Digital Media Management
- Advanced Motion Graphics
- Advanced Compositing
- Motion Capture and Advanced 3D
- Image in Motion
- Broadcast Technology
- Programming for Digital Media
- Introduction to Video Production
- Digital Design Theory
- Introduction to Post Production
- CGI Foundation for Visual Effects
- Acquisition for Visual Effects
- Motion Graphics

subject combinations listed under A-level entry.

**BTEC Level 3 Extended Diploma** DDD in either Arts and Humanities or Sciences.

For BTEC Level 3 and A-level combinations see the course web page.

**Access to HE Diploma** Complete and pass Access to Art and Design, Computing or Media course with 45 credits at Level 3 and with Merit or higher in all units.

In addition 5 GCSEs or equivalent at Grade C or above, to include English and Maths, are required.
About the Course

You will study texts from the early modern period to our contemporary era, learning about subjects ranging from Shakespearean drama, romantic poetry and 19th century classics such as Jane Eyre to postmodern fiction and graphic novels, including Ian McEwan's *The Child in Time* and Alan Moore's *V for Vendetta*.

The course is designed to develop your capacity for critical thinking and evaluative writing. Introductory modules, combining lectures and small seminar groups, first teach you how to question and discuss what you read and then give you the skills to communicate your new understanding in fluent written English. These abilities are progressively enhanced throughout the programme through the development of research skills as well as the guided exploration of theoretical and conceptual approaches such as poststructuralism and postcolonialism, with the aim of promoting the ability for evidence-based argumentation and independent critical thinking.

We have introduced an integrated first-year programme for English that enables students to build up their research, study and writing skills across modules related to Brunel's London location and its cultural legacies by studying texts such as George Orwell's *Keep the Aspidistra Flying* and Zadie Smith's *NW*.

Brunel English Graduates emerge with confidence in their own ability to comprehend, evaluate and communicate ideas about society and culture.
Teaching and Assessment
You will be taught through various methods such as lectures, tutorials, workshops and seminars. You will receive personal tutoring at level one as well as one-to-one supervision for your final year project.
There is a wide range of assessment methods including coursework, individual and group projects, oral presentations, seminar assessment, practical work and written examinations.

Careers
Graduates may enter one of the professions associated with English, such as journalism, publishing, advertising, teaching, the civil service or the media, but our students fit just as easily into many other career environments. We help you to develop career options based on interests and skills.

Typical Modules
- Reading Resilience: Reading Lives
- Learning London
- Texts, Contexts, Intertexts
- The 19th Century Novel
- The Women’s Movement
- Postcolonial Writing
- Modernism
- Romanticism and Revolution
- British Science Fiction and Fantasy
- Critical Perspectives: Historical Perspectives
- Critical Perspectives: Contemporary Perspectives
- Victorian Literature
- Writing Ireland
- Post-War and Late Twentieth Century Literature, 1945-2001
- Post-Millennial Fiction, 2000 to the Present
- The Muslim World in Early Modern English Literature

BA Entry Criteria
GCE A-level AAB – ABB. Typical offer AAB, including Grade B in English Literature or English Language & Literature.
IB Diploma 35 points, including 5 in Higher level English.
BTEC Level 3 Extended Diploma D*D*D in a related subject (Applicants without A-level English Literature or English Language & Literature will be required to submit a written sample of work on request).
For BTEC Level 3 and A-level combinations see the course web page.

Access to HE Diploma Complete and pass a related subject Access course with 45 credits at Level 3, of which 30 credits must be at Distinction and 15 credits at Merit or higher. All English units must be Distinctions at Level 3 and applicants must provide a sample of writing.
In addition 5 GCSEs or equivalent at Grade C or above, to include English and Maths, are required.

Employability
English is particularly good at developing transferable skills. The degree promotes imagination, independence of thought and intellectual flexibility. Emphasis is placed on the acquisition of knowledge and analytical skills. You will learn to manage your own learning and develop personal and collaborative communication skills. We will enable you to communicate your experience to employers as well as find employment opportunities through our three-year employability stream, including sessions on how to write an effective CV and cover letter as well as how to use job search and networking tools.

Contact Dr Wendy Knepper
english-admissions@brunel.ac.uk
+44 (0)1895 266554
About the Course
This is an innovative and flexible course which enables you to explore a range of film and television forms and the social and industrial contexts in which they are produced and consumed. You will develop the critical and technological vocabularies and theoretical frameworks necessary to analyse film and television texts and contexts.

We aim to provide you with the conceptual and theoretical skills necessary to engage with film and television products, and to understand how they work at aesthetic, social-cultural and institutional levels. From Hong Kong to Hollywood and from Science Fiction to Documentary, Film and TV at Brunel examines a wide range of recent and contemporary production for big screen and small. Modules focus on both mainstream and alternative practices.

Our facilities – cameras, editing suites with Avid and Final Cut Pro software programmes and dedicated teaching space, all with excellent technical support – mean that up to 40% of your programme can come from practical modules. The bringing together of theory and practice will encourage you to develop critical perspectives on the creation of meaning and to reflect analytically on your practical work.

Graduates work for the BBC, Grenada Television and Ridley Scott Associates as casting agents, researchers and production assistants.

All students complete a dissertation/project under the supervision of a member of the teaching team. This may take the form of a practice-based project with an accompanying analysis or a written piece on a subject of your choice.

Teaching and Assessment
You will be taught using a combination of lectures, seminars, class screenings, workshops and tutorials. Assessment is by a variety of methods, including essays, projects, presentations, audiovisual production and ‘seen’ exams.

Placements
The programme offers work placements that can provide you with vital experience and contacts in a wide range of film and other media contexts from production, distribution and exhibition companies to activities such as public relations and marketing.
**Employability**

We are committed to equipping you with skills and experience for the jobs market. We have an extensive range of contacts in production, distribution and exhibition in London, as well as media, public relations and marketing. We are often approached by companies looking for students to help out on specific projects and you will be encouraged to seek out work experience.

**Careers**

Our graduates have taken up posts in the film and television industries and in other fields such as journalism, publishing, research, critical writing, arts administration and programming. Our programme also provides a good basis for postgraduate study and the pursuit of higher qualifications in both theoretical and practical areas.

**Typical Modules**

- Film Style
- Film Theory and Practice
- Critical Methodologies
- Television Genres
- Crime Fictions
- Video Production
- TV: Forms and Meanings
- Science Fictions
- New Hollywood Cinema
- The Western
- European Cinema
- Theorising Celebrity
- Screenwriting
- Project (Practical or theory-based)
- Documentary
- Gender and Sexuality
- Political Cinema
- Alternative Film and Video Production
- Horror
- American Independent Cinema
- Media Freedom and Regulation
- Film Production and Distribution
- Hong Kong Cinema
- Work Experience

**Entry Criteria**

**GCE A-level**

- BBB

**IB Diploma**

- 32 points

**BTEC Level 3 Extended Diploma**

- DDD in a related subject.

For **BTEC Level 3** and **A-level** combinations see the course web page.

**Access to HE Diploma**

Complete and pass a related subject Access course with 45 credits at Level 3 and 15 credits at Level 2 with Merits in all units.

In addition 5 GCSEs or equivalent at Grade C or above, to include English and Maths, are required.
About the Course
This course is aimed at students who want to develop a comprehensive understanding of the factors which shape the games industry and the techniques and principles used in the design of games. You will have the opportunity to design and prototype your own games, as well as analyse and think more deeply about how games work. You’ll meet key figures from the UK games industry and pitch your ideas to them.

No 3D modelling, programming or computer science background is necessary, just a passion for games and desire to be involved in creating them. By the end of the course you’ll have a range of skills sought-after by the games industry for roles including game design, game production and game analysis, as well as transferable skills relevant to broader fields.

Theory modules will develop your understanding of the cultural and social significance of games and their historical contexts.

The programme is taught by professionals who have worked or who currently work as game designers in the industry.

Design modules will aid your ability to produce creative, realisable strategies in relation to set briefs.

Application modules will provide you with knowledge of the communication skills used in the games industry, including presentation and prototyping.

You can also study asset and story creation to focus on your game’s looks and narrative.

UCAS Codes
Games Design BA
I620 3 years ☒
4.5-6 years ☐

Games Design and Creative Writing BA
WW28 3 years ☒
4.5-6 years ☐

Games Design and Film and Television Studies BA
WW26 3 years ☒
4.5-6 years ☐

☒ = full-time
☐ = part-time

Absolutely brilliant... I am truly excited to attend every lecture

Katijah Wellings Thomas

Level 3 Design Project
(Luke Smith 2012)
Teaching and Assessment

Lectures, workshops, seminars, play sessions and tutorials will provide you with different ways of engaging with relevant materials. Use will be made of the programme’s online forum to aid the development of knowledge and solicit discussion.

Practical work is assessed by a range of projects, some of which are carried out in groups. Written essays require evaluation of your own work using a range of theoretical and critical tools.

Employability

This programme is designed to sharpen creative and analytical skills and develop confidence in working in teams and in problem-solving techniques. You will acquire core transferable skills of effective communication, leadership, self-management, initiative and responsibility.

Careers

This course will provide you with the communication, critical thinking and production skills suitable for the role of games designer in the games industry. There are no official placements on this programme, but industry guest speakers have been known to offer internships or other work opportunities on an ad hoc basis.

Typical Modules

- Creative Computing
- Methods for, and practice of, communicating design concepts and ideas
- Asset and Story Creation: image manipulation, asset creation and 3D modelling, storyboarding and optional animation
- Prototyping game designs and understanding the industry
- Game Mechanics
- Design, prototype then pitch your ideas to games industry professionals
- Theory Project: Investigate an issue or debate

BA Entry Criteria

GCE A-level BBB
IB Diploma 32 points

BTEC Level 3 Extended Diploma DDD in a related subject.

For BTEC Level 3 and A-level combinations see the course web page.

Access to HE Diploma Complete and pass a related subject

Access course with 45 credits at Level 3 and 15 credits at Level 2 with Merits in all units.

In addition 5 GCSEs or equivalent at Grade C or above, to include English and Maths, are required.

Contact Dr Douglas Brown
douglas.brown@brunel.ac.uk +44 (0)1895 267913
About the Course
This Statutory Body approved course is designed for those with initial registration who wish to become specialist community public health nurses in one of three areas of practice:

- Health Visiting
- Occupational Health Nursing
- School Nursing

You will gain Specialist Community Public Health Nursing Registration with the Nursing and Midwifery Council (NMC).

Health Visiting develops practitioners who are proactive and innovative in the promotion of health and the prevention of ill health at the individual, group and community level.

Occupational Health Nursing equips you to function competently in the specialist area of Occupational Health. This involves responsibility for health and safety at work, risk assessment, management of occupational disease and the promotion of physical and psychological health among the workforce.

School Nursing will prepare you to lead a school nursing team of variable skill mix, to promote school health and meet the health-related needs of children and adolescents at school and their families and carers.

Teaching and Assessment
We use many innovative teaching and learning methods to balance professional training with academic excellence. We welcome visiting professionals to contribute their expertise to the programme.

You will be assessed throughout the year using a variety of methods including essays, projects, examinations and practice assessments.

Employability
Half of the course involves supervised placements within the chosen area of specialist practice. These are generally arranged within the NHS and involve experienced practice teachers who attend study days at Brunel. Occupational Health Nursing students will gain practical experience within occupational settings in either the public or private sector.

Careers
Around 95% of graduates secure employment in their chosen specialist field.

Typical Modules
- Specialist Community Public Health Nursing Practice
• Professional Perspectives in Specialist Community Public Health Nursing
• Evidence Based Practice for Public Health
• Promoting Public Health
• Management of Public Health Practice
• Consolidated Practice

Entry Criteria
• All applicants should have active registration on Nursing or Midwifery (part one or two) NMC register
• Two satisfactory references of which one should be an academic reference
• A Diploma of Higher Education or the equivalent of 120 Level 2 credits
• All applicants are required to be interviewed to ascertain their professional readiness to undertake the programme

Disclosure and Barring Service: All students undertaking this degree will be legally required to undertake a criminal records check with the Disclosure and Barring Service (DBS).

Formal offers will only be made following attendance at a selection day.

Applications for Occupational Health Nursing should apply directly to Brunel University on the course pages.

Applications for Health Visiting/School Nursing should be made via London Deanery www.londondeanery.ac.uk

Contact Lorina Stewart communityhealth@brunel.ac.uk +44 (0)1895 268833

www.brunel.ac.uk/courses
Check the Web for up-to-date course, entry criteria and fees information
About the Course

This programme offers an ideal launch-pad for anyone hoping to embark on a career in journalism in the digital age. We will be delivering essential National Council for the Training of Journalists (NCTJ) training alongside broader contextual and critical elements to ensure you are best placed to navigate your way through this dynamic and demanding craft.

The programme aims to provide you with a critical understanding of the ethical, social and production constraints under which journalistic practice operates. We offer rigorous training in news writing, Teeline shorthand, public affairs and law, plus a work placement. You will learn how to edit and package for a range of journalism formats with an emphasis on cross-media platforms and hand-held technology. This course also allows for a deeper interrogation of ethical, historical and theoretical debates.

Accreditation

The course is accredited by the National Council for the Training of Journalists (NCTJ).

Teaching and Assessment

You will learn in our state-of-the-art multi-platform digital newsroom with broadcast facilities, using industry standard hardware and software. You will be taught by experienced senior journalists and will be assessed in a range of ways including practical work, essays, presentations, exams and reflective reports.

Accreditation means that we meet the news industry’s tough requirements for training journalists.

Paul Lashmar, Course Leader
Employability

Our programme is designed to sharpen creative and analytical skills and develop confidence in working in teams and in problem-solving. This course will enable the acquisition of core transferable skills of IT, communication, leadership, self-management and interpersonal skills to the standards required by journalism and media employers. We are mindful of the shortage of production journalists and will tailor part of the programme in that direction to further enhance students’ employability.

Careers

Aside from careers in journalism, employment in other sectors such as communications, public relations, policy, production, business and the non-governmental and charity sectors is also highly probable due to the transferable nature of the skills and knowledge gained. Many of our graduates will be seeking first jobs in journalism, primarily in the local and regional sector in print/online or broadcasting. The programme will also cater for candidates seeking to enter the burgeoning periodical sector.

Typical Modules

- Professionalism and Ethics
- News Writing
- News Reporting and Production
- History of Journalism
- Audio Journalism
- Data Gathering for Journalists (including Teeline shorthand)
- Law and the Media
- UK, European and Global Institutions
- Video Journalism
- Reporting UK Local Government
- Magazine Journalism
- Theories of Journalism
- Online Entrepreneurialism
- Crime, Courts and the Media
- Journalism Live Project
- Dissertation

BA Entry Criteria

GCE A-level ABB – BBB. Typical offer ABB, including a B in one of the following subjects: English, History, Economics, Sociology, Politics, Psychology, Geography, Business Studies, Philosophy, Law or Religious Studies indicating critical analysis and communication skills.

IB Diploma 33 points, including 5 in Higher level subject listed at A-level.

BTEC Level 3 Extended Diploma D*DD in Media and Media Production.

For BTEC Level 3 and A-level combinations see the course web page.

Access to HE Diploma Complete and pass a related subject. Access course with 45 credits at Level 3, of which 30 credits must be at Distinction and 15 credits at Merit or higher. In addition 5 GCSEs or equivalent at Grade C or above, to include English and Maths, are required.

Formal offers will only be made following attendance at a selection day.

Contact Murray Dick journalism-admissions@brunel.ac.uk +44 (0)1895 265502

www.brunel.ac.uk/courses

Check the Web for up-to-date course, entry criteria and fees information

My writing has improved so much over my time here and I have developed my own writing style

Victoria Oliphant
About the course

The Brunel LLB is a qualifying law degree featuring core modules that satisfy the requirements of the Law Society and the Bar Council. We teach law as a single subject so that students may gain a solid foundation resulting in confident graduates ready to meet the challenges of further study or professional life. Students who opt for the sandwich placement will spend a year working in industry, gaining valuable experience that will greatly enhance employability. Our students are drawn into the front-lines of legal scholarship and have opportunities to further their knowledge by participating in conferences, seminars and workshops hosted by our centres. Final year students are able to tailor their studies to the areas of law they wish to explore further. Students will be required to confront contemporary, real-world legal challenges and to develop skills of analysis and critical thinking. We will challenge you to cultivate the skills required to succeed in 21st century legal practices.

Teaching and Assessment

You will be taught using a variety of methods including lectures, seminars, one-to-one supervision and private study. Assessment will take the form of essays and examinations, plus mooting and oral presentations.

Employability

We offer short courses in client interviewing, advocacy and other professional skills, which make students more attractive to potential employers. The Law Clinic gives students the opportunity to carry out pro bono work.

I am an aspiring Barrister...I participate heavily in mooting, and have attended criminal and family law proceedings in different courts in and around London

Temitayo Oguntade

UCAS Codes

Law LLB

<table>
<thead>
<tr>
<th>Code</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>M103</td>
<td>3 years</td>
</tr>
<tr>
<td>M101</td>
<td>4 years</td>
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</tbody>
</table>

Law with Criminal Justice LLB

<table>
<thead>
<tr>
<th>Code</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>M1M2</td>
<td>3 years</td>
</tr>
<tr>
<td>MCM2</td>
<td>4 years</td>
</tr>
</tbody>
</table>

Law with International Arbitration and Commercial Law LLB

<table>
<thead>
<tr>
<th>Code</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>MDM2</td>
<td>3 years</td>
</tr>
<tr>
<td>M1MF</td>
<td>4 years</td>
</tr>
</tbody>
</table>

= full-time

= thick-sandwich
work, which gives them real work experience, enhancing skills such as legal research and client interviewing. Short courses and extracurricular opportunities help students develop key skills such as communication, team work, research and analytical skills.

We offer lots of extra-curricular activities including a Pro Bono Centre and mooting competitions

Careers
You may take advantage of our professional exemptions and train to become a barrister or solicitor, but our degree could take you into areas other than law, including mediation, consultancy, industry, commerce, public administration, the social services, management and humanitarian aid. Recent graduates have found employment in areas such as case work at a large consultancy firm, in business development at a leading regional law firm and university administration.

Placements
A placement allows you to experience working in a legal environment before making a long-term career decision. Most placements are with firms of solicitors; however there are also opportunities within law centres, in the legal departments of commercial organisations and local councils.

Typical Modules
- Contract Law
- Criminal Law
- Legal Skills and Method
- Public Law
- The Criminal Justice System
- European Union Law
- The Civil Justice System
- Land Law
- Tort Law
- Trusts
- Dissertation
- Banking Law
- Children and the Law
- Company Law
- Competition Law
- Consumer Law
- Criminology
- Employment Law
- Evidence
- Family Law
- Intellectual Property Law
- International Human Rights
- International Law
- International Sales Law and Arbitration
- Jurisprudence
- Sentencing and Penology
- Taxation of Income

Entry Criteria
GCE A-Level AAB – ABB. Typical offer AAB, excluding General Studies.
IB Diploma 35 points
BTEC Level 3 Extended Diploma D*D*D in Business or Public Services.
For BTEC Level 3 and A-level combinations see the course web page.

Access to HE Diploma
Complete and pass Access to Law course with 45 credits at Level 3 Distinction and 15 credits at Level 2.
In addition 5 GCSEs or equivalent at Grade C or above, to include English and Maths, are required.
Financial Mathematics BSc/MMath

UCAS Codes
Financial Mathematics BSc
GN13  3 years  
GND3  4 years  

Financial Mathematics
MMath
GN1H  4 years  
GN1J  5 years  

= full-time
= thick-sandwich

About the Course
This course is for you if you are a committed Maths student interested in a career in the fast moving world of finance or commerce. You will develop high level study skills that will be hugely valuable whatever career path you follow after graduation.

This course covers several application areas – finance, statistics, operational research (how Maths can be applied to commercial and industrial problems) and numerical analysis. It also covers the workings of financial markets, and corporate investment and finance. You will acquire the skills needed to develop mathematical and statistical knowledge, as well as a good awareness of financial institutions, markets and their workings. MMath students study for a further year, bringing their degree up to Master's level.

Teaching and Assessment
We use a range of approaches to help you engage effectively with the subject. Teaching methods include lectures, tutorials and one-to-one supervision for major projects. Assessment is through exams and coursework.

Employability
The recent combination of financial deregulation, increased globalisation and technological advancement has led to a huge increase in the nature and volume of financial derivatives contracts traded around the world. This has led to a massive demand within financial institutions for mathematically trained graduates with an awareness of markets and their workings.

Careers
You will possess key skills that are highly sought-after in any industry that uses modelling, simulation, cryptography,

The facilities at Brunel are brilliant, especially the 24 hour availability of the computer rooms

Afsar Alam
forecasting, statistics, risk analysis and probability. A Maths degree is also valued highly in finance, medicine, design, science, the Civil Service, business, IT and Engineering.

Placements
You will have the opportunity to gain invaluable work experience alongside experts in industry, the public sector and commerce – both in the UK or overseas – including at BUPA, Debenhams, HSBC, IBM, Thomson Reuters and Virgin Trains.

Typical Modules
- Linear Algebra
- Calculus and Numerical Methods
- Discrete Mathematics, Probability and Statistics
- Financial Markets
- Financial Accounting
- Multivariable Calculus, Analysis and Numerical Methods
- Statistics and Probability
- Graph Theory
- Operational Research
- Computing Projects
- Elements of Investment Science
- Programming and Software Design for Finance
- Major Project
- Stochastic Models
- Risk and Optimisation in Finance
- Mathematical Finance
- Statistics
- Ordinary and Partial Differential Equations
- Numerical Methods for Differential Equations

Graduates now work for Accenture, IBM, British Aerospace, Ernst and Young, BT and the BBC

MMath
- Advanced Project
- Risk, Simulation and Decision Analysis
- Variational Methods for Partial Differential Equations
- Advanced Mathematical Finance
- Stochastic PDEs and Ito’s Calculus
- Risk Management and Regulation

BSc Entry Criteria
GCE A-level ABB, including Grade A in Mathematics or Further Mathematics.
IB Diploma 33 points, including 6 points in Higher level Mathematics.

BTEC Level 3 Extended Diploma is not accepted for the MMaths entry. BTEC students are encouraged to apply for the BSc degree in this subject and if they achieve sufficient grades on Year 1 of the course they can discuss transferring to the MMaths.

Access to HE Diploma is not accepted for the MMaths entry. Access students are encouraged to apply for the BSc degree in this subject and if they achieve sufficient grades on Year 1 of the course they can discuss transferring to the MMaths.

For Information Systems, Computing and Mathematics with an Integrated Foundation Year entry see page 149.

Contact Dr D Roman maths.admissions@brunel.ac.uk +44 (0)1895 265180

Maths Level 3 Maths units at Distinction. Applicants must also have an A-level in Maths grade A.
In addition 5 GCSEs or equivalent at Grade C or above, to include English and Maths, are required.

MMath Entry Criteria
GCE A-level AAA, including Grade A in Mathematics or Further Mathematics.
IB Diploma 37 points, including 6 points in Higher level Mathematics.

BTEC Level 3 Extended Diploma is not accepted for the MMaths entry. BTEC students are encouraged to apply for the BSc degree in this subject and if they achieve sufficient grades on Year 1 of the course they can discuss transferring to the MMaths.

Access to HE Diploma is not accepted for the MMaths entry. Access students are encouraged to apply for the BSc degree in this subject and if they achieve sufficient grades on Year 1 of the course they can discuss transferring to the MMaths.

In addition 5 GCSEs or equivalent at Grade C or above, to include English and Maths, are required.

For Information Systems, Computing and Mathematics with an Integrated Foundation Year entry see page 149.
Mathematics BSc/MMath

UCAS Codes

Mathematics BSc
G103  3 years
G104  4 years

Mathematics MMath
G100  4 years
G101  5 years

= full-time
= thick-sandwich

About the Course

This is a broad-based course that aims to develop skills that you can use in a wide range of areas. This course aims to equip you with a deep understanding and versatility in applying mathematical knowledge to scientific, technological, business and other areas.

You will study many aspects of pure and applied Mathematics, together with general concepts of mathematical modelling. When it comes to the application of mathematics, we cover finance, statistics, operational research (how maths can be applied to commercial and industrial problems), numerical analysis (the approximate solution of very hard problems) and mechanics. In the final year you will be able to study those areas of mathematics that particularly appeal to you, or you can maintain a broad approach.

Teaching and Assessment

We use a range of approaches including lectures, seminars and one-to-one supervision for your project. You will be assessed using a combination of exams and coursework.

Employability

As a Brunel Maths graduate you will enjoy excellent employment prospects. Our combination of work experience and up-to-date teaching means that you will be well-equipped to follow the career you want. You will possess key skills that are highly sought after by any industry that uses modelling, simulation, cryptography, forecasting, statistics, risk analysis and probability.

What I liked most about my course was the challenge and the analytical and problem solving skills it taught me. For my placement I worked for Fly.com – it taught me a lot

Andre Wright
Careers
A Maths degree is valued highly in finance, medicine, design, Civil Service, Business, IT and engineering, among others. Past graduates have gone on to work for companies including IBM, Kodak, PricewaterhouseCoopers, Bank of New York, British Aerospace, Ernst and Young, Virgin Trains, BT and the BBC.

Placements
You will have the opportunity to gain invaluable work experience alongside experts in industry, the public sector and commerce – both in the UK or overseas.

Typical Modules
• Linear Algebra
• Calculus and Numerical Methods
• Geometry and Applications
• Computing Projects and Mechanics
• Discrete Mathematics, Probability and Statistics
• Multivariable Calculus and Numerical Methods
• Statistics and Probability
• Graph Theory
• Operational Research
• Computing Projects
• Algebra and Discrete Mathematics
• Vector Calculus and Applications
• Analysis
• Major Project
• Statistics
• Numerical Methods for Differential Equations
• Complex Variable Methods and Applications

Wide topic choice means you can shape your degree to match your interests and strengths

BSc Entry Criteria
GCE A-level ABB, including Grade A in Mathematics or Further Mathematics.
IB Diploma 33 points, including 6 points in Higher level Mathematics.
BTEC Level 3 Extended Diploma is not accepted for the BSc degree in this subject. BTEC students are encouraged to apply for the BSc degree in this subject and if they achieve sufficient grades on Year 1 of the course they can discuss transferring to the MMaths.

Access to HE Diploma is not accepted for the MMaths entry. Access students are encouraged to apply for the BSc degree in this subject and if they achieve sufficient grades on Year 1 of the course they can discuss transferring to the MMaths.

In addition 5 GCSEs or equivalent at Grade C or above, to include English and Maths, are required.

For Information Systems, Computing and Mathematics with an Integrated Foundation Year entry see page 149.

MMath Entry Criteria
GCE A-level AAA, including Grade A in Mathematics or Further Mathematics.
IB Diploma 37 points, including 6 points in Higher level Mathematics.
BTEC Level 3 Extended Diploma is not accepted for the MMaths entry. BTEC students are encouraged to apply for the BSc degree in this subject and if they achieve sufficient grades on Year 1 of the course they can discuss transferring to the MMaths.

In addition 5 GCSEs or equivalent at Grade C or above, to include English and Maths, are required.

For Information Systems, Computing and Mathematics with an Integrated Foundation Year entry see page 149.

Contact Dr D Roman
maths.admissions@brunel.ac.uk +44 (0)1895 265180
Mathematics with Computer Science BSc

About the course
As a Mathematics student you will develop an outlook and high level study skills that will be hugely valuable whatever career path you follow. You will acquire skills necessary to implement mathematical algorithms in modern programming languages.

The course is wide-ranging and covers several application areas including finance, statistics, operational research (how Maths can be applied to commercial and industrial problems), numerical analysis and mechanics. You will develop computer-oriented solutions to important mathematical problems that arise in business and industry, such as investment finance, telecommunications and engineering.

The computing component covers object-oriented programming and software design, and is supported by a significant amount of project work. The mathematics element is wide-ranging, and covers aspects of modern algebra that are related to computer science. Although theory is important, we place emphasis on best practice and real world applications.

Teaching and Assessment
Teaching methods include lectures, seminars and one-to-one supervision for your final project. You will be assessed using a combination of exams and coursework.

My placement with the Ministry of Defence helped to put into good use all the theoretical knowledge I acquired on my degree. It also gave me the chance to explore and learn new skills as well as understand what is expected of graduates.

Tina Vida

UCAS Codes
Mathematics with Computer Science BSc
G1GL 3 years
G1GK 4 years

= full-time
= thick-sandwich

www.brunel.ac.uk
Employability
Maybe you want to pursue a career that specifically uses your mathematical, statistical or computing skills? Or perhaps you’d prefer a more general career – such as management or consultancy? Either way you will possess key skills that are highly sought after by business – in fact any industry that uses modelling, simulation, cryptography, forecasting, statistics, risk analysis and probability.

Placements
You will have the opportunity to gain invaluable work experience alongside experts in industry, the public sector and commerce – both in the UK or overseas – including accountancy, aviation, banking, defence, finance, IT and management.

Careers
Our combination of work experience and up-to-date teaching means that you will be well-equipped to follow the career you want after graduation. Areas where a Maths degree is valued highly include finance, medicine, design, science, engineering, Business, IT and the Civil Service.

Typical Modules
- Linear Algebra
- Calculus and Numerical Methods
- Discrete Mathematics, Probability and Statistics
- Introductory Programming
- Logic and Computation
- Multivariable Calculus, Analysis and Numerical Methods
- Statistics and Probability
- Graph Theory
- Operational Research
- Computing Projects
- Software Development and Management
- Algorithms and their Applications
- Major Project
- Encryption and Data Compression
- Software Engineering
- Statistics
- Numerical Methods for Differential Equations
- Risk and Optimisation in Finance
- Ordinary and Partial Differential Equations
- Stochastic Models
- Artificial Intelligence

Entry Criteria
GCE A-level ABB, including Grade A in Mathematics or Further Mathematics.

IB Diploma 33 points, including 6 points in Higher level Mathematics.

BTEC Level 3 Extended Diploma DDD plus A-level Mathematics at Grade A.

For BTEC Level 3 and A-level combinations see the course web page.

Access to HE Diploma Complete and pass relevant Access course with 45 credits at Level 3, of which 30 credits must be at Distinction and 15 credits at Merit or higher. Must have 15 Maths Level 3 Maths units at Distinction. Applicants must also have an A-level in Maths grade A.

In addition 5 GCSEs or equivalent at Grade C or above, to include English and Maths, are required.

For Information Systems, Computing and Mathematics with an Integrated Foundation Year entry see page 149.

Contact Dr D Roman maths.admissions@brunel.ac.uk +44 (0)1895 265180
Mathematics and Statistics with Management BSc

UCAS Codes

Mathematics and Statistics with Management BSc

<table>
<thead>
<tr>
<th>Code</th>
<th>Duration</th>
<th>Type</th>
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<td>F</td>
</tr>
<tr>
<td>G1NF</td>
<td>4 years</td>
<td>THICK</td>
</tr>
</tbody>
</table>

F = full-time
THICK = thick-sandwich

About the course

As a Mathematics student you will develop high level skills that will be hugely valuable whatever career path you follow.

This course is for students who are fascinated by both Mathematics and the world of business. We will equip you with the skills and techniques you will need to develop mathematical and statistical knowledge as well as a sound grounding in key business and management issues.

We place special emphasis on statistics and operational research as these areas are especially relevant to management theory.

Teaching and Assessment

We use a range of approaches including lectures, seminars and one-to-one supervision for your final project. You will be assessed using a combination of exams and coursework.

Employability

You could pursue a career that specifically uses your mathematical or statistical skills or follow a more general career such as management or consultancy as you will possess key skills that are highly sought after by business – in fact any industry that uses modelling, simulation, cryptography, forecasting, statistics, risk analysis and probability.
Careers
Maths degrees are highly-valued in areas such as finance, design, engineering, IT and Business. You will be well-equipped to follow the career you want. Graduates have gone on to work for Accenture, Rank Xerox, Bank of New York, British Aerospace, Merrill Lynch, Ernst and Young, BT and the BBC.

Placements
You will have the opportunity to gain invaluable work experience alongside experts in industry, the public sector and commerce – both in the UK or overseas.

Typical Modules
- Linear Algebra
- Calculus and Numerical Methods
- Discrete Mathematics, Probability and Statistics
- Organisational Behaviour and Analysis
- Principles and Practice of Marketing
- Accounting
- Multivariable Calculus, Analysis and Numerical Methods
- Statistics and Probability
- Graph Theory
- Operational Research
- Computing Projects
- Critical Perspectives in Management
- Human Resources Management and its International Dimension
- Managing Change and Creativity in Organisations
- Management Accounting – Planning and Control
- Major Project
- Risk and Optimisation in Finance
- Statistics
- Numerical Methods for Differential Equations
- Encryption and Data Compression
- Ordinary and Partial Differential Equations
- Stochastic Models
- Entrepreneurship and Small Business Ventures
- Gender and Organisations
- Strategic Management
- Strategic Financial Management
- Innovation and Knowledge Management
- Business Ethics, Environmental Sustainability and Governance

Entry Criteria
GCE A-level ABB, including Grade A in Mathematics or Further Mathematics.
IB Diploma 33 points, including 6 points in Higher level Mathematics.
BTEC Level 3 Extended Diploma DDD plus A-level Mathematics at Grade A.

For BTEC Level 3 and A-level combinations see the course web page.

Access to HE Diploma Complete and pass relevant Access course with 45 credits at Level 3, of which 30 credits must be at Distinction and 15 credits at Merit or higher. Must have 15 Maths Level 3 Maths units at Distinction. Applicants must also have an A-level in Maths grade A.

In addition 5 GCSEs or equivalent at Grade C or above, to include English and Maths, are required.

For Information Systems, Computing and Mathematics with an Integrated Foundation Year entry see page 149.

Our degrees are designed to meet the needs of industry and the marketplace

Contact Dr D Roman maths.admissions@brunel.ac.uk +44 (0)1895 265180
Aerospace Engineering BEng/MEng

About the Course
This degree provides a rigorous and traditional academic education coupled with a well-developed appreciation of the highly technical nature of the aerospace industry. Subjects that will be studied include analytical and computational skills, principles and concepts appropriate to the design and operation of aircraft, and professional skills for the aerospace industry.

This course aims to produce highly qualified aerospace engineers equipped with the skills for employment in the field of aerospace engineering and related topics.

Staff teaching on the course carry out research with collaborators outside the University, including aircraft manufacturers. Students benefit from excellent laboratory facilities, including a full-motion aircraft flight simulator. Industry-standard specialist software for engineering design is available to students 24 hours a day in dedicated computer clusters.

Accreditation
The programme is accredited by the Royal Aeronautical Society (RAeS) and the Institution of Mechanical Engineers (IMechE). The MEng degree course fulfils the academic requirement to go forward for registration as a Chartered Engineer (CEng).

Teaching and Assessment
You will be taught using a variety of methods including lectures, laboratories, design studios and one-to-one supervision. You will undertake assignments, project work, reports on laboratory practicals, oral presentations, short tests and examinations.

Employability
We have a reputation for producing graduates of the highest calibre, equipped with...
transferable skills that are designed to meet the challenges of employment within the engineering sector. Generally, our MEng students have a number of job offers before they graduate.

**Placements**
The sandwich degree programme enables students to undertake high-quality, paid work placements within prominent companies and organisations, which can count towards the professional development needed to become a Chartered Engineer.

**Careers**
Aerospace Engineering graduates take up employment in fields such as aircraft and components design and manufacture, maintenance and testing, flight simulation, aviation, avionics, patent engineering, and many more.

**Typical Modules**
- Principles of Aircraft Design
- Professional Engineering Applications and Practice
- Computing, Analytical Methods, Control and Instrumentation
- Major Individual Project
- Propulsion Systems, Aircraft Structures and Materials
- FEA, CFD and Design of Engineering Systems (BEng)
- FEA, CFD and Numerical Modelling (MEng)

**BEng Entry Criteria**
- GCE A-level AAB, including Maths and Physics (General Studies and Critical Thinking not accepted).
- IB Diploma 35 points, including 6 in Higher level Mathematics and 6 in Higher level Physics.
- BTEC Level 3 Extended Diploma D*D*D, including Distinction grade in Further Mathematics for Technicians and Further Mechanical Principles.

**MEng Entry Criteria**
- GCE A-level AAA, including Maths and Physics (General Studies and Critical Thinking not accepted).
- IB Diploma 37 points, including 6 in Higher level Mathematics and 6 in Higher level Physics.
- BTEC Level 3 Extended Diploma D*D*D*, including Distinction grade in Further Mathematics for Technicians and Further Mechanical Principles.

For BTEC Level 3 and A-level combinations see the course web page.

**Access to HE Diploma**
Complete and pass Access to Engineering course with 45 credits at Level 3, of which 30 credits must be at Distinction and 15 credits at Merit or higher. All Maths and Physics units must be Distinctions at Level 3.

**Recent graduates work for**
- British Airways, Airbus, BAE Systems, GE Aviation and the Ministry of Defence

**Contact**
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**Access to HE Diploma**
Courses

For both BEng and MEng programmes 5 GCSEs or equivalent at Grade C or above, to include English and Maths, are required.
Automotive Engineering BEng/MEng

About the Course
This degree aims to produce automotive engineering graduates of the highest calibre, fully equipped with the technical and managerial skills required to design, develop and manufacture future environmentally friendly road vehicles of acceptable performance, reliability and cost.

Subjects studied include analytical and computational skills, principles and concepts appropriate to the design and operation of road car and commercial vehicles, such as materials, manufacturing methods, internal combustion engines, aerodynamics, vehicle performance and electronics and professional skills modules designed to equip graduates with commercial awareness.

Teaching and Assessment
Teaching is by a mixture of lectures, laboratories, design studios and one-to-one supervision. There are written examinations in May of each year. In Level 3 all students undertake a major individual project, often with industrial support.

Placements
If you opt for a sandwich course, you will have the added bonus of putting your academic study into practice and developing ideas about future careers. Some graduates are offered full-time graduate posts at the companies where they carried out their work placements.

MEng Final Year Project
All students participate in a team project of 5-6 people, which develops transferable skills and the ability to design, manufacture and test an automotive product, typically aimed at low carbon use.

Careers
The UK automotive industry is historically known for innovative automotive engineering, clearly demonstrated by various technical centres of excellence set up by global car manufacturers and suppliers in recent years. The exciting low carbon vehicle technologies now being developed within the UK make for a highly challenging and exciting career for UK automotive engineering graduates.

A number of Brunel graduates are currently working in key technical and managerial positions within the automotive industry. Recent destinations have

UCAS Codes
Automotive Engineering BEng
HH30 3 years  
HHN1 4 years THICK

Automotive Engineering MEng
HHH0 4 years  
H3N1 5 years THICK

= full-time
THICK = thick-sandwich
included Jaguar Land Rover, Aston Martin, McLaren Automotive, Bentley Motors, Ford, Lotus Cars, BP, Mahle Powertrain, JCB, Perkins and Delphi.

Typical Modules

- Solid Body Mechanics
- Thermofluids
- Analytical Methods and Skills
- Engineering Materials, Manufacturing and Electrical Machines
- Engineering Design
- Automotive Laboratories, Technical Drawing and Workshop Experience
- Computing, Analytical Methods, Control and Instrumentation
- Professional Engineering Applications and Practice
- Major Individual Project
- Automotive Structures, Propulsion and Manufacture
- FEA, CFD and Design of Engineering Systems (BEng)
- FEA, CFD and Numerical Modelling (MEng)

MEng

- Major Group Project
- Advanced Automotive Propulsion and Sustainability
- Advanced Automotive Performance and Reliability
- Strategic Management, Innovation and Enterprise
- Advanced Thermofluids
- Advanced Solid Body Mechanics

BEng Entry Criteria

GCE A-level AAB, including Maths and Physics (General Studies and Critical Thinking not accepted).

IB Diploma 35 points, including 6 and 5 in Higher level Mathematics and Higher level Physics.

BTEC Level 3 Extended Diploma D*+D*, including Distinctions in Further Mathematics for Technicians and Further Mechanical Principles.

For BTEC Level 3 and A-level combinations see the course web page.

Access to HE Diploma courses are not accepted for the MEng entry. Access students should apply for the BEng in this subject. Those who achieve the progression requirements on our degree can transfer to the MEng at the end of Level 2.

For Engineering with an Integrated Foundation Year entry see page 148.

For both BEng and MEng programmes 5 GCSEs or equivalent at Grade C or above, to include English and Maths, are required.

MEng Entry Criteria

GCE A-level AAA, including Maths and Physics (General Studies and Critical Thinking not accepted).

IB Diploma 37 points, including 6 in Higher level Mathematics and 6 in Higher level Physics.

BTEC Level 3 Extended Diploma D*+D*, including Distinction grade in Further Mathematics for Technicians and Further Mechanical Principles.

Our laboratories have advanced equipment and software where you can learn through activity-based projects.

Contact Mrs Petra Gratton  
me-ug-admissions@brunel.ac.uk  
+44 (0)1895 266633

www.brunel.ac.uk/courses  
Check the Web for up-to-date course, entry criteria and fees information
Aviation Engineering BEng/MEng
Aviation Engineering with Pilot Studies BEng/MEng

About the Course
Aviation Engineering is aimed at those students who wish to undertake engineering roles within the operational side of the aviation industry, but who also retain an interest in flying.

Aviation Engineering with Pilot Studies provides an ideal starting point to train to become a professional pilot. It incorporates fundamental practice and theory, but also presents the opportunity to obtain a Private Pilot’s Licence (PPL) and flight training at an extra cost.

The MEng covers more detailed technical aspects, such as computer modelling and aeronautics.

Accreditation
The programme is accredited by the Royal Aeronautical Society (RAeS) and the Institution of Mechanical Engineers (IMechE). The MEng degree course fulfils the academic requirement for registration as a Chartered Engineer (CEng). The BEng degree course fulfils the academic requirement to go forward for registration as an Incorporated Engineer (IEng); it partially fulfils the academic requirement for Chartered Engineer (CEng) registration.

Teaching and Assessment
You will be taught through a variety of methods including lectures, laboratories, design studios and one-to-one supervision. You will undertake assignments, project work, reports on practicals, presentations, tests and written examinations.

Employability
We have an established reputation for producing graduates equipped with transferable skills that are designed to meet the needs of the engineering sector.

Placements
Students undertake paid work placements in aviation or related industry, which can count towards the professional development needed to become an Incorporated or Chartered Engineer.

UCAS Codes

Aviation Engineering BEng
HH4C 3 years
HHC4 4 years

Aviation Engineering with Pilot Studies BEng
H1HK 3 years
H1HL 4 years

Aviation Engineering MEng
HH41 4 years
HH14 5 years

Aviation Engineering with Pilot Studies MEng
H1H4 4 years
H1HL 5 years

= full-time
= thick-sandwich

Graduates have gone on to work for the RAF, British Airways, Airbus, Monarch Airlines and Easyjet
Careers

These courses have been developed to allow graduates a range of career options within the aircraft industry. Graduates can enter almost any professional aerospace career, for example as an aeronautical engineer, commercial or military pilot or air traffic controller.

Typical Modules

- Solid Body Mechanics
- Thermofluids
- Analytical Methods and Skills
- Aircraft Ground Theory and Flying Practice, or Design Project
- Engineering Materials, Manufacturing and Electrical Machines
- Aerospace Laboratories, Technical Drawing and Workshop Experience
- Performance and Control of Aircraft
- Principles of Aircraft Design
- Professional Engineering Applications and Practice
- Major Individual Project
- Propulsion Systems, Aircraft Structures and Materials
- Flight Testing and Airport Environment and Design (BEng)
- FEA, CFD and Numerical Modelling (MEng)

BEng Entry Criteria

GCE A-level AAB, including Maths and Physics (General Studies and Critical Thinking not accepted).

IB Diploma 35 points, including 6 and 5 in Higher level Mathematics and Higher level Physics.

BTEC Level 3 Extended Diploma D*D*D, including Distinction grade in Further Mathematics for Technicians and Further Mechanical Principles.

For BTEC Level 3 and A-level combinations see the course web page.

Access to HE Diploma courses are not accepted for the MEng entry. Access students should apply for the BEng in this subject. Those who achieve the progression requirements on our degree can transfer to the MEng at the end of Level 2.

For Engineering with an Integrated Foundation Year entry see page 148.

For both BEng and MEng programmes 5 GCSEs or equivalent at Grade C or above, to include English and Maths, are required.

MEng Entry Criteria

GCE A-level AAA, including Maths and Physics (General Studies and Critical Thinking not accepted).

IB Diploma 37 points, including 6 in Higher level Mathematics and 6 in Higher level Physics.

BTEC Level 3 Extended Diploma D*D*D*, including Distinction grade in Further Mathematics for Technicians and Further Mechanical Principles.

For BTEC Level 3 and A-level combinations see the course web page.

Access to HE Diploma courses are not accepted for the MEng entry. Access students should apply for the BEng in this subject. Those who achieve the progression requirements on our degree can transfer to the MEng at the end of Level 2.

For Engineering with an Integrated Foundation Year entry see page 148.

For both BEng and MEng programmes 5 GCSEs or equivalent at Grade C or above, to include English and Maths, are required.

Contact Mrs Petra Gratton me-ug-admissions@brunel.ac.uk +44 (0)1895 266633

There is so much experience and knowledge that you can gain, so many opportunities that you can take advantage of.

Simon Williams
Mechanical Engineering BEng/MEng

About the Course
The mainstream Mechanical Engineering course covers all the fundamental elements of mechanical engineering and design, and provides a background in related fields such as computing, electronics, electrical engineering, control, energy and environment. To give you greater commercial insight and awareness, you will also study elements of management, ethics, finance and engineering law.

This course aims to produce highly qualified mechanical engineers with qualities and transferable skills for demanding employment in industry, commerce and public service where leadership, initiative, personal responsibility and professionalism are required.

The course also offers four pathways allowing you to specialise at Level 3 in the fields of general mechanical engineering, aeronautics, automotive design or building services. If you enter on the BEng route, you can transfer to the MEng programme at the end of Level 2 by obtaining a pre-set progression standard.

Accreditation
The programme is accredited by the Institution of Mechanical Engineers (IMechE). The MEng degree course fulfils the academic requirement for registration as a Chartered Engineer (CEng). The BEng degree course fulfils the academic requirement to go forward for registration as an Incorporated Engineer (IEng); it partially fulfils the academic requirement for Chartered Engineer (CEng) registration.

Teaching and Assessment
Teaching is by a mixture of lectures, laboratories, design studios and one-to-one supervision. You will undertake assignments, project work, reports on laboratory practicals, oral presentations, short tests and examinations.

Employability
We have a reputation for producing graduates of the highest calibre, equipped with transferable skills that are designed to meet the challenges of employment within the engineering sector. Generally, our MEng students have a number of job offers before they graduate.

Careers
The range of industries in which our graduates choose to work is vast, including aviation, agricultural machinery, automotive design, building services engineering, electronics, gas and water supply, oil production, mining and mineral processing, nuclear power, patent engineering, the armed forces and the railways.

Placements
The sandwich option enables students to undertake high-quality, paid work placements within prominent companies and organisations which counts towards the professional development needed to become a Chartered Engineer.

MEng Final Year Project
All students participate in a team project of 5-6 people. Recent examples of projects have included a novel means of
filtering water, and applying fuel-cell technology to motorcycles.

## Typical Modules

- Solid Body Mechanics
- Thermofluids
- Analytical Methods and Skills
- Engineering Materials, Manufacturing and Electrical Machines
- Engineering Design
- Mechanical Laboratories, Technical Drawing and Workshop Experience
- Computing, Analytical Methods, Control and Instrumentation
- Professional Engineering Applications and Practice
- Design and Analysis of Mechanical Systems and Components
- Major Individual Project
- FEA, CF and Design of Engineering Systems (BEng)
- FEA, CF and Numerical Modelling (MEng)
- Sustainability, Mechatronics, and IC Engines (General Mechanical Engineering (GME))
- Principles of Aircraft Design (Aeronautics)
- Vehicle Design and IC Engines (Automotive Design)
- Mechanical and Electrical Services for Buildings (Building Services)

### BEng Entry Criteria

**GCE A-level** AAB, including Maths and Physics (General Studies and Critical Thinking not accepted).

**IB Diploma** 35 points, including 6 and 5 in Higher level Mathematics and Higher level Physics.

### MEng Entry Criteria

**GCE A-level** AAA, including Maths and Physics (General Studies and Critical Thinking not accepted).

**IB Diploma** 37 points, including 6 in Higher level Mathematics and 6 in Higher level Physics.

**BTEC Level 3 Extended Diploma** D*D*D*, including Distinction grade in Further Mathematics for Technicians and Further Mechanical Principles.

For **BTEC Level 3 and A-level** combinations see the course web page.

### Access to HE Diploma

Courses are not accepted for the MEng entry. Access students should apply for the BEng in this subject. Those who achieve the progression requirements on our degree can transfer to the MEng at the end of Level 2.

For **Engineering with an Integrated Foundation Year** entry see page 148.

For both BEng and MEng programmes 5 **GCSEs** or equivalent at Grade C or above, to include English and Maths, are required.

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**Contact** Mrs Petra Gratton  
Email: me-ug-admissions@brunel.ac.uk  
Tel: +44 (0)1895 266633
About the Course

This course aims to prepare graduates for work with power plants or manufacturers of power plant equipment (mechanical). It covers various aspects of mechanical engineering directly related to energy engineering including engineering design, techno-economic analysis and operation of energy technologies and systems.

Modules range from the basics of mechanical and (both conventional and new/renewable) energy engineering to complex fluid flow and heat transfer and engineering economics.

Teaching and Assessment

You will learn through a mixture of lectures and seminars, laboratory practicals, field work, self-study, individual research reports, design studios and one-to-one supervision. There are written examinations in May of each year. In Level 3 all students undertake a major individual project, often with industrial support.

Placements

If you opt for a sandwich course, you will have the added bonus of putting your academic study into practice and developing ideas about future careers.

Careers

Opportunities exist throughout the world as contributors to the challenging global energy market. The UK Climate Change Act 2008 includes legally binding targets for the UK to reduce its greenhouse gas (GHG) emissions by at least 80 per cent by 2050, and by at least 34 per cent by 2020. Methods of energy generation, sources of energy consumption, amount of energy demand and how it is delivered have a strong bearing on GHG emissions. Renewables are being promoted through favourable policies such as Feed in Tariff (FiT) and Renewable Heat Incentive (RHI) schemes. Private and public sectors are gearing up to meet this challenge. It is expected that graduates from this course will be suitable for employment in this growing sector.

Typical Modules

- Solid Body Mechanics
- Thermofluids
- Analytical Methods and Skills
- Engineering Materials and Design
- Energy and Electrical Power

UCAS Codes

Mechanical and Energy Engineering BEng

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<th>Code</th>
<th>Duration</th>
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<tr>
<td>HH38</td>
<td>3 years</td>
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Mechanical and Energy Engineering MEng

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<th>Code</th>
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<td>4 years</td>
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<td>HJN1</td>
<td>5 years</td>
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</tbody>
</table>

* = full-time
THICK = thick-sandwich
Mechanical and Energy Laboratories, Technical Drawing and Workshop Experience
Professional Engineering Applications and Practice
Computing, Analytical Methods, Control and Instrumentation
Conventional and Renewable Energy Systems
Major Individual Project
Power Generation Systems and Sustainability
FEA, CFD and Design of Engineering Systems (BEng)
FEA, CFD and Numerical Modelling (MEng)
MEng Entry Criteria
GCE A-level AAA, including Maths and Physics (General Studies and Critical Thinking not accepted).
IB Diploma 37 points, including 6 in Higher level Mathematics and 6 in Higher level Physics.
BTEC Level 3 Extended Diploma D* D*, including Distinction grade in Further Mathematics for Technicians and Further Mechanical Principles.
For BTEC Level 3 and A-level combinations see the course web page.
Access to HE Diploma courses are not accepted for the MEng entry. Access students should apply for the BEng in this subject. Those who achieve the progression requirements on our degree can transfer to the MEng at the end of Level 2.
For Engineering with an Integrated Foundation Year entry see page 148.
For both BEng and MEng programmes 5 GCSEs or equivalent at Grade C or above, to include English and Maths, are required.

Some graduates are offered full-time posts at the companies where they carried out their work placements

Contact Mrs Petra Gratton
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www.brunel.ac.uk/courses
Check the Web for up-to-date course, entry criteria and fees information
Motorsport Engineering  BEng/MEng

UCAS Codes

Motorsport Engineering BEng
H336  3 years
H335  4 years

Motorsport Engineering MEng
H331  4 years
H334  5 years

= full-time
= thick-sandwich

About the Course

This degree provides a rigorous and traditional academic education coupled with a well-developed appreciation of the highly competitive and commercial nature of the automotive industry generally, and the motorsport sector specifically. The subjects studied include analytical and computational skills, principles and concepts appropriate to the design and operation of racing vehicles, such as materials, manufacturing methods, IC engines, aerodynamics, vehicle dynamics and electronics, and professional skills.

This course aims to produce highly qualified motorsport engineers equipped with qualities and transferable skills for employment in the motorsport, automotive and related industries and in the public sector.

Accreditation

The programme is accredited by the Institution of Mechanical Engineers (IMechE). The MEng degree course fulfils the academic requirement to go forward for registration as a Chartered Engineer (CEng).

Teaching and Assessment

Teaching is by a mixture of lectures, laboratories, design studios and one-to-one supervision. You will undertake assignments, project work, reports on laboratory practicals, oral presentations, tests and examinations.

MEng Final Year Project

Motorsport Engineering students form the management team of Brunel Racing FS, and take on the responsibility of designing, building, testing, and competing a prototype race car in Formula Student competitions.

I competed as a team member at Formula Student motorsport design competitions

Duncan McKay
Employability
We have a reputation for producing graduates of the highest calibre, equipped with transferable skills that are designed to meet the challenges of employment within the engineering sector. Generally, our MEng students have a number of job offers before they graduate.

Careers
Motorsport is a highly competitive global industry which is constantly evolving as companies seek to gain an edge. A number of Brunel graduates are currently working in motorsport or related engineering companies holding senior positions. Destinations have included Williams F1, Mercedes GP, Force India F1, Lotus, Virgin Racing, Jaguar Land Rover, Mercedes HPP and Triumph Motorcycles.

Placements
Sandwich students spend a year working in motorsport or a related industry. Some graduates are offered full-time graduate posts at the companies where they carried out their work placements.

Typical Modules
- Solid Body Mechanics
- Thermofluids
- Analytical Methods and Skills
- Engineering Materials, Manufacturing and Electrical Machines
- Engineering Design
- Motorsport Laboratories, Technical Drawing and Workshop Experience
- Computing, Analytical Methods, Control and Instrumentation
- Professional Engineering Applications and Practice
- Racing Vehicle Design
- Major Individual Project
- Vehicle Performance
- FEA, CFD and Design of Engineering Systems (BEng)
- FEA, CFD and Numerical Modelling (MEng)
- Major Group Project
- Racing Team Management and Vehicle Testing
- Strategic Management, Innovation and Enterprise
- Advanced Vehicle Dynamics, IC Engines, Materials and Manufacturing
- Advanced Thermofluids
- Advanced Solid Body Mechanics
- Advanced Solid Body Mechanics
- Computing, Analytical Methods, Control and Instrumentation
- Professional Engineering Applications and Practice
- Racing Vehicle Design
- Major Individual Project
- Vehicle Performance
- FEA, CFD and Design of Engineering Systems (BEng)
- FEA, CFD and Numerical Modelling (MEng)

BEng Entry Criteria
GCE A-level AAB, including Maths and Physics (General Studies and Critical Thinking not accepted).

IB Diploma 35 points, including 6 in Higher level Mathematics and 6 in Higher level Physics.

BTEC Level 3 Extended Diploma D*D*D*, including Distinction grade in Further Mathematics for Technicians and Further Mechanical Principles.

For BTEC Level 3 and A-level combinations see the course web page.

Access to HE Diploma courses are not accepted for the MEng entry. Access students should apply for the BEng in this subject. Those who achieve the progression requirements on our degree can transfer to the MEng at the end of Level 2.

For Engineering with an Integrated Foundation Year entry see page 148.

For both BEng and MEng programmes 5 GCSEs or equivalent at Grade C or above, to include English and Maths, are required.

Contact Mrs Petra Gratton me-ug-admissions@brunel.ac.uk +44 (0)1895 266633
Music BA

UCAS Codes

Music BA

W300  3 years Full-time

4.5-6 years Part-time

About the Course

This programme is designed for students who wish to focus on the academic study of music, while retaining the freedom to pursue composition, performance, and music technology. It provides a broad knowledge of the development of Western music through topics such as song, contrapuntal forms, sonata form, the symphony, opera, music-theatre, and film music. This leads to a focussed and in-depth study of the music of the twentieth and twenty-first centuries at Level 3. It introduces important methods of analysis, as well as ideas in aesthetics and the sociology of music. Students will gain skills in writing about music, and are free to take a wide range of practical modules in addition to the core musicology strand.

Brunel has a strong tradition of practical music-making and there are a number of ensembles that you can participate in, including the New Music Ensemble, Jazzbridge, Brunel Vox and New Noise. Our Artists-in-Association are Apartment House, Piano Circus and Leafcutter John.

Facilities include a computer suite fully equipped for sound design and notation, studios for individual work, individual practice rooms and larger spaces for group rehearsals.

Graduates work for companies such as Universal (Decca), the London Sinfonietta and the English National Opera.

Teaching and Learning

The music staff includes some of the country’s leading composers and performers, with teaching and research strengths in composition, performance, musicology and socio-critical musicology. Modules reflect the expertise of staff and focus on technique and interpretation in contemporary music performance, as well as relevant cultural and historical issues.

Teaching is delivered through a mixture of lectures, seminars, workshops and one-to-one tutorials. Assessment methods include coursework, projects, oral presentations, practical work and some written examinations.

Employability

Brunel’s music courses help develop a wide range of vocational, collaborative and transferable skills that are highly attractive to employers. Students have the opportunity, for example, to develop IT ability and...
highly sought-after presentation and communications skills.

Careers
Many of our graduates have either progressed to postgraduate study at a university or conservatoire or have entered the music profession as performers, composers, teachers and technicians. Others have entered arts administration, publishing, the media and management.

Typical Modules
- Musicianship
- Materials of Music
- Musicology
- Sound Recording & Sonic Arts
- Composition
- Performance
- Music and Perception
- Instrumentation and Orchestration
- Conducting and Realisation
- Popular Music Studies
- Stylistic Improvisation
- Free Improvisation
- Jazz and Pop arranging
- Professional Development
- Dissertation

BA Entry Criteria
GCE A-level BBB, including Music.
IB Diploma 32 points, including 5 in Higher level Music.
BTEC Level 3 Extended Diploma DDD in a related subject.

For BTEC Level 3 and A-level combinations see the course web page.

Access to HE Diploma Complete and pass a related subject Access course with 45 credits at Level 3 and 15 credits at Level 2 with Merits in all units.

All candidates without A-level Music at grade B or equivalent or Grade 8 ABRSM, LCMM or Trinity College will be required to pass a brief entrance test, details of which will be provided upon application.

In addition 5 GCSEs or equivalent at Grade C or above, to include English and Maths, are required.
About the Course
This programme is aimed at students who wish to study musical composition to an advanced level. It provides a grounding in the main compositional techniques of the twentieth and twenty-first centuries, and helps you to use this understanding in your original work. There are regular opportunities to hear your work played and you will be free to pursue options in performance, sonic art, and musicology in addition to your core composition modules.

Brunel has a strong tradition of practical music-making and there are a number of ensembles that you can participate in, including the New Music Ensemble, Jazzbridge, Brunel Vox and New Noise. Our Artists-in-Association are Apartment House, Piano Circus and Leafcutter John.

Teaching and Assessment
The music staff includes some of the country’s leading composers and performers, with teaching and research strengths in composition (both acoustic and studio-based), performance, musicology and socio-critical musicology. Teaching is delivered through a mixture of lectures, seminars, workshops and one-to-one tutorials. Assessment methods include coursework, individual and group projects, oral presentations, practical work and some written examinations.
Employability

Brunel’s music courses help develop a wide range of vocational, collaborative and transferable skills that are highly attractive to employers. Students have the opportunity, for example, to develop IT ability and highly sought-after presentation and communications skills.

Careers

Many of our graduates have either progressed to postgraduate study at a university or conservatoire or have entered the

Facilities include a computer suite fully equipped for sound design and notation, studios and practice rooms

music profession as performers, composers, teachers and technicians. Others have entered arts administration, publishing, the media and management. Graduates have gone on to work for prestigious companies such as Universal (Decca), the London Sinfonietta and the English National Opera.

Typical Modules

- Musicianship
- Materials of Music
- Musicology
- Sound Recording & Sonic Arts
- Composition
- Performance

BMus Entry Criteria

GCE A-level BBB, including Music
IB Diploma 32 points, including 5 in Higher level Music.

BTEC Level 3 Extended Diploma DDD in a related subject.

For BTEC Level 3 and A-level combinations see the course web page.

Access to HE Diploma Complete and pass a related subject Access course with 45 credits at Level 3 and 15 credits at Level 2 with Merits in all units.

All candidates without A-level Music at grade B or equivalent or Grade 8 ABRSM, LCMM or Trinity College will be required to pass a brief entrance test, details of which will be provided upon application.

In addition 5 GCSEs or equivalent at Grade C or above, to include English and Maths, are required.
About the Course

This programme is designed for performers on any instrument or voice. It will help you to develop sensitive and imaginative approaches to musical performance, and will help you to inform your performance with an awareness of the historical and social context in which the music was written. Instrumental tuition is provided, and you can choose to pursue composition, musicology, or sonic arts in addition to your core performance modules.

Brunel has a strong tradition of practical music-making and there are a number of ensembles that you can participate in, including the New Music Ensemble, Jazzbridge, Brunel Vox and New Noise. Instrumental tuition is provided, and many options, such as music technology and composition, are available.

Facilities include a computer suite fully equipped for sound design and notation, studios for individual work, individual practice rooms and larger spaces for group rehearsals.

Teaching and Assessment

The music staff includes some of the country’s leading composers and performers, with teaching and research strengths in composition (both acoustic and studio-based), performance, musicology and socio-critical musicology. Modules reflect the expertise of staff and focus on technique and interpretation in contemporary music performance, as well as relevant cultural and historical issues. Teaching is delivered through a mixture of lectures, seminars, workshops and one-to-one tutorials. Assessment methods include coursework, individual and group projects, oral presentations, practical work and some written examinations.
Employability
Brunel's music courses help develop a wide range of vocational, collaborative and transferable skills that are highly attractive to employers. Students have the opportunity, for example, to develop IT ability and highly sought-after presentation and communications skills.

Careers
Many of our graduates have either progressed to postgraduate study at a university or conservatoire or entered the music profession as performers, composers, teachers and technicians. Graduates now work for prestigious companies such as Universal (Decca), the London Sinfonietta and the English National Opera.

Typical Modules
- Musicianship
- Materials of Music
- Musicology
- Sound Recording & Sonic Arts
- Composition
- Performance
- Performance II (Classical or Experimental)
- Performance II (Popular Music or Jazz)
- Music and Perception
- Instrumentation and Orchestration
- Conducting and Realisation
- Popular Music Studies
- Stylistic Improvisation
- Free Improvisation
- Jazz and Pop arranging
- Professional Development
- Performance III (Classical/Experimental or Popular Music/Jazz)
- Special Project

Our Artists-in-Association are Apartment House, Piano Circus and Leafcutter John

BMus Entry Criteria
GCE A-level BBB, including Music.
IB Diploma 32 points, including 5 in Higher level Music.

BTEC Level 3 Extended Diploma DDD in a related subject.
For BTEC Level 3 and A-level combinations see the course web page.
Access to HE Diploma Complete and pass a related subject
Access course with 45 credits at Level 3 and 15 credits at Level 2 with Merits in all units.
All candidates without A-level Music at grade B or equivalent or Grade 8 ABRSM, LCMM or Trinity College will be required to pass a brief entrance test, details of which will be provided upon application.
In addition 5 GCSEs or equivalent at Grade C or above, to include English and Maths, are required.

Contact Colin Riley
music-admissions@brunel.ac.uk
+44 (0)1895 266582
About the Course
This programme is designed for students who wish to extend their understanding of music technology as a creative tool. Starting from a foundation in sound software and hardware and recording techniques, you will progress towards advanced study of sonic arts composition and live interaction. You will also be free to pursue interests in composition, performance, improvisation, and musicology.

For their first year, Sonic Arts students join other music students in a range of studies aimed at establishing a rounded twenty-first century musicianship, including both music technology and a broader perspective on music theory and practice. You should therefore be studying Music at A-level or have a pass at least Grade 5 theory to apply for this programme. If not, we will require you to take our online music admissions test.

Facilities include a computer suite fully equipped for sound design and notation, studios for individual work, individual practice rooms and larger spaces for group rehearsals. There is a vibrant student performance culture on campus comprising several ensembles performing contemporary and classical music, improvisation, jazz, and live electronics. Our Artists-in-Association are Apartment House, Piano Circus and Leafcutter John.

Teaching and Assessment
Teaching is delivered through a mixture of lectures, seminars, workshops and one-to-one tutorials. Assessment methods include coursework, individual and group projects, oral presentations, practical work and some written examinations.

Employability
Brunel’s music courses help you to develop a wide range of vocational, collaborative and transferable skills that are highly attractive to employers. Students have the opportunity, for example, to develop IT ability and highly sought-after presentation and communications skills.

Careers
High proportions of our graduates have either progressed to postgraduate study at a university or conservatoire or have entered the music profession as performers, composers, teachers and technicians. Graduates have gone on to set up their own labels, companies and work for some of the big names in media production in areas such as sound design Foley and composition.

Typical Modules
- Musicianship
- Materials of Music
- Musicology
- Sound Recording & Sonic Arts
- Composition
• Performance
• Music and Perception
• Instrumentation and Orchestration
• Conducting and Realisation
• Popular Music Studies
• Stylistic Improvisation
• Free Improvisation
• Jazz and Pop arranging
• Professional Development
• Special Project

**BA Entry Criteria**

**GCE A-level** BBB, including Music.

**IB Diploma** 32 points, including 5 in Higher level Music.

**BTEC Level 3 Extended Diploma** DDD in a related subject.

For **BTEC Level 3 and A-level** combinations see the course web page.

**Access to HE Diploma** Complete and pass a related subject Access course with 45 credits at Level 3 and 15 credits at Level 2 with Merits in all units.

All candidates without A-level Music at grade B or equivalent or Grade 8 ABRSM, LCMM or Trinity College will be required to pass a brief entrance test, details of which will be provided upon application.

In addition 5 **GCSEs** or equivalent at Grade C or above, to include English and Maths, are required.

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**Sound, art and technology, but not necessarily in that order, the Sonic Arts programme at Brunel is for those wanting a unique and exciting take on music creation.**

Carl Faia
About the Course
As occupational therapists and educators we value human occupation, believing that an individual’s occupational performance is integral to health and quality of life. Viewing people as individuals is central to our philosophy. A client-centred approach facilitates the practical application of this philosophy and recognises the importance of the therapist to enable optimum occupational performance.

The programme aims to prepare students to become competent occupational therapists equipped for lifelong, safe and effective practice in a variety of health and care settings. A BSc Occupational Therapy degree enables graduates to work in many areas: physical rehabilitation, mental health settings, with children in schools or in clinics and with people with learning disabilities, to name a few.

Periods of academic study on campus are interspersed with practice placements. Students can make use of the first-rate facilities and resources in our purpose-built building and across campus. Students will also benefit from our close links with colleagues in the NHS, social services and voluntary organisations through research and practice placements.

Accreditation
The programme is approved by the Health and Care Professions Council and accredited by the College of Occupational Therapists. Graduates are eligible to apply for registration with the Health and Care Professions Council. Graduates may also apply for membership of the British Association/College of Occupational Therapists.

Teaching and Assessment
We use a variety of teaching approaches including lectures, seminars, tutorials, discussion groups, laboratory work, experimental work, practical work with theoretical presentations, case studies, workshops, peer teaching/learning, IT, and experiential learning. A variety of assessment tools are used, including written examinations, essays and reports together with practical presentations and on-line assessments. Students are assessed on each practice placement and must pass these in order to graduate.

Employability
A strong emphasis is placed on development of professional competence and identity. The final year module ‘Professional Practice’ examines the history and context of potential employers such as the National Health Service and local authorities. Topics such as ‘continuing professional development’, ‘preparing for interviews’ and ‘developing a personal statement’
are addressed. Students have the opportunity to develop a variety of transferable skills such as communication, IT, problem-solving and teamwork, and placements and practicals provide the opportunity to practise and develop these skills.

**Careers**

Graduates may practise as an occupational therapist following successful completion of the programme and registration with the Health and Care Professions Council. Many graduates begin their career with a preceptorship, which provides mentoring for the first months as a professional. Our graduates now work in a wide range of health and care settings as practitioners, consultants, managers, lecturers and researchers.

**Placements**

The practice placement provides professional experience in locations such as hospitals, the community, the workplace and the home.

**Typical Modules**

- Knowledge and Skills for Occupational Therapy
- Human Sciences
- Professional Development
- Practice Placements
- Personal and Academic Development
- The Effective Practitioner
- Theory of Occupation
- Occupations for Health and Wellbeing
- Professional Practice
- Continuing Professional Development (CPD)
- Occupational Therapy Provision and Service Development
- Research Methods
- Research in Occupational Therapy

**Entry Criteria**

**GCE A-level** BBB, including Grade B in Biology, Human Biology, Psychology or Sociology (General Studies not accepted).

**IB Diploma** 32 points, including 5 in Higher level Biology, Human Biology or Psychology.

**BTEC Level 3 Extended Diploma** DDD in a health subject.

**Access to HE Diploma** Complete and pass a related subject Access course with 45 credits at Level 3 and 15 credits at Level 2 with Merits in all units.

In addition 5 **GCSEs** or equivalent at Grade C or above, to include English and Maths, are required.

**Disclosure and Barring Service:** All students undertaking this degree will be legally required to undertake a criminal records check with the Disclosure and Barring Service (DBS).

A satisfactory Health Declaration will also be required.

**Mature students:** A high percentage of our intake are mature students, and these applicants are considered on individual merit, relevant work experience and evidence of recent academic achievement. **GCSE** English and Maths at Grade C is required.

[Contact Dr Jenny King](mailto:occupationaltherapy-ft@brunel.ac.uk)  +44 (0)1895 268786
Physiotherapy BSc

About the Course

The Physiotherapy programme at Brunel will prepare you for clinical excellence and professional autonomy. The programme will provide you with a strong scientific foundation, a substantial repertoire of physiotherapeutic skills, and excellent clinical reasoning skills. We will also provide you with the means to critically evaluate the effectiveness of your own treatments and those of others – a skill which is vital to continuing evidence-based practice. A sound working knowledge of research methodology provides you with the basis for this evaluation process and also provides you with the tools to develop your own research interests.

The Mary Seacole Building offers an excellent environment for physiotherapy education and is complemented by the full range of sporting and leisure facilities on campus. The programme is continually reviewed and adapted to reflect current practice and to best prepare the graduate for their role in a changing work place.

Professional Accreditation

Successful completion of the programme will enable you to apply for registration with the Health Care Professions Council (HCPC) and to become a member of the Chartered Society of Physiotherapy (MCSP).

Teaching and Assessment

We use a variety of teaching and learning methods throughout the course including lectures, tutorials, practical sessions, study guides and computer-based learning packages.

A variety of assessment tools are used including written exams, written assignments, practical exams, vivas, literature reviews and a project proposal. Practical modules are likely to be assessed practically while the more theoretical modules may be assessed by unseen exam papers, a viva or a written assignment.

NHS Bursary

All students on the full-time course classified as home students and normally resident in the UK for the four year period immediately prior to starting the programme will normally receive a means-tested NHS bursary and a fees paid place. Students in receipt of an NHS bursary will not normally be required to pay tuition fees or top-up fees.

Employability

Our graduates become clinical specialists and managers or develop a career in clinical research and academia
who are able to function as independent clinicians and fully interactive members of the multidisciplinary health care team.

**Careers**
The physiotherapy team strongly recommends that graduates enter the NHS on qualification. We feel that the organisation of the NHS and the scope of patients who pass through it offer newly-graduated physiotherapists an invaluable learning opportunity and provides a solid clinical foundation on which to base their future career choices.

**Placements**
Our students complete 30 weeks of full time clinical experience in a variety of health-care settings reflective of current practice. There is an opportunity for final year students to participate in an Erasmus exchange programme.

**Typical Modules**
- Anatomy
- Rehabilitation
- Pathophysiology
- Professional Development
- Musculoskeletal – Lower Quadrant and Upper Quadrant
- Respiratory
- Neuromuscularrehabilitation
- Clinical Preparation
- Clinical Placements
- Cardiovascular Health
- Critical Care
- Paediatrics
- Ageing Studies
- Women’s Health
- Oncology and Palliative Care
- Research Methodology
- Research Proposal
- Falls Services
- Mental Health
- Clinical Education

For BTEC Level 3 and A-level combinations see the course web page.

**Entry Criteria**

**GCE A-level** AAB, including Biology or Human Biology and at least one subject from our preferred list at Grade A: Chemistry, Classical Civilisations, Economics, English, Geography, History, Languages, Law, Maths (Further Maths or Statistics), Physical Education, Physics, Politics, Psychology, Sociology, Sport Studies. (General Studies and Critical Thinking not accepted).

**IB Diploma** 35 points, including 5 in Higher level Biology and 6 in Higher level subject listed at A-level preferred list.

**BTEC Level 3 Extended Diploma** D*D*D plus an A-level grade B in Biology or Human Biology.

For BTEC Level 3 and A-level combinations see the course web page.

**Access to HE Diploma** Complete and pass a related subject Access course with 60 credits at level 3 with Distinctions in all graded units. Graded unit topics studied to include modules in cardiovascular, pulmonary, skeletal muscle physiology and basic neurophysiology. Applicants must also be able to offer at least one A-level from above preferred subject list at Grade C.

In addition 6 GCSEs or equivalent at Grade C or above, to include English Language, Maths and two Science subjects, are required.

**Non-standard and mature applicants: GCSE English Language and Maths at Grade C is required.**

Formal offers will only be made following attendance at a selection day.

**Contact**
Pam Shiers
Emma Farquharson

physio.admfts@brunel.ac.uk
+44 (0)1895 268839
About the Course

This course offers exciting opportunities to explore diverse past societies and cultures in the modern period. Through an examination of life as it was lived in the past, you gain knowledge of the workings of human society and learn to understand the connections between present and past events.

History at Brunel offers a stimulating and challenging range of modules that draw directly on the research interests of staff. You will study a variety of historical perspectives (economic, social, political, intellectual and cultural) and be encouraged to develop skills in recovering and interpreting historical evidence, in formulating arguments and in developing your own historical perspectives.

The programme also enables you to develop your powers of independent enquiry, critical analysis and judgement, as well as planning and time management.

Teaching and Assessment

Modules are generally taught by a mixture of lectures and seminars. The bulk of every student’s work, however, will consist of private study. Exact assessment patterns vary, but most are based on a combination of coursework and formal written exams.

Employability

You will develop your communications, report writing and presentation skills to a sound level, equipping you well for your subsequent career. There are also opportunities to gain IT skills and to learn or improve a foreign language.

Careers

A history degree equips you for work as a researcher, teacher or librarian, as well as for careers in the museum and heritage sectors, in NGOs and government agencies, the civil service and the media. In addition, past students have gained employment in a wide range of occupations including company management, business consultancy, and law practice.

Placements

Students on the sandwich course have the opportunity to gain professional work experience with a wide range of external organisations. On placements, students develop invaluable skills and in some cases have been offered graduate positions within the organisations in which they undertook their work placements.

Recent placements included roles in museums, secondary schools and municipal councils.

UCAS Codes

History BA

V100 3 years
V101 4 years

Politics and History BSc

LVG1 3 years
LVF1 4 years

= full-time
= thick-sandwich
Study Abroad
As part of the ERASMUS exchange scheme, students have the opportunity to spend part of their degree at a European university. An exchange opportunity is also offered in China.

Typical Modules

• Revolution, Liberty and the Origins of American Democracy
• What is History?
• Capital Labour and Power: 1707-1939
• History, Memory and Culture in Europe Since 1789
• The Making of the Modern World
• Migration and the Settler World: 1600-1914
• The Birth of Industrial Britain, 1750-1850
• Historians and their Craft
• Total War in the Modern Era
• US Foreign Policy from World War II to the end of the Cold War
• The Holocaust
• Slavery and Abolition in the Atlantic World
• Issues in American Politics
• First World War
• Revolution and the State
• History Dissertation
• The Arab-Israeli Conflict
• Fascism
• The Second World War
• The History and Politics of Heritage
• History, Travel and the Sea
• Rethinking Modern Europe: Borders, Nations and Identities since 1850
• Australia and the Modern World
• Empire, Imperialism, Hegemony
• Media, Politics and Power in America
• Intelligence and National Security
• Naval History
• Globalisation and Governance
• Marx and Marxism
• Monstrosity in Political Thought
• Psychogeography

Entry Criteria

GCE A-level AAB – ABB. Typical offer AAB, including Grade B in History or related subject.

IB Diploma 35 points, including 5 in Higher level History or related subject.

BTEC Level 3 Extended Diploma D*D*D in a related subject.

For BTEC Level 3 and A-level combinations see the course web page.

Access to HE Diploma Complete and pass a related subject Access course with 45 credits at Level 3, of which 30 credits must be at Distinction and 15 credits at Merit or higher.

In addition 5 GCSEs or equivalent at Grade C or above, to include English and Maths, are required.

Contact Dr Martin Hansen sss-enquiries@brunel.ac.uk +44 (0)1895 265952
Politics BSc

International Politics BSc

About the Course
Politics at Brunel is a broad-based degree that offers a grounding in the different approaches and theories as well as options that focus on European, American and international politics, and political change.

International Politics provides a foundation in the approaches to, and theories of, politics and international relations and develops your understanding of relations of power in a globalising, but conflicted world.

Studying Politics enables students to address critical political questions such as 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?

Teaching and Assessment
Modules are taught by a mixture of lectures and seminars. Exact assessment patterns vary, but most are based on a combination of coursework and written exams.

Employability
You will develop your communications, report writing and presentation skills, equipping you well for your subsequent career. There are opportunities to gain essential IT skills and to learn or improve a foreign language.

Careers
Our Politics graduates pursue a wide variety of jobs. Some opt for careers in politics and the civil service, becoming MPs or working in the Foreign and Commonwealth Office or the Home Office. Others have joined GCHQ and military intelligence, or have gone on to work in public and private sector organisations such as the NHS, or international banks.

Study Abroad
As part of the ERASMUS exchange scheme our students have the opportunity to spend part of their degree at a European university. An exchange opportunity is also offered in China.

Placements
Students on the sandwich course have the opportunity to gain professional work experience in a variety of settings. Past students have worked at the Home Office, the Ministry of Justice, the Treasury, Constituency Offices of MPs, and for organisations such as the British Youth Council. In some cases students have been offered graduate positions within the organisations in which they undertook their work placements.

Typical Modules
- Central Themes in Political Thought
- American Politics
- World Politics
- Modern British Politics

Politics and History have thriving student societies which hold regular events, debates and talks by guest speakers.

UCAS Codes
Politics BSc
L200  3 years
L202  4 years  THICK

International Politics BSc
L240  3 years
L241  4 years  THICK

Politics and Economics BSc
LLC2  3 years  THICK
LL12  4 years  THICK

Politics and History BSc
LVG1  3 years  THICK
LVF1  4 years  THICK

Politics and Sociology BSc
LLH2  3 years
LL23  4 years  THICK

= full-time
THICK = thick-sandwich
After university I want to go in to British party politics and elections so the modules complement my career choice

Kerri-Anne Prince

Entry Criteria

GCE A-level AAB – ABB. Typical offer AAB.

IB Diploma 35 points

BTEC Level 3 Extended Diploma D*D*D in a related subject.

For BTEC Level 3 and A-level combinations see the course web page.

Access to HE Diploma Complete and pass a related subject Access course with 45 credits at Level 3, of which 30 credits must be at Distinction and 15 credits at Merit or higher.

In addition 5 GCSEs or equivalent at Grade C or above, to include English and Maths, are required.

Contact Dr Martin Hansen sss-enquiries@brunel.ac.uk +44 (0)1895 265952
About the Course

Psychology is often defined as the study of the mind and a person’s associated behaviours. This course emphasises the real-life significance of psychology by encouraging you to explore the relationship between practical and theoretical aspects of the subject.

Psychologists investigate a diverse range of topics through their research and theories, including the relationship between the brain, behaviour and subjective experience, human development, psychological disorders and their treatment and the ability to acquire, organise, remember and use knowledge.

We have a strong research reputation with particular expertise in areas such as neuropsychology, cognition, evolutionary, social, cross-cultural, developmental and health psychology.

This degree ensures that you gain an understanding of the breadth and diversity of the discipline whilst increasingly allowing you to specialise in areas of your own interest.

Teaching and Assessment

Teaching methods include tutorials, seminars, laboratory classes and lectures. Students are assessed using a range of methods, including coursework assignments, poster presentations, oral and seen and unseen examinations.

Employability

Our students develop a range of transferable skills that are useful in the wider workplace as well as rigorous training in methodologies and research skills appropriate to Psychology. You will acquire skills such as effective communication, the ability to understand and organise information, analyse and use complex data and retrieve and organise information from different sources, effective team work, planning and project management.

Careers

A good BPS accredited degree provides a basis for entering many psychological professions. You may go on to train as a clinical, educational, occupational or forensic psychologist. Other
possible careers include work with adults or children with disabilities, counselling, personnel management, market research and advertising, prison and probation work, speech and language therapy and teaching, as well as psychological research.

**Typical Modules**
- Learning and Social Psychology
- Applied Psychology
- Brain and Cognition
- Statistics
- Research Methods
- Evolutionary Psychology
- Historical and Conceptual Issues
- Advanced Research Methods
- Data Analysis
- Developmental Psychology
- Social Psychology
- Individual Differences
- Biological Psychology
- Cognitive Psychology
- Inter-Group Relations
- Practical Investigations of Mind and Brain
- Autistic Spectrum Disorder
- Mental Illness: History, Concept, Diagnosis and Disorder
- Cognitive Neuroscience of Consciousness
- Drugs, Hormones and the Brain
- Understanding Health
- Cross Cultural Psychology

**Entry Criteria**
- **GCE A-level** AAB – ABB. Typical offer AAB. (General Studies not accepted).
- **IB Diploma** 35 points
- **BTEC Level 3 Extended Diploma** D*D*D in a related subject.

For **BTEC Level 3 and A-level** combinations see the course web page.

**Access to HE Diploma** Complete and pass a related subject Access course with 45 credits at Level 3, of which 30 credits must be at Distinction and 15 credits at Merit or higher.

In addition 5 GCSEs or equivalent at Grade C or above, to include English and Maths, are required.

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**Contact** Dr Andrew Clark  
✉️ sss-enquiries@brunel.ac.uk  
📞 +44 (0)1895 265952

www.brunel.ac.uk/courses  
Check the Web for up-to-date course, entry criteria and fees information
About the Course

This programme aims to enhance the professional nature of social work based on The College of Social Work’s Professional Capabilities Framework and the HCPC Standards of Proficiency. It seeks to positively shape students’ professional identity, developing confidence, self-efficacy and emotional resilience in the social work role. We support students to develop skills of active learning and critical thinking, research mindedness and literacy. The programme focuses on the centrality of relationship-based social work, with a commitment to social justice with practitioners who are able to combat racism, sexism and other forms of discrimination. The programme is organised in partnership with local authorities, private, voluntary and independent agencies, and service users and carers.

The programme derives its aims from the College of Social Work and Health & Care Professions Council’s requirements. It seeks to help students achieve the profession’s standards for Social Workers and the QAA Benchmark Statement for Social Work.

Recent groundbreaking research into comparative social work, community care, child development, and race and social work feed into our taught programmes, making them highly relevant and up-to-date. We have an active research centre, as well as an international reputation for our work in social policy.

You can use our first-rate facilities in the new, multi-million pound Health Studies Centre and will benefit from close links with social service and voluntary organisations. Seminars, tutorials and formal classes are integrated

Camila Batmanghelidjh, founder of Kids Company, is a Brunel Honorary Graduate
with professional practice, and theory is applied through the analysis of social issues.

You will work with client groups in the following fields: children and families, mental health work, older people and illness and disability. You will learn about Social Work methods including therapeutic work with individuals, family work, care management and group work.

Accreditation
On the 1st August 2012, the renamed Health and Care Professions Council became responsible for the statutory regulation of social workers in England. All qualifying programmes, such as at Brunel, which were approved by the GSCC have automatically received transitional approval from the HCPC.

Employability
Feedback from local employers has generally been very positive and reflected in high numbers of students obtaining employment following graduation: 77.3% of those surveyed six months after leaving Brunel in 2012 were working.

Students undertake 170 days of placement. In the first year students undertake 20 days skills development in preparation for direct practice at Level two. Students will work with two different service user and carer groups alongside a variety of organisations which include experience of statutory practice.

Careers
The course aims to produce competent practitioners who are able to work critically and professionally in combating racism, sexism and other forms of discrimination. Graduates work in a wide range of settings both in voluntary and statutory sectors.

Typical Modules
• Introduction to Social Work
• Rights, Ethics and the Law
• Sociology
• Social Policy for Social Work
• Human Behaviour and Development
• Skills Development
• Service Users in a Community Context
• Managing Risk and Complexity
• Assessment, Planning Intervention and Review
• Understanding Evidence in Social Work Practice
• Inter-professional and Inter-agency Collaboration
• Social Research Methods
• Social Work with Children and Families
• Social Work with Adults
• Skills Development
• First and Final Placements

Entry Criteria
GCE A-level BBB, including Grade B in a Social Science subject (General Studies not accepted)
IB Diploma 32 points, including 5 in Higher Level social science subject.
BTEC Level 3 Extended Diploma DDD in a related subject.

For BTEC Level 3 and A-level combinations see the course web page.

Access to HE Diploma Complete and pass a related subject Access course with 45 credits at Level 3 and 15 credits at Level 2 with Merits in all units. Applicants aged 21+ are considered on an individual basis.

In addition 5 GCSEs or equivalent at Grade C or above, to include English and Maths, are required.

Formal offers will only be made following attendance at a selection day.

Disclosure and Barring Service: All students undertaking this degree will be legally required to undertake a criminal records check with the Disclosure and Barring Service (DBS).
Specialist Social Work
(Adults/Children and Families) BA

About the Course
This programme enables social workers to enhance and develop their practice in the overall context of key national occupational standards and the revised specialist standards at the post qualifying level.

The objective of this course is to ensure that post-qualifying education and training improves the standard of social work practice by fully integrating academic and professional learning. We aim to develop well-rounded practitioners, confident about working in inter-professional and inter-agency contexts, who have demonstrated competence in a range of key areas including direct work with service users, families and carers, self-management and the use of supervision and mentoring and practice education.

The programme follows two pathways:
- Adults
- Children and Families

It covers all the units of the National Occupational Standards for Social Work in direct work with users of social care services and carers. It draws on knowledge and understanding of service users’ and carers’ issues to actively contribute to strategies and practice which promote service users’ and carers’ rights and participation, in line with the goals of choice, independence and empowerment.

You will learn to think critically about your own practice in the context of the General Social Care Council codes, including the embedded values and national and international codes of professional ethics and the principles of diversity, equality and social inclusion.

Using theories, models and relevant up-to-date research, you will learn to manage your own work effectively and demonstrate a capacity to plan for, and respond to, change in organisational, inter-organisational and team contexts.

A total of 90 credits is required for the award of the Graduate Certificate in Specialist Social Work. A total of 120 credits is

Study Mode
Specialist Social Work (Adults/Children and Families) BA
2-3 years
= part-time
required for the award of the BA in Specialist Social Work.

**Teaching and Assessment**

You will be taught using a variety of methods including lectures, seminars, role-play, video, case discussions, practice, tutorials, eLearning, supervision and personal study.

Assessment methods include a critical career review, a case study, practice assessments and a research project.

**Employability**

The aim of the programme is to develop confident professionals who can reflect on their developing skills, raising the standards of practice. Many students feel that the course has increased their confidence and enabled them to move to the next level as senior practitioners and, subsequently, as managers.

**Typical Modules**

**Adults Pathway**

- Critical Perspectives on Assessment and Direct Work with Adults
- Safeguarding Vulnerable Adults, Critical Decisions in Work with Adults: Law, Policy and Practice
- Working Together to Promote Independence, Well Being and Choice: Critical Perspectives on Multi-agency Working
- Assessment of Specialist Practice
- Enabling The Learning and Assessment of Others
- Research Project

**Children and Families Pathway**

- Critical Perspectives on Direct Work with Vulnerable Children, Young People and Families
- Safeguarding Children, Critical Decisions in Child Care: Law, Policy and Practice
- Working Together to Safeguard Children: Critical Perspectives in Multi-agency working
- Assessment of Specialist Practice
- Enabling The Learning and Assessment of Others
- Research Project

**Entry Criteria**

- Recognised Social Work qualification (CSS, CQSW or DipSW) with a minimum of 240 credits or equivalent
- Current employment in direct practice as a social worker and registration with the General Social Care Council

Candidates must provide satisfactory evidence that they are:

- suitable for post-qualification education
- able to work directly with service users including those from different backgrounds, of different ages, and with different needs
- likely to benefit from the programme
- capable of meeting the assessment requirements

All candidates must be nominated and supported by their employing agency, which will undertake to provide support and appropriate learning opportunities.

Applicants with other qualifications and experience will be considered on an individual basis.

APL (Accreditation of Prior Learning) will be applied to credits gained on social work qualification courses, and will be considered on an individual basis for those who have already completed parts of the previous Post Qualifying Award in Social Work.

The University will apply a maximum to the number of credits for which APL will be granted. Successful applicants will not be permitted to register for the BA programme until they have gained the credits for the appropriate Consolidation module as Associate students, or have satisfied APL requirements for this module.

Applications are directly to Brunel University from the course pages.
About the Course

You will learn, both theoretically and via hands-on experience, how the communication and information media work. It is impossible to avoid communications media in today’s world and precisely because the media are so central to our existence, we tend to take them for granted and underestimate or ignore their social and cultural impact.

The aim of this course is 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.

This course enjoys a close relationship with Sociology at Brunel, and particular attention is paid to the social and cultural dimensions of the media, especially the social and cultural consequences of new technologies of communication and information.

This is a broad-based degree which offers you the opportunity to specialise in areas of particular interest as well as the chance to gain experience in video editing and production. You will be encouraged to link the theoretical and practical components of the course as you engage in a broad-ranging sociological study of contemporary media.

Teaching and Assessment

The course is taught through a mixture of lectures, seminars, tutorials, laboratories and small group projects. You will receive one-to-one supervision for your final year project.

Methods of assessment vary. Some courses are assessed on coursework only, some by seen or unseen examination only, and some by a combination of the two. Coursework may include written assignments and presentations.

Employability

Students will develop transferable skills that are useful in the workplace across a wide range of careers, such as research.

You will have access to video recording equipment and industry-standard AVID video editing suites.
skills, critical thinking, broad commercial and cultural awareness of the media and creative industries, a flexible and creative approach to tasks, independent and team working. Rigorous training is provided in methodologies and research skills.

**Careers**
You can enter a wide variety of careers ranging from public relations and corporate communications to research and production work for video and television companies. Recent graduates now work in events and production co-ordination and research.

**Placements**
Students on our sandwich course have the opportunity to gain professional work experience in a variety of settings. Past placements have included work in TV, film and video production, advertising, the music business, local radio and public relations.

**Typical Modules**
- Media Studies
- Film Production
- Media, Culture and Society
- Social and Cultural Research
- Social Enquiry
- Individual and Social Processes
- Media Genres and Society
- Research in Practice
- Global Communication
- Understanding Audiences
- The Age of New Media
- City Lives and Urban Spaces
- Comedy, Culture and the Media
- Sociology of Health and Illness
- Body, Media and Society
- Forensic Science and Society
- Popular Culture

**Entry Criteria**
GCE A-level BBB
IB Diploma 32 points
BTEC Level 3 Extended Diploma DDD in a related subject.
For BTEC Level 3 and A-level combinations see the course web page.

**Access to HE Diploma**
Complete and pass a related subject Access course with 45 credits at Level 3 and 15 credits at Level 2 with Merits in all units.
In addition 5 GCSEs or equivalent at Grade C or above, to include English and Maths, are required.

Contact Dr Sarita Malik

ss-enquiries@brunel.ac.uk

+44 (0)1895 265952
About the Course

This degree is designed for those with a keen interest in all aspects of human behaviour and society and is concerned with developing theories that explain the changing nature of social behaviour in our own and other societies.

You will develop specific skills in the practical methods associated with sociology and will explore in depth the major issues and approaches within this and related disciplines.

A central theme of Sociology at Brunel is the study of the development of social change and transformation. Specific interests of Brunel sociologists include the public sphere, social theory, celebrity culture, the influence of the media, urban spaces, crime and addiction, multiculturalism and comedy cultures.

This is a broad-based degree which enables you to specialise in areas which particularly fascinate you, such as health and illness, deviance, social theory, the media and culture, race and ethnicity, and the sociology of urban spaces.

Teaching and Assessment

The course is taught through a mixture of lectures, seminars, tutorials, small group projects and practicals. You will get one-to-one supervision for your final year dissertation. Courses are assessed using a combination of coursework and seen or unseen examination.

Employability

We aim to produce graduates who have a number of transferable skills including a solid training in the skills, methods and perspectives relevant to thinking critically about contemporary social processes, an ability to relate the discipline of sociology to real world concerns to facilitate and enhance critical social practice and grounding in understanding information and communications technologies and processes. Knowledge and understanding of statistics and research skills are particularly useful.

Careers

Sociologists are in increasing demand in many sectors such as social welfare and policy, local government and administration, medicine, education, research, and industry. There are also openings in business, particularly marketing and advertising, management, media, and recruitment. Sociology graduates can be found in a diverse range of careers, including consultancy, lobbying, teaching, campaigning and fundraising to name just a few.

Placements

Students on our sandwich degree course benefit from our excellent links with external organisations. Past placements have included work in schools, advice centres, TV, film and video production, advertising, the music business, local radio and public relations.

Typical Modules

- Introduction to Sociology
- Globalisation
- Social and Cultural Research
- Media, Culture and Society
- Social Enquiry
- Popular Culture
• Classical Anthropological Theory
• Social Divisions
• Issues in Contemporary Culture
• Research in Practice
• Media Genres and Society
• City Lives and Urban Cultures
• Comedy, Culture and the Media
• Body, Media and Society
• Forensic Science and Society
• Ethnicity, Culture and Identity
• Sociology of Health and Illness
• Crime, Deviance and Addiction

• Science, Technology and Society
• Understanding Audiences
• The Age of New Media
• Popular Culture
• Ethnography of a Selected Region

Entry Criteria
GCE A-level BBB
IB Diploma 32 points
BTEC Level 3 Extended Diploma DDD in a related subject.

For BTEC Level 3 and A-level combinations see the course web page.

Access to HE Diploma Complete and pass a related subject Access course with 45 credits at Level 3 and 15 credits at Level 2 with Merits in all units.

In addition 5 GCSEs or equivalent at Grade C or above, to include English and Maths, are required.

Contact Dr Sarita Malik
ss-enquiries@brunel.ac.uk +44 (0)1895 265952

The endless opportunities alongside friendly and knowledgeable lectures made my experience at Brunel a positive one

Chereece Whyte
About the course

Our courses encourage you to explore current issues related to sport, health and exercise sciences and to examine the relationship between theory and practice. You can follow a specialisation or continue to follow the broad, multidisciplinary route.

The Coaching pathway explores pedagogy, coaching theories and techniques, effective coaching principles, understanding the performer, skill acquisition and motor learning. It also includes sport-based practical sessions.

The Human Performance pathway allows you to study anatomy, physiology, biomechanics, sport psychology, and professional practice and includes laboratory-based practical sessions.

The Sport Development pathway covers sport and event management, sport development, sociological theory, sport policy, international perspectives, and sociology and the media.

Placements

All courses are offered with the option of a Placement Year to give you an opportunity to apply knowledge of theory.
to real-life situations. Recent placements include Chelsea FC, West Ham FC, County Councils and Streetgames.

Employability
Our courses provide a range of opportunities for students to enhance their employment prospects such as summer placements, modules in coaching and physical education, careers fairs, internships, Local Authority summer camps, volunteering and more.

Careers
We prepare you for a range of careers in sport-related jobs such as coaching, consultancy, fitness testing and training, higher education and research, sport development, sport management, teaching and youth work. Graduates have found positions with the UK and regional Sports Councils, national governing bodies for sport, international organisations, sports clothing companies, professional sport clubs and local authorities.

Typical Study Blocks
- Fundamentals of sport, health and exercise sciences
- Physical activity, health and wellbeing
- Social sciences of sport
- Physical education and sport pedagogy
- Physical activity and health in the Lifecourse
- Applied sport and exercise physiology
- Biomechanics of human movement
- Applying Sport Sciences to practice: Coaching effectiveness
- Socio-political and economic context of sport
- Sport and social justice
- Delivery of sports development
- Physical literacy and performance
- Pedagogy and policy
- Issues in physical activity, health and wellbeing
- Physiology of the high-performance athlete
- Biomechanical analysis techniques
- Professional practice based learning
- Applying Sport Science to practice: Training principles
- International perspectives of sports development
- Sporting cultures
- Sporting communications
- Physical literacy
- Physical education and sport pedagogy

Entry Criteria
GCE A-level ABB, including a science (Biology, Chemistry, Maths, Physics), Sociology, Psychology or PE.

IB Diploma 33 points, including 5 in Higher level subject listed at A-level.

BTEC Level 3 Extended Diploma D*DD in a related subject.

For BTEC Level 3 and A-level combinations see the course web page.

Access to HE Diploma Complete and pass a related subject Access course with 45 credits at Level 3, of which 30 credits must be at Distinction and 15 credits at Merit or higher. Applicants also need to demonstrate that they have substantial and relevant experience at a high level.

In addition 5 GCSEs or equivalent at Grade C or above, to include English, Maths and double or triple Science, are required.

Contact Julie Garner
sse-ugcourses@brunel.ac.uk
+44 (0)1895 266471

Our high teaching standards are matched by lecturers’ friendliness and approachability. Our new programmes meet the needs of not only our students but employers too.

Dr Daniel Bishop
About the Course

This programme is designed for those who aspire to work in today's vibrant and diverse theatre industry. The degree is taught in the purpose-built Antonin Artaud Performance Centre which houses a fully equipped main theatre and studio theatre as well as a suite of rehearsal and recording studios.

The course will give you knowledge of concepts and models used in the practice and study of theatre, the theoretical debates arising from theatre as a live medium, its heritage and history, the creative significance of theatre production and the marketing of theatre performance. You will be offered a range of opportunities to develop the practical skills needed to execute an artistic production process using one or more of the core skills of writing, directing, acting, devising, applied drama or digital practice.

You will prepare for work in the creative industries, education or for further research by developing skills including leadership, self and group management, initiative, personal responsibility and communication. You will work independently and with others and will deploy the skills necessary to produce a theatre performance and/or an applied drama project.

Teaching and Assessment

Each student will work closely with a personal tutor. Teaching environments include lectures, seminars, individual tutorials, workshops, practical classes, master classes, rehearsals, screenings and theatre visits, work placement and public performance.

A range of practical assessment methods will be used. All written submissions require clear, well-evidenced argumentation. Practice-based classes and projects require you to engage with creative processes while keeping a critical and analytical perspective on your work.

Employability

As well as the Placement and Professional Development module, we offer creative industries-focused events. You will gain experience of planning and managing projects from scratch to delivery in front of an audience, managing a production budget, liaising with external organisations, using initiative, designing for specific audiences and working in the community.

Careers

Potential graduate destinations include creative positions within the theatre industry, management and administrative positions within the creative industries, community based careers in applied drama practice, educational work either in schools or in the growing number of education departments attached to theatres, and postgraduate study.
Placements
The team has well-established links with theatre venues and companies to help find the right work placement for you. As well as gaining valuable experience of a professional environment you will be given opportunities to plan your future and gain the tools necessary to feel confident when applying for jobs and internships. Recent examples of work placements include working as a puppeteer, script reader and assistant stage management.

Typical Modules
- Perspectives: Performance Analysis
- Histories
- Ensemble Production
- Acting: Essential Skills
- Applied Drama Practice: an Introduction
- Devising: Filling the Empty Space
- Digital Performance
- Directing
- Playwriting
- Acting: Beyond Naturalism
- Applied Drama Practice: Project
- Devising: Dramaturgy and Adaptation
- Musical Theatre
- Advanced Musical Theatre
- Bodies in Performance
- The Canon Reloaded
- Placement and Professional Development
- Performance and Embodiment
- Written Dissertation
- Independent Study
- Final Production (Practical Dissertation)

Entry Criteria
GCE A-level: ABB – BBB. Typical offer ABB including Theatre Studies, Drama or Performing Arts.

IB Diploma: 33 points, including 5 in Higher level Theatre related subject.

BTEC Level 3 Extended Diploma: D*DD in a related subject.

For BTEC Level 3 and A-level combinations see the course web page.

Access to HE Diploma: Complete and pass a related subject. Access course with 45 credits at Level 3, of which 30 credits must be at Distinction and 15 credits at Merit or higher.

In addition 5 GCSEs or equivalent at Grade C or above, to include English and Maths, are required.

Auditions or interviews will be offered to all suitable applicants.

Contact Dr Broderick Chow
broderick.chow@brunel.ac.uk
+44 (0)1895 265493

The combination of lectures, practical modules and rehearsal time makes for a very interesting mix!

Danaelle Cambrook

www.brunel.ac.uk/courses
Check the Web for up-to-date course, entry criteria and fees information
About the Course

If you have studied subjects such as arts, humanities or human sciences, this foundation year will help you switch to engineering and technology. Alternatively, you may need to build on existing qualifications in order to be accepted for an engineering degree.

You will take modules from a range of subjects relevant to the area you want to enter, together with study skills, individual and group project work and practical techniques.

On successful completion of the year, you may progress to the first year (Level 1) of your chosen Brunel engineering degree programme. Progression is dependent upon satisfactory achievement of the required grades for your chosen course.

Project work

There will be two one week project breaks. You will gain practical knowledge of control systems, designing models, analysing design and calculating various physical parameters.

Typical Modules

- Mathematics
- Physics
- Engineering Science
- Materials Science
- Communications, Projects and Electronic Engineering

Teaching and Assessment

As well as lectures and seminars, you will learn through hands-on practical experience. Theoretical subjects such as Maths, Physics and Engineering Science are mainly assessed by exam. Skills-based subjects such as Engineering Projects and Communications are assessed by coursework, presentations and lab reports.

Careers

Graduates with degrees for which this Foundation year acts as a first step are always in high demand. Students who went on to successfully complete our MEng/BEng programmes now work for companies including Rolls-Royce, GE Energy, Airbus and Monarch Airlines.

Entry Criteria

GCE A-level

CCD, including Maths or Physics or BCC without Maths or Physics (General Studies and Critical Thinking not accepted).

IB Diploma

27 points, including Higher Level Maths or Physics or 29 Points without Higher Level Maths or Physics.

BTEC Level 3 Extended Diploma

DDM in an Engineering related subject.

For BTEC Level 3 and A-level combinations see the course web page.

Advanced Diploma Progression Diploma Grade C in Engineering, plus the Specialist Unit in Maths for Engineers at Grade C along with 1 AS-level at Grade B for Additional and Specialist Learning.

Access to HE Diploma Complete and pass Access to Engineering, Computing or Science course with 45 credits at Level 3 and with Merit or higher in all units.

In addition 5 GCSEs or equivalent at Grade C or above, to include English and Maths, are required.
About the Course
This course provides an introduction to a variety of disciplines in Information Systems and Mathematics. The programme enables those who originally chose another career route to switch to a diverse range of careers that require a strong background in computing or mathematics. It is also an opportunity for mature students to return to study.

Once you have successfully completed the Foundation Year, you progress to Level 1 of one of the linked degree courses:

- Computer Science
- Computer Systems Engineering
- Financial Mathematics
- Business Computing
- Mathematics
- Mathematics and Statistics with Management
- Mathematics with Computer Science

Typical Modules
- Study Skills
- Discrete and Decision Mathematics
- Mathematical Methods
- Introduction to Computers and Programming
- Statistics
- Teaching and Assessment

Teaching methods include lectures, tutorials and computer workshops. You will be assessed by examination and coursework, including short tests and project work.

Careers
People who have good technical or scientific qualifications, as well as imagination, enthusiasm, communication and organisational skills, are always in great demand. A wide variety of interesting and well-paid career opportunities are available.

Entry Criteria
GCE A-level CDD, preferably including Maths and Physics.
IB Diploma 27 points
BTEC Level 3 Extended Diploma DMM in a related subject.

For BTEC Level 3 and A-level combinations see the course web page.

Access to HE Diploma Complete and pass Access to Engineering, Computing or Science course with 45 credits at Level 3 and with Merit or higher in all units.

In addition 5 GCSEs or equivalent at Grade C or above, to include English and Maths, are required.

UCAS Codes
Information Systems, Computing and Mathematics with an Integrated Foundation Year
G504 5 years

Contact Dr D Roman
maths.admissions@brunel.ac.uk
+44 (0)1895 265180

www.brunel.ac.uk/courses
Check the Web for up-to-date course, entry criteria and fees information