Open Days

OPEN DAY:
Wednesday 22 January 2014
2pm – 5pm

OPEN EVENING:
Wednesday 28 May 2014
4.30pm – 7.30pm

Please book online by clicking the Open Days button on the Brunel home page

www.brunel.ac.uk

ADMISSIONS AND COURSE ENQUIRIES

www.brunel.ac.uk/contact-admissions
www.brunel.ac.uk/courses/admissions
+44 (0)1895 265599
(Course Enquiries before applying)
+44 (0)1895 265265
(Admissions Office after applying)

HOW TO APPLY

You will find a link to an online application form on every Web course page:

www.brunel.ac.uk/courses/pg

More information on how to apply for research degrees:

www.brunel.ac.uk/courses/admissions/how-to-apply-for-pg-courses

WEBINARS

www.brunel.ac.uk/international/choose-brunel/webchat

SUMMARY OF TERMS

All applicants and potential applicants are encouraged to read the Summary of Terms on page 132.
# Contents

Open Days .............................................. 2  
Welcome to Brunel ............................... 4  
Campus life ............................................ 5  
World class research .............................. 6  
Quality programmes ............................. 7  
Innovative courses ................................. 7  
Excellent employment prospects ......... 8  
Careers and employability support ...... 9  
Working while you study ...................... 9  
The Graduate School ............................. 10  
Brunel International .............................. 12  
Study resources ...................................... 14  
The Library ............................................. 14  
Computer Centre and Media Services .. 15  
Assistive Technology Centre ................. 15  
Accommodation .................................... 17  
Support, health and wellbeing .......... 19  
Disability and Dyslexia Service .......... 20  
Arts and culture ..................................... 22  
Sport ....................................................... 23  
Taught courses information ............... 24  
Research degrees information .......... 26  
Professional doctorates information ... 28  
Fees and funding ................................... 30  

**Taught courses by subject area .......... 35**  
**Research degrees by subject area ...... 95**

Summary of Terms ................................. 132  
Visiting Brunel ..................................... 136  
Campus map ......................................... 140  
Index ..................................................... 142
Welcome to Brunel

Brunel was founded in 1966 as a new kind of university dedicated to providing research and teaching that are relevant to the needs of industry and society.

Our mission is to combine academic rigour with the practical, entrepreneurial and imaginative approach pioneered by our namesake, Isambard Kingdom Brunel.

Campus-based, so everything you need is in one place

Quality courses relevant to industry and society

Skills training and professional development sessions

Research that provides solutions to worldwide problems
Campus life

Located in Uxbridge on the outskirts of London, Brunel is one of the very few campus-based universities within the M25.

- All the essentials are available on campus, including accommodation, a bank, medical centre, pharmacy, shop and gym
- A number of study spaces are open 24/7
- There’s a regular market including fruit and veg stalls, fresh fish, eggs, sweets, books and more
- There are many catering outlets, including Subway and Proud to Serve Costa
- Whether you fancy a game of pool or a chat over coffee, there are plenty of places in which to catch up with friends and unwind

THE LOCAL AREA

Brunel is in Uxbridge on the edge of West London. Uxbridge town centre is just a 20 minute walk or short bus ride from campus, and has more than 300 shops, a multiplex cinema, dozens of bars and restaurants.

THE COUNTRYSIDE ON YOUR DOORSTEP

One of Brunel’s best-kept secrets is its proximity to the Grand Union Canal and to part of the Colne Valley Park, only a 15-minute walk away.

EASY ACCESS TO CENTRAL LONDON

Uxbridge is served by the Metropolitan and Piccadilly lines on the London Underground. You can also get a train into Paddington from West Drayton (a short bus ride from campus) or catch a bus into Ealing or Shepherd’s Bush.

TRAVEL

Brunel is six miles from Heathrow – but not under its flight paths – and a couple of miles from the M4, M40 and M25. Our traffic-free campus is in a quiet location, served by excellent bus services.

MODERN CAMPUS FACILITIES

We continue to invest in buildings and infrastructure, with new and refurbished social, teaching and sporting facilities, halls of residence and green spaces. Our latest acquisition is the Eastern Gateway Building which provides teaching and research facilities, an auditorium, café and art gallery.
World class research

- We are proud of the usefulness of our research. It improves lives and addresses global issues, while at the same time informing the content of the courses we teach.
- High quality academics are the core of any university and our profile has transformed quite dramatically in recent years as more internationally renowned researchers continue to join Brunel.
- Brunel has enjoyed unprecedented success in gaining European funding under the FP7 framework and other EU funding schemes.
- The last Research Assessment Exercise (RAE) judged 82% of Brunel University’s research to be of international standing.
- Brunel cultivates collaborative partnerships with industry, the public and private sectors, business and government, both in the UK and overseas.

Brunel was awarded £15 million from the Higher Education Funding Council for England as part of a new £60 million initiative to establish a National Research Centre for Structural Integrity. Brunel’s lead co-partner for the new Centre is the technology engineering research and consultancy organisation TWI Ltd.

Professor Clare Williams is leading research with the London and Brighton Transnational Ethics Centre (LABTEC), funded by a Wellcome Trust Biomedical Strategic Award of £835,000, focusing on key developments in human embryonic stem cell research and neuroscience.

The Fiction and the Cultural Mediation of Ageing project, funded by the Economic and Social Research Council, used Mass Observation diary techniques and Volunteer Reader Groups to produce a report on ageing and society published by Demos. The findings were presented to national, regional and local government and third sector stakeholders to inform current policy development.

Sociologist Dr Sarita Malik is collaborating with the British Film Institute (BFI) to explore the ways in which film shapes audience ideas and values about community. The project, ‘Diasporic Film in Communities’, is funded by the Arts and Humanities Research Council.
Quality programmes

The University receives consistently positive evaluations from a range of quality assessment and accrediting agencies:

- OfSTED rated our PGCert Primary course ‘excellent’ (page 58)
- The Brunel MBA is one of a distinguished minority of programmes to be accredited by the Association of MBAs (page 47)
- The MSc Global Supply Chain Management enjoys accreditation from the Chartered Institute of Purchasing and Supply (CIPS) and the Chartered Institute of Logistics and Transport (CILT) (page 45)
- Brunel offers the first Journalism MA in London to gain NCTJ accreditation (page 71)
- The Institution of Mechanical Engineers and the Institution of Engineering and Technology accredits many of the School of Engineering and Design’s courses
- The Energy Institute and the Chartered Institution of Building Services Engineering accredit our MSc degrees
- The Institution of Engineering Designers accredits a number of design-related programmes (page 54)

Innovative courses

Brunel refines and updates its courses to keep the content fresh and relevant. Below are a few highlights:

- The Ageing Studies MSc has been developed to meet the emerging needs of health care professionals to develop skills and expertise to enable those dealing with elderly people to operate more effectively (page 68)
- The Business Systems Integration (with SAP Technology) MSc reflects the needs of modern organisations, with hands-on experience of SAP R/3, Business Warehouse and Netweaver (page 51)
- The MA in Contemporary Performance Making aims to provide a bridge between academia and the professional world (page 93)
- The Hand Therapy MSc is the first of its kind in the UK and attracts occupational therapists and physiotherapists (page 80)
- The MSc in Anthropology of International Development and Humanitarian Assistance provides training for students who seek employment with NGOs and international agencies (page 38)
- The International Security MSc combines rigorous academic study with a practical simulation module on civil-military cooperation, preparing individuals for careers in civilian and military organisations engaged in contemporary security and crisis management (page 83)
Excellent employment prospects

We integrate work skills and experience into our courses. Whether you are embarking on a programme of professional development, acquiring new knowledge or aiming to get one step ahead in a competitive job market, you will be encouraged to develop your portfolio during your time with us.

- In 2012, 87.2% of our postgraduates were in employment or further study six months after graduation
- 85.8% of employed postgraduates were working in senior managerial, professional or technical occupations with others pursuing yet higher qualifications in the research field
- 15.5% of postgraduates were top earners with salaries in excess of £30,000 and 90.2% reported salaries of £20,000 or more

Brunel graduates have gone on to be Heads of Design, Brand, Marketing and Global User Experience for major companies including Virgin Atlantic, Virgin Media, Nokia and Intercontinental Hotels Group. They lead prestigious industries such as Lotus Engineering and hold senior positions in Formula One teams like Williams and McLaren Mercedes.

Six graduates are MPs whilst many others are household names in the performance and media industries, alongside a distinguished list of Olympic, Paralympic, World and Commonwealth champions in a range of sports.
Careers and employability support

The University has an award winning Placement and Careers Centre that can provide high-quality guidance and information. It offers:

- career exploration and planning
- practical support at all stages of the recruitment process
- events and activities such as CV preparation and recruitment fairs
- an extensive careers library and online service with specialist resources for postgraduate students

www.brunel.ac.uk/pcc

Working while you study

The Job Shop can help you find part-time work both on and off campus, with specific roles for postgraduate students. The opportunities available include administration, research assistant roles, and jobs in IT and technical support. These roles not only provide financial support, but also add to your skills and experience. Many offer flexible working hours enabling you to find working solutions that fit with your timetable. International students should seek individual immigration advice for working rights in the UK.

www.brunel.ac.uk/jobshop

Emma Osejindu
BIOLOGY PhD

I did my PhD studies in biology and biochemistry. Working whilst studying worked well for me. I was able to focus on my studies and work on campus for a couple of evenings during the week. I enjoyed the benefit of working on campus because I was close to my School and my employers (Alumni and Development) understood my need for flexibility as a student. I earned an income which gave me the independence that I needed and gained valuable communication skills which are transferable to a range of professions.

“
The Graduate School

The Graduate School provides skills training sessions and dedicated study and social facilities for all postgraduates.

You will have 24-hour access to:
- a quiet study room
- a common room with laptop plug-in points
- Internet kiosks
- a fully equipped kitchen
- a bookable conference room with AV facilities
- storage locker hire
- a laptop loan scheme
- the Postgraduate Study Centre with PCs, laptop plug-in points, printers and a lounge area

TRAINING FOR MASTER’S STUDENTS

The Graduate School provides training, guidance and resources to support the development of Master’s students, including Master’s Dissertation Week – a week of seminars and workshops in collaboration with the Academic Skills Service, supporting Master’s students in every aspect of researching, planning and writing a successful dissertation.

TRAINING FOR DOCTORAL RESEARCH STUDENTS

The Researcher Development Programme incorporates sessions that satisfy the National Researcher Development Framework (RDF), which describes the knowledge, competencies and attributes of a highly skilled researcher, encouraging researchers to engage in continued personal, professional and career development. This includes the annual Researcher Development Series:

- **Researcher Development Series 1: New Researcher Induction** Network with current students and find out about the practicalities of doing a PhD
- **Researcher Development Series 2: Intermediate Researcher Development** Reflect on your progress and gather knowledge in areas such as referencing and attending conferences
- **Researcher Development Series 3: Advanced Researcher Development** Prepare to successfully face your viva and plan for the future
RESEARCH SKILLS ONLINE

Research Skills Online is a series of short courses ideal for Master’s students, PhD students and postdoctoral researchers. Developed with input from 15 UK university experts, these virtual courses contain reading materials, videos and interactive activities in areas such as entrepreneurship, research methods, intellectual property and project management.

OTHER OPPORTUNITIES AND EVENTS

The Graduate School organises special events such as weekly coffee mornings, monthly researcher teas, and the annual Research Student Poster Conference, where you are invited to make a poster and present your work alongside students from other subject areas.

VICE-CHANCELLOR’S PRIZES FOR POSTGRADUATE RESEARCH

These prizes reward exceptional academic performance:

- **Vice-Chancellor’s Prizes for Doctoral Research** Five prizes of £500 each awarded on the basis of research excellence
- **The Vice-Chancellor’s Travel Prizes** 25 awards of £500 each to support attendance at either a national or international conference
- **The Vice-Chancellor’s Research Poster Prize** £500 each to five research students who create and present the best posters at the annual Research Poster Conference
- **Research Conference Prizes** are organised by departments and are supported by the Graduate School. Criteria and awards vary.
Brunel International

We host over 1,000 postgraduate students from 110 countries and provide support to international students from application to graduation.

- The Marketing Office provides advice and guidance on studying at Brunel, including detailed information about courses. Staff regularly travel overseas to attend education exhibitions, give presentations and conduct interviews with prospective students.
- The International Student Services Centre provides pre-arrival information, an airport meeting service, orientation programmes and support throughout your time at Brunel.
- The International Pathways and Language Centre offers English Language, Pre-Master’s courses before and during your course. It also provides a range of modern foreign language courses.
- The Immigration Office runs a batch scheme for current students to renew their student visas through Brunel, as well as offering general visa advice.

HOW TO APPLY

All postgraduate applicants should apply online by using the link on the selected course page on the Brunel website or via the research page:

- [www.brunel.ac.uk/courses](http://www.brunel.ac.uk/courses)
- [www.brunel.ac.uk/research/research-degrees-at-brunel/research-programmes-online-applications](http://www.brunel.ac.uk/research/research-degrees-at-brunel/research-programmes-online-applications)

See the Web for further information about admissions criteria for your particular country:

- [www.brunel.ac.uk/international/information-by-country](http://www.brunel.ac.uk/international/information-by-country)
ENGLISH LANGUAGE REQUIREMENTS
The University recognises a range of qualifications. Find out more:

www.brunel.ac.uk/international/iplc/languagerequirements

If your level of English does not meet the entry requirements for your particular course, you will be offered the chance to attend an English language course run by our International Pathways and Language Centre.

ENGLISH LANGUAGE COURSES
The International Pathways and Language Centre (IPLC) offers courses to increase your knowledge of and confidence in English and prepare you for academic success:

• English@Brunel is available throughout the academic year
• Pre-sessional English is available through the summer
• Bespoke programmes – short-term courses for groups – are also available

Find out more:

www.brunel.ac.uk/international/iplc/english-language-courses

IN-SESSIONAL ENGLISH FOR ACADEMIC PURPOSES
The IPLC provides classes for international students in academic writing, seminar and presentation skills, academic reading skills, listening and discussion skills, English pronunciation, and grammar. International students can also make appointments for individual consultations.

PRE-MASTER’S COURSES
The IPLC offers a Pre-Master’s course in Engineering and Design (IIPED) for students who:

• have marginally missed the English entry standards or would like subject-focused English language study for taught Master’s programmes in Engineering and Design
• have been out of education for some time and would like to refresh their academic skills prior to starting their taught Master’s course

Find out more:

iplc@brunel.ac.uk
+44 (0)1895 265519

Find out about other Pre-Master’s programmes at Brunel by our associate pathway college, LIBT:

www.libt.navitas.com
applications-libt@brunel.ac.uk
+44(0)1895 265540

MODERN FOREIGN LANGUAGES
The IPLC offers classes for Brunel students in Arabic, Japanese, Russian, Polish, Portuguese, Mandarin Chinese, French, German, Italian and Spanish. These classes are available at a variety of levels and are taught by qualified, native speakers. They provide a stimulating atmosphere in which to learn and practise foreign language skills including speaking, listening, reading and writing. Register for a language module online:

www.brunel.ac.uk/international/current-students/foreign-languages

ACCOMMODATION
A substantial amount of on-campus accommodation is reserved for full-time postgraduates (see page 16).

FEES
You will have to pay different fees as an overseas student. Please see page 30.

FURTHER INFORMATION

www.brunel.ac.uk/international
course-enquiries@brunel.ac.uk
Study resources

The Library

The Library, located at the centre of campus, brings together key services, facilities and information resources.

RESEARCH FACILITIES

- Over 420,000 print books and 150,000 eBooks, over 36,000 electronic journal titles, 110 databases, newspapers and DVDs
- Generous loan and renewal allowances for printed resources
- A rapid inter-library loan service, which can supply materials on request from other libraries
- Agreements with other university and national libraries to provide our researchers with reference access to collections

STUDY FACILITIES

- 24-hour opening Monday to Friday during term-time
- Bookable group study rooms, 1,200 single study spaces and around 500 PCs, with some areas exclusively for use by postgraduates and researchers
- A 24/7 Postgraduate Study Room for out of hours access to networked PCs and electronic Library resources
- The Research Commons, home of the Library’s Special Collections and an area for private study for research students
- A laptop loan service
- Multimedia facilities – photographic, video, audio and filming – that support teaching and research
- Assistive technology facilities for disabled and dyslexic students

ACADEMIC SUPPORT

You will have access to one-to-one support from Subject Liaison Librarians and Academic Skills Advisors to help you find the information you need and to exploit it effectively.

Library staff, working with academics and the Graduate School, run workshops on a wide range of topics including planning your literature review, managing references to avoid plagiarism, copyright issues for researchers and preparing presentations.
BRUNEL UNIVERSITY RESEARCH ARCHIVE

The Library manages Brunel University’s Research Archive (BURA), a repository of Brunel’s research outputs from journal articles to PhD theses. Once you have successfully completed your research, you will, in most instances, be able to see your final thesis archived in BURA.

www.brunel.ac.uk/library

Computer Centre and Media Services

When you register as a student at Brunel, you will be given a username that lasts for the duration of your course. This will give you access to many of our facilities including:

- PC workstations across campus, many of which are open around the clock
- an email account for all your University correspondence
- a file store allocation where you can keep your work securely
- a prepay print, scan and copy service (including colour and A3)
- the University’s virtual learning environment and online Library databases
- Connect services, so you can connect your devices to the University network
- the Brunel intranet, which provides University news, course information and access to student support
- an audiovisual and media equipment loan service

www.brunel.ac.uk/life/study/computer-centre

Assistive Technology Centre

The Assistive Technology Centre provides a range of specialist software and hardware to support disabled students, and runs a loan scheme of key equipment such as digital recorders and assistive listening devices. See page 20 for more information.
Accommodation

- Guaranteed accommodation for all new, full-time postgraduates who have confirmed their acceptance and met the conditions for a course by 1 September
- All halls are on campus, meaning you are never more than 10 minutes away from the study, social and sporting facilities
- Most rooms are en suite, but you can choose our standard halls to suit your budget
- Heating, lighting, water and basic insurance are included in your rent
- Rooms are single, with some studio flats available for co-habiting couples
- All rooms offer a free network connection with wireless access, through which you can access the Internet at no extra cost (with some limitations and subject to the Computer Centre’s Terms and Conditions)
- Specially adapted rooms are available for students with disabilities – for more information, see page 20
- All halls are self-catering, with well-equipped kitchens, and there are many food outlets across campus
- Residences Student Mentors are employed by the University to support and advise new resident students

RENT FOR 2013 (CHECK THE WEB FOR 2014 RATES NEARER THE TIME)

- En suite rooms £125.02 per week
- Standard rooms £98.00 per week
- Studio flats in the Isambard Complex £186.97 per week (available to co-habiting couples only)

WHAT IF I WANT TO LIVE OFF-CAMPUS?

Brunel Student Homes can give help and advice about renting in the private sector, and there are various options available depending on your requirements.

For those who are looking to live with other students, there is a notice board in the Brunel Student Homes office where you can place adverts for rooms available or rooms wanted. Landlords also advertise rooms on the Brunel Student Homes website.

Average rents for the area are within the region of £85 to £100 per week for a room.

More information about living off campus:

🔗 www.brunel.ac.uk/studenthomes
Support, health and wellbeing

Support and advice are freely available to students to help you manage academic, financial, employment-related, administrative, legal, pastoral and accommodation issues.

STUDENT ADMINISTRATIVE ENQUIRIES

The Student Centre provides advice and support throughout your time at Brunel. Advisors help with a variety of administrative enquiries including enrolment, fees and funding, module selection, graduation and student ID cards.

EXTERNAL AND LEGAL ISSUES

The Advice and Representation Centre (ARC) offers independent advice and representation on issues such as housing, employment and finance. It is free, confidential and holds the Community Legal Service Quality Mark.

MEDICAL CARE

Our on-site NHS Medical Centre can be used by all students who register with the practice. It is open throughout the year, with a walk-in surgery each weekday during term-time.

COUNSELLING

Counselling is free to all Brunel students, and we offer emotional and personal support for any issue. Appointments and drop-ins are available all year round. The service is confidential unless someone is at risk of serious harm. There is also a helpline. The core team is professionally qualified, working in accordance with the British Association for Counselling and Psychotherapy Ethical Framework and the Brunel University Counselling Service Code of Practice.

THE MEETING HOUSE

The Meeting House is a pastoral, spiritual and community resource for all at Brunel. It is a dedicated space where you can enjoy the Quiet Room or relax with tea in the lounge – all for free! The team can offer a listening ear, advice and spiritual support. Chaplains from the Christian, Muslim, and Hindu faiths are available. Student groups use the Meeting House for worship, meetings and social activities. You don’t need to make an appointment – simply drop in.
Disability and Dyslexia Service

Brunel offers a range of services and resources to help you make the most of your degree. The campus and facilities are recognised as some of the best in the country for disabled students.

HOW CAN WE HELP?

We offer advice and support to disabled students, including those with dyslexia and other specific learning difficulties, mental health conditions, Asperger syndrome, mobility and sensory impairments and unseen disabilities such as epilepsy, diabetes, arthritis and sickle cell anaemia.

A wealth of specialist resources, knowledge and practical support is available, including:

- a team of Disability and Dyslexia Advisors
- an Assistive Technology Centre (ATC) providing specialist technology, training and equipment
- help with applying for Disabled Students’ Allowances
- screenings and diagnostic assessments for specific learning difficulties
- equipment loans
- provision of note takers, study skills tutors, mentors and other support workers
- exam adjustments and extended library loans
- adjustments to on-campus accommodation such as fully automated access for wheelchair users, deaf alert systems, and accommodation for personal carers
- on-site needs assessments and IT training at the West London Assessment Centre (WLAC)

Support is organised in negotiation with each student to ensure that individual needs are considered and met. The service is confidential and details are only passed on with each student’s consent to ensure necessary support.

Find out more, meet us or have a tour:

- +44 (0)1895 265213
- disability@brunel.ac.uk
- www.brunel.ac.uk/disability
DISABLED STUDENTS’ ALLOWANCES (DSA)

Disabled Students’ Allowances (DSA) can help to pay the extra costs a student may have on their course as a result of a disability, mental health condition or specific learning difficulty (such as dyslexia). For more information please visit:

- www.gov.uk/disabled-students-allowances-dsas

WEST LONDON ASSESSMENT CENTRE (WLAC)

The WLAC is a fully accredited, purpose-built assessment centre and can be used by students attending any university who are eligible for Disabled Students’ Allowances (DSA). The WLAC provides the needs assessments required by students claiming DSA. These allowances can fund assistive technology, support workers such as study skills tutors, note takers, mentors and BSL communicators as well as many other forms of support. The WLAC can also provide IT training in the use of any assistive technology provided.

To find out more or to arrange a needs assessment, please contact:

- +44 (0)1895 266704
- assessmentcentre@brunel.ac.uk
- www.brunel.ac.uk/wlac
Arts and culture

THE ARTS CENTRE
The Arts Centre organises weekly classes, events, exhibitions, concerts and productions throughout the year, and provides the space, tuition and specialist equipment required for your creative skills to flourish. Find out more about the Arts Centre:

www.brunel.ac.uk/artscentre

MUSIC AWARDS
Music Awards are made annually towards the cost of tuition for singers and instrumentalists who are not taking music performance as part of their academic course. The awards are open to all students, with auditions at the beginning of each academic year. For more information:

artscentre@brunel.ac.uk

THE BELDAM GALLERY
The Beldam Gallery hosts a diverse programme of temporary exhibitions showing a wide range of contemporary art and craft including painting, drawing, sculpture, photography, installation, live art, performance, film, video and sound art.

EVENTS
ARTS@ARTAUD is a regular performance platform where musicians, filmmakers, writers, performers and designers present their work in a friendly, informal setting. With refreshments available and a DJ between acts, it really is a great evening of entertainment.

Throughout the year the University organises many cultural activities and festivities. Many are free to attend and there is often the chance to get involved:

- Public Lecture Series
- Inaugural Lecture Series
- Guest speaker events
- FACE (Festival of Awareness, Creativity and Expression)
- One World Week
Sport

Brunel’s Sports Federation has over 50 clubs for students to choose from. Many teams compete in the BUCS (British Universities and Colleges Sport) premier leagues.

The sports facilities used by the clubs rank amongst the best in the UK and are used by some of the best athletes in the world, including Usain Bolt.

PERFORMANCE SPORT

Brunel has launched Performance Programmes in a number of key sports, including athletics, netball, rugby union, rowing, and squash to give members access to elite strength and conditioning facilities as well as extra coaching and fitness sessions.

SPORTS SCHOLARSHIPS

The Sports Scholarship scheme offers a financial award and assistance with competition expenses, accommodation allocated next to the sports facilities if you choose to live on campus, mentoring support to help you manage your commitments and free use of the sports facilities.

For further information please email details of your sporting performances and the course to which you are applying to:

✉️ sports-scholarships@brunel.ac.uk

FROM MAINSTREAM TO THE EXTREME

We offer a diverse range of sports and activities including:

- American football
- Cheerleading
- Rock climbing
- Snowboarding

ACTIVE BRUNEL

Active Brunel is a programme of relaxed, informal sessions. It is great value so just turn up and give it a go. Activities include:

- Gym sessions
- Handball
- Trampolining
- Self defence

MORE ENERGY GYM

Brunel’s health and fitness facilities are packed with equipment and qualified instructors are on hand to give advice. There is a range of flexible membership options.
Taught courses

• LLM Master of Law
• MA Master of Arts
• MBA Master of Business Administration
• MRes Master of Research
• MSc Master of Science

Brunel offers over 100 taught Master’s courses. If you register for and complete only part of the Master’s programme, you may be eligible for the award of a Postgraduate Certificate or Postgraduate Diploma. We also offer Master’s of Research (MRes), which offers thorough training in research theory, skills and practice.

More detailed information is available in Senate Regulation 3.

www.brunel.ac.uk/about/administration/university-rules-and-regulations/senate-regulations

MODE AND STRUCTURE

Most Master’s courses are available on a full-time or part-time basis. Some may also be studied by distance learning, which means you undertake most of your study away from the University. More flexible modes of study are available in some areas – you should check with your department on the arrangements for your particular course.

Full-time programmes last approximately one year, beginning at the end of September (although a few courses begin in January). Part-time courses last a minimum of two years and usually involve attendance on one day a week, though some may differ.

Master’s courses are made up of modules worth a set number of credits. Usually you can expect to take the taught modules during the first two-thirds of your course and move on to the dissertation for the latter part. You may find, though, that there is some overlap.

You can expect some lectures, seminars and small-group teaching. Students in technology- or science-based disciplines will have some laboratory-based and practical components.
ASSOCIATE STUDENT SCHEME

If you want to experience a taste of postgraduate study, or follow up an interest without committing yourself to a Master’s degree, the Associate Student Scheme could be for you. You can choose from over 100 modules on offer each year, and study alongside full- and part-time students. If you decide to register formally for a Master’s degree or intermediate award at a later date, you can take forward whatever credits you have accumulated.

DISSERTATION

You must complete a written dissertation, usually between 10,000 and 15,000 words. The title of your dissertation is usually agreed between you and your supervisor and will relate to your chosen course of study, but you can also draw on your work experience.

The dissertation represents a detailed piece of research carried out by the student who, although supervised by a member of the academic staff, will be expected to work independently and to demonstrate sufficient mastery of the chosen topic and an appropriate ability in the organisation and presentation of the material.

ENTRY REQUIREMENTS

Applicants will normally be expected to hold a first degree from a UK university (or recognised equivalent UK or overseas qualification). Candidates with other qualifications such as extensive relevant work experience or professional qualifications will be considered on an individual basis. An appropriate level of English language competence is also expected. For more details, see:

www.brunel.ac.uk/international/iplc/english-language-courses

Guidelines are given under each course entry.

DISCLOSURE AND BARRING SERVICE (DBS)

Students on courses that involve regulated activity with children and/or vulnerable adults are currently legally required to complete an Enhanced Disclosure and Barring Service application. This costs £51.86 at the time of going to press, but is subject to change. The University will send you more information on this as part of your admissions process.

For further information, please email:

DBS@brunel.ac.uk

Access the latest information on the Home Office website:

www.homeoffice.gov.uk/crime/vetting-barring-scheme

HOW TO APPLY

You will find the online application form for your chosen programme and mode of study on the relevant course page on the Web. For further information on how to apply online, see:

www.brunel.ac.uk/courses/pg/how-to-apply

Applications will not normally be accepted after 1 September. The applicant may be required to attend an interview before a decision on the application is made.

Applications for teacher training PGCert courses and the MA in Social Work should be made online via UCAS:

www.ucas.com
Research degrees

- MPhil Master of Philosophy
- LLM Master of Law by Research
- EdD Doctor of Education
- NRPhD New Route PhD
- DrPH Doctor of Public Health
- PhD Doctor of Philosophy

Brunel has a range of research programmes that cater for a diverse spectrum of interests.

Read the relevant sections of this prospectus to check whether Brunel is working in a field in which you are interested.

DURATION OF PROGRAMME

A full-time doctoral programme usually takes three years and the part-time version is normally four years. An MPhil is usually one to two years. The New Route PhD and EdD are four years full-time.

PROGRAMME STRUCTURE

The work of research students is less tied to the termly structure than that of taught course students and you may commence your work at the start of any month (though you should check that this is the case in your chosen subject). You are expected to study for around 44 weeks each year.

You will carry out an approved research project leading, if you attain a suitable standard, to the presentation of a full thesis. You will be supervised by two members of academic staff working in your specialist area. You will have regular meetings with your supervisors to discuss your progress and to receive guidance.

There may be opportunities for research students to undertake teaching or demonstration work.

ASSESSMENT OF PROGRESS

Students must produce, annually, a formal report of their progress for discussion with their supervisors and other members of academic staff. A record of these discussions is submitted to the University Registry. After successful completion of a research project, the student presents a thesis for examination and, if this is judged satisfactory, a research degree (MPhil or Doctorate) may be awarded.
THESIS

In the thesis, a student must meet the criteria set out in Senate Regulation 5, the Quality Audit Agency’s National Qualification Framework, and University regulations, including demonstrating a sound knowledge and critical appreciation of his or her discipline. The thesis for the award of PhD, EdD and DrPH (though not MPhil) must also make a distinct and original contribution to knowledge in that discipline.

It may take the form of a wholly written dissertation or one that comprises original, creative work supported by a written commentary indicating how the creative work fulfils, or contributes towards, the requirements for the award. It will vary in length according to the discipline being researched and degree for which it is submitted. Submissions involving creative work should include a means of storage, access or retrieval of work.

The major part of the thesis must have been completed during the student’s period of registration with the University, under supervision arrangements approved by the University. The thesis is normally presented at a viva voce examination. A candidate may present a less substantial piece of work for the award of an MPhil.

Additional guidance on the standard of awards is given in the Quality Audit Agency’s National Qualifications Framework at www.qaa.ac.uk, and in Senate Regulation 5.

HOW TO APPLY

When you make an application, you will need to identify the subject area or research institute in which you wish to conduct your research. It is thus a good idea to familiarise yourself with the research that is conducted at Brunel and decide where your own research would best fit.

You may also want to ensure that there are potential supervisors within the University with the appropriate interests and expertise to supervise your work:

- [www.brunel.ac.uk/research/profiles](http://www.brunel.ac.uk/research/profiles)

If you have identified a potential research supervisor at Brunel, it can be useful to contact them informally prior to making your application. They may be able to give more specific advice for your own discipline and some may be willing to comment on a draft research proposal.

Further information on how to apply and the information that you need to include can be found at:

- [www.brunel.ac.uk/research/research-degrees-at-brunel/how-to-apply](http://www.brunel.ac.uk/research/research-degrees-at-brunel/how-to-apply)

You can apply online for most courses.

- [www.brunel.ac.uk/research/research-degrees-at-brunel/research-programmes-online-applications](http://www.brunel.ac.uk/research/research-degrees-at-brunel/research-programmes-online-applications)

TRANSFERS

In certain circumstances Senate may agree to transfer a student registered at another university to registration for the appropriate degree at this University.

ENTRY REQUIREMENTS

Applicants will normally be expected to hold a good first degree or a Master’s degree and show evidence of competence in the English language if this is not the student’s first language. An applicant with certain alternative qualifications may be registered for the degree of PhD subject to confirmation. Candidates not meeting the normal entry requirements above may be considered for registration for the degree of MPhil. It is quite common for students to be registered initially for an MPhil and to then have their status as a PhD student confirmed after successful completion of the first year. Senate reserves the right to assess the eligibility of applicants on an individual basis.
Professional doctorates

Brunel is one of the leading providers in the country of profession-oriented doctoral programmes. We offer the prestigious New Route PhD in a range of subjects, plus specialist doctorates in Public Health (page 115) and Education (page 108).

New Route PhD with Integrated Postgraduate Diploma

Brunel is one of a number of English universities selected to offer this prestigious type of PhD programme supported by UK national research, quality and funding agencies. The programme is designed not only to educate graduates to the high academic standards expected from a PhD, but to provide advanced training in generic and discipline-specific skills. Extending the usual PhD from three to four years, the programme ensures you develop a range of skills and knowledge that broadens and deepens your subject expertise beyond the bounds of the usual research degree.

For the New Route PhD and DrPH programmes, the taught elements normally commence in September.

ENQUIRIES

Doctoral Programmes Manager, Brunel Graduate School

+44 (0)1895 265347
newroutephd@brunel.ac.uk
www.brunel.ac.uk/newroutephd

FEES

Fees are currently £8,250 for home/EU students and between £16,000 - £20,000 for overseas students.

ACCOMMODATION

All New Route PhD students are guaranteed a place in University accommodation in their first year. See page 16.
### NEW ROUTE PhD TAUGHT PROGRAMME AND ASSESSMENT STRUCTURE

<table>
<thead>
<tr>
<th>Module Code</th>
<th>Title</th>
<th>Credits</th>
<th>Study Year(s)</th>
<th>Assessment Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>GS5525</td>
<td>Theory and Practice in Research</td>
<td>15</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>GS5527/31</td>
<td>Research Design and Analysis/Research Techniques and Analysis</td>
<td>30</td>
<td>1-2</td>
<td>2</td>
</tr>
<tr>
<td>GS5530</td>
<td>Research Management, Leadership and Personal Development</td>
<td>15</td>
<td>1-4</td>
<td>3</td>
</tr>
<tr>
<td>GS5528</td>
<td>Academic Research Dissemination</td>
<td>15</td>
<td>1-3</td>
<td>3</td>
</tr>
<tr>
<td>GS5529</td>
<td>Knowledge Exchange and Research Impact</td>
<td>15</td>
<td>2-3</td>
<td>3</td>
</tr>
<tr>
<td>GS5526</td>
<td>Guided Study OR Discipline-specific modules</td>
<td>30</td>
<td>By end of Year 2</td>
<td>Years 1,2 (or both)</td>
</tr>
</tbody>
</table>

**Total Credits**: 120

Advanced Manufacturing and Enterprise Engineering ................................ page 97
Biosciences ........................................................................................................ page 101
Business and Management ................................................................. page 102
Design ............................................................................................................. page 106
Economics and Finance ................................................................. page 107
Education ........................................................................................................ page 108
Electronic and Computer Engineering ............................................. page 109
Human Sciences ....................................................................................... page 126, 99, 128
Information Systems and Computing ........................................... page 104
Mathematical Sciences ........................................................................ page 120
Mechanical Engineering ..................................................................... page 121
Fees and funding

The most up-to-date fee information can be found at:

www.brunel.ac.uk/courses/pg/postgraduate-fees

Fees for taught courses

Fees can be found on our web pages:

www.brunel.ac.uk/courses/course-finder

Most fees range from £6,250-9,000 for home/EU students and from £13,000-16,000 for overseas students.

FULL-TIME Fee applies for one year

PART-TIME Fees are usually half of the corresponding full-time fees, and apply in each of the first two years of study

DISTANCE LEARNING Fee applies for the whole course, or per module

ASSOCIATE Fee is per module

Fees for research degrees

Home/EU fees for 2014 will be the same as the RCUK (Research Council) fee. In 2013 this was £3,900 per annum full-time. The part-time fee is 65% of the full-time fee. Overseas students will pay between £13,000-16,000.

The fee for the New Route PhD for Home/EU students is £8,250 for 2014. Overseas students will pay between £16,000-20,000 depending on subject area.

FULL-TIME Fee normally applies for one year for an MPhil or each of three years for a PhD (including DrPH).

PART-TIME Fee normally applies for each of two years for an MPhil or up to eight years for a PhD.

NEW ROUTE PHD Fee applies for each of four years.

All students will be charged an administration fee of £1,145 for an additional year of writing up.

RESEARCH EXAM FEES

- MPhil/LLM by Research/DrPH £250
- PhD £280
- Higher Doctorates £895
All students

Some subjects attract additional charges for materials or equipment costs. Please see Council Ordinance 10:

www.brunel.ac.uk/about/administration/university-rules-and-regulations/council-ordinances/10

PAYING FEES

Fees are due at registration and then each October. Research students whose effective date of registration is after the beginning of the academic year are invoiced pro rata for the remainder of the academic year.

International students are required to pay a non-refundable deposit of £3,000 at the time of being made an unconditional offer of a place. £250 is required from Home and EU applicants.

UK/EU RESIDENT STATUS

UK national students and nationals of a European Union country who have been ordinarily resident in the EU for the three years prior to admission are normally eligible to pay the lower rate of fees.

Students who have not been ordinarily resident in the UK for three years prior to 31 August of their year of entry will probably find that they are not eligible to pay the lower rate. Please contact the Admissions Office once you have made an application if you are unsure whether you are a Home or Overseas student for fees purposes.

ISLANDS APPLICANTS

Different rates apply for students sponsored by the Channel Islands or Isle of Man. See the web for more info.

EQUIVALENT OR LOWER QUALIFICATIONS (ELQS)

Home/EU students who already have a qualification at a level higher than or equal to that for which they are applying may be subject to different fees.

www.brunel.ac.uk/courses/elqs
Brunel funding

**BRUNEL GRADUATE DISCOUNT**

Brunel graduates benefit from a **15%** fee reduction when registering for a postgraduate taught course or research programme at Brunel, and a further **15%** off taught course fees if they have a first class undergraduate degree.

[www.brunel.ac.uk/courses/pg/funding](http://www.brunel.ac.uk/courses/pg/funding)

**PROMPT PAYMENT DISCOUNT**

Students who pay their own fees receive a **2%** discount on their net tuition fee when they pay the full amount at or before the scheduled date of registration.

[www.brunel.ac.uk/courses/pg/funding](http://www.brunel.ac.uk/courses/pg/funding)

**ACADEMIC EXCELLENCE SCHOLARSHIPS**

Brunel offers **15%** off fees for PGT courses for anyone who has obtained a first class undergraduate degree from a UK University, either based in the UK or abroad.

[www.brunel.ac.uk/courses/pg/funding/scholarships-bursaries](http://www.brunel.ac.uk/courses/pg/funding/scholarships-bursaries)

**RESEARCH SCHOLARSHIPS**

A small number of awards may be available but numbers vary. Check with your subject area for more information:

[www.brunel.ac.uk/schools](http://www.brunel.ac.uk/schools)

**PHD STUDENTSHPES**

These may consist of a cash scholarship, payment of your tuition fees, or a wage for teaching. Contact your subject area for more information:

[www.brunel.ac.uk/schools](http://www.brunel.ac.uk/schools)
MA DRAMA SCHOLARSHIPS
A number of part-scholarships of £1,500 are available for the Contemporary Performance Making MA. Details will be emailed to candidates who have confirmed their place.

WATER CONSERVATION TRUST BURSARIES
The Worshipful Company of Water Conservators offers a tuition fee bursary of £4,000 for students hoping to study an MSc in the Institute for the Environment. They also offer one £4,000 tuition fee bursary for the Civil Engineering Water Engineering MSc.

MUSIC AWARDS
These are awarded to singers and instrumentalists who are not studying music performance as part of their academic course. Students may have all or part of the cost of their music tuition covered while studying at Brunel. Apply once you receive an offer.

SPORTS SCHOLARSHIP PROGRAMME
This includes a financial award, assistance with competition expenses, accommodation next to the sports facilities, mentoring support and free use of sports facilities.

www.brunel.ac.uk/courses/postgraduate/contemporary-performance-making-ma

www.brunel.ac.uk/services/artscentre

sports-scholarships@brunel.ac.uk
External funding

If you are not eligible for Brunel funding, or if the award is insufficient to cover both fees and living costs, you may need to research other sources of funding:

GOVERNMENT RESEARCH COUNCILS

🌐 www.rcuk.ac.uk

STATE FUNDING

🌐 www.gov.uk

CHARITIES, TRUSTS AND FOUNDATIONS

🌐 www.scholarship-search.org.uk
🌐 www.prospects.ac.uk

KNOWLEDGE TRANSFER PARTNERSHIPS

🌐 www.ktponline.org.uk/graduateopportunities

PROFESSIONAL AND CAREER DEVELOPMENT LOANS

🌐 www.brunel.ac.uk/courses/pg/funding/other-financial-support

THE ACCESS TO LEARNING FUND

🌐 www.gov.uk/access-to-learning-fund

DISABLED STUDENTS ALLOWANCES

✉️ disability@brunel.ac.uk

ACADEMIC PRIZES

🌐 www.brunel.ac.uk/courses/pg/funding/academic-prizes

Self-funding

🌐 www.brunel.ac.uk/jobshop