

UNIVERSITY OF BIRMINGHAM



Postgraduate Prospectus
2013 admissions

**THERE IS MORE.
LOOK DEEPER.**
see page 6



AN INSPIRATIONAL
ACADEMIC EXPERIENCE
AT A LEADING GLOBAL
UNIVERSITY



WHAT DOES THIS MEAN FOR YOU?

Pushing the boundaries of knowledge for an elite academic experience

Our range of research is one of the widest in the UK. It has powered our University for over 100 years, won Nobel Prizes and made an impact on the region, the nation and the world. This track record of research excellence means we can offer you a world-class experience, studying and working alongside academics who are global experts and leaders in their field. We belong to the prestigious Russell Group of research-intensive UK universities, and have longstanding partnerships with leading companies and other academic institutions throughout the world, ensuring that you have access to the very latest theoretical and applied knowledge in your chosen subject area.

Outstanding opportunities that prepare you for success

You have access to a wealth of opportunities that will transform your thinking, widen your horizons and ensure you have the skills you need to succeed in the employment market. You can gain a global perspective by visiting one of our international partner universities, or boost your understanding of business through events such as our Postgraduate Summer School and Careers Series. We offer a wide range of training and development courses, opportunities to teach or volunteer and have strong links with companies – all of which help you acquire the transferable skills that employers are looking for. Whether you choose a taught programme or undertake a research degree, you'll be well rewarded by improved career prospects and accelerated progress once you start work.

A unique learning environment in a global city

As one of the most popular universities for postgraduate study in the UK, Birmingham has a vibrant and lively academic community. You cannot fail to be inspired by our campus, which is rich in heritage and beauty, set in a leafy green site with a wealth of amenities and attractions. Our world-class facilities are continually being improved and developed, with an investment of around £1 million a week. You will study on the doorstep of Birmingham, one of Europe's most dynamic and culturally diverse cities.

Welcome from the Vice-Chancellor

AT THE UNIVERSITY OF BIRMINGHAM WE OFFER AN ELITE EDUCATION AND AN INSPIRATIONAL LEARNING AND RESEARCH ENVIRONMENT. AS POSTGRADUATE STUDENTS OR DOCTORAL RESEARCHERS WE VALUE YOUR ROLE AS PART OF OUR ACADEMIC COMMUNITY AND WE ARE CONSTANTLY STRIVING TO DEVELOP AND FURTHER ENHANCE THE SERVICES, FACILITIES, AND OPPORTUNITIES AVAILABLE TO YOU.



We understand the sophisticated academic support requirements of our postgraduate students. The University Graduate School provides the best possible research and education environment – dedicated postgraduate study rooms provide space for you to work, while events and training programmes support your personal and professional development. We ensure that our teaching, learning, and research support is first class, enabling you to fulfil your potential. We share your ambitions for the future, and want to ensure that your time at Birmingham secures your future success whether your career lies in academia, in business, in public service or in the professions.

At Birmingham our research record speaks for itself. The most recent UK Research Assessment Exercise (RAE) rated 90% of our research activity as 'world leading' or 'internationally excellent'. During the 2011–2012 academic year academics at the University of Birmingham attracted £145 million of new research awards, our most successful year ever. This is a remarkable 80% year-on-year increase from the research councils, a doubling of research grants from government departments and a trebling of awards from overseas organisations and companies. But our ambition means that we cannot afford to rest on our laurels: we continue to appoint outstanding new academic talent in a wide range of disciplines, we are investing in substantial new research programmes, we are building new national and international research collaborations,

and we have recently launched the Birmingham Fellowships programme, a high-profile initiative to attract the brightest post-doctoral minds from across the globe.

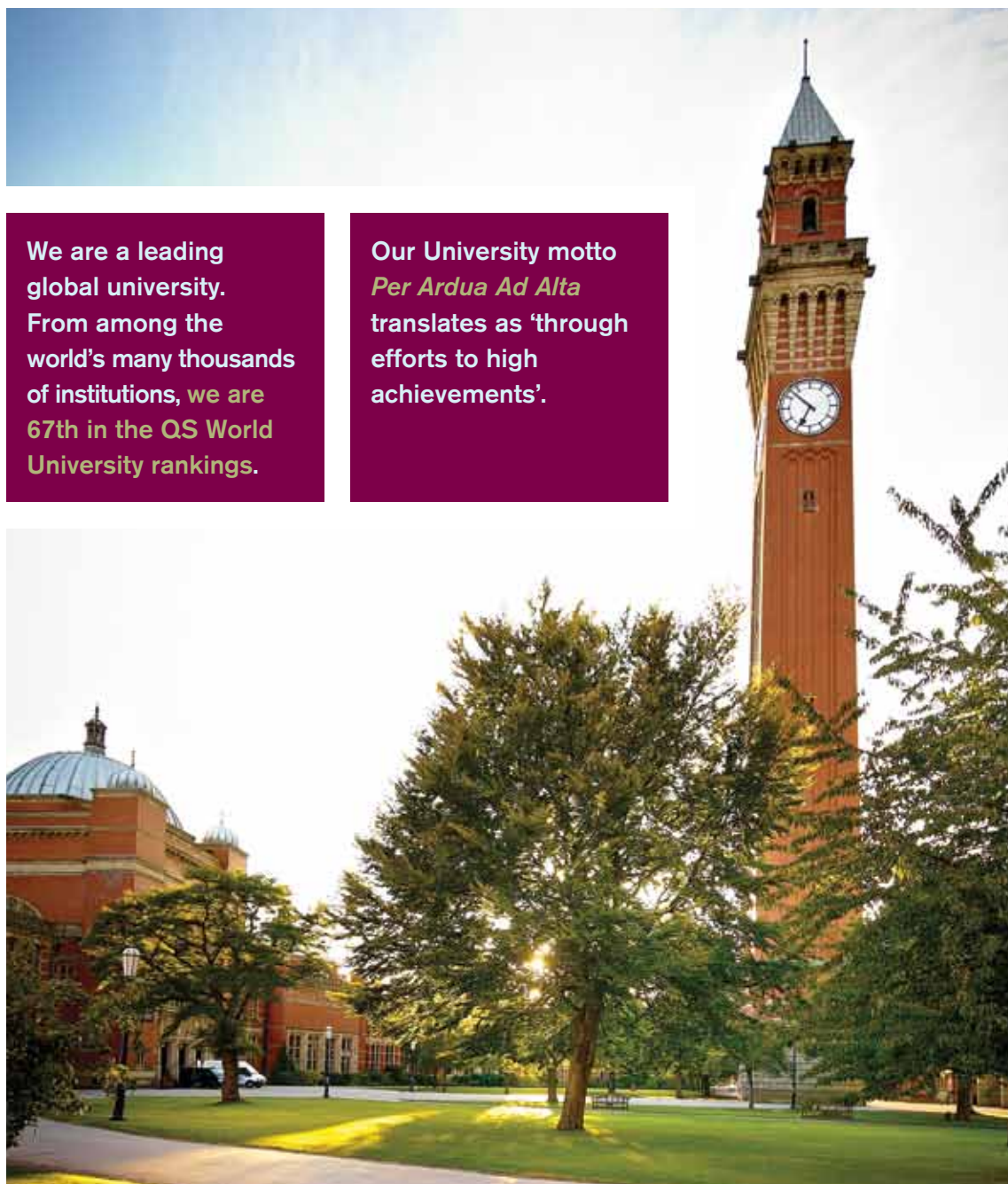
Our representative offices and staff in India (Delhi), China (Beijing, Shanghai and Guangzhou) the United States (Chicago) and Brussels in mainland Europe, as well as our membership of the U21 global network, ensures that the University is well connected and measures success against international standards.

At Birmingham you will benefit from the experience of over a century of academic success, the UK's most beautiful campus, an academic reputation for innovative research focused on the world's greatest challenges, and a proven record of ensuring our students receive a high-quality education. What makes Birmingham stand out today is our commitment to and investment in even greater success in our second century, and the impact that our graduates and research will make around the world.

Professor David Eastwood
Vice-Chancellor

We are a leading global university. From among the world's many thousands of institutions, **we are 67th in the QS World University rankings.**

Our University motto *Per Ardua Ad Alta* translates as 'through efforts to high achievements'.





LOOK DEEPER

In this prospectus we've used **cutting-edge technology** so you can **hear directly from our students** about what it's like to live and study at Birmingham:

If you've got an iPhone or iPad, **download our free Look Deeper app and scan over the image wherever you see the icon** (above), and watch our students talk about their experiences. Try it on the front cover and watch our campus come to life.

For other smartphones, look out for QR codes to take you to videos of our students – or watch them all on our YouTube channel at bit.ly/lookdeeper



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push the boundaries of knowledge

I am working with an experienced team in a challenging environment.

The doctoral research I am undertaking enables me to get involved in various fields within the medical area, to study the complex process of human ageing from different perspectives. As my PhD project is funded by the EU and has been developed in collaboration with several European laboratories, I am also fortunate enough to meet with other researchers from the other European countries working on similar projects. The first meeting was held in Munich and gave me the opportunity to present and discuss my data with the other students. This PhD will improve my CV and hopefully increase my future job opportunities.

Alessandra

Doctoral Researcher in Medical and Dental Sciences



Why Birmingham?

POSTGRADUATE STUDY IS A SIGNIFICANT COMMITMENT AND YOU NEED TO BE SURE THAT YOUR CHOSEN UNIVERSITY OFFERS A HIGH-QUALITY ACADEMIC EXPERIENCE IN AN ENVIRONMENT WHERE YOU CAN DEVELOP AND PROSPER.

With over 13,000 postgraduate students at Birmingham, we are one of the most popular universities for postgraduate study in the UK. Our extensive academic portfolio offers over 350 taught postgraduate programmes and a wealth of research opportunities for you to choose from. Given the breadth of research supervision available, we have an exceptional ability to take on ambitious research topics and postgraduates with interdisciplinary research interests are particularly welcome.

Spirit of innovation

Birmingham is a university of firsts. Our university grew out of a radical vision for a new model of higher education in the UK. Founded in 1900, Birmingham was England's first civic university, where students from all religions and backgrounds were accepted on an equal basis. That spirit of innovation continues through our groundbreaking research in areas ranging from cancer studies to sustainable energy: research that impacts on society and on people's lives.

Fact

Our physicists have played a key role in finding the long sought-after Higgs boson, making a significant breakthrough in our understanding of the fundamental laws that govern the Universe.





From revealing the structure of DNA to developing new treatments for heart disease and cancer, the University boasts eight Nobel Prize winners among its alumni and staff.



Our Centre for Formulation Engineering was awarded the Queen's Anniversary Prize for Higher and Further Education in November 2011; perhaps the most prestigious honour that can be awarded to a UK university or college.

Leading the way

- We are a leading global university; from among the world's many thousands of institutions, we are 67th in the QS World University rankings
- Researchers at the University have successfully used a herpes vaccine to attack and kill cancer cells – a leading development for cancer vaccines
- Research at Birmingham enabled the development of radar and the microwave oven
- Sir Peter Medawar, former Professor of Zoology, was awarded the 1960 Nobel Prize in Physiology or Medicine for his work, which has formed the basis of modern transplant surgery
- In 1891, John Henry Poynting was the first scientist to successfully calculate the mean density of the Earth, which he performed at the University

University of choice

- Birmingham has been chosen as the first of a unique chain of Cancer Research UK centres in the country, because of its research and medical expertise
- 4,000 international students from 150 different countries make Birmingham one of the largest international student communities in the UK

Unique resources

- The University owns over 2.7 million books and periodicals including its special collection of over 80,000 pre-1850 books and 3 million manuscripts dating from 1471
- The Barber Institute of Fine Arts, located on campus, contains works by Botticelli, Degas, Monet, Van Dyck, Picasso, Matisse and Rembrandt



At almost 100m, the University clock tower, known to students as 'Old Joe', is the tallest freestanding clock tower in the world.



Taught programme options

THESE PROGRAMMES ARE ASSESSED BY A **COMBINATION OF COURSEWORK, EXAMINATION AND DISSERTATION.**

Our taught programmes are:

- Master of Arts (MA)
- Master of Science (MSc)
- Master of Laws (LLM)
- Master of Education (MEd)
- Master of Business Administration (MBA)
- Postgraduate Diplomas and Certificates (PGDip, PGCert)

MA/MSc/LLM programmes

These programmes are normally a year in duration and can be studied on a full- or part-time basis. For most Masters programmes you need a good degree (usually a 2:1) or an equivalent qualification in a relevant subject.

MEd programmes

The MEd qualification is restricted to qualified and experienced teachers but otherwise is similar in structure to MA programmes.

MBA programmes

The Birmingham MBA is a suite of high-quality programmes in a variety of flexible formats. It can be studied as a 12-month intensive full-time programme; alternatively you can choose to study preliminary courses that can extend the programmes to 21 or 24 months. It can also be studied part-time over two to four years, delivered in intensive blocks.



Diploma/Certificate courses

These courses are usually nine months in duration and can be studied on a full-time, part-time or modular basis. Some programmes have additional requirements such as relevant work experience.

Overseas students

For international students who need additional support prior to their Masters degree or who are looking for a two-year programme leading to a Masters qualification, we offer pre-Masters programmes in certain areas within Social Sciences. These are ideal courses if you need to develop your academic English and study skills in order to prepare for your Masters-level study.

Doctoral research study options

WE OFFER A RANGE OF DOCTORAL RESEARCH STUDY OPTIONS. THESE ARE ASSESSED BY RESEARCH ALONE, WITH A HIGH LEVEL OF RESEARCH TRAINING.

Working closely with the support and guidance of a supervisor, you will produce a thesis, which at PhD level is a work of original scholarship worthy of publication in a learned journal. Your thesis is usually required to be between 50,000 and 80,000 words depending on your subject area.

Most research degrees require the attainment of an Honours degree (normally a First or Upper Second Class Honours degree or equivalent) in a relevant subject awarded by an approved university. In some cases you will also need to have completed a Masters degree or equivalent qualification in a relevant subject. Some programmes also require additional criteria such as relevant work experience.

Our doctoral research programmes are:

- Doctor of Philosophy (PhD)
- PhD by Distance Learning
- MA/MSc by Research
- Doctor of Engineering (EngD)
- Doctor of Dental Surgery (DDS)
- Doctor of Medicine (MD)

Doctor of Philosophy (PhD)

The PhD is normally a three-year (full-time) or six-year (part-time) research-only degree and may include the equivalent of up to 120 credits of research training spread over a notional 540 credits for the three years of the programme.



PhD by distance learning

This innovative form of study is identical in nature to the standard PhD, the only difference being that supervisory sessions take place via audio and visual communication services such as Skype or Facetime, rather than in person.

MA/MSc by Research

This course enables you to pursue an individual programme of research in any field. It involves the investigation and evaluation of an approved research project and the presentation of a dissertation. The award comprises 180 credits. The programme lasts one year full-time or two years part-time.

Doctor of Engineering (EngD)

This programme, usually lasting four years, integrates research with taught postgraduate work comprising a maximum of 180 credits.

Doctor of Dental Surgery (DDS), Doctor of Medicine (MD)

These part-time programmes, usually lasting two years, may include taught postgraduate work comprising a maximum of 180 credits.

Combined research and taught study options

COMBINED PROGRAMMES CONTAIN SOME **TAUGHT ELEMENTS** ALONGSIDE TRAINING IN RESEARCH SKILLS AND METHODOLOGY.

Most combined programmes require a good first degree (usually at least a 2:1) or equivalent qualification in a relevant subject – some also require additional criteria such as relevant work experience.

Our combined research and taught programmes are:

- Master of Research (MRes)
- Doctor of Philosophy (PhD with Integrated Study)
- Professional doctorates

MRes programmes

These programmes are normally one year full-time in duration (two years part-time) and require the production of a final dissertation or thesis of between 15,000 and 20,000 words on a specific research topic. Providing a structured study programme offering a broad training, MRes programmes are an ideal stepping stone to a PhD programme.

Doctor of Philosophy (PhD with Integrated Study)

This four-year programme (also known as the New Route PhD) combines the traditional research degree with a range of skills- and subject-focused taught modules comprising a maximum of 180 credits.

Professional doctorates (ClinPsyD, ForenPsyD, EdD, EngD, SocScD, DPT)

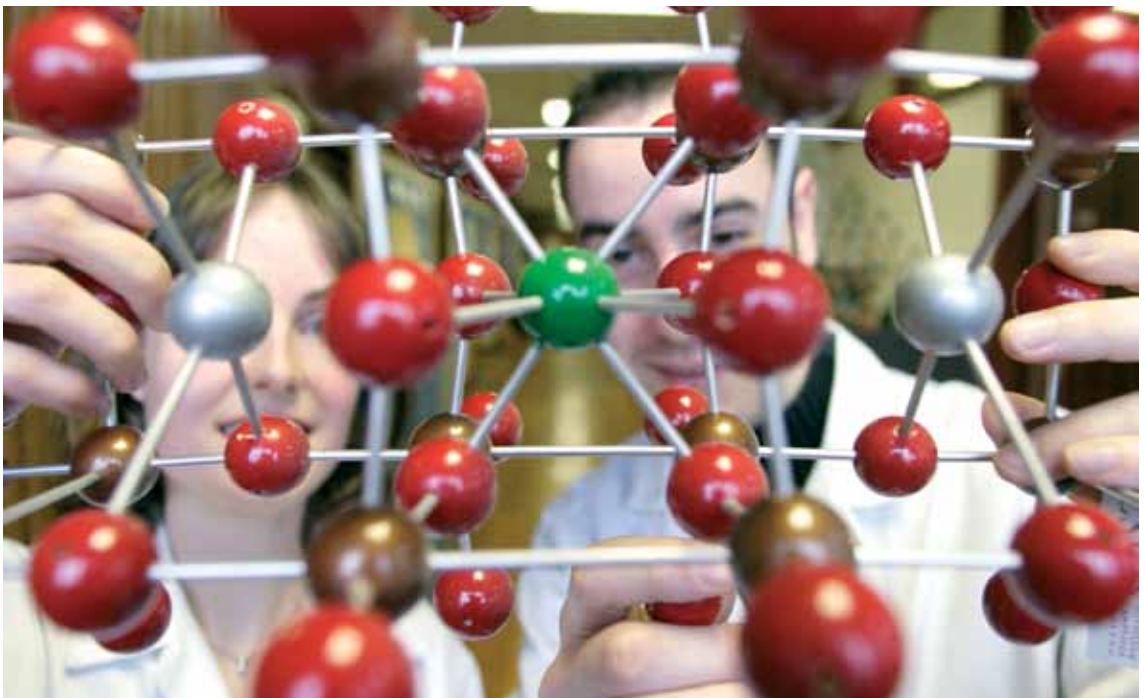
These programmes integrate taught postgraduate work and/or professional practice with research in a programme of 540 credits. You are assessed by written examinations, project reports and a dissertation or thesis, which collectively make an original contribution to knowledge that is worthy of publication. Spread over a period of three years, programmes comprise research-related work and subject-focused taught courses.





'I chose postgraduate study at the University of Birmingham due to the hugely positive experience I had here as an undergraduate. I was attracted to [my postgraduate] course as the half-taught, half-research structure would allow me to gain an interdisciplinary introduction to the main theories and developments in the field. [I could] also specialise in a particular area and gain the academic and personal skills necessary for a career in research.'

Deborah, MRes Gender Studies



Continuing professional development (CPD) and other ways to study

WHETHER YOU ARE LOOKING TO DEVELOP SPECIALISED SKILLS AND EXPERTISE TO MEET YOUR CAREER NEEDS, OR YOU ARE AN EMPLOYER LOOKING TO PROVIDE MOTIVATING, WORK-RELATED STUDY OPPORTUNITIES FOR YOUR STAFF, **WE HAVE A FULL RANGE OF EXECUTIVE EDUCATION OPPORTUNITIES FOR ESTABLISHED PROFESSIONALS.**

CPD courses

We work with companies and organisations from a variety of sectors and industries, in the local region, nationally and internationally, to provide innovative yet practical skills development courses. We offer a range of study options that provide flexibility for employees and employers to meet real business and career needs. All our professional development courses are designed to reflect work-based practice, while also benefiting from the internationally significant research that is inherent in our strong academic knowledge base. Many of our courses are accredited by professional bodies and count towards CPD portfolios.

Short open courses

Offered in a number of subject areas, short open courses provide you with the opportunity to network with other professionals in your discipline, in a dynamic learning environment made up of participants from a range of companies and organisations. They provide the opportunity to examine longer, advanced-level CPD possibilities and help you stay up to date with the current best practice in your profession.

Bespoke programmes

Our bespoke programmes are tailored solutions to meet specific business needs for companies and organisations. Commissioned from across our wide-ranging CPD portfolio, the specific and specialised programmes are designed in partnership with the business client to ensure relevance and flexibility.

Conversion courses

These provide opportunities for those with existing higher education qualifications to gain advanced knowledge and skills in a new subject area or enable a change in career. Routes available include qualifications in business, computer science, economics, education, human resources, law, marketing, and medical and health sciences. Entry requirements vary but a good first degree in any subject will be sufficient; some science courses require a science-related qualification. Visit www.birmingham.ac.uk/students/pg for a full list of our conversion programmes.

Distance learning/distance education

If you are unable to study on campus we offer a range of programmes through distance learning (also referred to as distance education in some subject areas), which you can study providing you have regular access to a computer with internet connection. With most learning materials online, you will have access to our libraries along with a vast collection of e-resources. Programmes that have a distance learning option are highlighted in this prospectus; further information can be found at www.birmingham.ac.uk/students/pg



Flexible PhD study options

In some circumstances, more flexible modes of study for the degree of PhD may be available, such as jointly awarded PhDs through Univeritas 21, joint PhDs with other institutions, dual PhDs, and PhD by distance learning or split location.

Changing direction

Upon completion of their undergraduate studies, some graduates realise that the career path that they once deemed perfect is no longer the way they want to go. We have a number of postgraduate opportunities for graduates where no prior knowledge of the subject area is expected. These include:

- MSc Computer Science
- MSc Health Economics and Health Policy
- MSc International Marketing
- MSc Marketing
- MSc International Business
- MSc Human Resource Management
- MSc Human Resource Management (CIPD)
- MA Social Research
- MSc International Development programmes

Learn more

See the CPD website for more information

www.birmingham.ac.uk/students/cpd



Learning at Birmingham

AT BIRMINGHAM YOU WILL RECEIVE AN OUTSTANDING LEARNING EXPERIENCE. **YOUR STUDIES WILL BE CHALLENGING AND INSPIRATIONAL.** AS A BIRMINGHAM POSTGRADUATE YOU ARE PART OF AN ELITE ACADEMIC COMMUNITY WHERE YOU WILL LEARN FROM AND WORK ALONGSIDE WORLD-LEADING EXPERTS.

Learning at Birmingham is a partnership that stimulates natural curiosity and enables your original ideas to flourish. Your learning will be participative: a partnership of enquiry and interaction between yourself and your tutor – this characterises our enquiry-based approach to learning. We want you to be challenged and will encourage you to think for yourself.

What does this mean for our taught postgraduate students?

As you progress through your taught degree programme, our enquiry-based learning approach will enable you to control your own learning and will encourage you to develop the qualities that employers are looking for in today's competitive graduate/postgraduate employment sector: creativity, independence, teamworking, goal setting and problem solving. These skills will give you the tools to succeed in your future career.



What does this mean for our postgraduate research students?

An enquiry-based research environment will enable you to hone your potential to undertake world-class research. Key to this environment is our model of postgraduate research (PGR) induction and supervision through which you will identify your research and training goals, take ownership of your own programme and develop skills geared to the achievement of research excellence. While facilitating your individual enquiry, we also encourage you to exchange ideas with different research and disciplinary traditions. In addition, you are offered the opportunity to explore, where possible and appropriate, collaborative and teamworking in a range of contexts.

Postgraduate teaching at Birmingham

Learning and teaching are interdependent and complementary experiences. Results from our last (2011) Postgraduate Taught Experience Survey revealed that our taught postgraduate students rate their learning experience at Birmingham very positively. The survey demonstrated that:

- Over 9 in 10 postgraduate students surveyed rate the teaching and learning on their programme as 'good'
- Over 8 in 10 agree that 'staff are enthusiastic about what they are teaching' and their 'course is intellectually stimulating'
- Three-quarters of those surveyed say the quality of teaching and learning has exceeded expectations

'The University of Birmingham surpassed all my expectations. Besides the academic knowledge gained, Birmingham is a vibrant and cosmopolitan city which lessened my homesickness... the calibre of lectures, the learning facilities, the type of students and city mean that the University of Birmingham provides the ultimate learning environment.'

Sewela, MSc Strategic Marketing and Consulting

'During my time at Birmingham I received research support and supervision from a caring, internationally renowned faculty with first-rate expertise in their field. I also benefited from being part of an equally dynamic postgraduate community.'

Caroline, Doctoral Researcher, Department of English



Facilities and resources

AS A BIRMINGHAM POSTGRADUATE YOU HAVE EASY ACCESS TO THE MATERIALS YOU NEED FOR **WORLD-CLASS RESEARCH AND STUDY.**

The University has the largest research support facilities in the West Midlands, offering over 2.7 million books and periodicals and more than 16,000 electronic resources. Many of our resources are of national significance, and all are fully available to doctoral researchers.

They include:

- Our Special Collections and Archives consisting of 120,000 pre-1850 books and 3 million manuscripts
- The Mingana Collection of Middle Eastern manuscripts, the largest such collection after the Vatican and the Bibliothèque Nationale de France
- The largest superconducting magnet for molecular imaging in the UK, housed in the University's Henry Wellcome Building
- The Shakespeare Institute Library in Stratford-upon-Avon, which holds an internationally significant collection of books, manuscripts and archive material on the history and performance of Renaissance drama

Learn more

www.library.bham.ac.uk

www.special-coll.bham.ac.uk



'What sets Birmingham apart from other universities is the breadth of treasures available to our students. We have been building our library collections for over 100 years across all our disciplines.'

Diane Job, Director of Library Services



Fact

Our libraries are currently benefiting from a £1.8 million digital project. The project will ensure that more of our prestigious collections will be accessible to our students, making items easier to find. By tracking patterns of use, the project is intended to make the Library collection more responsive to your research and curriculum needs.

The Barnes Library and main reception at the Medical School have undergone a £2 million refurbishment, creating a single student-focused hub, bringing study spaces, library resources, student services and training facilities together into a single dynamic location.

Access where and when you need it

As part of our annual satisfaction survey, our students told us that they wanted the library opening hours to reflect their working patterns; so, our Main Library is now open until midnight during the week. If you do find yourself working a long day then our iLounge café is the perfect place to recharge your energy levels with a drink or a snack. The Library houses a range of flexible learning and meeting spaces, from room for group work to quiet corners for individual study. Wherever you find yourself on campus, be it tucked away in a lecture theatre, under the trees in Chancellor's Court in the summer, or wherever you choose to study, you will be able to log on to the student portal. This is your personalised gateway to the digital campus, providing access to email, news, online communities and eLibrary. This will give you access online to over 16,000 electronic periodicals, databases, websites and other resources to support your studies.

Shakespeare Institute library

We have a wide range of services designed to help you access and use these resources most effectively, including:

- Electronic databases and journals on the eLibrary, available both on and off campus
- Online library catalogue of printed collections
- One-to-one information clinics for doctoral researchers to support individual learning needs
- Subject and database guides to help identify useful information sources
- Skills guides to help you get the most out of your research
- A range of library services accessible by telephone or online

New ways of learning

AT BIRMINGHAM, WE EXPECT A LOT FROM OUR STUDENTS, BUT WE HAVE CREATED AND CONTINUE TO INVEST IN **AN ACADEMIC ENVIRONMENT THAT WILL HELP YOU SUCCEED.**

This not only means that we provide the facilities and opportunities for you to work whenever and however suits you, you will also benefit directly from learning technologies, including:

- WebCT Vista and the iVLE – our virtual learning environments, which include online course content, programme materials, assessment and discussion boards.
- Our pioneering Active Learning Classroom – an innovative multi-level learning space which facilitates group work, class collaboration and shared learning. The room can accommodate five groups of students each with access to a 40" LCD screen and PC. The technology enables ideas to be developed in one group, and then shared, via the screens, with all of the others in the room for further development.
- The high-performance research computing facility, BlueBEAR – one of the most powerful computers in the UK, developed in partnership with IBM.

Year on year, the University is redeveloping its learning spaces. Most of our teaching rooms are now equipped with touch screen digital whiteboards as standard, allowing your lecturers to annotate and highlight presentations in real time. A number of our prime lecture theatres are equipped with high definition video projection for cinematic widescreen presentations.

Research into action

We offer a wide range of support services to enable doctoral researchers to develop their research into practical and marketable applications.

Our Research and Commercial Services team provides advice and assistance in the following areas:

- Project and bid development
- Funding opportunities
- Compliance with research governance and ethics
- Contracting with third parties
- Working with business and industry

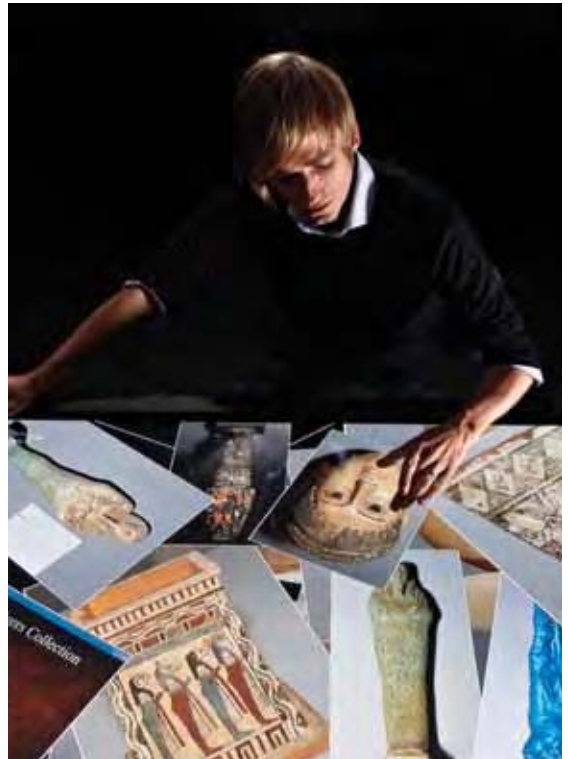
Learn more about all aspects of our research at www.birmingham.ac.uk/research/index.aspx

'Linking my academic work with the industry sector has given me a golden opportunity to get a head start in the industry by building networks and an understanding of its overall working structure.'

*Chia, Doctoral Researcher,
College of Engineering and Physical Sciences*

'During my Masters degree I was trained in the use of a wide variety of digital archaeological prospection and processing techniques including geophysical survey, aerial and satellite remote sensing, spatial analysis, and three-dimensional visualisation. The personal and technological resources made available have provided me with an academic and vocational skill-set which I am confident will prove invaluable towards my progression into the professional world.'

*Jack, MA Landscape Archaeology,
GIS and Virtual Environments*



Innovative learning technologies

To make our learning more interactive we are investing in innovative multi-touch learning technologies. Our pilot 2D and 3D touch tables allow several users to simultaneously access multiple images, scans, films, and texts. Using simple hand gestures, the detail of any piece of content can be expanded or contracted to observe details, uploaded or downloaded to handhelds, and passed about between users. So, a user could rotate a 3D scan of an ancient sculpture, see it from every angle, and flick it over to their friend to consider. Meanwhile, across the table you could be exploring 3D laser scans that the University's VISTA group has recently made of a villa in Pompeii. Noting a spot that has been highlighted on a kitchen wall, you could expand it to see a piece of graffiti that the scanners detected even though it is invisible to the naked eye. If your Latin is not up to scratch, you could touch the screen to get a translation of the graffiti and discover that it is a recipe scraped into the wall almost 2,000 years ago. Perhaps you might email it to yourself and try the dish out at home!

Birmingham: solving tomorrow's problems today

BIRMINGHAM IS AN INTERNATIONALLY POWERFUL RESEARCH-LED UNIVERSITY AND OUR ACADEMIC STAFF ARE ENGAGED IN A WIDE RANGE OF RESEARCH PROJECTS THAT HAVE CREATED A **MAJOR POSITIVE IMPACT ACROSS THE GLOBE.**

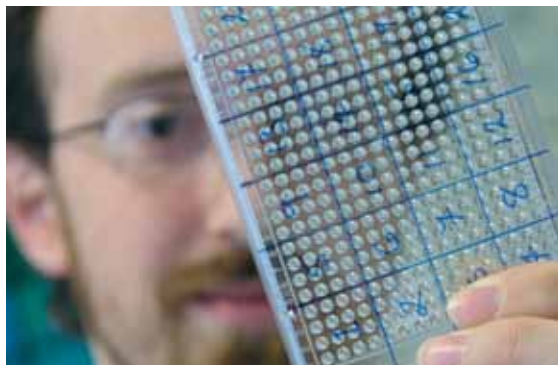
At Birmingham we have a tradition of innovation. For more than a century, our research has had a major impact on the city, the region and the world. Our early research had a lasting impact on lives, culture, industry and society and our current research aspires to do the same. In the 20th century we pioneered transplant surgery, the use of microwaves and created artificial vitamin C. In the 21st century we continue to break new ground. From world-class research into cancer and global infection to the development of a new generation of fuels, a Cultural Learning Hub and the Birmingham Policy Commissions, our academic expertise continues to address today's key national and global challenges.

A commitment to research excellence

At Birmingham our commitment to research is stronger than ever. We continue to appoint outstanding new talent in a wide range of

disciplines, are supporting substantial new research programmes, and are building new national and international research collaborations.

Our Institute of Advanced Studies has been developed to bring together the brightest minds from across the institution, while the Birmingham Fellows scheme is attracting the brightest and the best from around the world to develop their academic careers at Birmingham. This innovative scheme has so far appointed over 30 Birmingham Fellows on a five-year appointment, allowing outstanding early career researchers with high potential the time to establish themselves as rounded academics who will go on to make a full and lasting contribution to research, teaching and academic citizenship. For more information, please email us at birminghamfellows@contacts.bham.ac.uk





The Guangzhou Biobank Cohort Study

The Guangzhou Cohort Study is a collaborative research project between the universities of Birmingham and Hong Kong and the Guangzhou Occupational Diseases Prevention and Treatment Centre in China. This major study, which involved more than 20,000 people in the Chinese city of Guangzhou, has shown that exposure to passive smoking is putting many non-smokers at risk of developing chronic lung disease (including chronic bronchitis and emphysema).

The results, published in *The Lancet*, suggest that exposure to passive smoking could cause up to 1.9 million deaths from chronic obstructive pulmonary disease (COPD) among non-smokers across China.

Kar-Keung Cheng, Professor of Epidemiology at Birmingham, is a co-Principal Investigator of the Guangzhou Biobank Cohort Study and has longstanding interests in the impacts of smoking and obesity prevention. Professor Cheng is the lead researcher on health in the UK government's China Task Force chaired by the Chancellor of the Exchequer.



Andrew, Doctoral Researcher in the College of Engineering and Physical Sciences

'My research revolves around age-related macular degeneration, the largest single cause of vision loss in the western world.

Funded by the Engineering and Physical Sciences Research Council, our work aims to provide a clinical tool for fast, cost-effective diagnostic screening of the elderly population.

Working on an interdisciplinary project that incorporates staff from several departments in the University allows me to access both the academic expertise and research equipment that I need. I have presented my work nationally and internationally at conferences, and hope in the future that early diagnosis resulting from such research will enable early treatment and a reduction in or prevention of sight loss.'

Our research in action

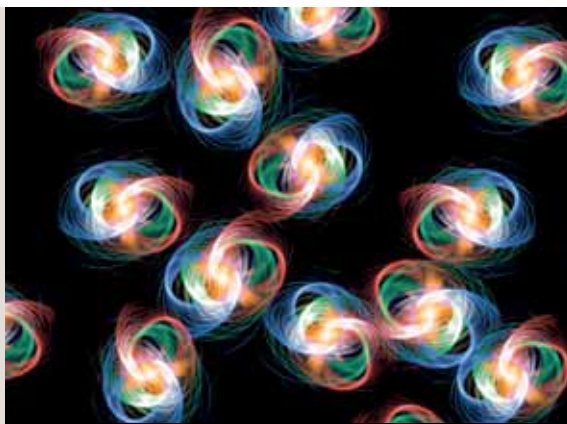
WE ARE CHANGING THE WORLD.
WE ARE BIRMINGHAM.

Research goes global

The University has established new international partnerships in Brazil and China. In China (Guangzhou), we are working with the municipal government on a number of collaborative agreements and have three first-phase biomedical research projects underway. In Brazil, we are working in partnership with the University of Nottingham to strengthen its academic links across the country.

Finding Higgs boson helps understand the Universe

University of Birmingham physicists have played a key role in finding the long sought-after Higgs boson. Researchers from the ATLAS experiment at the CERN Large Hadron Collider have confirmed that they have observed a new particle consistent with the Higgs boson. These results mark a significant breakthrough in our understanding of the fundamental laws that govern the Universe. Birmingham group members are at the heart of the ATLAS Higgs search, being involved in the data analysis and also building and operating the electronics, which ensure in microseconds that Higgs candidates are kept from among the hundreds of trillions of collisions that have taken place so far.



The elusive Higgs boson



The University is pioneering early assessment of children with autism

Leading autism research

The University's expert research into improving support for people with autism is internationally recognised and Birmingham remains a champion of the call for increased investment into autism research. Most recently, the schools of Psychology and Education have pioneered a new community-oriented early assessment and intervention research model, designed to ensure effective intervention with children with autism and related developmental difficulties at an early age. Our academics are also collaborating with colleagues in India, sharing their expertise in autism, and other special educational needs.



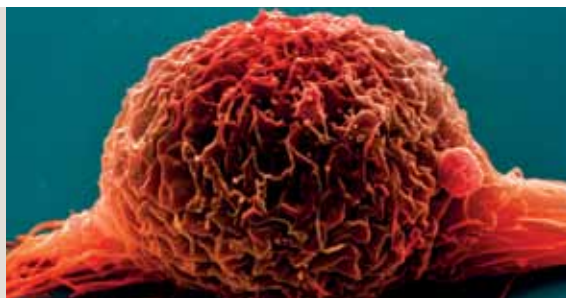
The innovative Digital Heritage Hub

Bringing the region's rich heritage to life: digitally

A unique new project to help businesses bring the region's cultural heritage to life through the use of new and exciting digital interactive technologies is being launched at the University of Birmingham. The £2.4 million ERDF-funded Digital Heritage Demonstrator project offers a host of tools that businesses can use to create digital ways to explore museum collections, enjoy art and culture or to learn about the heritage of West Midlands. The potential uses for the technology include creating 3D rendering of objects in museum collections and developing interactive digital displays.

Groundbreaking bladder cancer research

University of Birmingham experts continue to contribute to groundbreaking cancer research. A major bladder cancer trial led by the University has shown that adding two commonly used chemotherapy drugs to traditional radiotherapy can reduce the chance of a tumour coming back by a third. The success of the trial could mean fewer patients need their bladder removed and provides a viable alternative for frailer patients who are too weak for surgery.



Bladder cancer cell



The University is working to raise the profile of childhood Multiple Sclerosis

Profiling childhood MS

University of Birmingham researchers have raised the profile of childhood Multiple Sclerosis (MS), a condition of the central nervous system. Working with Birmingham Children's Hospital, our researchers have found that the UK has the world's highest reported national incidence of people who experience their first MS-like attack in childhood. The Birmingham researchers also discovered that the average age for the first MS-like symptom was ten years old, and that more girls than boys were affected – in keeping with the diagnosis ratio that MS affects twice as many women as men.

Researchers hope these findings will help to raise the profile of childhood MS among health professionals, potentially leading to a quicker diagnosis and more tailored support for young people. A second long-term study will follow children into adulthood to ascertain which of them with an MS-like illness are more likely to develop MS, and how this debilitating illness develops.



seize

the opportunities that
will shape your future

Working alongside my studies has given me the opportunity to further develop my communication and interpersonal skills, and also expanded my professional contacts network.

I work part-time as a student demonstrator, assisting undergraduates during lectures and tutorial sessions, helping them to interpret information and assess assumptions critically when solving technical problems. I am also a postgraduate ambassador, where I lead campus tours to prospective students and answer any questions they have about life as a postgraduate at the University of Birmingham. I also help to staff the Doctoral Researcher Enquiry Service Centre by offering guidance on course content, assisting with the application process and providing student life mentoring to prospective doctoral researchers. These roles have not only significantly developed my technical and transferable skills, but have also sparked my interest to continue working in higher education.

Fabricio

Doctoral Researcher in Engineering and Physical Sciences

University Graduate School

THE UNIVERSITY GRADUATE SCHOOL SUPPORTS THE POSTGRADUATE RESEARCH COMMUNITY AT THE UNIVERSITY. IT ACTS AS THE CENTRAL RESOURCE POINT, GIVING ACCESS TO A WEALTH OF SERVICES TO SUPPORT YOU IN YOUR RESEARCH, DEVELOP YOUR SKILLS, AND PREPARE YOU FOR SUCCESS IN A COMPETITIVE GLOBAL JOB MARKET.

What is the University Graduate School?

The University Graduate School (UGS) challenges the old adage that postgraduate research is a lonely experience. It brings together all postgraduate researchers registered at the University, with a philosophy of supporting and promoting the postgraduate researcher community. In doing so, the UGS works on behalf of postgraduate researchers to ensure the best possible research and educational environment.

From networking events and University inductions, to a comprehensive skills development programme, the UGS ensures that postgraduate researchers get the most out of their time at the University of Birmingham: both academically and personally. The aim is to ensure that our researchers are equipped to do the highest quality research during their time at Birmingham and to go on to rewarding and successful careers after their graduation.

Welcome and induction

The University Graduate School Induction Day in October will introduce you to the facilities available to postgraduate researchers and will outline how we can support you in your studies. We also run a dedicated welcome programme, including lunches and coffee mornings, where you can get to know other new postgraduate researchers in a friendly, informal setting.

Additionally, our Doctoral Researcher Essentials package provides an online guide to your first year as a PhD researcher. This can be a particularly valuable tool if you are starting your research degree in-year or completing your studies part-time.

Skills and training development

The University Graduate School offers a dedicated postgraduate researcher training programme to help you become an effective researcher, develop your transferable skills and enhance your CV. Whether you need to prepare for a conference presentation, improve your writing skills or get to grips with project management skills, our extensive training programme has a course that can support you.

UGS events

These events are open to all University of Birmingham postgraduate researchers:

- Welcome week networking mornings
- Induction day
- Networking series
- Images of Research Exhibition
- Excellence in Research Awards
- Research Poster Conference

'Right from the outset..., the University Graduate School was on hand with information about the large variety of courses, workshops and events available for postgraduate researchers at the University of Birmingham...'

Fabricio, PhD Chemical Engineering



Postgraduate community

As part of our postgraduate community you have the chance to participate in and contribute to the organisation of University-wide events such as the annual Research Poster Conference and Images of Research Competition. These events celebrate the achievements of Birmingham's postgraduate researcher community, giving you a chance to meet other researchers and promote the exciting research that is taking place at the University.

The University Graduate School also works closely with colleges to support postgraduate-led development opportunities; ensuring funding is available for postgraduate-led initiatives such as online journals, postgraduate forums and training workshops.

Learn more

Through our website, University Graduate School blog, Twitter feed and RSS news feed we are able to tell you about upcoming events and important news from around the researcher community – keeping you up to date with everything on offer.

www.graduateschool.bham.ac.uk
www.twitter.com/UoBGradSchool



Training courses

IT and research skills development training is offered to all postgraduate researchers. Courses offered include:

- Time Management
- Viva Preparation
- Overcoming Procrastination
- Speed Reading
- Poster Design

Many courses are delivered online so you can learn at your own pace and at a time that suits your schedule.

The Guild – your students' union

guildofstudents

REPRESENTING OVER 28,000 STUDENTS, **THE GUILD OF STUDENTS IS BIRMINGHAM'S RECOGNISED STUDENTS' UNION.** WITH A RANGE OF SERVICES ON OFFER AND OPPORTUNITIES TO MEET NEW PEOPLE AND BUILD A NETWORK OF CONTACTS, THE GUILD IS AT THE HEART OF UNIVERSITY LIFE.

As a student you will automatically be a member of the Guild. The Guild represents you and brings students together on issues you care about to create positive change and achieve equality for and within its membership.

The Guild is based in one of the largest students' union buildings in the country, offering places to eat, shops, and bars. Hosting social events, debates, and theatrical and musical productions, the Guild provides the ideal place to relax and socialise.

Get involved

The Guild provides a range of opportunities for you to get fully involved in university life. With over 200 active student groups and societies to choose from, covering interests from art and astronomy to walking or wine appreciation, there really is something to suit everyone. In addition, there are over 250 different ways for you to volunteer during your time at Birmingham, including opportunities with student-led projects and numerous external charities and voluntary organisations.

Representing you

The Guild is dedicated to ensuring that you have the best experience here at Birmingham. Students are at the heart of the decision-making process and there are a number of opportunities for you to be involved and have your say.

The Guild Officer Group

The Guild Officer Group comprises sabbatical and non-sabbatical officers, elected by students every year to provide democratic leadership to the Guild.

Postgraduate and Mature Students' Officer

The Postgraduate and Mature Students' Officer is an elected member of the Guild Officer Group, and represents the views of their fellow students as well as offering support to individuals. The Postgraduate and Mature Students Association, chaired by the Guild Officer, provides an additional forum to discuss any issues and represent the needs of our postgraduate community.

Campaigning

The Guild runs campaigns throughout the year to enable students to raise awareness of the issues that matter to them. The Guild is also a member of the National Union of Students (NUS) – a federation of UK students' unions that represents over 5 million students.

Guild Council

The Guild Council is the democratic voice of students. By getting involved in the Council and other forums you can highlight issues affecting students and make changes in the Guild and University community.

Worklink

From September 2012 students will be able to use the University's own internal recruitment agency, Worklink, to access a wide range of jobs based on campus. Based in the Guild of Students and working alongside Job Zone, Worklink will provide you with access to all on-campus student casual work vacancies. You'll find a range of opportunities to fit your experiences and skills set, will be able to build on your own employability skills, and have the ability to earn money while you study.



'I have worked as a student representative for my school, my college and the Guild, championing student opinions to the University. Not only have these roles greatly increased my social circle, they have also broadened my future career options thanks to the variety of new skills I have gained.'

*Andrew, Doctoral Researcher,
College of Engineering and Physical Sciences*

Student Representation Scheme

The Student Representation Scheme is a partnership between the Guild of Students and the University. Each school elects a student representative to act as the voice of Birmingham's large postgraduate population.

Providing support and guidance

The Guild offers a range of support services. They include:

Advice and Representation Centre (ARC)

The ARC offers free, impartial and confidential information, advice and representation on a wide range of issues to all students. It specialises in five main areas:

- Academic (extenuating circumstances, plagiarism, complaints, and primary appeals)
- Debt and Finance (funding, managing your money and debt)
- Employment
- Immigration
- House (hunting, contract checks, deposits, and rights and responsibilities)

Job Zone

Our on-campus Job Zone offers expert guidance, advice and assistance in finding part-time and temporary employment.

Student Mentor Scheme

The Student Mentor Scheme provides advice and guidance to all students living in University accommodation. The Scheme can help with a range of issues, including financial matters, accommodation-related issues, your academic studies, and your general wellbeing during your time at Birmingham. Fully trained mentors and professional support staff are available to assist you and can be accessed by phone, email or in person.

Learn more

For more information on the University of Birmingham Guild of Students

www.guildofstudents.com

www.facebook.com/guildofstudents

www.twitter.com/GuildofStudents

Create your future

EMPLOYERS EXPECT POSTGRADUATES TO HAVE A RANGE OF SKILLS THAT EXCEED THEIR SUBJECT KNOWLEDGE. OUR CAREERS AND EMPLOYABILITY CENTRE OFFERS A RANGE OF SKILLS TRAINING COURSES AND SUPPORT SERVICES THAT ARE DESIGNED FOR POSTGRADUATES LOOKING TO FIND THEIR NICHE IN THE JOB MARKET.

In an increasingly competitive employment market, you need access to opportunities and resources to develop your employability and help you plan the next step in your career.

Our specialist careers advisors offer one-to-one advice to help you plan your career, explore employment areas, research further study options, review your CV, complete application forms and prepare for interviews.

You have access to a range of events including careers fairs, employer presentations, careers talks and skills workshops. Blue-chip companies such as Accenture, American Express, Corus, Deloitte, Procter & Gamble and Unilever are regular participants with a strong commitment to recruiting from Birmingham.

In addition we can offer bespoke training sessions, which can help you to improve your interview skills and help with job applications.

Meet the employers

In the last year, over 200 employers from sectors such as industry and commerce, law, finance, science, engineering, technology and the public sector have visited our campus to give presentations, attend careers fairs or deliver skills workshops.

Throughout the year, the Careers and Employability Centre arranges a wide range of employer events and activities on campus. These include an employer presentation programme, the Enterprise Skills Series, Finance, Consultancy and Professional Services Fair and a range of college-specific events.

Our strong links with major recruiters enable us to maintain a large bank of vacancies that are notified directly to us and appear on our website. We will help you identify where relevant vacancies are advertised and, where appropriate, how best to make speculative applications.

Your global career

International students have full access to all Careers and Employability Centre services and facilities. There is also a range of specialist services provided for international students who want advice on working in the UK after graduation, and dedicated advice for students who would like to consider a career overseas.



'We have hired some fantastic Birmingham graduates and postgraduates in the past, and believe that they have the experience and intelligence to understand the challenges of working with Procter & Gamble.'

*Graduate Recruitment Manager
Procter & Gamble*

Shaping the entrepreneurs of the future

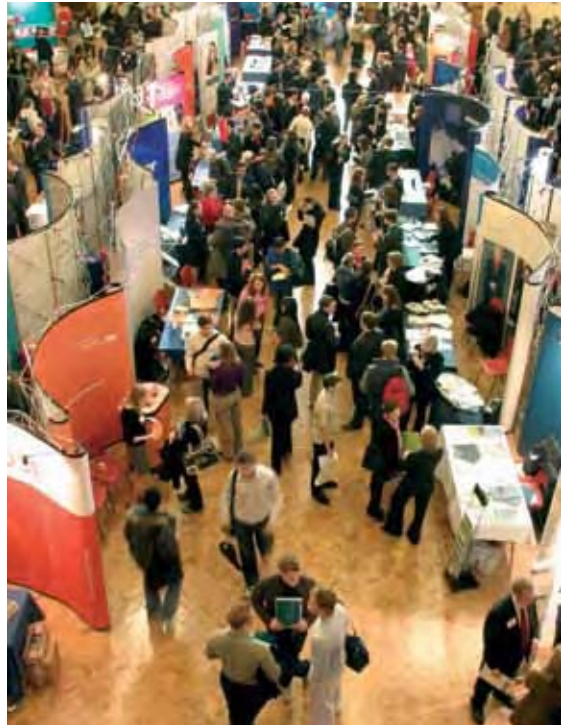
If you are interested in setting up your own business or social enterprise, our Enterprise and Innovation team provide specialist advice, support and guidance to give you the confidence to develop your ideas. You will have access to training and mentoring to help you shape your plans.

The team offer a range of programmes and services designed to support you; from assisting business start-ups to running competitions, which allow you to discover your own entrepreneurial talents.

'My time at Birmingham has shaped my ambition for the future by giving me more motivation, to want to do something with my life and to want to progress.'

Life after university looks promising for me, as after completing my course I am planning to work for a multinational industrial company as an occupational health specialist.'

Ola, Masters in Occupational Health



Your wellbeing – support when you need it

NATURALLY, WE HOPE THAT EVERYTHING GOES SMOOTHLY WITH YOUR LIFE WHILE YOU ARE STUDYING WITH US. IF THERE ARE TIMES WHEN YOU NEED A LITTLE HELP, **YOU WILL FIND WE HAVE A STRONG ADVICE AND SUPPORT NETWORK IN PLACE.**

Supporting each other

To help you settle into your new home, if you are in a University residence, you will be allocated a trained student mentor who will visit you every week or two to offer you support and useful welfare information. Mentors are also available on-call from 6.00pm–8.00am during term-time.

Your wellbeing

Both our Counselling and Wellbeing services offer a proactive service to help you develop skills to manage emotional, psychological and practical problems that may prevent you from engaging fully in the academic and social opportunities available at the University. The services, based at 3 Elms Road, are staffed by professional counsellors and wellbeing advisors who provide expert individual, group or online contact.

Respecting your faith

St Francis Hall, the University chaplaincy, offers a place where students of all faiths, or those interested in world religions, can meet for worship, an informal chat in the Oasis Lounge, or to see a chaplain for spiritual or religious advice and pastoral counselling. We have Christian, Jewish, Muslim, Hindu and Buddhist chaplains and, in addition, many student-led faith groups and societies.

Looking after your children

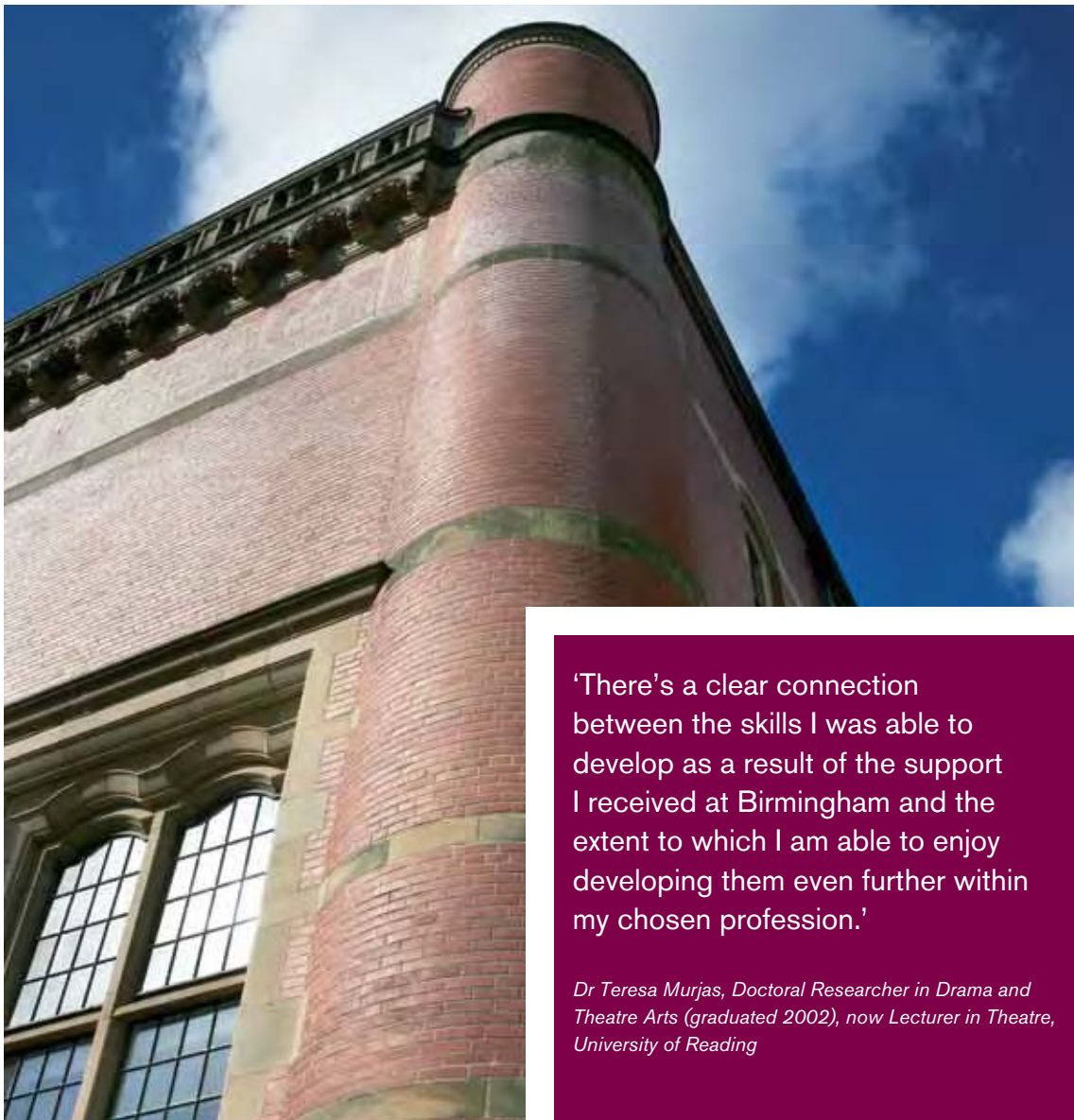
If you are juggling your studies with the care of young children, we provide two day nurseries situated close to the heart of campus offering a high standard of care and experience. Both are open five days a week for 51 weeks of the year, with opening times to fit around your academic life. Visit www.nursery.bham.ac.uk for full details.

Support from the Guild of Students

The Guild's Advice and Representation Centre (ARC) is a professional, student advice service, helping you with common problems such as financial, academic, housing, and immigration issues that you may face during your time at the University. You can either drop into the centre for a chat in a safe, relaxed environment or contact the ARC through its online service, where professional advisors can respond to individual queries or concerns.

Learn more

www.birmingham.ac.uk/students/support



'There's a clear connection between the skills I was able to develop as a result of the support I received at Birmingham and the extent to which I am able to enjoy developing them even further within my chosen profession.'

Dr Teresa Murjas, Doctoral Researcher in Drama and Theatre Arts (graduated 2002), now Lecturer in Theatre, University of Reading



Support if you have a disability

If you have a disability, including specific learning difficulties such as dyslexia, our Disability and Learning Support Services can help you get the maximum benefit from University life. We positively encourage you to tell us if you have a disability so that we can support you and ensure that you have the best possible experience while you are with us. Our professional team is available to guide you through the application process, providing specific learning support and equipment during your studies, and offering help and information to ensure that you receive the financial support to which you are entitled. For students with a mental health condition such as depression, anxiety, schizophrenia or psychosis, support is available from the Mental Health Advisory Service.

While we continually improve accessibility to our campus for people with mobility problems, the estate covers a significant area and includes a number of hills. A detailed mobility map is available to download at www.birmingham.ac.uk/contact/directions although we encourage you to visit us and experience it for yourself.

Learn more

Tel: +44 (0)121 414 5130,

Email: disability@bham.ac.uk

www.birmingham.ac.uk/students/support



'As someone who recently relocated to the UK I am particularly aware of the practical problems international students face during the months prior to the start of their programme. I know very well that even the smallest problem might seem insolvable when planning to move abroad. I was lucky enough to get help and encouragement from the University and friends. I myself now work as a postgraduate mentor sharing my experiences and helping new students to settle at the University.'

Galateia, Doctoral Researcher, Department of English

Support for international students

As an international student you will receive excellent support at Birmingham. You will have access to a free, confidential advice and information service specifically tailored to the needs of international students and their families. The International Students Advisory Service (ISAS) provides advice on immigration, employment, bringing dependants to the UK, possible sources of funding, academic and personal matters, and a range of practical advice on living in the UK.

We have many successful years' experience of welcoming international students to Birmingham and we are here to help you from the time you apply for your student visa and are planning your journey, through to your time as a student at the University. Our website contains useful information about day-to-day life including details about registering with a doctor, opening a bank account, ISAS contact details and much more.

ISAS also co-ordinates activities and events for international students that provide exciting and interesting opportunities to learn about life in the UK and at Birmingham. These activities can also introduce you to new cultures from among the 140 nationalities on campus, and help you to develop and improve your knowledge and use of the English language.

In addition to the support available from ISAS, the International Students' Officer in the Guild represents the interests of international students across the University, and our English for International Students Unit (EISU) can offer English language support before you arrive and throughout your time at Birmingham.

Learn more

International Students Advisory Service

Tel: +44 (0)121 414 8464,

email: isas@contacts.bham.ac.uk

www.studenthelp.bham.ac.uk

English for International Students Unit

www.eisu.bham.ac.uk



A global university

CULTURAL DIVERSITY AND A GLOBAL PERSPECTIVE ARE AT THE HEART OF THE EDUCATIONAL EXPERIENCE AT BIRMINGHAM. WE RECOGNISE THE NEED TO BE INTERNATIONAL IN OUR OUTLOOK AND THIS IS REFLECTED IN ALL AREAS OF OUR WORK.

We are founder members of the Russell Group, an association of 24 major research-led universities which accounts for more than 60% of UK universities' research grant and contract income. We have a range of initiatives designed to ensure that Birmingham graduates have a global perspective and benefit from an international experience.

A global vision

Our international plan helps ensure that our global perspective informs teaching, research and business partnerships across Birmingham. Our academic community is international in outlook and strong collaboration with leading researchers overseas ensures that their global perspective can enrich the learning experience of our students. Moreover, we continue to extend our research, business and learning networks through partnerships with universities and research institutions worldwide.

Universitas 21

We are a member of Universitas 21, an international network of universities that enables global research collaboration and facilitates opportunities for our research students to spend time at some of the most prestigious universities worldwide, including institutions such as the University of Melbourne, McGill, UBC, Korea University and Lund University. Incoming students from these universities add diversity to Birmingham's student body, providing cultural insights and experience both at home and overseas.

Study abroad

There are opportunities for Masters and PhD students from universities abroad to spend a term or year at the University of Birmingham, as well as opportunities for our own PhD students to study abroad.

Incoming students often come to the University from an exchange partner university or via the fee-paying study abroad programme. If a suitable supervisor is available then students can undertake research towards their PhD and live on campus alongside Birmingham PhD students. Incoming students have full access to all facilities.

Outgoing students, subject to the availability of a suitable supervisor at the host university, are able to select from a wide range of partner universities all over the world, including in the USA, Canada, Australia, New Zealand, China, Japan, Korea, Singapore, Hong Kong, and throughout Latin America and Europe.

For further information on these opportunities, please see www.birmingham.ac.uk/international/study-abroad.aspx

The University has a permanent presence in China (Guangzhou, Beijing and Shanghai), India (Delhi), Brazil (Santa Caterina) and the United States (Chicago). We are also the first UK university to have a dedicated presence in the political centre of the European Union, Brussels, creating opportunities for students and staff to research and study overseas.

Guy, University of Birmingham U21 PhD Studentship

This grant provided me with travel and accommodation funds that allowed me to work in Hong Kong for two months. The work I completed answered key questions in the Sport and Exercise Sciences. The opportunity to work under the supervision of one of the biggest names in my field, Professor Richard Masters, broadened my mind significantly.



Tawfeeq, PhD Marketing and Strategic Management (2008–2011), from Saudi Arabia

I left my home country with two things: enthusiasm and determination to achieve what I planned for – and I found full support from all academic tutors and the University staff. They became my second family. I was a full-time student at Birmingham Business School (BBS).

I commenced the PhD programme after graduating in 2008. People at the research office are very

supportive, helpful and friendly – and keep research students updated with all events that might be of interest.

Simply, I found exactly what I needed at BBS and was proud to be a student at one of the most well known universities locally and globally. I have persuaded people from my country to enrol at the University of Birmingham.

Lilia, PhD in Chemical Engineering, 2009–12, from Mexico

I was looking for research in fuel cells and hydrogen production; I found that the University of Birmingham is running one of the most successful projects in this subject, so I decided to apply immediately!

During the application process I had a lot of support from staff and lecturers; I'm very thankful for this.

Leaving home for the UK was the most exciting experience of my life! Sometimes I miss home, but when I come to my office and look at my friends, I realise that this is my new home! I really like the way that supervisors and colleagues stimulate students to learn more and more. You can easily discover your skills and develop new ones by attending courses, seminars, networks or meetings.



Welcoming international students

WE HAVE A THRIVING POSTGRADUATE COMMUNITY, COMPRISING STUDENTS FROM OVER 150 COUNTRIES. THE DIVERSE BACKGROUND OF OUR STUDENTS AND ACADEMICS ENSURES THAT YOUR STUDY INCORPORATES THE LATEST THEORIES FROM AROUND THE WORLD.

Based at the heart of the country in the centre of the UK, with outstanding teaching and research capabilities, it is easy to see why so many international students choose to study with us. Birmingham is home to one of the largest multicultural communities outside London and its central location makes it an excellent base for travel, either within the UK or beyond.

We provide you with a strong network of support, from your first enquiry through to graduation.

Advice before you arrive

Our International Relations staff frequently travel overseas to meet and advise students interested in studying in the UK. We attend exhibitions, events, and work with a network of overseas representatives who can provide you with advice and guidance on your application. We also have dedicated officers based in China, Brazil, India and Nigeria. See our country-specific pages on our website for more information www.birmingham.ac.uk/international/students/country/index.aspx

To find out when we are visiting your country, please visit www.birmingham.ac.uk/international/meet/index.aspx

In addition to in-country support from International Relations staff, the International Students Advisory Service (ISAS) provides: comprehensive pre-arrival support which guides students through the visa process; information for students bringing their dependants with them; preparation for coming to and for study in the UK; airport collection booking, and information about activities in the first semester. Staff in ISAS are delighted to help and support you coming to the UK and look forward to meeting you when you arrive. ISAS will also send you emails that will help you start to plan for coming to the UK and much more.

Support while you are here

ISAS has many years' experience working with international students. It understands their worries, concerns, needs and expectations and, as a result, provides professional advice and services to meet them. Support starts with pre-arrival information and continues throughout your studies – supporting with general issues and specialising in immigration, finance and family concerns. ISAS offers an email advisory service, a walk-in guidance service in its reception and confidential one-to-one appointments with an advisor.

Immigration advice and services

ISAS offers immigration advice and information relating to specific immigration categories including Visitors, Student Visitors, Students, Student Dependents, EEA Nationals, non-EEA Family Members and certain employment categories. For a full list of the immigration advice and services offered by ISAS advisors please see the ISAS website. ISAS is the only University department allowed to give immigration advice.

Bringing your family to the UK

ISAS provides support if you're applying for visas for your family members and also provides information to assist families upon their arrival, for example about housing, schools, etc. The comprehensive ISAS guide *Bringing your family to the UK* covers areas such as childcare, healthcare, education and working in the UK, and can be downloaded from the ISAS website. ISAS staff are happy to answer any questions you have.

Finance

The University of Birmingham offers a wide variety of scholarships. The ISAS website has information on sources of funding and scholarships and ISAS can provide advice in the case of financial difficulty.

The University of Birmingham has one of the largest international student communities in the UK.

'The University of Birmingham is a large University where you will find a wide diversity of people from different cultures and you will not feel homesick. In addition, the University's International Relations team eases any difficulty that international students might face.'

Dr Mohamed Samir El-Robh, Doctoral Researcher in Biosciences (graduated 2002), now Associate Professor at King Saud University

Working in the UK

If your visa permits it, and if you would like the experience of working in the UK during your time here, ISAS offers information on working in the UK and about the various work schemes currently available for international students following graduation.

Living in the UK

ISAS provides support to help you settle into Birmingham and University life; including guidance on how to open a bank account, registering with a doctor and the police and details about local shops. More detailed information can also be found on the ISAS website.

Personal and academic support

Some students may need to discuss personal problems that are affecting their studies or their stay in the UK. If this happens to you, you should firstly discuss problems regarding your studies with your personal/welfare tutor or supervisor. Alternatively, ISAS advisors are also available to listen, give you information or refer to more appropriate support areas in the University.

Social activities and development

In order to help new international students settle into life at Birmingham, ISAS runs a five-day orientation programme called Welcome International, held in September. The dedicated week begins with an airport collection service and includes providing you with information about social activities on campus, how you can book on to them and start to meet UK students and make friends during your first weeks in Birmingham. This will help you settle into life at Birmingham. ISAS works with the Guild of Students, Accommodation Services, the Chaplaincy and other key areas to plan and organise social activities throughout the year, which are available to all students. When you arrive you can sign up to our information link and we will keep you informed of activities. We would encourage you to sign up for as many events as possible, as it will be

an opportunity for you to meet new people and see different places in the UK. ISAS also arranges monthly coach trips to cities and places of interest around the UK, advertised in a monthly newsletter.

Postal address

International Students Advisory Service (ISAS)
Division of Student Support and Development
1st Floor, C Block, Aston Webb Building
University of Birmingham, Edgbaston,
Birmingham B15 2TT United Kingdom

Learn more

International Students Advisory Service (ISAS)

Tel: +44 (0)121 414 8464

Fax: +44 (0)121 414 3850

www.as.bham.ac.uk/studentlife/international/index.shtml

English language courses

If your offer is conditional on English language proficiency, satisfactorily completing one of our pre-sessional English courses will mean you do not need to take or retake IELTS or TOEFL. These courses are delivered by the English for International Students Unit (EISU), who offer high quality courses in a friendly, welcoming and supportive study environment. EISU offers a range of academic programmes focused on improving your academic English, strengthening your skills in reading, writing, listening and speaking, as well as developing your study skills. They also offer specialist preparatory business courses.

Learn more

English for International Students Unit (EISU)

Tel: +44 (0)121 414 5697

Fax: +44 (0)121 414 3600

www.eisu.bham.ac.uk

A relationship for life

THE EXPERIENCES YOU HAVE AT UNIVERSITY, ALONG WITH THE FRIENDS YOU MAKE, **WILL LAST A LIFETIME.**



Being a member of our 169,000-strong alumni community gives you even more, ensuring that the benefits of studying at Birmingham extend way beyond your postgraduate studies. Join us and make sure you keep in touch.

The Development and Alumni Relations Office

As a graduate or 'alumnus' of the University, you automatically become part of a worldwide community that brings benefits such as careers support, exclusive discounts, and regular communications. Current and former students are welcome to keep in touch through our social media sites. We have a LinkedIn group (search for University of Birmingham Alumni and Friends), Facebook page (University of Birmingham Alumni) and Twitter feed (@birminghamalum).

The Development and Alumni Relations Office also runs highly successful networking events for those of you working in the same profession to get together and gain further support and advice. Hundreds of our alumni remain actively involved with the University after leaving and volunteer by offering invaluable professional

support and advice, from guest lectures and mentoring to providing work experience placements. Many former students also choose to support the University's Circles of Influence fundraising campaign. This innovative campaign aims to raise £160 million to help change lives at Birmingham and internationally, from fighting cancer in Africa to funding scholarships or providing new facilities on campus such as the proposed sports centre and new University library. For details see www.birmingham.ac.uk/circlesofinfluence

The Careers and Employability Centre

You can continue to access resources and support to help you further your career for one year after graduation. The Careers and Employability Centre (CEC) provide workshops, careers advice, and training. The University also runs an extensive range of professional development programmes.

Learn more

Development and Alumni Relations Office
www.birmingham.ac.uk/alumni



Fact

- Our graduate community comprises over 169,000 alumni in 202 countries around the world
- Alumni have spent 4,200 hours volunteering with the University in the last three years
- Past alumni guest speakers include the influential Chief Executive of Manchester United, David Gill, and George Davies, retailer and creator of Next
- The recently completed Bramall Music Building has been made possible thanks to the generous support of our alumni community, who contributed almost £6 million to the project

'I've lived, learned and gathered a wealth of experiences at Birmingham that have helped me to realise my passions and to discover where my true talents lie.'

Holly, PhD English Literature



'The year I spent in Birmingham was the happiest year in my life. Besides the knowledge and experience, I made some great friendships there, some of which will last forever.'

Yunwa, MSc Marketing, 2007

immerse yourself in the Birmingham experience

Being given the opportunity to travel to Boston, Brussels and Berlin with the University was a mind-blowing experience.

During my time at Birmingham I have been involved in several activities, but representing the University at the Harvard Modern National United Nations debate in Boston was probably the most amazing experience. I had to compete against many students to secure a place on the eight-member delegation that represented the University and being involved was a great personal and professional experience through which I made a lot of new friends. The experience has helped me to grow, not only academically but also as an individual as it taught me to look at life differently and I now understand the workings of the United Nations even better. It has motivated me to know that I can take even greater leaps and bounds, and that this is just the beginning of bigger things to come.

I'm also a member of the African–Caribbean Society where we conduct events to preserve our cultural heritage and to get to know other people from our ethnic background.

It doesn't matter where your interests lie; there are lots of opportunities at the University for you to get involved.

Sonia

Masters in Public Administration





A town within a city

LIFE AT BIRMINGHAM OFFERS YOU THE BEST OF BOTH WORLDS – A PEACEFUL, THRIVING CAMPUS COMMUNITY ON THE DOORSTEP OF ONE OF EUROPE'S MOST DYNAMIC AND CULTURALLY DIVERSE CITIES.

Studying in the shadow of striking architecture on a 250-acre green and leafy site, you'll be inspired to get the most out of your time here. We invest around £1 million a week to ensure our campus offers not only historic architecture but also great facilities designed to give you the best experience.

The campus offers a safe, friendly environment with all the amenities of a small town – with the added benefit of a full-time security team. You'll find shops, bars, cafés, banks, sports facilities and a train station, all within easy reach. An award-winning art gallery, a concert hall, a botanical garden and a museum are among the cultural attractions that make it a place to enjoy.

At a glance...

We lead the field in many of the emerging disciplines of the 21st century such as hydrogen vehicle technology, nanotechnology, gene therapy, robotics and the use of virtual reality in archaeology.

Some of our research facility highlights include:

- A purpose-built **robotics laboratory space** contains a suite of robot research platforms including a B21r, three other mobile platforms, three stereo heads, and a pair of robot manipulators. The laboratory is part of a major new initiative focusing on research in computational neuroscience and cognitive robotics.

- The University hosts the latest **nuclear magnetic resonance technology**, including the UK's only 900 MHz spectrometer and cryogenic probes within the Henry Wellcome Building for Biomolecular NMR Spectroscopy.

Continuing to invest in your future

Our campus is a constant work in progress. We are investing £175 million in key developments including a new sports centre and a new library, to join our new music building.

The prestigious Bramall Music Building was completed in 2012 and provides a state-of-the-art 450-seat concert hall and the most flexible performance space at a UK university. The plans for the sports centre include a 50-metre swimming pool alongside sports halls and training facilities. The proposed library development will provide outstanding resources for a new generation of students and researchers, as well as an open access cultural hub for the University and the city, with services available to the public. The new library forms part of the 'green heart' of the campus and will embrace new and emerging technologies for an enhanced user experience along with a 'cultural gateway' that will allow us to showcase our cultural collections.



'The University is in a unique position. A campus university, with everything you could ever need within easy walking distance, and in a beautiful environment – and yet only ten minutes to the second largest city in the country.'

Mark, Healthcare Leadership and Management

The new Bramall Music Building



The city on your doorstep

BIRMINGHAM HAS BEEN TRANSFORMED INTO ONE OF EUROPE'S MOST EXCITING CITIES. IT IS MORE THAN SOMEWHERE TO STUDY; IT IS SOMEWHERE TO **BUILD A SUCCESSFUL FUTURE.**

When you choose to study at Birmingham, you'll be minutes away from a confident, modern commercial centre. The city is home to the largest financial services and creative sectors outside London and a thriving business community that offers you a wealth of career opportunities.

Away from your studies, the city provides you with the perfect backdrop to relax. Alongside restaurants and bars, Birmingham is a hive of live entertainment, from mainstream contemporary acts at the O2 Academy and National Indoor Arena for music, to the Glee Club for comedy.

The city also boasts one of Europe's finest concert halls, Symphony Hall, home to the City of Birmingham Symphony Orchestra. The Hippodrome Theatre is home to the Birmingham Royal Ballet. The city centre has three other theatres and a number of cinemas, including Star City, an entertainment complex featuring 24 screens with the latest Asian and mainstream films under one roof.

For shopping you are spoilt for choice with the iconic Bullring being one of Europe's largest city centre shopping areas. Birmingham also has four bustling indoor and outdoor markets selling everything from vintage clothes to fresh fruit and

vegetables; while for a real treat you could visit the Mailbox, a unique development which brings together designer fashion and lifestyle shops, luxury apartments, hotels and an array of restaurants and café bars.

The Jewellery Quarter is home to Birmingham's historic jewellery trade, and the area still boasts more than 400 shops to enjoy: the perfect place to pick up a unique piece at a bargain price.

The surrounding area

If you want a break from city living, some of England's most beautiful countryside is within easy reach. The Severn Valley, the Malvern Hills, Ironbridge Gorge (a UNESCO world heritage site) and the picturesque Cotswolds villages are all ideal destinations for a day trip. Nearby Stratford-upon-Avon, Warwick Castle, Kenilworth Castle and the Black Country Living Museum are rich in historical interest. Canals and waterways thread their way through the region, offering a relaxing way to explore its natural landscapes.

There is something for everyone in Birmingham and you will get a warm welcome in one of the most culturally diverse cities in Britain.

Fact

- Close to £9 billion has been invested in the city centre over the past 20 years
- The Bullring is the most visited shopping centre outside London's West End, with more than 150 shops inside the iconic £530 million complex
- There are more than 500 restaurants in Birmingham offering a vast range of international cuisine
- Birmingham was the first city to be awarded National City of Sport status and hosts top level football, cricket, tennis and golf



'This is a great place to live. Birmingham is the best of both worlds. It is well known for being a vibrant city, but less well known for being on the doorstep of some of the most beautiful countryside in England.'

*David, Doctoral Researcher
in Ancient History and Archaeology*



Culture on your doorstep

THERE ARE FEW UNIVERSITIES WITH SUCH **A WEALTH OF CULTURE ON THEIR CAMPUS**. OURS IS ALIVE WITH FINE ART, RENOWNED COLLECTIONS AND PERFORMANCE.

Yet there is more – you'll discover exceptional rare books and archives and many different teaching and research collections, as well as an internationally reputed concert hall that opened in 2012. In and around this we have a vibrant cultural scene led by our students including concerts, student theatre, dance, gigs at the Guild, volunteering and exhibitions for everyone to get involved with.

The collections are here to be savoured and treasured. But the huge range of objects on campus – from Old Master paintings to historic physics instruments – also play a crucial role in our research and teaching. Some collections are housed within academic departments for this reason.

All our students have the opportunity to use these unique collections during their studies. We also run an active volunteer programme involving students from all walks of University life. The projects that students develop provide valuable work experience for anyone interested in developing a career in the museums and heritage sector.

Be part of culture on campus

Culture on campus is here for every student to enjoy and experience whether your passion is music, art, antiquities or zoology.

There are plenty of opportunities for taking part in theatre, music and dance as part of your leisure time. We are proud to have three orchestras, a number of choirs and a huge range of student ensembles, including a brass band, wind band and jazz orchestra.

The Guild of Students offers you the chance to be involved in music theatre, drama, Latin dance, chamber music, hip-hop or circus skills, through its vast range of clubs and societies.

The wide range of cultural events at Birmingham includes concerts by both professional and student performers, not only on campus, but also in major venues in the city. The University boasts a unique alliance with the BBC in the form of the Drama Village, located on our Selly Oak campus, forging links and opportunities for you to develop your skills via this partnership.

There is also the chance to be involved with cultural events within the city, such as Artsfest and Flatpack Festival, showcasing the arts within Birmingham.

To find out more about the collections visit:

www.birmingham.ac.uk/collections

Cultural Intern Scheme

Following a successful pilot project in 2011 to offer five paid intern placements at leading cultural organisations, including the City of Birmingham Symphony Orchestra (CBSO), Birmingham Royal Ballet and Birmingham Museum and Art Gallery, 2012 sees the introduction of five additional placements at more leading companies including the BBC. The scheme is open to recent graduates and provides an opportunity to develop essential knowledge and skills for those looking to develop a career in the cultural sector. This is just one initiative in the University's rapidly expanding cultural partnership programme.



Community Day at Winterbourne House



Winterbourne botanic gardens

'I applied for the internship at Birmingham Museum and Art Gallery because I am particularly interested in a career in museums and galleries. The internship was a fantastic experience that I hugely enjoyed. I was given a lot of responsibility in the museum and it set me up fantastically for the future as I now work at the gallery as an exhibition officer.'

Katie, MA History of Art

The future

Culture at Birmingham is constantly evolving. The new Bramall Music Auditorium opened in 2012 and now provides a splendid new home for our Department of Music and a concert hall on campus.

We are also investing in facilities to improve access to collections. Our collection of historic manuscripts (Special Collections) recently moved to a new state-of-the-art home in the Cadbury Research Library in Muirhead Tower to make them more accessible. In 2011 we also launched our Blue Plaque Trail, which allows you to visit sites of artistic and scientific importance around our campus.

Birmingham is also pioneering research that will make our wealth of cultural artefacts available digitally. A team from the University is creating 3D digital versions of the superb Eton Myers collection of Egyptian Antiquities.

A similar project is also underway to create a digital library of the University's Mingana Collection of Middle Eastern manuscripts.

Our academics are collaborating with the heritage and creative industry sectors to broaden the appeal and scope of cultural learning. The Heritage and Cultural Learning Hub harnesses leading technologies to enhance the ways in which we learn and interact with the past.

Sport



SPORT TAKES CENTRE STAGE AT BIRMINGHAM – NOT ONLY ON THE PLAYING FIELDS BUT **AS AN IMPORTANT PART OF OUR ACADEMIC PORTFOLIO.**

Birmingham has been a consistent top three competitor in British Universities and Colleges Sport for over 15 years, reflecting the quality and dedication of our sports teams, clubs, and the professional staff who support them. We are internationally recognised for our academic excellence in sports science, coaching and psychology.

We undertake outstanding research in sport, exercise and movement across a diverse range of academic disciplines from physical education and dance to sports psychology. Our School of Sport and Exercise Sciences focuses on global health problems like obesity and diabetes as well as training and nutrition for elite sport. We are also world leaders in researching new methods of sports coaching and education with research partners including the Professional Golfers' Association (PGA) and the Football Association (FA). This outstanding research also ensures that our teaching remains cutting edge.



Simon Phelan High Jump Bronze



Sporting fun! Photography: Tom Flathers



Chrissie Wellington Challenge Roth 2011

Birmingham – the best training base

The fastest people on the planet chose Birmingham to complete their preparations for the London Olympics. Team Jamaica, including world champion sprinters Usain Bolt and Yohan Blake, rated Birmingham as their best pre-Olympic training base to-date.



Jamaican Track and Field team training prior to 2012 Olympics



The Priestley Centre in the Lake District

Birmingham has helped nurture its own Olympians

Birmingham has helped nurture its own Olympians. Nine alumni and one current student were selected to represent Team GB at the 2012 Olympics and Paralympics in London. They were: Hannah England – 1500m; Louise Hazel – Heptathlon; Dean Miller – Athletics; Lora Turnham – Cycling; James Fair – Hockey; Naomi Folkard – Archery; Tom Hall-Butcher – Wheelchair Fencing; Pamela Relph and Lindsey Maguire – Rowing, and Dave Webb – Marathon (Dave unfortunately had to pull out due to injury in the last week before the Games).

Facilities

Our campus-based facilities include:

- Fully-equipped fitness suite with extensive free weights area
- Three multi-purpose sports halls
- 25-metre swimming pool
- Seven squash courts (three glass-backed)
- Gymnastics centre
- Dojo (martial arts) room
- Athletics track
- A range of pitches, including water-based, 3G synthetic pitches, and rubber crumb pitches
- Specialised Human Performance Lab offering training assistance, nutritional advice and performance monitoring

Additionally, off campus, the Raymond Priestley Centre in the Lake District provides the opportunity to try a host of outdoor activities including sailing, windsurfing, mountaineering, rock climbing, kayaking and canoeing. We also have a boathouse in Worcester where the rowing club trains on the River Severn.



Artist's impression of the new sports facility

Get involved

At Birmingham sport is for all, from elite performance to general fitness and wellbeing.

- Over 2,500 athletes across 50 sports represent the University and UK in regional, national and international competitions.
- Our Active Lifestyle programme of fitness classes is one of the largest of its kind in the UK and offers such a huge variety of aerobic, toning, holistic and dance classes that you'll be spoilt for choice! Active Lifestyle gives everybody an opportunity to get involved in exercise in a fun and friendly environment. Classes are available to suit all levels so you can try something new or develop existing skills.
- Our award-winning Thrive team also offer free lifestyle assessments and advice on how to get fit and healthy the right way.
- If you prefer to enjoy your sport from the sidelines, events like the annual American Football Xplosion and the Ivy League athletics meeting attract more than 3,000 spectators.
- Birmingham is also a city packed with world-class sport from Premier League football to international athletics, cricket and elite tennis; so you can enjoy great sport whatever your passion.

Investing in sport

The University has recently announced the single biggest investment of its type in new sporting facilities in Higher Education in the UK, including the city's first 50-metre swimming pool, that will help a new generation of students achieve their sporting potential.

Elite sport

We support our student athletes to ensure they achieve personal and team successes at Birmingham. Our athletes achieve in the classroom while their sports performance is supported by exposure to the latest coaching and training principles in nutrition, psychology, physiology and sports medicine. Louise Hazel, who won gold in the Commonwealth Games heptathlon, was a recent sports scholar. Our current scholars include GB hockey star Susie Gilbert and GB cyclist Elle Hopkins.

Accommodation

WHETHER YOU ARE LOOKING FOR UNIVERSITY ACCOMMODATION OR RENTED PROPERTY IN THE PRIVATE SECTOR AT A REASONABLE PRICE, **OUR ACCOMMODATION SERVICES TEAM CAN HELP YOU FIND THE RIGHT PLACE.**

University accommodation for postgraduates is located at the Vale Village, Pritchatts Park Village, Metchley Hall and Mansion Brook – all within walking distance of the main campus. International students who are new to Birmingham are guaranteed a place in accommodation, subject to certain terms and conditions – go to www.birmingham.ac.uk/accommodation for further information.

Pritchatts Park Village

- Residences just ten minutes walk from the main campus
- A social centre that creates a sense of community
- Facilities such as meeting rooms, licensed bar, games room and launderette
- Limited on-site car parking is available

Pritchatts Park comprises accommodation for postgraduate and undergraduate students within walking distance of the University, close to local amenities and excellent travel links to the city centre. Pritchatts Road accommodation offers modern purpose-built studio apartments offering independent living. All studios are fitted to a high standard and fully equipped with everything you need.

The Vale Village

- Residences just 20 minutes walk from the main campus
- A social centre that creates a sense of community

- Facilities such as a licensed bar, pool tables, launderettes and a convenience store
- Limited on-site car parking is available
- Set in a tranquil conservation area surrounded by trees and a lake

Postgraduate students may be assigned to our Aitken accommodation, offering flats with shared bathroom and kitchen facilities for groups of between six and nine students. In addition we have accommodation at Mason offering en suite rooms with shared kitchen facilities for groups of five or six students. We also have studios and apartments in Shackleton building and top floor modern apartments in Mason accommodation.

Metchley Hall

This is a purpose-built modern complex offering a variety of studios located in Harborne. All studios are fitted to a high standard and fully equipped with everything you need – all within walking distance of the University.

Mansion Brook

A modern, purpose-built complex that offers a variety of studios located in Selly Oak. All studios are fitted to a high standard and fully equipped with everything you need. The University is within walking distance and the complex has outstanding transport links to the city centre.



Living in one of our accommodation sites means you'll benefit from no hidden costs because the price includes all your bills, including internet access and basic contents insurance. We've taken the best of student accommodation and created a new kind of living experience, designed with you in mind.

Privately owned purpose-built student accommodation

In order to supplement our stock of University-owned accommodation, we enter into agreements with third party providers. These providers work very closely with the University to ensure that the cost and range of facilities and support provided is similar to what you would receive if living in University accommodation. The Accommodation Services team, based in the LIVING shop in University Centre will manage your application and allocation but you will receive your offer of accommodation, which will include a contract from the private provider. A UK guarantor may be needed for these types of accommodation.

Accommodation for international students

We guarantee a place in accommodation to all international students who are new to Birmingham, as we understand the importance of securing suitable accommodation, particularly when you are getting used to an unfamiliar environment and meeting new people.

This guarantee is subject to the following conditions:

- You must have firmly accepted the offer of a course
- You must have submitted an online application for accommodation by 31 July 2013
- You must be applying for single accommodation (the University also has a limited supply of accommodation for students wishing to bring their families to Birmingham but this cannot be provided on a guaranteed basis)
- You agree to remain in your University accommodation for the full term of your contract



The accommodation available includes rooms in self-catered flats and studio apartments, all of which are located within easy reach of the main campus. We do our best to allocate you to your first choice of accommodation but some places are more popular than others, and we cannot always guarantee that you will get your first choice. However, we will work with you to make sure that you get accommodation that suits you.

'I live in a University-owned house that is reserved solely for postgraduate students. If you are new to the University then this type of accommodation is an excellent means by which to meet fellow students and make friends. I found my accommodation through www.birminghamstudentpad.co.uk. Both University-owned and private sector accommodation is advertised on this website. It is a great resource because all landlords have been checked for their reliability and quality of accommodation. So you won't need to be scared of ending up with an awful landlord or sub-standard room. I definitely recommend using this website to all students who are new to the city.'

Lisa, Doctoral Researcher in Medieval Studies

Private sector accommodation

If you prefer not to live in University accommodation, our Accommodation Services team in LIVING, will help you find something suitable in the private sector. There is a wide range of accommodation available in the local area, including single flats, shared flats, houses for different sized groups, properties for families and lodgings with a residential landlord.

Our team can provide:

- An online search service to provide you with a comprehensive and up-to-date database of private sector properties – see www.birminghamstudentpad.co.uk
- A contract checking service
- Help for students with families



Should you have any difficulties with your private sector accommodation at any time during your time with us, you can contact the Accommodation Services team in LIVING, University Centre for help and advice. Your accommodation information will be sent to you by email as part of your offer pack.

What it costs

University accommodation fees for postgraduate students start from £4,650 for self-catered accommodation, which includes bills such as gas, electricity and water.

For a single room in a shared house in the private sector, you should expect to pay approximately £60–70 per week (bills extra). For students with families, a three-bedroom house can be rented for approximately £500–£750 per calendar month.

Prices given for the private sector exclude gas, electricity and telephone bills, which will cost approximately £90 per month per student/adult household member. You would also be required to pay one month's rent in advance and a deposit equivalent to one month's rent before moving into the house. Information about accommodation will be sent to you with your offer.

Learn more

Further details on all the accommodation available and an online application form can be found at www.birmingham.ac.uk/accommodation

Or follow us on:

Facebook

www.facebook.com/birminghamaccommodation

Twitter

www.twitter.com/livingatbham

Tuition fees

WE WANT YOU TO BE COMPLETELY AWARE OF YOUR FINANCIAL COMMITMENT BEFORE BECOMING A STUDENT AT BIRMINGHAM.
THIS SECTION PROVIDES YOU WITH INFORMATION ON TUITION FEES AND OTHER COSTS INVOLVED IN POSTGRADUATE STUDY.

The University charges an annual tuition fee. This covers the cost of your tuition, examination and graduation, and includes membership of the Guild of Students. Fees are payable when you register for your programme.

When you accept the offer of a place, you are also accepting responsibility for the payment of your tuition fees, even if you are sponsored or in receipt of an award and the sponsor fails to pay. It is therefore very important that you have sufficient funds available to you. Unfortunately, if you fail to pay the fees, you will not be permitted to continue your studies.

The standard annual tuition fees for 2012–13 are listed in the table opposite. Individual programmes may charge a different fee from that quoted. Where this is the case it is made clear in the individual programme description in this prospectus and online at www.birmingham.ac.uk/students/pg

The annual tuition fee is set for a 12-month session, which usually runs from October to the end of September the following year. For doctoral research programmes that begin and/or end mid-session, fees are normally charged on a *pro rata* basis according to the number of months studied within a session. For example, if you are on a 15-month research programme beginning in October 2013, you pay the annual tuition fee in the 2013–14 session, and a further three-twelfths of the tuition fee for 2014–15 from October to December.

Payment methods

You may pay your fees in full prior to or upon registration. Alternatively, you may make monthly or termly instalment payments using the University Direct Debit scheme from a UK bank account.

Where the instalments total more than £4,000, there is a 3% non-refundable administration fee. For more information on the payment options available, please visit www.payments.bham.ac.uk



Postgraduate tuition fees

The fees below are for 2012–13 as more up-to-date charges were not available at the time of going to print (August 2012). Please check with the school or department for the latest fees information before applying.

UK and EU students		
	Taught	Research
Full-time	£4,950	£3,828
Part-time	£2,475	£1,914
Overseas students*		
	Taught	Research
Band A (Clinical)	n/a	£27,510
Band B (Laboratory)	£16,200	£15,150
Band C (Intermediate)	£14,490	£12,930
Band D (Class)	£12,750	£11,730

Research fees also apply to combined research and taught programmes unless otherwise indicated.

*Some courses do not fit these classifications. Confirmation of your course fee will be provided with your offer letter. Your first-year fee will remain constant with no inflationary increase (for normal duration of programme), except for foundation and clinical rates.

UK student visa regulations mean that students classed as overseas for fees purposes may normally only register on a full-time basis.

Other costs

Some departments may levy a bench or extra fee in addition to the tuition fee. You will be notified of any additional fee with your offer of admission.

Doctoral research students who choose or are required to register beyond the minimum period required for their degree, pay the full tuition fee for that period. If your normal period of registration has ended but you have yet to submit your thesis, you are liable to pay a continuation fee (£180 in 2012–13).

You are also expected to meet the costs of printing and binding your thesis in accordance with University requirements. This might be in the region of £300 for a doctoral degree. Remember that tuition fees do not cover living costs such as accommodation, living expenses and the cost of books and (for some programmes) equipment.

International students

The fees you pay depend on whether you are classed as an overseas student for fees purposes. The criteria for definition are set by the British government. In general terms, overseas fees are charged to students who do not have a 'relevant connection' with the United Kingdom and Islands.

You have a 'relevant connection' if:

- You have been ordinarily resident in the UK and Islands throughout the three-year period before 1 September, 1 January or 1 April closest to the start of the first term of your programme, and
- You have not been resident in the UK and Islands during any part of that three-year period wholly or mainly for the purpose of full-time education, and
- You have no time limit or other restrictions on your stay in the UK

The regulations state that the University may not charge overseas fees to 'excepted students'. 'Excepted students' meet one or more of the following definitions:

- Those who have citizenship and residence in a country within the European Union
- Those who have not been ordinarily resident solely because they, or their spouse, or their parents, have been temporarily employed outside the UK or EU (proof of the temporary nature of this employment is required – a fixed-term contract, for example)

Concerned about your fee status?

If you are concerned about your fee status at the time of application you can request a Fee Status Questionnaire from the Postgraduate Admissions Office.

Sources of finance

THERE ARE MANY WAYS TO FINANCE YOUR POSTGRADUATE STUDY. HERE WE TAKE YOU THROUGH WHAT'S AVAILABLE TO HELP YOU **LESSEN THE BURDEN ON YOUR FINANCES.**

Sources of finance available to postgraduate students include grants, scholarships and studentships from research councils, government departments, business and industry, and charities. You should be aware, however, that competition for these awards will be intense.

Loans

A popular means of funding postgraduate study is by taking out a loan. There are a number of loans available, typically with a repayment programme that does not take effect until after graduation. International students need to apply to their country of origin for educational loans.

Learn more

www.birmingham.ac.uk/students/fees/postgraduate/index.aspx
www.birmingham.ac.uk/students/fees/dr/loans-charities.aspx

Statutory funding

Mandatory funding is only available for UK postgraduates in the following study areas:

- Teaching
- Social work
- Nursing (taught programmes)

Learn more

www.direct.gov.uk/studentfinance
www.nhsbsa.nhs.uk/students

Research councils

There are seven grant-awarding research councils covering a range of academic disciplines, awarded to those studying Masters, MRes or PhD programmes.

Competition for research council funding is fierce as the awards provide cover for both fees and maintenance (though applicants from EU countries other than the UK are only eligible to apply for assistance with fees). For more information contact the University's Research Student Administration Officer for Studentships on +44 (0)121 414 2898 or email graduateschool@contacts.bham.ac.uk

Learn more

www.birmingham.ac.uk/students/fees/dr/research-council.aspx
www.rcuk.ac.uk

Charities

Some charities, trusts and foundations offer funds to students who are undertaking particular routes of study and research. A list of organisations offering funding can be found in *The Grants Register*, published annually by Palgrave MacMillan and available from www.palgrave.com/home

Copies are also available at the University Careers and Employability Centre and the Main Library.



University scholarships

We have a number of scholarships available to students, covering both research and taught programmes. Based on academic performance, the awards can be used to assist with tuition fees and in some cases may contribute towards living costs. Competition is intense and the number available varies from year to year. For more details visit www.birmingham.ac.uk/students/fees/postgraduate/scholarships

Earning while you learn

Graduate teaching assistantships

Research students are eligible to apply for teaching assistantships, which enable you to undertake a certain amount of teaching on undergraduate programmes. They provide a welcome additional source of income while also broadening your academic experience. You can get details of the assistantships when you speak to the named contact about your research.

Part-time employment

The Job Zone, based in the Guild of Students, can help you find part-time employment. Hundreds of vacancies are advertised online at www.guildofstudents.com/jobzone Postgraduate students are very welcome to drop in and discuss their employment needs.

The Student Mentor Scheme provides a limited number of places for postgraduate students to provide help and support to other students in University accommodation. Student Mentors live in the residences, thus providing guaranteed accommodation alongside paid work. For more information visit www.guildofstudents.com/studentmentors

Learn more

www.birmingham.ac.uk/students/fees/dr/earning.aspx

The Job Zone, based in the Guild of Students, can help you find part-time employment.

The Access to Learning Fund (ALF)

ALF is a non-repayable, discretionary fund provided by the government in order to assist UK students experiencing financial difficulties. ALF awards range from £100–£3,500. All applications are means-tested and are not guaranteed to be successful. Postgraduate students applying to the ALF need to demonstrate that they have made realistic provision for the funding of their studies through loans, scholarships and sponsorships before commencing their course. Further details can be found at www.birmingham.ac.uk/students/support/moneyadvice/alf.aspx

More detailed information on funding opportunities for postgraduate students can be obtained from our booklet *Sources of Finance 2013: A Guide for Postgraduate Students*. To obtain a copy please contact:

The Distribution Centre
10–12 Castle Road
Kings Norton Business Centre
Birmingham B30 3HZ
Tel: +44(0)121 414 6331
Email: distribution@bham.ac.uk
www.distribution.bham.ac.uk

Making your application

TO APPLY FOR ADMISSION TO A POSTGRADUATE PROGRAMME AT BIRMINGHAM, **PLEASE APPLY ONLINE** VIA THE APPROPRIATE COURSE FINDER PAGE AT www.birmingham.ac.uk/students/courses/postgraduate/index.aspx

If it is not possible for you to apply online, you can request a paper application in exceptional circumstances by emailing: **prospectus@bham.ac.uk**

When to apply

Most taught and combined research and taught programmes start in late September, and you will be informed if the start date of your chosen programme is different. Start dates for doctoral research programmes can be at the beginning of any month apart from July and August.

In general, there are no closing dates for applications to taught programmes or research degrees but you are advised to apply by the end of June for programmes starting in the Autumn term. This is because many of our programmes receive more applications than there are places available. International applicants should also allow time to obtain a visa.

If you are seeking financial support from a research council you should contact our Research Student Administration Officer for details of deadlines via – +44 (0)121 414 2898; graduateschool@contacts.bham.ac.uk

Finding a potential supervisor(s) and identifying your research area (doctoral research only)

You should ensure that the department to which you are applying is able to offer appropriate supervisory support in your relevant research area. Before submitting an application to the University, you will need to identify potential supervisors in your desired field of research and contact them directly about your research proposal.

Here are some tips for finding a prospective supervisor at Birmingham:

- Search for an advertised postgraduate research opportunity via our Doctoral ReSEARCHer pages – www.birmingham.ac.uk/students/courses/postgraduate/findaphd.aspx
- Browse the online course finder research degrees A–Z which identifies research leads by subject area – www.birmingham.ac.uk/students/pg
- Browse our school web pages – most schools provide a list of research active staff and their research interests on their website
- School pages also include instructions on how to approach potential supervisors – follow these guidelines when making a research proposal



'Before applying for a PhD at Birmingham, I contacted the Doctoral Researcher Enquiry Service (DRES) because I was worried about fees and funding. A current PhD student who works in DRES answered my queries, providing me with plenty of additional and useful information about postgraduate studies. His detailed messages, along with my current supervisor's determination and competence, helped me to make up my mind and encouraged me to accept the University's offer.'

*Rebeca, Doctoral Researcher,
Medieval English Literature*

Research proposals

Depending on the programme you choose you may need to submit a research proposal.

If you are applying for research degrees in the College of Engineering and Physical Sciences or the College of Life and Environmental Sciences, where students join an existing research group, we need to know:

- Your research interests (but do not require a detailed proposal)
- Which areas of the College you would like to work in
- The names of one or more potential supervisors

All other subject disciplines require a research proposal detailing your own original idea. The proposal should be between 1,000 and 1,500 words and specify the subject of the proposed research, the body of ideas or theory that will be used, the aim and objectives and the methodological approach to be adopted.

Some combined research and taught programmes also require a research proposal.

Before you apply for a research degree you should:

- Contact the school or department you are interested in to check that they have an appropriate supervisor in the area you wish to undertake research
- Ensure your qualifications meet our entry requirements – see www.birmingham.ac.uk/students/pg/requirements
- Ensure you have sufficient funds to finance your studies – see www.birmingham.ac.uk/students/fees/postgraduate/index.aspx

Applicant portal

When first applying to the University, you will be required to set up a username and password before completing the application. Upon submitting your application, an applicant portal will be created which will allow you to track the progress of your application, submit any additional documents, view your offer letter, accept your offer, and access information relating to your offer.

Supporting documents

When you complete the online application form, you will have the opportunity at the end of your application to upload your supporting documents. This will vary depending on which programme you have applied for and how you have responded to some of the application questions. Usually the following documents are required:

- Two academic references
- Degree transcript(s)



- Personal statement – approximately one side of A4 in length, explaining why you are interested in studying on your chosen programme
- English Language Certificate – if English is not your first language and you have already taken a test
- Research proposal (if appropriate) – see previous page and departmental entries for further information and to find out whether a research proposal is required as part of the application
- Some programmes may require additional information to be submitted (for example, CV or written sample of work) but this will be stated at the end of the application form

About the documents

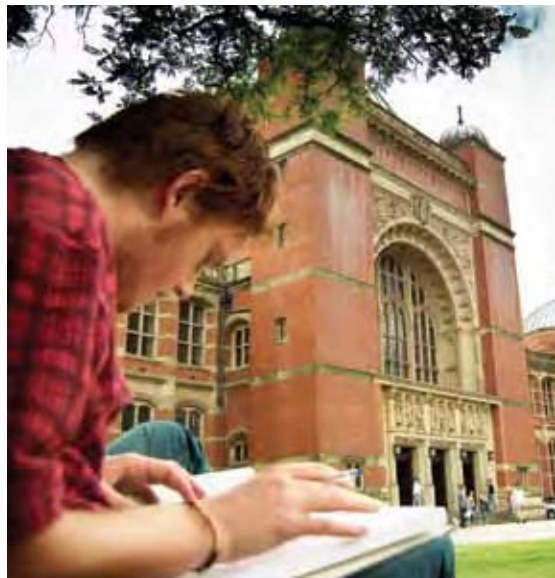
All documents must be in English or have a certified translation. Scanned or photocopied transcripts should have an original certification stamp and be certified by a notary, an organisation such as the British Council, your institution or a University of Birmingham overseas representative in your country. Details of our overseas representatives can be found on our country specific information pages www.birmingham.ac.uk/international/students/country/index.aspx All students are required to bring their original qualification documents with them to the University.

Sending your supporting documents

If you apply using the paper application form, please include, where possible, your supporting documents with the application.

Where to send supporting documents:

The Admissions Office
Aston Webb Building
University of Birmingham
Edgbaston
Birmingham B15 2TT



General entry requirements

Entrance requirements vary for each academic school or department in the University. Full entry requirements for each programme can be found online at www.birmingham.ac.uk/students/pg/

Entry requirements for international students

We accept a wide range of qualifications from across the world. We are happy to provide individual guidance if you are unsure whether your particular qualifications meet our entrance requirements – contact the International Relations Office for more information. Specific information on qualifications from your country can be found at www.birmingham.ac.uk/international/students/country/index.aspx

For entry to all programmes you need:

- To show that you are suitably qualified
- To submit official transcripts of your qualifications – translated into English and showing the subjects and grades obtained
- To satisfy the University's English language requirements

English language requirements

In order to gain full benefit from your studies, you need to demonstrate that you have a high level of written and spoken English. For full information about English language requirements, please visit www.birmingham.ac.uk/international/students/entry-requirements.aspx



Please note:

Entry on to many programmes is highly competitive; consequently we also consider the skills, attributes, motivation and potential for success of an individual when deciding whether to make an offer. After we have received your application you may, if you live in the UK, be invited for an interview or to visit us to discuss your application.

The application process

All applications for postgraduate study are processed through our central Admissions Office and forwarded to the programme selectors in the relevant department for consideration. The Admissions Office will inform you of our decision via your applicant portal, which will be one of the following:

- A conditional offer – the offer of a place is subject to you meeting the conditions stated in the offer letter
- An unconditional offer – you have met all the conditions required for entry
- We are unable to offer you a place

Your offer

If you are made an offer of a place it will be subject to the terms and conditions of the University. These terms and conditions will be included with the offer and relate to a range of issues, for example the fees payable or what the University will do should a research supervisor unexpectedly become unavailable.

As a condition of an offer of a place you may be required to achieve a particular result in your current studies, undertake a preliminary period of study consisting of selected academic work or technical training, or provide evidence of English language proficiency.

Non-EEA international students will need to consider certain immigration requirements when accepting their offer and when preparing for their student visa application. For further advice see www.birmingham.ac.uk/international/index.aspx

Accreditation of Prior Learning (APL)

This is a process by which the University gives credit for learning achieved by an individual before entry to a programme of study:

- Previously assessed and certificated – this learning may have been previously assessed and certificated by an education provider, in which case it is known as 'prior certificated learning'
- Acquired outside formal systems – it may also have been acquired outside formal education and training systems (for example, through work experience) and is therefore known as 'prior experiential learning'

If you feel that you have sufficient qualifications and/or experience to give you partial exemption from a programme of study at Birmingham, you are welcome to make a claim for APL. Please note, however, that you must first make a separate application for admission via the central Admissions Office – for more details about APL see www.admissions.bham.ac.uk/apl

College of Arts and Law

Birmingham –

*shaped
my future*

I really enjoyed studying History of Art at Birmingham. It was an excellent experience and I found the tutors were brilliant and the course was absolutely fascinating.

The biggest challenge was the Exhibition Module, although it really set me up for the future. This part of the MA saw a small group of postgraduates put on an exhibition at the Barber Institute of Fine Arts. It was a lot of work and it was very new for us, as no one had put on an exhibition before. The department and the gallery were really supportive and helped us through the process so that we came out of it with a fantastic experience, which enabled me to get further internships and confirmed to me that I wanted a career in museums and galleries.

Thanks to my experiences in the Department of the History of Art, I have been able to successfully launch my career at the Birmingham Museum and Art Gallery. Birmingham really has set me up for success in the future.

Katie
MA History of Art





Arts and Law

Birmingham Law School

For over 80 years Birmingham Law School has made a major contribution to teaching and scholarship. Our academics are leaders in their fields and the authors of many key works used by practitioners today.

Birmingham Law School is regularly ranked amongst the top Law Schools in the UK and our research has been ranked seventh in the country for world-leading and international excellence in the most recent Research Assessment Exercise. These results underline the School's strength across the legal curriculum, the top-class teaching we provide, and the extent of our contribution to policy making and our understanding of the modern world.

Facilities

The School occupies a prime location in one of the University's original redbrick buildings in the centre of the Edgbaston campus, which offers dedicated research resources, a supportive working environment and employability skills training. Our staff and approximately 1,000 students are housed over three floors of the Law Building, which incorporates the prestigious Harding Law Library.

We have a postgraduate common room, while access to computer facilities is provided in a dedicated postgraduate workroom. The building offers wireless internet access throughout. We also hold seminars on, and offer training in, the development and use of research skills.

All of our postgraduate students become part of – and contribute to – the vibrant international community of the College of Arts and Law Graduate School, which offers dedicated research resources, a supportive working environment and employability skills training. Our team of academic and operational staff are on hand to offer support and advice to all postgraduate students within the College.

Postgraduate study

As well as providing supervision for each project from an experienced member of staff, the School cultivates a friendly and supportive environment for its community of students. We regard doctoral researchers and other postgraduate students as playing an important part in maintaining and strengthening the research traditions of the School, and we are committed to increasing the number of such students and the range of the research that they are undertaking.

Duration of programmes

- PhD – 3 years full-time; 6 years part-time
- MPhil – 2 years full-time; 4 years part-time
- MJur/LLM – 1 year full-time; 2 years part-time
- LLB for Graduates – 2 years

Entry requirements

Candidates for our research degrees are normally expected to have obtained a first- or upper second-class Honours degree or equivalent in Law; although applications from candidates without these qualifications will be considered. For our taught Masters programmes, applicants should have a good Honours degree in Law, or a degree in another discipline augmented with a pass in the Common Professional Examination (GDL), or a corresponding level of achievement in the case of applicants from other jurisdictions. See also 'General entry requirements' on page 68 or contact the Law School.

English language requirements

If your first language is not English you must provide an English language qualification. Please see page 68.

FT Full-time
PT Part-time
DL Distance Learning

Apply online see pages 66–69



Scholarships and studentships

We offer a number of postgraduate teaching assistantships to students who enrol on our research degree programmes: recipients teach up to 75 hours of small group teaching per year on our LLB programmes. The Taught LLM programmes have a range of scholarships each year. Other scholarships may be available. Please see our website at www.birmingham.ac.uk/law for further information.

Fees and funding

Standard fees apply (see pages 62–63) to all programmes.

Starting dates

Programmes start in September 2013.

Learn more

www.birmingham.ac.uk/law

Taught Masters programmes

Birmingham's LLM programmes have been designed to allow in-depth analysis of important legal topics. Modules are all 20 credits in length to enable students to develop significant expertise which will enhance their career prospects. The LLM programme has six taught modules and a dissertation of 15,000 words; the latter to be submitted at the end of the year of study. Full module information and the latest course details, along with videos about our programmes is available online at www.birmingham.ac.uk/llm

Commercial Law LLM

FT PT

This programme develops expertise in a range of English commercial law subjects. Optional modules include: Commercial Conflict of Laws; Company Law; English Law of International Sale of Goods; Financing of International Trade; Health and Safety at Work Law; Marine Insurance, and Maritime Law.

Criminal Law LLM

FT PT

This programme provides a holistic analysis of the criminal process through an analysis of the law, its philosophical underpinnings and its operation in practice. The modules available include: Criminal Law and Medicine; European Human Rights Law; Health and Safety at Work Law; International Criminal Law; Public International Law; Restorative Justice, and Theory of Criminal Law.

Health, Bioethics and Law LLM

FT PT

(subject to approval)

This programme will provide students with the opportunity to study issues and developments concerning health, healthcare, ethics and law, and the inter-relations between these fields. The programme is ideally suited to Law graduates wishing to specialise in health care law in practice and also to people working in the legal professions and health and social care practitioners.

Arts and Law

Birmingham Law School

International Commercial Law LLM

FT PT

This LLM is ideally suited to those wishing to specialise in the international aspects of commercial law, providing a basis for international business transactions and the development of international markets. Optional modules include: Commercial Conflict of Laws; EU Competition Law; Financing of International Trade; International and Comparative Oil and Gas Law; International Investment Law; Marine Insurance; Maritime Law, and The Vienna Sales Convention.

International Law: Crime, Justice and Human Rights LLM

FT PT

This programme is ideally suited to those students wishing to specialise in international law. The School has a leading reputation for excellence in its research and teaching in this area and the modules available on the LLM in International Law draw on these strengths. Optional modules include: European Criminal Law, European Human Rights Law, Human Rights and Criminal Justice, International Human Rights Law, Law of International Organisations, International and European Legal Responses to Terrorism, Public International Law, Theory of Criminal Law, and Transnational Criminal Law.

International Law, Ethics and Politics MA

FT PT

(subject to approval)

This programme introduces you to the issues around law, global ethics and political theory, with particular emphasis on international human rights law and European law. Choosing from a wide range of optional modules, you will be able to apply your knowledge to a number of problems such as poverty reduction; international trade; war and terrorism; climate change; and democracy. Dissertation and non-dissertation routes are available, and the programme also includes a placement module, which is assessed by a 6,000-word report.

Contact: Professor Tom Sorell – t.sorell@bham.ac.uk

LLM (General)

FT PT

The ideal programme if you wish to gain Masters-level knowledge and skills without limiting yourself to a single branch of law. Modules available include all of those available on the other LLM programmes plus modules such as Advanced Political and Legal Theory.

For all of the LLM programmes contact:

The LLM Programme Secretary –
+44 (0)121 414 6290; law-llm@bham.ac.uk

Taught conversion programmes

LLB for Graduates

FT

This two-year programme allows non-law graduates to gain a full Law degree. It is popular with both UK and international students. The LLB for Graduates provides:

- Opportunities for in-depth study of a broad range of legal subjects
- A choice of optional specialist modules in areas such as company law, family law, healthcare law, human rights law, public international law, or international sale of goods
- An Honours degree qualification

If you are intending to qualify as a barrister or solicitor, this degree gives you exemption from the academic stage of the Bar Standards Board and Solicitors Regulation Authority examinations in England and Wales, provided you pass all the foundation subjects. The LLB for Graduates also counts towards legal qualifications in many other countries.

Contact: The LLB Programme Secretary –
+44 (0)121 414 6290; law-llb@bham.ac.uk
www.birmingham.ac.uk/M990

Entry to this programme is made via UCAS
www.ucas.com (UCAS code: M990)

FT Full-time
PT Part-time
DL Distance Learning

Apply online see pages 66–69



Doctoral research programmes

Law PhD/MPhil/MJur

FT PT DL

The 2008 Research Assessment Exercise confirmed our excellent reputation for doctrinal, empirical and theoretical research, particularly in the fields of commercial law, criminal law, criminal justice, judicial administration, European law, public law, human rights, international law, private law, restitution, conflicts of law, international economic law, comparative law, health and social welfare, socio-legal studies and legal theory. Many of our research students have obtained academic careers in the top law schools in the country.

For a full list of the research interests of our academic staff and areas which we may be able to offer research supervision in, please see our staff profiles at www.birmingham.ac.uk/law

Arts and Law

Institute of Archaeology and Antiquity

The Institute focuses its research in the areas of:

- Classics (including reception studies)
- Ancient History (including Egypt and the Ancient Near East)
- Archaeology (British, Classical, European, landscape and environmental)
- Byzantine, Ottoman and Modern East Mediterranean history and culture (including Modern Greek and Balkan studies)
- Heritage Management (including building conservation)
- Virtual and digital technologies

Facilities

All of our postgraduate students become part of – and contribute to – the vibrant international community of the College of Arts and Law Graduate School, which offers dedicated research resources, a supportive working environment and employability skills training. Postgraduate research students are given access to a workspace with a computer, printing, and copying facilities and our academic and operational staff are on hand to offer support and advice to all postgraduate students within the College.

We have an outstanding research collection in the University Library, with strong holdings in periodicals and other scholarly publications, including those in relevant European languages, and subscriptions to all major online databases and e-resources. Our students have access to the IAA Museum, which holds some 1,700 artefacts, mainly from classical antiquity. We benefit from access to the Barber Institute's collection of Roman and Byzantine coins – one of the largest in the world – and we host the Eton Myres collection of Egyptian antiquities.

If your interests are in late antiquity, the medieval Balkans or modern Greece, your research will be supported by the excellent specialist library housed in the IAA's Whitting Room. We have dedicated environmental archaeology laboratories, and benefit from the facilities of the renowned Ironbridge Institute, a world centre for Heritage Management and Historic Environment Conservation run jointly by the Ironbridge Gorge Museum Trust and the University; situated in the Ironbridge Gorge World Heritage Site in Shropshire.

Postgraduate study

We encourage you to attend conferences on subjects related to your research interests (financial support is available for research students' expenses), and to participate in our lively interdisciplinary seminar series (some of which are run by our postgraduates). We enable advanced research students to broaden their skills through appropriate training in teaching skills and, where possible, through offering the chance to gain experience in teaching. In addition, our annual postgraduate colloquia provide training in oral presentation skills and the professional dissemination of research within an interdisciplinary environment.

If you wish to apply for a research programme (PhD and MA by Research/MRes), we recommend that you contact potential supervisors in advance of applying. We welcome telephone or Skype conversations where face-to-face interview is impractical.

Duration of programmes

- PhD – 3 years full-time; 6 years part-time
- MA by Research – 1 year full-time; 2 years part-time
- MRes – 1 year full-time; 2 years part-time
- MSc – 1 year full-time; 2 years part-time; 4 years modular
- MA – 1 year full-time; 2 years part-time
- MA by distance learning – 24 months part-time
- Certificate by distance learning – 1 year part-time
- Diploma – 9 months full-time; 21 months part-time
- Certificate – 9 months part-time

Entry requirements

We admit students for research training or professional training programmes with a good first degree (or appropriate professional experience) in a related subject. If you wish to pursue a research programme, you will need a sufficient background in your chosen field and we can offer additional training through our range of MRes programmes as appropriate. See also 'General entry requirements' on page 68.

English language requirements

Standard English language requirements apply (see page 68).

FT Full-time
PT Part-time
DL Distance Learning

Apply online see pages 66–69



Scholarships

Scholarships may be available. For further information visit the scholarships section of our website www.birmingham.ac.uk/calgs or email financialsupport@bham.ac.uk

Fees and funding

For current fee information, please visit the online prospectus.

Starting dates

Most programmes start in September 2013. PhD study may also start at alternative dates; please contact the IAA Director of Postgraduate Programmes – iaa-pg@bham.ac.uk or your potential supervisor to discuss whether different start dates can be accommodated.

Learn more

www.birmingham.ac.uk/iaa

Taught programmes

Antiquity MA with pathways

FT PT

This innovative programme offers a choice of eight pathways; the pathway chosen will define the title of the MA awarded. The pathways cover the full range of subjects associated with study of the ancient world and offer intensive preparation for further and interdisciplinary research. You receive professional skills training and the chance to enrich and develop your understanding of the societies of the ancient world. You take an exciting range of taught modules and a research a topic of your own choice for a 15,000-word dissertation.

Pathways available are:

■ Ancient History

This pathway focuses on the concept of the individual in history, exploring what personality and individual consciousness might have represented through the study of a range of literary and historical texts, primarily focusing on the first century BCE onwards.

■ Byzantine Studies

This provides the methodologies essential to the study of Byzantium through source materials such as images, documents, historical narratives, coins, seals or inscriptions

and explores the possibilities and limitations of each. The study of subjects such as archaeology, art history, gender or the history of a period offer opportunities for applying multidisciplinary approaches to your chosen dissertation topic.

■ Classics

This takes Herodotus's extraordinary travelogue/history of the interaction between Greeks and Persians, as a way of exploring Mediterranean identity, and assessing the literary and stylistic features of one of the most influential and controversial Classical authors.

■ Classical Archaeology

This studies approaches to the archaeology of Greece from prehistory to the Roman period and opens up contemporary developments in the theory and practice of archaeology.

■ Egyptology

This explores the key period from 1100–200 BCE, covering the dramatic shifts in power and ideology as Pharaonic Egypt clashed with Persia, with Alexander the Great, and finally came into contact with the new superpower: Rome.

■ European Archaeology

This explores the complex societies of the Iron Age and Roman and early medieval periods in temperate Europe, 1000BC–AD1000, and their interaction with the state societies and empires of the Mediterranean world. Key themes include state formation, elite society, cultural and political change, trade and urbanism.

■ Late Antiquity

This pathway explores the transformation of the Roman World in the period AD300–700. It examines major debates about the period tackling historical, textual, archaeological and art historical material. These debates will be examined through case studies focusing on the city as a venue for change and continuity and as an arena for political, social and religious display and competition.

■ Roman History and Archaeology

The cities of the Roman world provide a touchstone for tackling the material, cultural and historical traces of one of the world's greatest empires. Case studies focus on the interdisciplinary study of textual and archaeological evidence.

Contact: Institute of Archaeology and Antiquity Director of Postgraduate Studies – iaa-pg@bham.ac.uk

Arts and Law

Institute of Archaeology and Antiquity

Medieval Studies (Byzantine Studies pathway) MA **FT PT**

This programme offers an excellent chance to study the Middle Ages at an advanced level. It offers you the chance to study a discipline-specific pathway whilst gaining interdisciplinary skills, providing you with a solid grounding for your further studies or future career. Our collective expertise is very wide, covering the whole medieval period from c.300 to c.1500, and all the countries of western Europe, Scandinavia, China and of the eastern Mediterranean. You will study three core modules and three optional modules, then complete the programme with a 15,000-word dissertation. The other MA Medieval Studies pathways can be found on pages 79, 88 and 95.

Heritage Management programmes

Our Heritage Management programmes are taught at the Ironbridge Institute, run jointly by the Ironbridge Gorge Museum Trust and the University, and draw on the experience of one of the largest independent museums in Britain. They provide advanced vocational qualifications in heritage management for those who wish to enter this sector. They equip you with the skills needed for museums work, conservation and regeneration, the management of historic buildings and landscapes, and cultural tourism. These programmes have proved successful in providing both entry qualifications and continued professional development in these fields. They have a strong reputation in the sector and are linked where appropriate to the relevant National Occupational Standard for Archaeology.

For further information about our Heritage Management programmes contact Mrs Janice Fletcher – j.p.fletcher@bham.ac.uk

Heritage Management MA/Diploma **FT**

This programme is appropriate for people working or planning to work in conservation and recording agencies, museums, tourism, environmental education, archaeology and landscape design and planning. You will study an introductory module, Understanding Heritage, followed by four core modules, and attend a one-week residential study school. MA students will also complete a 15,000-word dissertation.

Heritage Management

MA/Certificate by distance learning

FT PT DL

This programme provides advanced vocational qualifications in heritage management for those seeking qualifications in this sector. It equips you with the skills needed for museums work, conservation and regeneration, the management of historic buildings and landscapes, and cultural tourism. This programme mirrors the on-campus programme, including five modules and a one-week study school in each year; to gain a certificate you study three of these modules. MA students will also complete a 15,000-word dissertation.

Historic Environment Conservation MA/Diploma

PT

This programme has a strong practical element and is delivered through a series of weekend workshops throughout the year. Two compulsory modules: Management and Project Design, and Basic Concepts in Conservation, cover key skills such as the ethics and philosophy of conservation, the legislative background, project management and the financing of conservation projects. You also select six optional practical conservation workshops from a choice of ten that provide a detailed introduction to conservation techniques and approaches. MA students will also complete a 15,000-word dissertation.

Heritage and Identity

MA/Diploma/Certificate by distance learning

PT DL

Heritage is the key to identity. Whilst most heritage programmes focus on built or buried remains, our programme looks at the idea that heritage is much more than a solid building, but groups of people and communities. It will let you explore the complex ways in which heritage actively contributes to the construction of identities in societies, providing an idea of heritage and identity across different continents and cultures. To gain a Certificate, you study three core modules; at the end of the first year you will be invited to attend a five-day study tour, which is not assessed, where you will examine the issues raised in your studies. To gain a Diploma, you study three core modules plus three optional modules, while MA students complete six modules plus a 15,000-word dissertation.

FT Full-time
PT Part-time
DL Distance Learning

Apply online see pages 66–69



Archaeology programmes

For further information about our Archaeology programmes contact the Director of Postgraduate Programmes – +44 (0)121 414 5497; iaa-pg@bham.ac.uk

Archaeology

MA/MSc/Diploma/Certificate with pathways

FT PT

Our Masters, Diploma and Certificate programmes in Archaeology offer a choice of four dedicated pathways in Cultural Archaeology, Landscape Archaeology, Environmental Archaeology and Professional Archaeology and Heritage. The pathway chosen defines the title of the qualification awarded. These programmes give you unique opportunities to pursue your own interests in an innovative environment, and to build the precise skill-set and knowledge base you need to support both future research and professional aspirations in archaeology and related heritage sectors. You take an exciting range of taught modules and, if you're completing an MA or MSc, produce a 15,000-word dissertation on a topic of your own choice.

Pathways available are:

■ Cultural Archaeology MA

This focuses on cultural interpretation in archaeology, both in relation to specific cultures or periods and current research themes, with opportunities to specialise in British and European prehistory, Mediterranean archaeology, and medieval Europe. It is an ideal foundation for doctoral research in all fields of cultural archaeology, as well as training in practical and research skills for careers in archaeology and heritage.

■ Environmental Archaeology MSc

This will equip you with a comprehensive grounding in the theory and practice of environmental archaeology, the reconstruction of past landscapes and archaeological approaches to understanding and managing future environmental change. This pathway offers specific training for careers in environmental archaeology and management, and preparation for doctoral research.

■ Landscape Archaeology MA

This will allow you to develop a thorough knowledge of current approaches to the investigation and interpretation of past landscapes. This pathway is ideal for research preparation and as a basis for career development in archaeology and heritage.

■ Professional Archaeology and Heritage MA

This pathway provides you with advanced training in professional archaeology and related heritage professions as a basis for developing a career in archaeology or preparing for doctoral research. This programme is suitable for both existing practitioners and new students.

Landscape Archaeology, GIS and Virtual Environments

MA/Diploma by distance learning

PT DL

This two-year distance learning programme gives you a thorough knowledge of current approaches to the archaeological investigation and interpretation of past landscapes. This programme is ideal if you require a foundation for further research or a vocational qualification. You will study four core modules on landscape archaeology, GIS, spatial analysis, and field survey. In addition, you will choose two optional modules from a range of topics including virtual environments, geophysical survey, Holocene landscapes and material culture studies. MA students will also complete a 15,000-word dissertation.

Medieval Studies (Medieval Archaeology pathway) MA **FT PT**

This programme offers an excellent chance to study the Middle Ages at an advanced level. It offers you the chance to study a discipline-specific pathway whilst gaining interdisciplinary skills, providing you with a solid grounding for your further studies or future career. Our collective expertise is very wide, covering the whole medieval period from c.300 to c.1500, and all the countries of western Europe, Scandinavia, China and of the eastern Mediterranean. You will study three core modules and three optional modules, then complete the programme with a 15,000-word dissertation. The other MA Medieval Studies pathways can be found on pages 78, 88 and 95.

Arts and Law

Institute of Archaeology and Antiquity

Professional and Applied Archaeology

MA/Diploma by distance learning

PT DL

This two-year distance learning programme provides intensive training in professional archaeology for both existing practitioners and students aiming to develop a career in archaeology. You will study four core modules on professional archaeological practice, project planning and management and field survey. In addition, you will choose two optional modules from a range of topics including geophysical survey, virtual environments, Holocene landscapes and material culture studies. MA students will also complete a 15,000-word dissertation.

Combined research and taught programmes

Our MRes programmes provide an individually tailored package of taught modules (totalling 60 credits) with the opportunity to carry out in-depth research on a topic of your choice, assessed in the form of a 20,000-word dissertation.

Archaeological Practice MRes

FT PT

Leading to a research qualification, this programme provides a basis for both doctoral study and career development through specialisation in archaeology and heritage and cultural environment professions. Potential areas for research include: British and European prehistory; the archaeology of the Roman World; Late Antiquity and Greece; along with a host of thematic areas such as landscape, environment, death and burial, age and gender, and warfare.

Contact: Paul Garwood – p.j.garwood@bham.ac.uk

Byzantine Studies MRes

FT PT

This programme is intended for students who have a background in Byzantine Studies and, normally, some knowledge of Greek. Taught elements provide an opportunity to deepen knowledge of Byzantium through a range of modules in archaeology, art, history, literature and numismatics as well as providing essential methodological skills.

Contact: Dr Ruth Macrides – r.j.macrides@bham.ac.uk

Classics MRes

FT PT

Those undertaking this degree will typically have a BA in some area of classical or ancient historical studies and some experience of ancient language study. It offers a unique opportunity to deepen and develop your knowledge of classical antiquity by combining a 20,000-word dissertation with research training and taught elements. You may also draw upon the range of optional modules available in the MA in Antiquity (page 77).

Contact: Director of Postgraduate Programmes – iaa-pg@bham.ac.uk

Cuneiform and Ancient Near Eastern

Studies MRes

FT PT

This programme introduces the Akkadian and Sumerian languages and the cuneiform script within the context of the history and culture of the Ancient Near East. It provides the chance to undertake significant research – in the form of a 20,000-word dissertation – on an original topic within Ancient Near Eastern studies.

Contact: Dr Alasdair Livingstone – a.livingstone@bham.ac.uk

Egyptology MRes

FT PT

For those with a proven knowledge of Egyptology, this degree offers the opportunity to deepen and develop expertise in this subject area. The taught elements centre on a seminar course on Egyptian religion and intensive study of Egyptian language and scripts.

Contact: Director of Postgraduate Programmes – iaa-pg@bham.ac.uk

Greek Archaeology MRes

FT PT

If you have a good grounding in the field of your proposed research, this programme will give you essential training in method and practice in the Greek context. Including a research methods taught module and two modules in appropriate subject areas, the programme aims to complement your existing knowledge and inform your chosen research topic.

Contact: Director of Postgraduate Programmes – iaa-pg@bham.ac.uk

FT Full-time
PT Part-time
DL Distance Learning

Apply online see pages 66–69



Modern East Mediterranean History MRes

FT PT

This degree offers the chance to explore key aspects of East Mediterranean history in the 19th, 20th and 21st centuries, with a focus on the study of primary evidence. Special emphasis is put on the causes and consequences of Great Power intervention in the region. Taught elements provide the context and skills needed to conduct independent research into a region which includes the Balkans, the Middle East and North Africa. Applicants will typically have a background in the study of history of this era.

Contact: Dr Steven Morewood – s.morewood@bham.ac.uk

Modern Greek Studies MRes

FT PT

This MRes introduces you to recent developments in the areas of Modern Greek language, literature, history and culture, culminating in the production of a 20,000-word dissertation. It trains you to conduct supervised research and provides a solid grounding in scholarship in Modern Greek Studies.

Contact: Professor D P Tziouvas – d.p.tziouvas@bham.ac.uk

Ottoman Studies MRes

FT PT

This programme introduces you to the state of the field in current research on Ottoman history, cultural studies and allied disciplines. It also provides appropriate training in the use of original sources, both narrative and documentary, in Ottoman Turkish. Applicants will typically have a background in studying the history of this era.

Contact: Dr Rhoads Murphey – r.murphey@bham.ac.uk

Doctoral research programmes

Archaeology and Antiquity PhD/MA by Research

FT PT DL

Research areas:

■ Classics and Ancient History

We offer you an exceptionally wide range of opportunities across these disciplines, including Ancient Near Eastern Studies and Egyptology. Subject to programme requirements, you can also learn or improve your knowledge of Classical and Byzantine Greek, Latin, Ancient Egyptian, and the languages of the Ancient Near East.

■ Archaeology, Heritage and Environment

We offer research in all areas of our expertise in Archaeology and Heritage Management. These include: Classical archaeology; Conflict archaeology; Environmental archaeology and palaeoenvironments; Heritage management and historic environment conservation; Landscape Archaeology; GIS systems and virtual environments; Funerary Archaeology; and Pre-historic archaeology.

■ Byzantine, Ottoman and Modern Greek Studies

We offer a broad range of Eastern Mediterranean and Balkan history and culture from the Byzantine to the modern period, whether your interests are historical, art historical, archaeological or literature-based.

To explore the full range of academic research interests of our staff please visit www.birmingham.ac.uk/iaa

Arts and Law

School of English, Drama, and American & Canadian Studies

AMERICAN AND CANADIAN STUDIES

We are one of the most respected departments of American and Canadian Studies in the world and ranked in the top five in the *Guardian* 2013 university league table. We are committed to excellence in teaching, and our staff and postgraduate students are at the forefront of interdisciplinary research into literature, culture, history, film and television, politics and international relations.

Facilities

All of our postgraduate students become part of – and contribute to – the vibrant international community of the College of Arts and Law Graduate School, which offers dedicated research resources, a supportive working environment and employability skills training. Our postgraduate research students are given access to a workspace with a computer, printing, and copying facilities and our team of academic and operational staff are on hand to offer support and advice to all postgraduate students within the College.

The University Library is one of the largest academic libraries in the country, with a book stock of some 2 million volumes and 3 million manuscript and archival items. It has very good holdings in most fields of American and Canadian literature, history, and film/video. Since 1997, there has been significant investment in primary documents: notable amongst the acquired collections is the Declassified Document Reference System, the premier source for research on US foreign policy since 1939.

The Richard Shackleton Room houses our rapidly expanding collection of videos, DVDs, books and journals for students to borrow in support of their research. It has 4,000 hours of primary archival material on US- and Canada-related matters. The Department also has its own digital editing suite and a technician to assist students with their audio visual projects.

Postgraduate study

Our programmes are challenging and rewarding and offer the opportunity of gaining a highly respected qualification. When you enrol on one of them you join our intellectual community of postgraduate students, which regularly meets for both academic and social occasions. You will find them readily open to new members.

Duration of programmes

- PhD – 3 years full-time; 6 years part-time
- MA by Research – 1 year full-time; 2 years part-time
- MRes – 1 year full-time; 2 years part-time
- MA – 1 year full-time; 2 years part-time

Entry requirements

See 'General entry requirements' on page 68.

English language requirements

Standard English language requirements apply (see page 68).

Scholarships and studentships

Scholarships may be available. For further information, visit the scholarships section of our website www.birmingham.ac.uk/calgs or email financialsupport@bham.ac.uk

Fees and funding

Standard fees apply to MRes and doctoral research programmes (see pages 62–63). For current taught programme fees, please visit the online prospectus.

Starting dates

Programmes start in September 2013.

Learn more

www.birmingham.ac.uk/acs

FT Full-time
PT Part-time
DL Distance Learning

Apply online see pages 66–69



Taught programmes

Film and Television: Research and Production MA **FT PT**

This is the new title for the long established and very popular MA in History, Film and Television. Although history is still very much an element of teaching and research on the course, this new name reflects the opportunities available on the MA to study and work within the film and television industries. The programme introduces you to a career in the media and combines rigorous academic training in research skills and methodology with technical and vocational training in designing, researching and editing programmes. It also includes a unique 12-week work placement in the media industry.

Contact: Dr James Walters – j.r.walters@bham.ac.uk

Transatlantic Studies MA **FT PT**

The transatlantic relationship between North America, Britain and Europe will be the focus of significant debate in the future. This programme provides you with a transatlantic understanding of Atlantic cultural and political relations. Options include topics such as international history and diplomatic relations, cultural relations and foreign policy, intelligence studies and global history.

Contact: Dr Helen Laville – h.laville@bham.ac.uk

Literature and Film MA **FT PT**

This interdisciplinary programme explores key approaches to film and contemporary literature, from the late 19th century to the present day, with an emphasis on their critical, ideological and aesthetic practices. You'll gain an understanding of film and literature in their cultural and historical contexts and the optional modules allow you the flexibility to choose areas that interest you the most, so you have freedom to work on literature or film or work equally on both.

Contact: Dr Michele Aaron – m.aaron@bham.ac.uk

Combined research and taught programmes

Film Studies MRes **FT PT**

Giving you a critical and evaluative understanding of film within an interdisciplinary context, this programme encourages you to understand the role of film and cinema within a range of socio-cultural arenas. Forging the links between film theory and film practices, cultural politics and state or foreign policy, it will also allow you to assess the notion of film as a social process engaging with issues of representation, production and consumption.

Contact: Dr Michele Aaron – m.aaron@bham.ac.uk

US Foreign Policy MRes **FT PT**

Linking the study of US diplomacy and policymaking to a broader appreciation of US society and culture, our US Foreign Policy degree is designed for students preparing for a PhD and those seeking a career in diplomacy, business, or other fields.

Contact: Dr Steve Hewitt – s.r.hewitt@bham.ac.uk

Doctoral research programmes

American and Canadian Studies

PhD/Audio Visual PhD/MA by Research

FT PT DL

Research areas:

- Film studies; queer theory, ethics and spectatorship; Jewish cultural studies; identity and representation; representations of death

Contact: Dr Michele Aaron – +44 (0)121 414 5750;
m.aaron@bham.ac.uk

- 19th- and 20th-century US literature and culture;
 African-American studies; 1950s US and the Beats

Contact: Professor Dick Ellis – +44 (0)121 414 5509;
r.j.ellis@bham.ac.uk

Arts and Law

School of English, Drama, and American & Canadian Studies

- Late 19th- and early 20th-century American literature and art, especially the movement between realism and modernism; American visual culture – including genre painting and illustration, documentary art and photography

Contact: Dr John Fagg – +44 (0) 121 414 7812;

j.m.fagg@bham.ac.uk

- 20th-century North American literature (especially Canadian fiction); Canadian studies; gender studies in a Canadian context; contemporary print cultures/reading studies (UK and North America)

Contact: Dr Danielle Fuller – +44 (0)121 414 6611;

d.fuller@bham.ac.uk

- Canadian history and politics; North American security and foreign policy

Contact: Dr Steve Hewitt – +44 (0)121 414 6634;

s.r.hewitt@bham.ac.uk

- Gender and international history; civil rights; American women's history; Cold War film and history

Contact: Dr Helen Laville – +44 (0)121 414 5737;

h.laville@bham.ac.uk

- Social/cultural history; African–American history (especially slavery); popular culture (especially commercial entertainment); 19th-century history

Contact: Dr Robert Lewis – +44 (0)121 414 5745;

r.m.lewis@bham.ac.uk

- 20th-century US diplomatic and political history; history and the media; propaganda; US intelligence services; Anglo–American and US–European relations

Contact: Professor Scott Lucas – +44 (0)121 414 5763;

w.s.lucas@bham.ac.uk

- Film aesthetics; television studies; Hollywood cinema; authorship; fantasy and fictional worlds; performance; production communities; children's media

Contact: James Walters – +44 (0)121 414 8333;

j.r.walters@bham.ac.uk

- 20th-century American literature and art, African–American artists and abstraction; contemporary US fiction

Contact: Dr Sara Wood – +44 (0)121 414 5681;

s.k.wood@bham.ac.uk

DRAMA AND THEATRE ARTS

We provide a dynamic environment in which students, scholars and theatre practitioners can work together to achieve a new breadth and depth in the study of drama. Our department benefits from Birmingham's exceptional resources for theatre research, as well as the University's links with world-class theatre in Birmingham, Stratford-upon-Avon, London and beyond.

Facilities

All of our postgraduate students become part of – and contribute to – the vibrant international community of the College of Arts and Law Graduate School, which offers dedicated research resources, a supportive working environment and employability skills training. Our team of academic and operational staff are on hand to offer support and advice to all postgraduate students within the College.

The department is located on the picturesque Selly Oak campus, a short distance from the main Edgbaston campus, and offers extensive facilities for drama students.

Our technical and production modules are taught in the George Cadbury Hall (which includes a high definition cinema facility and a purpose-built theatre that recently underwent a £1 million refurbishment), and the Gillett Centre (which includes a full-size gymnasium space for dance and physical theatre training). Additional amenities for drama students include the state-of-the-art Orchard Learning Resources Centre with its own well-stocked library.

Research facilities include the Noël Coward Archive, the John Galsworthy Papers, the Barry Jackson Papers and the Charles Parker Collection. The main University Library also has first-class collections in British, Classical, European, Irish and American drama. In addition to these main collections, the Barber Institute of Fine Arts is home to important and comprehensive holdings for the study of music, drama, opera, dance and theatre. The University's Shakespeare Institute in Stratford-upon-Avon also contains an extensive library and a good range of research resources.

Learn more

www.birmingham.ac.uk/acs

- FT** Full-time
PT Part-time
DL Distance Learning

Apply online see pages 66–69

Birmingham Central Library houses the Birmingham Shakespeare Library; some 45,000 items, including a large collection of playbills, translations and adaptations of Shakespeare's works into more than 90 languages.

Postgraduate study

We offer unique opportunities for the study of theatre in terms of text, history, theory and practice, and work in partnership, where appropriate, with practitioners in the professional theatre. You will have opportunities to publicly present practice-based research in the George Cadbury Hall, supported by our professional technical and production staff, or be supported in making the necessary links to present work off campus in appropriate locations around the city.

Duration of programmes

- PhD – 3 years full-time; 6 years part-time
- MA by Research – 1 year full-time; 2 years part-time
- MRes – 1 year full-time; 2 years part-time

Entry requirements

See 'General entry requirements' on page 68. Also see individual programme entries for additional requirements or visit our online prospectus.

English language requirements

Standard English language requirements apply (see page 68).

Scholarships and studentships

Scholarships may be available. For further information, visit the scholarships section of our website www.birmingham.ac.uk/calgs or email financialsupport@bham.ac.uk

Fees and funding

Standard fees apply (see pages 62–63).



Starting dates

Most programmes start in September 2013, although dates can be negotiated for the PhD. The MRes in Playwriting Studies and Directing and Dramaturgy have application deadlines – contact the Department for details.

Learn more

www.birmingham.ac.uk/drama

Combined research and taught programmes

Directing and Dramaturgy MRes

FT PT

This programme emphasises the directing and 'authoring' of creative processes, which will enable you to work theoretically and practically from conventional directing of text to dramaturgical practice in the development of both text-based and devised theatre. It provides professional development and recognised vocational skills, as well as opportunities to develop collaborations in the creative industries. You will complete three taught modules, which will develop a range of creative practices and build specific skills within a rigorous analytical framework, and produce a dissertation portfolio, which will comprise a substantial work of creative practice and a related 10,000-word thesis.

The practical element will draw on expertise within the department and connections with performance creators, companies and organisations. There will be the opportunity to undertake work placements as part of the independent research component of the degree, through the Department's network of professional contacts and partnerships.

Drama and Theatre Studies MRes

FT PT

This programme provides you with a conceptual and methodological foundation in drama and theatre studies that supports your own independent thesis projects. You take three modules of taught coursework to support your independent 20,000-word research thesis. The flexibility to design training suited to your own research is a central feature of this degree, and is particularly helpful to students pursuing interdisciplinary and cross-disciplinary theses.

Arts and Law

School of English, Drama, and American & Canadian Studies

Playwriting Studies MRes

This is Britain's leading programme dedicated to the craft of the dramatist. You are taught by some of the key practitioners in drama through tutorials, workshops and seminars. Professional playwrights and other practitioners are invited to lead classes and discuss their work in colloquia outside the classroom. It is an intensive course encouraging you to think critically about dramatic writing and put these insights into practice in your own plays. The programme is assessed by an original and complete work for the stage, accompanied by a 6,000-word critical analysis.

Contact for the MRes programmes: Dr Rose Whyman, Director of Postgraduate Studies in Drama – +44 (0)121 414 6005; r.whyman@bham.ac.uk

Doctoral research programmes

Drama and Theatre Studies PhD

FT PT DL

Research activity is led by staff and our traditional research strengths lie in: Shakespearean performance and adaptation; Victorian and Edwardian theatre; the history of film; popular theatre; Russian theatre; playwriting and actor training; theatre and science; and contemporary theatre.

Current research interests include:

- Shakespearean performance and adaptation; Victorian and Edwardian theatre; the history of film
- Popular theatre; contemporary and historical popular entertainment; music theatre; contemporary theatre making and music performance; multi-media performance
- Performance techniques, contemporary theatre theory and practice, and contextual studies of theatre in the areas of political and cultural theory
- Playwriting; British new writing; art and globalisation
- Russian and East European theatre; Anton Chekhov; Stanislavski; Meyerhold and Michael Chekhov, actor training and science
- Modern and contemporary British theatre
- European and American theatre
- Acting and directing
- 20th-century adaptations of Greek tragedy

FT Drama and Theatre Studies Practice-based PhD

FT PT

This innovative programme allows academic research to be conducted through practical experimentation, such as the investigation of processes of theatre making or the practical application of particular aesthetic theories. It provides a unique opportunity for you to specialise in a particular area of practice (dramaturgy, playwriting, or performance – which includes directing) and prepares you for your chosen profession. It is important that students wishing to apply for the practice-based PhD submit detailed information about how they intend to cover the costs incurred in pursuing the chosen field of practice beyond the facilities and space which the Department can allot. (Intending applicants should bear in mind that the range of taught Masters and undergraduate programmes means that such resources are in considerable demand).

For further information and specific enquiries please contact: Dr Rose Whyman, Director of Postgraduate Studies in Drama – + 44 (0)121 414 6005; r.whyman@bham.ac.uk

ENGLISH

We are one of the leading centres for the postgraduate study of English in the UK, offering expert teaching and research supervision to postgraduates across practically the entire historical and conceptual range of English language and literature.

Facilities

All of our postgraduate students become part of – and contribute to – the vibrant international community of the College of Arts and Law Graduate School, which offers dedicated research resources, a supportive working environment and employability skills training. Our postgraduate research students are given access to a workspace with a computer, printing, and copying facilities and our team of academics and operational staff are on hand to offer support and advice to all postgraduate students within the College.

- FT** Full-time
PT Part-time
DL Distance Learning

Apply online see pages 66–69

We have many well-established resources to draw on and continue to recruit scholars at the forefront of that rethinking of English studies that makes research in the field so intellectually rewarding. Many of our able doctoral students move on to successful academic careers of their own.

Our postgraduate English language programmes are delivered by the Centre for English Language Studies (CELS). Students on a number of these programmes will be introduced to the 400 million-word Bank of English corpus, an invaluable collection of authentic language data. All students and researchers working with CELS also have free access to the Cobuild Direct corpus, and, where necessary, training in how to use this.

Duration of programmes

- PhD – 3 years full-time; 6 years part-time
- MLitt – 2 years full-time; 4 years part-time
- MA by Research – 1 year full-time; 2 years part-time
- MRes – 1 year full-time; 2 years part-time
- MA/Diploma – 1 year full-time; 2 years part-time
- Sandwich and modular PhDs in Applied Linguistics – 4–6 years part-time

Entry requirements

We welcome applications from candidates with a good Honours degree in English, or equivalent. See also 'General entry requirements' on page 68.

English language requirements

Standard English language requirements apply (see page 68).

Scholarships and studentships

Scholarships may be available. For further information, visit the scholarships section of our website www.birmingham.ac.uk/calgs or email financialsupport@bham.ac.uk

Fees and funding

For current fee information, please visit the online prospectus.

Starting dates

Most programmes start in September 2013.



Taught programmes

Applied Corpus Linguistics MA

FT PT

This flexible programme allows you to study corpus linguistics applied to other language areas, such as teaching and learning, translation or discourse analysis. A 15,000-word dissertation allows you to develop a particular area of interest in greater depth.

Contact: Postgraduate Administrator, Ms Sheila Brady – s.a.brady@bham.ac.uk

Applied Linguistics MA

FT PT DL

This programme is intended for anyone interested in the application of language research to language pedagogy, and for teachers of English who wish to upgrade their professional standing. You take a range of taught modules and complete a 15,000-word dissertation.

Contact: Postgraduate Administrator, Ms Sheila Brady – s.a.brady@bham.ac.uk

Critical Discourse, Culture and Communication MA

FT

This programme is intended for those who wish to upgrade their professional and academic standing in critical discourse studies, media studies, and/or inter-cultural communication. It is particularly suitable for students/researchers who want to move into higher education, journalism, and research into the role of communication in media and society. You take six taught modules and write a 15,000-word dissertation.

Contact: Postgraduate Administrator, Ms Sheila Brady – s.a.brady@bham.ac.uk

Creative Writing MA

FT PT

This programme is for students who have completed an undergraduate degree containing some creative writing or for graduates with considerable experience in writing creatively and who wish to proceed to a career or further study in this area. You will receive instruction and experience across a range of writing types, including new media, collaborating with other students across genres before specialising in either fiction, poetry, screenwriting or playwriting for your dissertation.

Contact: Dr Richard House – r.house@bham.ac.uk

Arts and Law

School of English, Drama, and American & Canadian Studies

English Literature MA

Drawing on our extensive international research expertise, this programme develops your critical skills in the field of English literary studies. It provides a solid grounding in the key intellectual debates on a range of period and context specialisms and develops skills required for writing a dissertation. Alongside two core modules, you will also choose four optional modules from a range covering a variety of authors and themes from the medieval period to the 20th century. You will also complete a 15,000-word dissertation.

Contact: Professor Claire Preston – c.e.preston@bham.ac.uk

FT PT

Medieval Studies (Medieval Literature pathway) MA

FT PT

Our Medieval Studies programme offers an excellent chance to study the Middle Ages at an advanced level, and the Medieval Literature pathway focuses specifically on key resources and methods for literary work in the medieval period. You will study three core modules and three optional modules from a wide range, with opportunities to study a variety of materials including literary texts, manuscripts and church art. You will complete the programme with a 15,000-word dissertation. The other MA Medieval Studies pathways can be found on pages 78, 79 and 95. Contact: Professor Wendy Scafe – w.l.scafe@bham.ac.uk

Literature, Culture and Modernity: Victorian and Modernist MA

FT PT

This MA explores the literary and cultural forms and movements that emerged in the decades around 1900, as industrialisation, urbanisation and other forces of modernity reshaped society. It enables the in-depth study of specific authors and texts associated with particular moments, such as *fin de siècle* decadence or the politically committed modernism of the 1930s, and offers a breadth of perspective by moving across periods that are often artificially divided. Core, option, and research skills modules are grounded in the study of English literature but also facilitate transatlantic and interdisciplinary approaches.

Contact: Dr John Fagg – j.m.fagg@bham.ac.uk

Teaching English as a Foreign/Second Language (TEFL/TESL) MA

FT PT DL

This programme is intended for those interested in a career in English language teaching and for teachers of English who wish to upgrade their professional standing. As with the other MA programmes, you take six taught modules and write a 15,000-word dissertation. For related programmes in TEFL/TESL, please see the School of Education (Social Sciences) entry on page 216. Contact: Postgraduate Administrator, Ms Sheila Brady – s.a.brady@bham.ac.uk

Literary Linguistics MA

FT PT

This programme explores the language of literary texts from many angles, drawing on linguistic description and insights. You will acquire an understanding of stylistic theory and methodology while studying the role of grammar, semantics and pragmatics in the reading of literary texts. You will also study narratology, applied to prose fiction and film, in depth. In addition we look at exciting new approaches in stylistics: multimodal analysis, cognitive poetics, and corpus stylistics.

Contact: Dr Melanie Evans – m.evans@bham.ac.uk

Special Applications of Linguistics MA

FT PT

This programme is intended for new graduates and others with an interest in linguistics. You take six taught modules, including describing language, the social and psychological aspects of language, discourse culture and communication, and research methods in applied linguistics. You also write a 15,000-word dissertation.

Contact: Postgraduate Administrator, Ms Sheila Brady – s.a.brady@bham.ac.uk

FT Full-time
PT Part-time
DL Distance Learning

Apply online see pages 66–69



Translation Studies MA

FT PT DL

The Translation Studies MA is an interdisciplinary degree offered between the departments of Modern Languages and English. It is intended for students who are proficient in English and any other language and would like to start a career as professional translators, for translators who would like to further develop their skills in areas such as translation technology, and for graduates in languages or linguistics who are interested in translation and cross-cultural communication as an area of study. It also provides excellent preparation for further study at PhD level.

Contact: Postgraduate Administrator, Ms Sheila Brady – s.a.brady@bham.ac.uk

Combined research and taught programmes

Applied Linguistics PhD with Integrated Study

This programme builds on our research strengths in linguistics, incorporating subject knowledge, research training and the development of transferable skills. It encourages doctoral research participation in the work of three vibrant centres: the Centre for Corpus Linguistics, the MOSAIC Centre for Research on Multilingualism and the Centre for English Language Studies.

Contact: Dr Nicholas Groom – n.w.groom@bham.ac.uk

Corpus Linguistics MRes

FT PT

This MRes aims to develop your interest in the use of corpora and provides research training in corpus linguistics. It is suitable if you have a professional interest in language, have studied language at university and want to extend your knowledge, and if you have an interest in language and computers and wish to bring these disciplines together. You take three taught modules and write a 20,000-word dissertation.

Contact: Dr Nicholas Groom – n.w.groom@bham.ac.uk

Literature and Modernity MRes

FT PT

Offering an opportunity to pursue higher-level study of literary texts and aesthetic debates from the late 19th and early 20th centuries with a focus on the concepts of Aestheticism, Decadence and Modernism, this programme consists of three

taught modules designed to enhance your knowledge and understanding of literary texts and cultures between 1870 and 1940. It provides solid grounding in the key critical scholarship on Victorian Modernity and Modernism and develops skills for writing a 20,000-word research thesis.

Contact: Dr Jim Mussell – j.mussell@bham.ac.uk

Medieval Studies MRes

FT PT

This programme offers opportunities to engage in the advanced study of Medieval English texts (or another medieval literature and culture), with options to explore links between medieval writing, cultural production and social processes. Study modules provide the framework for a 20,000-word thesis.

Contact: Professor Wendy Scase – w.l.scase@bham.ac.uk

Doctoral research programmes

English Language and Applied Linguistics

PhD/MLitt/MA by Research

FT PT DL

Our principal areas of research expertise are:

- Corpus Linguistics – our work here incorporates interests in linguistic theory and language description, including descriptive translation and contrastive studies, phraseology and the lexis–grammar interface, and in the application of corpus investigation techniques to areas such as translation, lexicography and diachronic language study. Corpus techniques also underpin much of our work in discourse studies and in language learning.
- Discourse Studies – we focus on themes such as narrative analysis, critical discourse analysis, translation studies and social theory, and on topics such as literary stylistics, workplace discourse, academic discourse, evaluation, and multi-modal discourse.
- Language Learning – our research incorporates corpus approaches to phraseology, lexis and grammar, and discourse approaches to academic literacies. We also focus on applications of cognitive linguistics, and the acquisition of metaphor in the context of English as a global language.

Contact: Dr Alison Sealey – a.j.sealey@bham.ac.uk

Arts and Law

School of English, Drama, and American & Canadian Studies

English Literature PhD/MLitt/MA by Research

FT PT DL

We are interested in proposals for research in almost all areas of literary study. The following summary indicates our principal areas of research expertise:

■ **Medieval English (for example, Old English, Chaucer, Langland, Lollard writing, Reformation writing and medievalist writers such as Tolkien)**

Our specialisms include editing, print production, bibliography, manuscript studies, non-manuscript verbal cultures of the Middle Ages, and relations between medieval verbal and visual cultures

■ **Early Modern (for example, Browne, Daniel, Donne, Jonson, Marlowe, Middleton, Milton, Shakespeare, Spenser)**

Our focus on drama extends into the reception of the dramatists in later periods, and runs alongside work on cultures of manuscript, print and 17th-century women's writing

■ **Restoration, 18th century and Romantics (for example, Goldsmith, Johnson, Pope, Swift, Wordsworth)**

We focus on reading literary works in their historical and cultural contexts, with special interests in the editing of texts, in language and lexicography and in reception of the medieval, and in gender

■ **19th- and 20th-century and contemporary (for example, J G Ballard, Dickens, Conrad, T S Eliot, Wyndham Lewis, Zadie Smith)**

We have a particular focus on the period 1830–1940 (especially Victorianism and Modernism, literature and science, periodisation and historiography) and on Postmodernism, Cultural Theory, Postcolonialism, and Film (especially psychoanalysis, nationhood, space and place, Black British and British Asian writing, gender and sexualities, and literary and cultural studies)

■ **Creative writing**

We offer the opportunity to work with published writers in a thriving, research-active environment across a range of disciplines, including: poetry; short story; novel writing; and screenwriting.

THE SHAKESPEARE INSTITUTE

Situated in Stratford-upon-Avon – within walking distance of Shakespeare's birthplace, school and grave, and the theatres of the Royal Shakespeare Company (RSC) – The Shakespeare Institute offers postgraduate students and scholars an academic experience unrivalled by any other university.

Facilities

Your learning resources are all around you. We have the extensive resources of The Shakespeare Institute Library (a renowned collection of international importance), the library of the Shakespeare Centre that curates the archives of the Royal Shakespeare Company, and the RSC itself. You also have access to the outstanding picture collections, records and library holdings of The Shakespeare Birthplace Trust. The Institute is housed in 17th- and 18th-century buildings, which retain their domestic atmosphere, providing a working environment where learning spills over beyond formal tuition into play-readings in the lounge, performances in the lecture hall, and discussion and debate in the common room, kitchen and extensive gardens and grounds.

All of our postgraduate students become part of – and contribute to – the vibrant international community of the College of Arts and Law Graduate School, which offers dedicated research resources, a supportive working environment and employability skills training. Our team of academic and operational staff are on hand to offer support and advice to all postgraduate students within the College.

Postgraduate study

The Institute provides an intense learning experience in which you will contribute to the advancement of the study of Shakespeare, from a range of perspectives, with the support and encouragement of staff, all of whom are respected academics in their own field. You will have the opportunity to explore the work of Shakespeare and the drama of his time, broader aspects of early modern culture and literature, its subsequent cultural significance and performance on stage and screen.

Please view our website at www.birmingham.ac.uk/english for further details of our interests and staff.

Contact: Dr Deborah Longworth – d.l.longworth@bham.ac.uk

FT Full-time
PT Part-time
DL Distance Learning

Apply online see pages 66–69



Study options

Our programmes may be studied full-time or part-time and we offer pathways that include a two-week summer school, three long weekends at approximately monthly intervals, one day a week during a semester (ten days in total), and a distance learning option. The MA is awarded to those completing the dissertation; otherwise you receive the Diploma for completing the modules. Contact the Institute for further information.

Learn more

The Shakespeare Institute
 Mason Croft, Church Street,
 Stratford-upon-Avon, CV37 6HP
 +44 (0)1789 293138
shakespeare@bham.ac.uk
www.birmingham.ac.uk/shakespeare

Duration of programmes

- PhD – 3 years full-time; 6 years part-time
- MLitt – 2 years full-time; 4 years part-time
- MA by Research – 1 year full-time; 2 years part-time
- PhD with Integrated Study – 4 years full-time; up to 8 years part-time
- MA/Diploma – 1 year full-time; 2 years part-time

Entry requirements

You should possess a good Honours degree or equivalent. See 'General entry requirements' on page 68, and individual programme entries for additional requirements.

English language requirements

Standard English language requirements apply (see page 68).

Scholarships and studentships

Scholarships may be available. For further information, visit the scholarships section of our website www.birmingham.ac.uk/calgs or email financialsupport@bham.ac.uk

Fees and funding

Standard fees apply to all programmes (see pages 62–63), except for MA Shakespeare and Theatre and MA Shakespeare and Education; for current fee information for these programmes please visit the online prospectus.

Starting dates

Most programmes start in September/October 2013.

Taught programmes

Shakespeare and Creativity MA/MFA

FT

(subject to approval)

This new programme has a unique focus on Shakespeare and creativity and is designed to offer a credible qualification to actors, directors and arts administrators, as well as those with an interest in the academic or theatrical study of Shakespeare. You will benefit from access to the unrivalled resources of Shakespeare's Stratford, involving expert tuition from the Shakespeare Birthplace Trust and the RSC, as well as a partnership with the new Library of Birmingham. You will study four core modules and two optional modules supplemented with a 15,000-word dissertation for MA students and a practice as research project for those on the MFA track.

Contacts: Professor Ewan Fernie – e.fernie@bham.ac.uk

Shakespeare and Education MA/Diploma

FT PT DL

Particularly appropriate for practising teachers, this unique, modular course offers you the opportunity to enhance your expertise in different aspects of Shakespeare's work. You study three core modules, three optional modules, and complete a 15,000-word dissertation. The flexible structure allows you to study in a wide variety of ways and through a range of pathways, including a distance learning option. Please note: with the exception of distance learning, not all modules are available through all pathways every year. The schedule of delivery allows access to all modules through a range of pathways over any three-year period.

Contact: Dr Erin Sullivan – e.sullivan@bham.ac.uk

Arts and Law

School of English, Drama, and American & Canadian Studies

Shakespeare and Theatre MA/Diploma

FT PT DL

This innovative programme enables you to focus on how Shakespeare's plays work in performance. It encourages an historical approach to interpretation and styles of presentation, and promotes the value of close reading as the basis for evaluating the plays on the page, stage and screen. You can also study how the textual history of Shakespeare's plays influences performance today. You study two core modules, four optional modules and complete a 15,000-word dissertation. This programme is available to study by distance learning.

Contact: shakespeare@bham.ac.uk

Shakespeare, Stratford-upon-Avon and the Cultural History of Renaissance England MA

FT PT

Taught jointly with the School of History and Cultures, this interdisciplinary programme invites you to understand Shakespeare's works in the context of the society for and within which he was writing. It is taught by English literature scholars and historians, whose areas of expertise range from local history, court politics, gentry culture and the English Reformation to textual criticism and the history of Shakespeare in performance. You are required to produce a 15,000-word dissertation.

Contact Dr Tara Hamling – t.j.hamling@bham.ac.uk

Shakespeare Studies MA

FT PT

This programme offers an unrivalled opportunity for the study of Shakespeare at graduate level. It develops a critical but appreciative understanding of Shakespeare's contribution to literary and theatrical history, and the place his works occupy in today's cultural landscape. The programme is made up of two modules that engage in critical analysis of Shakespeare's works, two modules on textual study and research skills, and two modules you select from options on performance study and other topics. You will also complete a 15,000-word dissertation on a topic of your devising.

Contact: Dr Martin Wiggins – m.j.wiggins@bham.ac.uk

Combined research and taught programmes

Shakespeare Studies PhD with Integrated Study

FT PT

This is an innovative programme combining taught coursework with a full-length doctoral thesis, allowing you to combine a broad foundation in Shakespeare studies and its research methods through taught and assessed coursework, with the full research training and experience of the traditional PhD. The flexibility to construct a portfolio of training suited to your own needs is a central feature of this degree.

Contact: shakespeare@bham.ac.uk

Shakespeare and Creativity PhD with Integrated Study

FT PT

(subject to approval)

This new programme places a unique emphasis on Shakespeare and Creativity. It combines taught modules from the Shakespeare and Creativity MA/MFA with a full-length doctoral thesis and provides you with access to the unrivalled resources of Shakespeare's Stratford, involving expert tuition from the Shakespeare Birthplace Trust and the RSC, as well as a partnership with the new Library of Birmingham.

Contact: Professor Ewan Fernie – e.fernie@bham.ac.uk

- FT** Full-time
PT Part-time
DL Distance Learning

Apply online see pages 66–69



Doctoral research programmes

Shakespeare Studies PhD/MLitt/MA by Research **FT PT DL**

Research areas include:

- Shakespeare in performance; Shakespeare in culture since 1623; Shakespeare and opera; the writings, representation and reputation of Elizabeth I; notions of authorship and nation; the representation of Shakespeare

Contact: Professor Michael Dobson – m.dobson@bham.ac.uk

- Bibliography, editing, textual criticism, textual theory, Renaissance theatre culture and print culture, and Shakespeare's contemporary dramatists

Contact: Professor John Jowett – j.d.jowett@bham.ac.uk

- Literature and experience, religion, philosophy, and creativity; Shakespeare and poetry; Shakespeare in conjunction with great art and thought from other times and places

Contact: Professor Ewan Fernie – e.fernie@bham.ac.uk

- The full corpus of dramatic works written in the British Isles, and by British authors overseas, between the English Reformation and the English Revolution

Contact: Dr Martin Wiggins – m.j.wiggins@bham.ac.uk

- Acting, directing and dramaturgy, in the context of (but not limited to) early modern drama

Contact: Dr Jacquelyn Bessell – j.bessell@bham.ac.uk

- Medical and religious beliefs in early modern England, in particular their intersection; the body and metaphor, illness narratives, early modern life writings, the history of human experience; Shakespeare's cultural legacy

Contact: Dr Erin Sullivan – e.sullivan@bham.ac.uk

- Cultural history, visual arts and material culture of early modern Britain; Medieval and Early Modern Material Culture

Contact: Dr Tara Hamling – t.j.hamling@bham.ac.uk

The extent of your research thesis will vary according to the type of research degree undertaken: MA by Research thesis – 40,000 words; MLitt thesis – 60,000 words, and PhD thesis – 80,000 words.

Contact: The Shakespeare Institute – shakespeare@bham.ac.uk

Arts and Law

School of History and Cultures

The School of History and Cultures in Birmingham consists of the Department of History and the Centre of West African Studies, both of which offer possibilities for exciting taught and research postgraduate degrees. If your interests are as a historian, we have a large and vibrant community of researchers covering a broad range of time periods, geographical areas and themes – including war/the military, the environment, and cultural history. If your interests are as an Africanist, then we can offer you the unique experience of sharing our research culture in African Studies, developed over almost 50 years now.

HISTORY

We have expertise in supervising modern British and European History; a diverse range of interests centred around the early modern period in Britain and Europe, including close links with the Shakespeare Institute in Stratford; the medieval, including Franks, Saxons, Normans and Vikings, not to mention Moors, and we have recently extended our geographical range to include medieval China, to 18th- and 19th-century India, and the 20th-century genesis of the Middle East.

Facilities

All of our postgraduate students become part of – and contribute to – the vibrant international community of the College of Arts and Law Graduate School, which offers dedicated research resources, a supportive working environment and employability skills training. Our postgraduate research students are given access to a workspace with a computer, printing, and copying facilities and our team of academic and operational staff are on hand to offer support and advice to all postgraduate students within the College.

Researchers are also supported by the excellent resources of the University Library including a rich collection of modern British political papers, including those of two former Prime Ministers, Neville Chamberlain and Anthony Eden (Lord Avon). Research seminars give staff and postgraduate students the opportunity to present their findings, discuss methods and results, and hear papers from visiting scholars.

Duration of programmes

- PhD – 3 years full-time; 6 years part-time
- MA by Research – 1 year full-time; 2 years part-time
- MRes – 1 year full-time; 2 years part-time
- MA – 1 year full-time; 2 years part-time

Entry requirements

See 'General entry requirements' on page 68.

English language requirements

Standard English language requirements apply (see page 68).

Scholarships and studentships

Applicants for a full-time Masters (Research) History programme are eligible for the Pearson Scholarship. For further information email financialsupport@bham.ac.uk

Fees and funding

Standard fees apply to MRes and doctoral research programmes (see pages 62–63). For taught programmes, please see fees quoted in the online prospectus.

Starting dates

Programmes start in September 2013.

Learn more

www.birmingham.ac.uk/history

Taught programmes

Air Power History Theory and Practice MA

PT

This programme explores a wide variety of air power issues and debates and is open to students from all backgrounds including the armed forces, industry, students from other disciplines and those who seek to expand their knowledge of this exciting subject within a structured academic environment. You study six compulsory taught modules and complete a supervised 15,000-word dissertation. The programme is delivered on a flexible part-time basis over two years, allowing you to fit your studies around other commitments.

Contact: Air Cdre (Ret'd) Dr Peter Gray – p.w.gray@bham.ac.uk

FT Full-time
PT Part-time
DL Distance Learning

Apply online see pages 66–69



British First World War Studies MA

PT

This programme is unique in its focus on the Great War. It provides an opportunity to study this most compelling and controversial conflict in depth. It focuses on the challenges posed by the war to the British state, the British Army and British society, and on the evolving ways in which these challenges were met – or not met.

Contact: Professor Gary Sheffield – g.d.sheffield@bham.ac.uk

British Second World War Studies MA

PT

This programme provides an opportunity to study this immense conflict mainly through the British experience, although it also compares this with that of allies and enemies alike. It focuses on the challenges posed by war to the state, army, society, and the man and woman on the street, and on the evolving ways in which these challenges were met – or not met.

Contact: Dr Jonathan Boff – j.f.boff@bham.ac.uk

Contemporary History MA

FT PT

This programme allows you to benefit from the expertise of a very large number of modern and contemporary historians at Birmingham. It approaches contemporary history as a global phenomenon and offers a wide variety of modules on world history in the 20th century. You'll be able to specialise on many areas of British, American, African, South Asian, Middle East and European History. It also provides ideal preparation for PhD research.

Contact: Dr Benjamin Thomas White – moderncontemporary@contacts.bham.ac.uk

Cultural Heritage of Shakespeare's England MA

FT PT

This interdisciplinary programme examines how we understand, market and present the cultural heritage of Shakespeare's England. You consider what the relationship is between Shakespeare's fame, the way his plays are staged and the stories we tell about the rich legacy of buildings and objects that remain from this exceptional period of history. You will also have the opportunity to undertake a term-long work placement with a local heritage organisation, gain invaluable research skills training and complete a final research project. You will complete a 15,000-word dissertation on an agreed topic that relates to the historical or literary culture of the period.

Contact: Dr Tara Hamling – t.j.hamling@bham.ac.uk

History of Christianity MA

FT PT

This is an interdisciplinary programme involving staff from a number of departments each providing a different area of expertise in the subject. Our range of expertise covers all periods and includes Catholic, Orthodox, Protestant and African Independent branches giving you a rich variety of options and a range of dissertation possibilities. It is also an excellent route for those wanting to go onto further study such as PhD research.

Contact: Dr David Gange – d.j.gange@bham.ac.uk

See also *Theology and Religion* – page 115

History of Warfare MA

FT

This new and distinctive full-time MA programme provides you with an opportunity to study the history and historiography of warfare from a multi-disciplinary and multi-period perspective. A thorough grounding is provided in research methods and in the historiography and economics of warfare, while a wide choice of options complements the broad range of possible dissertation subjects that can be supported by our staff.

Contact: Dr Michael Snape – m.f.snape@bham.ac.uk

Medieval Studies (Medieval History pathway) MA

FT PT

Our Medieval Studies programme offers an excellent chance to study the Middle Ages at an advanced level. It offers you the chance to study a discipline-specific pathway while gaining interdisciplinary skills, providing you with a solid grounding for your further studies or future career. Our collective expertise is very wide, covering the whole medieval period from c.300 to c.1500, and all the countries of western Europe, Scandinavia, China and of the eastern Mediterranean. You will study three core modules and three optional modules, then complete the programme with a 15,000-word dissertation. The other MA Medieval Studies pathways can be found on pages 78, 79 and 88.

Contact: Dr Miriam Müller – m.muller@bham.ac.uk

Arts and Law

School of History and Cultures

Military History MA

(subject to approval)

This two-year distance learning programme offers you the opportunity to explore military history, drawing on Birmingham's expertise in the history of the two world wars and air power. Subjects to be studied include command and leadership; tactics, operations and the use of technology; ethics and war; and the individual's experience of war. You will complete the MA with a 15,000-word dissertation on a topic of your choice.

Contact: Jonathan Boff – j.f.boff@bham.ac.uk

PT DL

economic and social history, or if you have already studied in this area and wish to improve your skills. It is recognised by the Economic and Social Research Council as providing the requisite research training for a PhD so you can apply for funding for the MA to be the first (training) year of a four-year PhD.

Contact: Dr Gavin Schaffer – g.schaffer@bham.ac.uk

Renaissance, Reformation and Early

Modern Studies MA

This programme combines the approaches of religious, social, cultural and political historians to take a fresh look at the Renaissance and Reformations in Britain and Europe during the 16th and 17th centuries. It is taught by leading scholars whose expertise covers the cultural and religious landscape of the pre-Reformation church, New World discoveries, the Catholic Reformation in Europe, and the political and cultural worlds of 16th- and 17th-century England.

Contact: Dr Margaret Small – m.small@bham.ac.uk

FT PT

West Midlands History MA

PT

This part-time programme covers the history of the region from the 11th century to the end of the 20th. It does not aim for a complete century-by-century coverage but will allow you to examine a series of major themes in depth and develop detailed knowledge of social, political, industrial, religious and cultural history. The programme is delivered by Saturday schools and teaching takes place via presentations, seminars, small group work and field trips. You will also complete a 15,000-word dissertation on a topic of your choice.

Contact: Dr Malcolm Dick – m.m.dick@bham.ac.uk

Shakespeare, Stratford-upon-Avon and the Cultural History of Renaissance England MA

(taught jointly with The Shakespeare Institute)

This interdisciplinary MA invites you to understand Shakespeare's works in the context of the society for which and within which he was writing. It is taught by English literature scholars and historians, whose areas of expertise range from local history, court politics, gentry culture and the English Reformation to textual criticism and the history of Shakespeare in performance (also see page 91).

Contact Dr Tara Hamling – t.j.hamling@bham.ac.uk

FT PT

Social Research (Economic and Social History) MA

FT PT

This programme provides research training that will prepare you to undertake research in the field of economic and social history. Its particularly useful if you want to convert to the study of

Combined research and taught degrees in History consist of four elements: the thesis; two core modules; or one core and one optional module; and a research training module. The 20,000-word thesis, which you work on throughout the academic session, counts for 120 credits out of a total 180.

In the first semester you take a core module on Historical Methods. The second semester then allows you to complete a module focusing on methodological issues specific to the particular MRes programme. Classes meet for two hours each week and you write two assessed essays. Each of these modules is worth 20 credits.

Finally, there is a Research Training module, which varies according to your interests and requirements, but includes bibliographical training and some training in IT. In addition, linguistic, palaeographical, quantitative methods and other training are offered.

Combined research and taught programmes

FT Full-time
PT Part-time
DL Distance Learning

Apply online see pages 66–69



Early Modern History MRes

FT PT

Contact: Professor Richard Cust – r.p.cust@bham.ac.uk

Medieval History MRes

FT PT

Contact: Dr Miriam Müller – m.muller@bham.ac.uk

Modern European History MRes

FT PT

Contact: Professor Corey Ross – c.d.ross@bham.ac.uk

Twentieth Century British History MRes

FT PT

Contact: Dr Nicholas Crowson – n.j.crowson@bham.ac.uk

History of Christianity MRes

FT PT

(interdisciplinary programme)

Contact: Dr David Gange – d.j.gange@bham.ac.uk

See also *Theology and Religion* – page 116

Doctoral research programmes

Research degrees in Medieval or Modern history are best planned by discussion with potential supervisors. Please contact either the appropriate member of staff, as listed under 'Research interests' below or email h.j.cullen@bham.ac.uk

Medieval History PhD/MA by Research

FT PT DL

Research interests:

- The late medieval Church in continental Europe, especially religious orders, heresy and Inquisition
Contact: Dr Caterina Bruschi – +44 (0)121 414 5754; c.bruschi@bham.ac.uk
- Early European economic and social history, the Vikings
Contact: Dr Chris Callow – +44 (0)121 414 5934; c.p.callow@bham.ac.uk
- Economy and society in late medieval England
Contact: Dr Miriam Müller – +44 (0)121 414 5741; m.muller.1@bham.ac.uk
- Religious culture in central Middle Ages (c.1000–c.1300), especially history of crusading
Contact: Dr William Purkis – +44 (0)121 414 6626; w.j.purkis@bham.ac.uk

■ Late medieval English legal history; the friars in England

Contact: Dr Jens Röhrkasten – +44 (0)121 414 5761; j.roehrkasten@bham.ac.uk

■ Pre-modern China, especially c.700–1200; comparative, world and global history; borders, cross-cultural interaction, politics and society

Contact: Professor Naomi Standen – n.standen@bham.ac.uk

■ The late medieval Church and society, especially in England

Contact: Professor Robert Swanson – +44 (0)121 414 5748; r.n.swanson@bham.ac.uk

■ England, 900–1200: religious and political culture; issues concerning gender and identity

Contact: Dr Simon Yarrow – +44 (0)121 414 5744; s.s.yarrow@bham.ac.uk

Modern History PhD/MA by Research

FT PT DL

Research interests, specifically military focused

■ British and German Armies

Contact: Dr Jonathan Boff – +44 (0)121 414 5512; j.f.boff@bham.ac.uk

■ Comparative European economic history

Contact: Dr Francesca Carnevali – +44 (0)121 414 6635; f.carnevali@bham.ac.uk

■ History of gender, sexuality and emotion

Contact: Dr Hera Cook – +44 (0)121 414 5747; h.cook@bham.ac.uk

■ British 20th-century political history

Contact: Dr Nicholas Crowson – +44 (0)121 414 5485; n.j.crowson@bham.ac.uk

■ Society and politics of 17th-century England

Contact: Professor Richard Cust – +44 (0)121 414 5764; r.p.cust@bham.ac.uk

■ History of the West Midlands since 1700

Contact: Dr Malcolm Dick – +44 (0)121 415 8253; m.m.dick@bham.ac.uk

■ Counter-Reformation belief and politics

Contact: Dr Elaine Fulton – +44 (0)121 414 6632; e.k.fulton@bham.ac.uk

■ History of 19th-century Britain

Contact: Dr David Gange – +44 (0)121 414 5665; d.j.gange@bham.ac.uk

Arts and Law

School of History and Cultures

■ Air power: history, theory and practice

Contact: Air Cdre (Ret'd) Dr Peter Gray –
+44 (0)121 414 8423; p.w.gray@bham.ac.uk

■ The British economy in the 20th century

Contact: Dr Julian Greaves –
+44 (0)121 414 5760; j.l.greaves@bham.ac.uk

■ German history since 1870

Contact: Dr Armin Grünbacher –
+44 (0)121 414 5759; a.gruenbacher@bham.ac.uk

■ Art and material culture of early modern Britain

Contact: Dr Tara Hamling –
+44 (0)121 414 9510; t.j.hamling@bham.ac.uk

■ Modern British social history

Contact: Professor Matthew Hilton –
+44 (0)121 414 7697; m.j.hilton@bham.ac.uk

■ French social and political history

Contact: Professor Peter Jones –
+44 (0)121 414 5746; p.m.jones@bham.ac.uk

■ British–German relations since 1945

Contact: Dr Sabine Lee –
+44 (0)121 414 5736; s.lee@bham.ac.uk

■ 17th- and 18th-century European history

Contact: Dr Jerzy Lukowski –
+44 (0)121 414 5742; j.t.lukowski@bham.ac.uk

■ 19th–20th century European history; environmental history

Contact: Professor Corey Ross –
+44 (0)121 414 5757; c.d.ross@bham.ac.uk

■ Race and Immigration

Contact: Dr Gavin Schaffer –
+44 (0)121 414 6629; g.schaffer@bham.ac.uk

■ 19th–21st-century military history

Contact: Professor Gary Sheffield –
+44 (0)121 414 3203/3983; g.d.sheffield@bham.ac.uk

■ Early Modern European exploration, expansion and colonisation

Contact: Dr Margaret Small –
+44 (0)121 414 5501; m.small@bham.ac.uk

■ History of religion in the British Army

Contact: Dr Mike Snape –
+44 (0)121 414 3405; m.f.snape@bham.ac.uk

■ Economic History

Contact: Dr Jelle van Lottum – j.vanlottum@bham.ac.uk

FT Full-time
PT Part-time
DL Distance Learning

Apply online see pages 66–69



WEST AFRICAN STUDIES

We are a unique interdisciplinary department and the only West African Studies Centre, even though we teach and supervise on all of Africa and its diasporas. Students from all parts of Africa, Britain, Europe, America and the Caribbean work together in a friendly community.

Facilities

All of our postgraduate students become part of – and contribute to – the vibrant international community of the College of Arts and Law Graduate School, which offers excellent research resources, a supportive working environment and employability skills training. Our postgraduate research students are given access to a workspace with a computer, printing, and copying facilities and our team of academic and operational staff are on hand to offer support and advice to all postgraduate students within the College.

The Danford Collection of West African Art and Artefacts celebrates and showcases the extensive array of cultural traditions and artistic expression from West Africa. Its contents range from historic carvings to contemporary fine art, and it is one of the finest collections of its kind in Europe. The collection is housed within the Centre itself and is used for teaching, research seminars, poetry readings and educational events for schools, as well as being open to the public. It is one of the many hidden treasures at the University of Birmingham.

Duration of programmes

- PhD – 3 years full-time; 6 years part-time
- MA by Research – 1 year full-time; 2 years part-time
- MRes – 1 year full-time; 2 years part-time
- MA – 1 year full-time; 2 years part-time

Entry requirements

See 'General entry requirements' on page 68.

English language requirements

Standard English language requirements apply (see page 68).

Scholarships and studentships

Scholarships may be available. For further information, visit the scholarships section of our website www.birmingham.ac.uk/calgs or email financialsupport@bham.ac.uk

Fees and funding

Standard fees apply (see page 62–63).

Starting dates

Programmes start in September 2013.

Learn more

www.birmingham.ac.uk/cwas

Taught programmes

African Studies MA/Diploma

FT PT

This is a multi-disciplinary programme focusing on contemporary Africa. It provides you with an understanding of major social, cultural, political and economic developments in Africa and the Diaspora. It allows you to develop your critical and analytical abilities in relation to current events in Africa as well as your ability to approach contemporary African issues from interdisciplinary standpoints.

Social Research (African Studies) MA

FT PT

This is a research programme that focuses on contemporary Africa. It provides you with an understanding of major social, cultural, political and economic developments and provides you with the research training necessary to undertake a social-science based study of contemporary Africa which will enhance your ability to prepare and present to an audience on material you have researched. There may be ESRC funding available for this programme.

For taught programmes contact: Dr Reginald Cline-Cole – cwas@bham.ac.uk

Arts and Law

School of History and Cultures

FT Full-time
PT Part-time
DL Distance Learning

Apply online see pages 66–69

Combined research and taught programmes

African Studies MRes

FT PT

This programme offers seven alternative pathways allowing you to focus on a particular area within the subject. These are:

- African and Caribbean Literature
- African Literature and Postcolonial Critical Theory
- Atlantic Slavery
- Gender Issues in Africa
- Media and Popular Culture in Africa
- History and Politics of Southern Africa
- Independent Study on a theme of your choice

You take three taught modules and complete a 20,000-word dissertation.

Caribbean Literature MRes

FT PT

On this programme you cover a broad range of poetry and fiction from the English, French and Spanish Caribbean. In the process, you engage with issues of Caribbean history, politics, national identity, gender and sexuality. You take three taught modules and complete a 20,000-word dissertation.

For combined research and taught programmes, contact:
 Dr Reginald Cline-Cole – cwas@bham.ac.uk

Doctoral research programmes

African Studies PhD/MA by Research

FT PT DL

Research interests of staff:

- Popular culture; religion; oral literature and performance; Yoruba culture and society

Contact: Professor Karin Barber – +44 (0)121 414 5125;
k.j.barber@bham.ac.uk

- African and Caribbean literature; postcolonial British literature; Caribbean film and music

Contact: Dr Stewart Brown – +44 (0)121 414 5127;
s.brown@bham.ac.uk

- Livelihoods; nature-society interaction; rural energy
- Contact: Dr Reg Cline-Cole – +44 (0)121 414 5132;
r.e.a.cline-cole@bham.ac.uk

- Society, religion and politics in Nigeria

Contact: Dr Insa Nolte – +44 (0)121 414 5129;
m.i.nolte@bham.ac.uk

- History and politics, with a particular focus on southern Africa, but also more generally

Contact: Dr Keith Shear – +44 (0)121 414 2288;
k.s.shear@bham.ac.uk

- Contemporary history of Ghana and Togo; social change and education

Contact: Dr Kate Skinner – +44 (0)121 414 6218;
k.a.skinner.1@bham.ac.uk

- History and Anthropology of labour, slavery, migration, and development in West Africa

Contact: Dr Benedetta Rossi – +44 (0)121 414 7343;
b.rossi@bham.ac.uk

- Labour, trade, migration and development with special reference to southern Africa

Contact: Dr Maxim Bolt – +44 (0)121 414 8444;
m.bolt@bham.ac.uk

You can also contact the Postgraduate Admissions Tutor – +44 (0)121 414 5128 or email cwas@bham.ac.uk; alternatively visit www.birmingham.ac.uk/cwas

Arts and Law

School of Languages, Cultures, Art History and Music

MODERN LANGUAGES

The Department of Modern Languages is home to one of the UK's largest groups of internationally renowned researchers in the national cultures of Europe – past and present – and covers Austria, France, Germany, Italy, Portugal, Russia, Spain and the Spanish regions (Catalonia, Galicia), and Switzerland. The Department incorporates the subject areas of French Studies, German Studies, Italian Studies, Russian Studies and Hispanic Studies (Portuguese and Spanish) and you can pursue specialist, cross-disciplinary or interdisciplinary postgraduate study in any of these areas.

You can research a wide range of cultural, literary, historical, and socio-political topics related to periods from the Middle Ages to the present day. You can also draw upon disciplinary and interdisciplinary postgraduate programmes organised within the School. You receive additional support and will be invited to attend and present papers at departmental research seminars. You will also have the opportunity to present papers and work in progress at the postgraduate-led School Postgraduate Forum and Graduate Centre for Europe.

You will benefit from the expertise available within the departments of English, French, German, Italian, Hispanic Studies and the Centre for Russian and Eastern European Studies, and have access to the facilities provided by the Centre for Corpus Research, which holds a large collection of corpora in several languages.

Facilities

All of our postgraduate students become part of – and contribute to – the vibrant international community of the College of Arts and Law Graduate School, which offers dedicated research resources, a supportive working environment and employability skills training. Our postgraduate research students are given access to a workspace with a computer, printing, and copying facilities and our team of academic and operational staff are on hand to offer

support and advice to all postgraduate students within the College. You will be able to attend training sessions in research methods and skills, and have access to the Ashley Building, which is now home to all our modern language disciplines (with work space and IT facilities).

Duration of programmes

- PhD – 3 years full-time; 6 years part-time
- MPhil – 2 years full-time; 4 years part-time
- MLitt – 2 years full-time; 4 years part-time
- MA by Research – 1 year full-time; 2 years part-time
- MRes – 1 year full-time; 2 years part-time
- MA – 1 year full-time; 2 years part-time

Entry requirements

See 'General entry requirements' on page 68.

English language requirements

Standard English language requirements apply (see page 68).

Scholarships and studentships

Scholarships may be available. For further information, visit the scholarships section of our website www.birmingham.ac.uk/calgs or email financialsupport@bham.ac.uk

Fees and funding

Standard fees apply (see pages 62–63).

Starting dates

Programmes start in September 2013.

Learn more

www.birmingham.ac.uk/languages

Arts and Law

School of Languages, Cultures, Art History and Music

Taught programme

Italian Studies: Culture and Communication MA FT PT

This innovative programme, taught jointly with the University of Warwick, brings together the combined strengths of two research-active departments, which are also highly rated for their teaching quality. It draws on the facilities of both campuses. It is intended as a means to further career development and can also act as a stepping-stone to higher-level research, especially a PhD. A brochure is available on request from both universities. Birmingham contact: Dr Ita MacCarthy – i.maccarthy@bham.ac.uk

Doctoral research programmes

French Studies PhD/MLitt/MA by Research FT PT DL

Research in French Studies at Birmingham holds an international reputation. Ranging from the medieval to the contemporary period our broad base of specialist excellence has allowed us to develop our distinctive Cultural Studies orientations and expertise in cross-disciplinary and comparative research. Research interests include:

- The Algerian War of Independence; the French colonial experience
Dr Craig Blunt
- Decadence; revolutionary fiction; 18th- and 20th-century women's writing; drama (Beckett, Koltès); comparative literature (French and English); European and national identities
Emeritus Professor Jennifer Burkett
- French cultural history, especially of 20th century; the Nouvelle Revue Française and Jean Paulhan; Franco–British cultural relations
Professor Martyn Cornick
- Dada and Surrealism in French literature and film, particularly Tristan Tzara, Luis Buñuel and Jean-Luc Godard; 20th-century French poetry
Dr Stephen Forcer
- 20th-century prose fiction; especially Julien Gracq, Patrick Modiano, J M G Le Clezio; memory of World War II; memory in literature; the city in literature and visual culture
Dr Béatrice Damame-Gilbert

- Early modern French literature and culture
Dr Ursula Haskins-Gonthier
- Francophone Caribbean literature and film from Martinique and Guadeloupe and the Antillean diaspora (including the Haitian diaspora in Canada); Francophone Colonial and Postcolonial Studies more generally
Dr Louise Hardwick
- French cinema (all periods); 20th-century visual art; literary, critical and feminist theory; Duras; Beckett
Dr Kate Ince
- French discourses of sexuality
Professor Lisa Downing
- Inter-war literature and culture; Second World War and literature; Irène Némirovsky; women's writing; literature and translation; travel writing
Dr Angela Kershaw
- Romance philology and French linguistics; medieval French language and literature; medieval Occitan language and literature
Emeritus Professor Peter Ricketts
- Colonial and postcolonial studies; popular representations of Empire in Britain and in France; European imperialisms in comparative perspective; the decolonisation of European empire; colonial and postcolonial history of Francophone Africa, North Africa and the Sahara
Dr Berny Sèbe
- 19th- and 20th-century French art and literature
Dr Emma Wagstaff
- 19th-century literature; Honoré de Balzac; the politics of Balzacian provinciality; contemporary re-imaginings of 19th-century literature
Dr Andrew Watts

Contact: Dr Stephen Forcer, Postgraduate Admissions Tutor, +44 (0)121 414 5985; s.m.forcer@bham.ac.uk

FT Full-time
PT Part-time
DL Distance Learning

Apply online see pages 66–69



German Studies PhD/MA by Research

FT PT DL

We are able to offer an exceptionally wide range of supervision opportunities, ranging from the medieval period to the present day. Research interests include:

- German and European literature of the 17th and 18th centuries; the history of translation; literary translation; gender and translation
Dr Hilary Brown
- Critical linguistics; Sprachkritik; language corpora; Kafka
Professor Bill Dodd
- German and Germanic philology
Mr Robert Evans
- German culture and history since 1750, particularly the relationship between literature and politics; German cinema
Dr Elystan Griffiths
- Medieval and 16th-century literature and culture
Dr Nigel Harris
- 20th-century German literature; language teaching methodology
Professor John Klapper
- German intellectual and cultural history of the 19th and 20th centuries, especially Nietzsche, the First World War, and National Socialism
Dr Nicholas Martin
- 20th- and 21st-century women's writing; the politics of remembrance; feminist theory; gendered memories of Nazism; autobiography and identity; women's writing and fascism
Dr Joanne Sayner
- 18th- and 19th-century women's literature
Dr Ruth Whittle

Interested graduates should contact Professor Rob Stone, Postgraduate Admissions Tutor – visit www.birmingham.ac.uk/hispanic for contact details

Hispanic Studies PhD/MA by Research

FT PT DL

Research activity spans medieval to modern, embracing the history, literatures and cultures of Spain, Catalonia, the Hispanic Caribbean, Spanish America, Portugal and Brazil. It also encompasses the disciplines of Linguistics, Translation Studies and cinema.

Research interests include:

- Crime and detective fiction (in Spanish and Portuguese; 20th and 21st century women's narrative from Spain and Latin America; violence and gender; Luso-Brazilian women's literature
Dr Shelley Godsland
- Hispanic Caribbean and Latin-American literature; gender and postcolonial studies
Dr Conrad James
- The invention of America in the Spanish culture of the exile of 1939; women's personal narratives; 19th- and 20th-century Spanish literature; modern Spanish poetry
Dr Mónica Jato
- 20th-century Hispanic narrative; the avant-garde novel of the 1920s; the social novel of the 1930s; Spanish Civil War Literature; Spanish republican exile; María Zambrano
Professor Frank Lough
- Catalan poetry and narrative; literature of exile; comparative literature
Dr Elisenda Marcer
- Portuguese literature in English translation; the anthology in Portugal; the Uruguayan short story; advertising language; translation studies
Dr Patricia Odber de Baubeta
- Spanish cinema
Professor Rob Stone
- Textual editing; medieval chronicles; comparative philology; Hispanic linguistics
Dr Aengus Ward
- Golden Age literature and culture; drama and theatre in early modern Europe
Dr Jules Whicker

Key themes include: the avant-garde novel of the 1920s, the social novel of the 1930s, Spanish Civil War literature, Exile Literature, Censorship, Women's writing, Gender and post colonial studies, Violence and Gender, Crime and detective fiction.

Interested graduates should contact Professor Francis Lough, Postgraduate Admissions Tutor – +44 (0)121 414 6034; f.lough@bham.ac.uk

Arts and Law

School of Languages, Cultures, Art History and Music

External funding

Hispanic Studies currently receives funding from several regional and national governments in the Iberian Peninsula:

- The Portuguese government has sponsored the Cátedra Gil Vicente, a research centre for Lusophone Studies within the Department. The centre funds conferences and training events organised or attended by academic staff, language instructors and postgraduate students. It also offers partial bursaries to fund postgraduate students.
- The Xunta de Galicia supports the Centro de Estudos Galegos to promote the teaching of Galician in the Department, and provides small sums to support research activity in Galician Studies.
- The Institut Ramon Llull helps to fund a post and research in Catalan Studies.

The Basque government funds teaching and research-related activities in Basque language and culture.

Italian Studies PhD/MLitt/MA by Research

FT PT DL

Italian Studies, with an excellent record in attracting funding, has a vibrant postgraduate community. The research environment is outstanding and it has one full AHRC PhD per year for the 2013 academic year. It hosts an annual Birmingham–Warwick postgraduate symposium and, since 2008, has held a student-led Italian seminar series. It is home to the Leopardi Centre and, currently, to a Leverhulme-funded project on populists in power and to an AHRC-funded project on Leopardi's *Zibaldone*.

Research interests include:

- Italian politics, media and cultural studies
- Italian film; literary and film theory; 20th-century poetry and narrative; themes of conflict; opposition; power; public and private
- The Age of Romanticism in Italy; the reception of Dante in the 19th century; 20th-century fiction; critical theory in Italy; the relation between oral and written literature, and the work of Umberto Eco

- Autobiography; the work of Giacomo Leopardi, and Leopardi in the European context
- Medieval literature and Italian diachronic linguistics
- Renaissance literature; the relation between literature and the visual arts; chivalric romance, particularly Ariosto; the concept of *grazia*; the debate about women in the Renaissance, and contemporary women's writing
- 20th-century and contemporary literature; discourses of gender and sexuality in 20th-century and contemporary culture and society

Contact: Dr Clodagh Brook – +44 (0)121 414 7504;
c.j.brook@bham.ac.uk

Russian Studies PhD/MA by Research

FT PT DL

Russian Studies in Modern Languages has close links with the Centre for Russian and East European Studies (CREES) – see page 222. We conduct a wide range of funded research, from Russian modernist and postmodernist literature, the role of new media – such as social media internet and blogging in Russia and beyond – to ethnographic work on identity, class and consumption after socialism. In addition to supervision on the topics listed below, we can offer co-supervision with our CREES colleagues on relevant research themes.

Research interests include:

- 20th-century Russian literature and visual culture, neoliberalizing postsocialism, social inequality, class and work, ethnographic methods, participant observation, new media, social networks and activism

Dr Jeremy Morris

- Post-Soviet Russian media, social media, 20th-century Russian literature, Joseph Brodsky, translation studies, genre studies

Dr Natasha Rulyova

FT Full-time
PT Part-time
DL Distance Learning

Apply online see pages 66–69



CULTURES

Within the School we offer several interdisciplinary programmes in the area of cultural studies. These are taught by academics from a range of disciplines across the College of Arts and Law, each bringing their specific expertise to bear on the topics under discussion.

Facilities

All our postgraduate students become part of – and contribute to – the College of Arts and Law Graduate School, which offers dedicated research resources, a supportive working environment and employability skills training. Our postgraduate research students are given access to a workspace with a computer, printing and copying facilities and our team of academic and operational staff are on hand to offer support and advice to all postgraduate students within the College.

Duration of programmes

- MRes – 1 year full-time; 2 years part-time
- MA – 1 year full-time; 2 years part-time

Entry requirements

See 'General entry requirements' on page 68.

English language requirements

Standard English language requirements apply (see page 68).

Scholarships and studentships

Scholarships may be available. For further information, please visit the scholarships section of our website www.birmingham.ac.uk/calgs or email financialsupport@bham.ac.uk

Fees and funding

Standard fees apply (see pages 62–63).

Start dates

Programmes start in September 2013.

Learn more

www.birmingham.ac.uk/lcahm

Taught programmes

Cultural Inquiry MA

FT PT

This programme will introduce you to major theories of culture that span Humanities, Historical Studies and the Social Sciences; theories that belong broadly to the fields of critical theory, cultural studies and discourse. It is comprised of six taught modules – two core and four optional, and concludes with the completion of a 15,000-word dissertation.

Combined research and taught programmes

Cultural Inquiry MRes

FT PT

Exploring the same issues as the Cultural Inquiry MA programme, the MRes route has a focus on research and is made up of three taught modules and a 20,000-word thesis.

Gender Studies MRes

FT PT

This programme introduces you to a range of theoretical and methodological issues/debates that have characterised the development of gender studies in the 20th century; this includes feminist theory, masculinity studies, queer theory, postcolonial theory, psychoanalysis, ethnography and studies in sexuality. It is comprised of three taught modules and a 20,000-word thesis.

Arts and Law

School of Languages, Cultures, Art History and Music

ART HISTORY, FILM AND VISUAL STUDIES

We are located in the Barber Institute of Fine Arts, which houses the Barber Institute gallery. This is an excellent and representative collection of post-medieval European art. It includes paintings, engravings and drawings by such artists as Rembrandt, Van Dyck, Veronese, Picasso, Magritte, as well as an important collection of 19th-century paintings by artists such as Monet, Manet, Degas, Gauguin, Turner and Whistler. This is a valuable teaching collection which all members of staff use on a regular basis.

Facilities

The Barber Institute's exceptional Fine Art Library (of circa 60,000 volumes) contains specialist collections of sales catalogues and 19th-century books, in addition to excellent holdings in all areas of art history. The University of Birmingham Library provides an additional research resource of international quality, containing almost 2 million books, a wide range of periodicals and IT facilities. Its research holdings include important collections of historical and art-historical documents, such as papers and photographs relating to Sir Lawrence Alma-Tadema.

All of our postgraduate students become part of – and contribute to – the vibrant international community of the College of Arts and Law Graduate School, which offers dedicated research resources, a supportive working environment and employability skills training. Our postgraduate research students are given access to a workspace with a computer, printing, and copying facilities and our team of academic and operational staff are on hand to offer support and advice to all postgraduate students within the College.

Postgraduate study

We have a thriving postgraduate community, which offers a stimulating intellectual environment. A wide range of public lectures and seminar programmes are regularly hosted by the Department, some of which postgraduates help to plan and organise. These provide opportunities to discuss art-historical questions with visiting speakers as well as to engage with the latest research of those working within the University. Postgraduate students are given the opportunity to co-curate an exhibition at the Barber Institute annually and co-author and co-edit an accompanying catalogue.

Duration of programmes

- PhD – 3 years full-time; 6 years part-time
- MA by Research – 1 year full-time; 2 years part-time
- MRes – 1 year full-time; 2 years part-time
- MA – 1 year full-time; 2 years part-time

Entry requirements

See 'General entry requirements' on page 68.

English language requirements

Standard English requirements apply (see page 68).

Scholarships and studentships

History of Art students are eligible to apply for the Haywood Scholarship. Other scholarships/funding may also be available. Please contact the Postgraduate Office – +44 (0)121 414 8950 or email financialsupport@bham.ac.uk

Fees and funding

Standard fees apply (see page 62–63).

Starting dates

Programmes start in September 2013.

Learn more

www.birmingham.ac.uk/historyofart

FT Full-time
PT Part-time
DL Distance Learning

Apply online see pages 66–69



Taught programmes

History of Art MA

FT PT

This programme provides you with the opportunity to pursue in-depth study of one or more selected topics in the history of art based on a taught special subject module and a 15,000-word dissertation. A variety of options are available, including the distinctive 'Curating Research: Theories and Practices' special subject module which provides you with the opportunity to gain practical experience and skills in exhibition organisation. For the latest information on available options, please contact the department.

Contact: Dr Camilla Smith – h.c.smith@bham.ac.uk

Combined research and taught programme

History of Art MRes

FT PT

This programme offers two core modules – Critical Methods in the History of Art and Visual Culture and research training – and an optional module such as: Aesthetics and the Philosophy of Art; Cultural Analysis; and Art, Heritage and Digital Cultures. The programme also requires you to research and write a 20,000-word thesis.

Contact: Dr Camilla Smith – h.c.smith@bham.ac.uk

Doctoral research programmes

History of Art PhD/MA by Research

FT PT DL

Normally, you need either to have gained an MA or MA by Research qualification in the History of Art, or to have upgraded from an MA by Research in order to apply. The award of a PhD is virtually a necessary condition for pursuing a career as an academic art historian.

Research interests:

- 19th- and early 20th-century French art, design and visual culture
Dr Francesca Berry
- 18th- and early 19th-century French visual culture (particular specialism in the revolutionary periods, especially iconoclasm and print culture)
Dr Richard Clay
- Roman architecture; Italian art, 1400–1600; Renaissance and post-Renaissance architecture in Italy and Britain
Mr David Hemsoll
- 15th- and 16th-century French and northern European art; women in early modern art; books and manuscript illustration
Dr Elizabeth L'Estrange
- German and Central European art and design from the mid-19th century to the present; the historiography of art; contemporary art theory and criticism
Professor Matthew Rampley
- 18th-century Swiss art and late 19th- and early 20th-century German and Austrian art and visual culture
Dr Camilla Smith
- Modern and contemporary art and exhibition cultures in Europe (with specific emphasis on migration, hybridity and post-communism)
Dr Jutta Vinzent

Collaborative PhDs

The Department has won a considerable number of AHRC funding awards for collaborative PhDs since the competition's launch. Such PhDs are supervised in conjunction with non-HEI partners (Birmingham Museums and Art Gallery, and the Royal Birmingham Society of Arts) and, in some cases, with the Department of History at Birmingham. The collaborative PhD programme is aimed at students who wish to pursue research careers in the wider cultural sector. We make applications for similar funding annually.

Contact: Dr Camilla Smith – h.c.smith@bham.ac.uk

Arts and Law

School of Languages, Cultures, Art History and Music

MUSIC

One of the most prestigious music departments in the UK, we have been ranked second in the country for the quality of our world-leading research and 2013 sees us expand our offering even further.

Facilities

We are located in the new Bramall Music Building in Chancellor's Court at the heart of the University campus. The new premises are centred on the 450-seat Elgar Concert Hall and contain a suite dedicated to the study and performance of early music, five electroacoustic studios and a large rehearsal room. In addition, the department's performing and learning facilities also include the Elgar Suite – a 16-room practice block – and the Birmingham Electroacoustic Sound Theatre (BEAST), which has an active concert presence within Europe. Our Music Library is one of the best in the country, with special collections centred on 20th-century English music (including Elgar's diaries, manuscript scores and early editions) and Baroque music (including many manuscript and early printed sources and an extensive microfilm collection).

All of our postgraduate students become part of the College of Arts and Law Graduate School – a vibrant international community offering dedicated research resources, a supportive working environment and employability skills training. Students have access to a computer cluster provided with music software, such as 'Sibelius' and 'Adobe Audition', and our Graduate School team of academic and operational staff are on hand to offer support and advice to all postgraduate students within the College.

Postgraduate study

Supervised by experts of international standing, postgraduate study in Music focuses on composition, musicology and performance practice. Composition includes electroacoustic music; conventional and mixed media electroacoustics; instrumental and vocal music; mixed instrumental and electroacoustic music, and live and interactive electroacoustics. Musicology ranges from the medieval to the contemporary, and across a number of European musical cultures.

Duration of programmes

- PhD – 3 years full-time; 6 years part-time
- MA by Research – 1 year full-time; 2 years part-time
- MA Music – 1 year full-time; 2 years part-time

Entry requirements

The usual entry requirement is an upper second-class degree or higher in Music, or appropriate equivalent qualification. See also 'General entry requirements' on page 68.

Additional requirements

- For Composition – you should also submit scores and/or recordings of your work with your application
- For Musicology – you should also submit a recent piece of written work and a brief research proposal with your application

These items should be copies, since they cannot be returned.

English language requirements

Standard English language requirements apply (see page 68).

Scholarships and studentships

In addition to the generous scholarships offered by the College of Arts and Law, Music students are eligible for funding from a number of Department scholarships, for instance Barber postgraduate and international scholarships. For further information, visit the scholarships section of our website www.birmingham.ac.uk/calgs or email financialsupport@bham.ac.uk

Fees and funding

Standard fees apply (see pages 62–63). Bench fees also apply to pathways on the Music MA which include a performance element.

Starting dates

Programmes usually start in September 2013.

Learn more

www.birmingham.ac.uk/music

FT Full-time
PT Part-time
DL Distance Learning

Apply online see pages 66–69



Taught programme

Music MA

FT PT

This flexible programme is designed to cater for those with a wide range of interests and specialisms. It is conceived as a 'next step' after the undergraduate degree, either as a stepping stone to research, as a qualification for further education teaching or simply to satisfy a thirst for development. Pathways available:

- British Music Studies
- Choral Conducting
- Critical Musicology
- Early Music
- Editing
- Electroacoustic Composition/Sonic Art
- Instrumental/Vocal Composition
- Mixed Composition
- Musicology
- Open Pathway with Performance
- Open Pathway without Performance
- Performance
- Performance Practice

Contacts:

Composition pathways: Dr Scott Wilson –
 s.d.wilson@bham.ac.uk

All other pathways: Dr Matthew Riley – m.j.riley@bham.ac.uk

Doctoral research programmes

Musicology PhD/MA by Research

FT PT DL

Our research expertise is concentrated on:

- Music analysis
- Critical theory
- Medieval music
- Baroque music
- Romantic music
- 19th- and 20th-century British music
- Classical Music

A particular focus is created by the existence of the Centre for Early Music Performance and Research (CEMPR), which owns a large collection of reproduction early instruments and offers practical tuition in early instrumental and vocal techniques.

Musical Composition PhD/MA by Research

FT PT DL

As part of this PhD you can create works which use electroacoustics and computer technology, traditional (and not so traditional) instrumental and vocal composition, or which combine these aspects.

Research interests include:

- Composition and acousmatic electroacoustic music
- Instrumental/vocal composition
- Composition and live electroacoustic music

For information on these programmes contact:

Dr Scott Wilson – s.d.wilson@bham.ac.uk

Arts and Law

School of Languages, Cultures, Art History and Music

Music Performance Practice PhD/MA by Research **FT PT**

Uniquely, we offer degrees in performance practice at MA by Research and PhD levels, which allows performers of a proven ability to develop their work on historically informed performances of western art music. The programmes are assessed by performance supported by written work and a 20,000-word thesis.

Research expertise:

- Singers and singing; gender and sexuality; performance; early modern period
- Classical and Romantic performance practice
- 15th and 16th centuries; violin performance; conducting
- Early music performance practice

Contact: Dr Matthew Riley – m.j.riley@bham.ac.uk

Arts and Law

School of Philosophy, Theology and Religion

PHILOSOPHY

Our Department is home to a dynamic and friendly community of philosophers, pursuing original research on a wide range of topics. We offer a diverse variety of postgraduate programmes, and in addition to the formal teaching and training sessions we host a busy calendar of research seminars, colloquia and conferences.

Birmingham has a growing international reputation as a centre of excellence for research in analytic philosophy. Staff members write papers and books in key areas, such as metaphysics, philosophy of language, philosophy of religion, ethics and meta-ethics and we have research clusters in these areas. We host regular research seminars, workshops and international conferences, and have an expanding Postgraduate Research Programme.

In addition, our Department includes the Centre for the Study of Global Ethics, which was founded in 2001, and was the first of its kind in the UK. The Centre was set up to address the practical and theoretical issues raised by globalisation. Global Ethics has natural affinities with Political Science and International Relations, as well as the Institute of Applied Social Studies.

The Centre has links with the College of Medical and Dental Sciences, the International Development Department, the Birmingham Business School and the Birmingham Law School. We are multidisciplinary in approach, as we believe that the issues we face today cannot be solved within, for example, economics, politics or philosophy alone.

Facilities

We are housed in the European Research Institute building, which is part of the main Edgbaston campus. All of our postgraduate students become part of – and contribute to – the vibrant international community of the College of Arts and Law Graduate School, which offers dedicated research resources, a supportive working environment and employability skills training. Our

postgraduate research students are given access to a workspace with a computer, printing, and copying facilities and our team of academic and operational staff are on hand to offer support and advice to all postgraduate students within the College.

The Department also makes funds available to cover the expenses of students wishing to participate in conferences. Global ethics students are expected to attend the weekly Philosophy Seminar (which includes many speakers who are relevant to global ethics, including moral and political philosophers). In addition, in the Spring term a dedicated global ethics seminar is convened in order to bring more activist and practitioner speakers to the Centre.

Postgraduate study

We have an expanding postgraduate community and our postgraduates are well integrated into our research culture. Students present and discuss their work in progress at the weekly postgraduate research seminar. They are also encouraged to contribute informally to the Philosophy Society and Staff Seminar. The Philosophy Society hosts guest speakers from other universities where the speaker gives a special pre-talk for graduate students, aimed at familiarising them with the background issues of the main talk.

Students are encouraged to contribute to the international conferences and workshops we host and a 'mock conference' for graduate students is held at the end of the year, in which each graduate student gives a paper.

Duration of programmes

- PhD – 3 years full-time; 6 years part-time
- MA by Research – 1 year full-time; 2 years part-time
- MRes – 1 year full-time; 2 years part-time
- MSc – 1 year full-time; 2 years part-time
- MA – 1 year full-time; 2 years part-time

Entry requirements

See 'General entry requirements' on page 68.

Arts and Law

School of Philosophy, Theology and Religion

English language requirements

Standard English language requirements apply (see page 68).

Scholarships and studentships

A number of postgraduate (mostly fees only) bursaries are available from the department, and PhD students are offered paid work (and invaluable experience) as teaching assistants. Please contact the School of Philosophy, Theology and Religion directly or email financialsupport@bham.ac.uk

Fees and funding

Standard fees apply (see pages 62–63).

Starting dates

Programmes start in September 2013.

Learn more

www.birmingham.ac.uk/philosophy

Taught programmes

Philosophy MA

FT PT DL

(Distance Learning mode subject to approval)

You will be taught by a vibrant community of philosophers, pursuing original research on a wide range of topics on which expert supervision is available. Topics include: ethics, meta-ethics and global ethics; epistemology and metaphysics; mind, language and action; and the philosophy of health and happiness. In addition to a research skills module, you will select modules from a range of options offered by Philosophy (including the Centre for the Study of Global Ethics) and other departments. You will also complete a 15,000-word dissertation.

Philosophy of Health and Happiness MA

FT PT DL

(Distance Learning mode subject to approval)

This programme focuses on the growing field of happiness and its overlap with health and wellbeing, asking questions such as: What is happiness? What is health? How does illness affect our understating of what matters? Do our views about death and mortality affect how happy we are and how meaningful our lives

are? You will complete three Philosophy modules: Research Skills and Methods for MA students; Philosophy of Health and Happiness and God; Freedom and the Meaning of Life; as well as optional modules from the schools of Philosophy, Theology and Religion, Psychology or the Birmingham Law School. You will also complete a 15,000-word dissertation.

Philosophy of Language and Linguistics MA

FT PT

On this programme you will explore issues in semantic and cognitive externalism, the nature of interpretation, deflationism, the nature of concepts, philosophical issues concerning truth-theoretic semantics, and theories of judgement. You will study two core modules in Philosophy and choose from a range of optional modules available from within English, Philosophy and Psychology. You will also complete a 15,000-word dissertation.

Philosophy of Mind and Cognitive Science MA

FT PT

On this programme you will explore issues in philosophy of the cognitive sciences, the nature of intentionality, physicalism, philosophical issues concerning rationality and interpretation, and consciousness. You will study three core modules in Philosophy in addition to optional modules in cognitive science from within the School of Psychology or the School of Computer Science. You will also complete a 15,000-word dissertation.

Contact for the above four programmes: Dr Jussi Suikkanen, Departmental Postgraduate Taught Director – j.v.suikkanen@bham.ac.uk

Philosophy of Religion and Ethics MA/Diploma/Certificate

FT PT DL

(Distance Learning Mode subject to approval)

You will explore the key issues in the fields of Philosophy and Religion and Ethics, such as 'Are there shared human values?' 'How do we negotiate different belief systems in pluralistic societies?' 'Is there a conflict between science and religion?' You will complete three core modules, three optional modules and a 15,000-word dissertation.

Contact: Dr Yujin Nagasawa – y.nagasawa@bham.ac.uk or Dr David Cheetham – d.cheetham@bham.ac.uk

FT Full-time
PT Part-time
DL Distance Learning

Apply online see pages 66–69



Global Ethics MSc/Diploma/Certificate

FT PT

This flexible programme offers a range of modules including Global Ethics, Human Rights, Global Bioethics, and Development Ethics. Students also have the opportunity to participate in a research seminar or undertake a placement with an NGO or the equivalent. Those studying the MSc will complete the programme with a 15,000-word dissertation. The programme is designed to accommodate those wishing to study part-time around other commitments. It is equally suitable for recent graduates or post-experience students, for those wishing to go on to further research in one or more of the topics, or for those with a personal interest in the field of global ethics.

Contact: Professor Tom Sorell – t.sorell@bham.ac.uk

Health, Bioethics and Law MA

(subject to approval)

This interdisciplinary programme will provide you with the opportunity to study issues and developments concerning health, healthcare, ethics and law and the inter-relations between these fields. The programme is ideally suited to Law graduates wishing to specialise in healthcare law in practice and also to people working in the legal professions and health and social care practitioners.

Contact: Heather Widdows – h.widdows@bham.ac.uk

Human Rights and Human Values

MSc/Diploma/Certificate

FT PT

The programme takes a multidisciplinary approach to human rights and values, drawing on political theory, law, philosophy, theology, international relations and ethics. You study a range of modules including Global Ethics, Human Rights, Global Bioethics and Development Ethics. Those studying the MSc will complete the programme with a 15,000-word dissertation. The programme provides solid research training and contributes to the professional development of NGO personnel and those working in the public and private sector. It is also suitable if you are a graduate or if you want to go onto further research, such as a PhD, in this area.

Contact: Professor Tom Sorell – t.sorell@bham.ac.uk

International Law, Ethics and Politics MA

(subject to approval)

Taught jointly with the Birmingham Law School, this programme introduces you to the issues around law, global ethics and political theory, with particular emphasis on international human rights law and European law. Choosing from a wide range of optional modules, you will be able to apply your knowledge to a number of problems such as poverty reduction; international trade; war and terrorism; climate change; and democracy. Dissertation and non-dissertation routes are available, and the programme also includes a placement module, which is assessed by a 6,000-word report.

Contact: Professor Tom Sorell – t.sorell@bham.ac.uk

Combined research and taught programme

Philosophy MRes

FT PT

The MRes is a one-year programme designed to enable you to carry out a significant research project while following three taught modules. The first of these, Philosophical Research, investigates key questions concerning philosophical methods and thereby helps you to plan and manage the preparation of your thesis. It also facilitates the sharpening of key bibliographic, critical, interpretive, and presentational skills. Two further modules are chosen from a number of options including Philosophy of Mind, Epistemology, Metaphysics, Philosophy of Language and the Philosophy of Happiness.

Contact: Dr Jussi Suikkanen – j.v.suikkanen@bham.ac.uk

Doctoral research programmes

Philosophy PhD/MA by Research

FT PT DL

Research areas include:

- Philosophy of language, mind and action
- Moral philosophy (theoretical and applied)
- Metaphysics and epistemology
- History of Philosophy
- Philosophy of the Cognitive Sciences
- Philosophy of Religion

A full list of academic staff and their research interests can be found at www.birmingham.ac.uk/philosophy

Contact: Dr Mark Cartledge, Postgraduate Admissions
 Tutor – m.j.cartledge@bham.ac.uk

Arts and Law

School of Philosophy, Theology and Religion

Global Ethics PhD/MA by Research

Our PhD and MA by Research programmes require you to undertake independent research under the supervision of our staff. Our research interests cover a wide variety of topics, including:

- Ethics and global public health
- Ethics, war and terror
- Poverty and financial exclusion
- Ethics of borders and immigration

A full list of academic staff and their research interests can be found at www.birmingham.ac.uk/globalethics

Contact: Professor Tom Sorell – +44 (0)121 414 8443;
t.sorell@bham.ac.uk

FT PT DL

The University of Birmingham Library also has a number of special collections of materials for research, including the personal papers of a number of significant figures in the history of the Church. These include:

- The Mingana Collection of Arabic and Syriac Manuscripts
- Archives of the Church Missionary Society
- Archives of the YMCA
- The Harold Turner Collection on new religious movements
- Manuscripts of religious texts on microfilm

The University's major library collection supports our research areas, with over 120,000 volumes and several hundred periodicals. Much of this is located in the modern, spacious Orchard Learning Resources Centre on the Selly Oak Campus.

THEOLOGY AND RELIGION

Theology and Religion plays a world-leading role in areas of research such as Textual Scholarship and Electronic Editing, Christian–Muslim relations and World Christianity (particularly Pentecostal and Charismatic Studies). We have a large and international community of postgraduates, attracted by the range and quality of supervision available and the chance to participate in specialised seminars in many areas of theological research.

Facilities

The Department is housed in the European Research Institute (ERI) building which is part of the main Edgbaston campus. We have extensive formal and informal links with academic and religious institutions in five continents. In the UK, we maintain close links with Queen's (Ecumenical) College; Oscott (Catholic) College, Woodbrooke Quaker Study Centre, and the Urban Theology Unit in Sheffield. This gives us access to many other collections of antiquarian books and historical papers.

All of our postgraduate students become part of – and contribute to – the vibrant international community of the College of Arts and Law Graduate School, which offers dedicated research resources, a supportive working environment and employability skills training. Our postgraduate research students are given access to a workspace with a computer, printing, and copying facilities and our team of academic and operational staff are on hand to offer support and advice to all postgraduate students within the College.

Postgraduate study

The Department combines internationally-established strength in teaching and research with initiatives in new fields of study: it provides a context that supports and encourages multidisciplinary research, and variety and depth of postgraduate study across the areas of theology and religion. We offer postgraduate programmes from taught Masters to PhD degrees in a wide range of subjects, and host public lectures and research seminars given by distinguished scholars.

Contact: Dr Mark Cartledge, Postgraduate Admissions Tutor;
m.j.cartledge@bham.ac.uk

FT Full-time
PT Part-time
DL Distance Learning

Apply online see pages 66–69



Duration of programmes

- PhD – 3 years full-time; 6 years part-time
- DPT – 5–6 years part-time (full-time may also be available)
- MA by Research – 1 year full-time; 2 years part-time
- MRes – 1 year full-time; 2 years part-time
- MA – 1 year full-time; 2 years part-time

Entry requirements

See 'General entry requirements' on page 68.

English language requirements

Standard English language requirements apply (see page 68).

Scholarships and studentships

Scholarships may be available. For further information, please visit the scholarships section of our website www.birmingham.ac.uk/calgs or email financialsupport@bham.ac.uk

Fees and funding

Standard fees apply (see pages 62–63).

Starting dates

Programmes start in September 2013.

Learn more

www.birmingham.ac.uk/theologyandreligion

Taught programmes

Evangelical and Charismatic Studies

MA/Diploma/Certificate

FT PT

This programme explores the faith, practices, worship and teaching of Pentecostal/Charismatic and Evangelical communities from a critical academic perspective, which emphasises their global and contextual nature. It provides an excellent preparation for further research in the field, but is also well suited to personal and professional development purposes. You can pursue a range of specialisms and the 15,000-word dissertation provides an ideal opportunity for you to explore your own specific interests in the field.

Contact: Dr Andrew Davies – a.davies.4@bham.ac.uk

History of Christianity MA Interdisciplinary programme *(Taught within the Department of History)*

This is an interdisciplinary programme involving staff from a number of departments each providing a different area of expertise in the subject. Our range of expertise covers all periods and a wide range of historical approaches including Catholic, Orthodox, Protestant and African Independent branches of Christianity, as well as social and cultural history. This gives you a rich variety of options and a range of dissertation possibilities.

Contact: Dr Michael Snape – m.f.snape@bham.ac.uk

See also *History* – page 95

Islamic Studies MA/Diploma/Certificate

FT PT

This is for those wishing to acquire a broad foundation in Islamic studies and those seeking a sound preparation for a subsequent research degree. Study includes Islamic Philosophy, Sufism, Islam in the Diaspora, Political Islam, Islam and Gender, and History of Christian–Muslim Relations. You also have the opportunity to work on areas of special interest.

Contact: Dr Jagbir Jhutti-Johal – j.jhuttijohal.1@bham.ac.uk

Theology and Religion MA

FT PT

Theology and religion employs a wide variety of methodological approaches in its discourse. Not only that, but it has significance both as a subject in its own right, and within communities of faith and other non-academic contexts. This programme reflects this complexity and is designed to prepare you for professions which depend upon an advanced awareness of issues of theology and religion, and allow you to better appreciate the significance of these issues in contemporary society. You will study a range of taught modules and complete a 15,000-word dissertation.

Contact: Dr Jagbir Jhutti-Johal – j.jhuttijohal.1@bham.ac.uk

Arts and Law

School of Philosophy, Theology and Religion

Combined research and taught programmes

History of Christianity MRes Interdisciplinary programme
(*Taught within the Department of History*)

FT PT

This programme combines training in research skills and methodology with the writing of a 20,000-word dissertation. The compulsory module, *Writing the History of Christianity*, focuses on selected modern historical classics and primary sources. In addition, you take either a tailor-made research skills module, providing specific training for your intended area of doctoral research (for example a language), or any 20-credit module from the MA in the History of Christianity.

Contact: Dr David Gange – d.j.gange@bham.ac.uk

See also *History* – page 97

Inter-religious Relations MRes

FT PT

Here you can study religions in their historical and contemporary development; special attention is given to geographical spread, theological complexity and cultural influence. You explore the affinities between great religions, their mutual indebtedness, their differences, the clashes their encounters have produced and contemporary issues around religion, politics and peace building. The programme comprises three 20-credit modules, one of which is *Research Methodology*, and you complete a 20,000-word thesis.

Contact: Dr Josef Boehle – j.boehle@bham.ac.uk

Islamic Studies MRes

FT PT

This MRes provides an opportunity for exploring most aspects of Islamic Studies, including: Islamic history as well as philosophy and contemporary religious and political thought. The programme comprises three 20-credit modules, one of which is *Research Methodology*, and you complete a 20,000-word thesis.

Contact: Dr Jagbir Jhutti-Johal – j.jhuttijohal.1@bham.ac.uk

Pentecostal and Charismatic Studies MRes

FT PT

This programme allows you to study these movements with academic honesty, emphasising the contextual nature of Charismatic Christianity, considering the lessons such a study has for world Christianity, and enabling academic reflection on them. The programme comprises three 20-credit modules, one of which is *Research Methodology*, and you complete a 20,000-word thesis.

Contact: Dr Mark Cartledge – m.j.cartledge@bham.ac.uk

Quaker Studies MRes

FT PT

Quaker Studies offers an exciting way to learn about and reflect on the Quaker past, present, and future, whilst conducting in-depth research – an ideal stepping stone to a doctoral research degree. Taught modules include the *History of Quaker Theology*, and *Issues in Contemporary Quakerism*. Training in research methods is given and you complete a 20,000-word dissertation.

Contact: Professor Ben Pink Dandelion –
b.p.dandelion@bham.ac.uk

Religion and Culture MRes

FT PT

This degree offers a framework within which you can develop knowledge and skills in the social, cultural and theological study of religion and faith in contemporary society. Studies can include formal religions, alternative or 'New Age' spiritualities, or other sources of meaning not conventionally thought of as 'religious'. You can also study religion in regional contexts, looking at anthropological, sociological, historical and cultural issues. The programme comprises three 20-credit modules, one of which is *Research Methodology*, and you complete a 20,000-word thesis.

Contact: Dr Ian Draper – i.draper@bham.ac.uk

FT Full-time
PT Part-time
DL Distance Learning

Apply online see pages 66–69



Sikh Studies MRes

Within this programme you become critically oriented with key issues that play a significant role in understanding the Sikh religion and its practices. Taught elements explore the Sikh religion in a theological and anthropological context with reference to the contemporary scene. You develop critical reasoning skills needed for objectively analysing Sikh writings and the writings about Sikhism by scholars. Some emphasis is given to comparative study and its importance for the study of inter-religious dialogue and relations. The programme comprises three 20-credit modules, one of which is Research Methodology, and you complete a 20,000-word thesis.

Contact: Dr Jagbir Jhutti-Johal – j.jhuttijohal.1@bham.ac.uk

Theology MRes

Possible areas of supervised study within this programme include: the Bible and Christian thought, including, for example, third world and intercultural theologies; contextual biblical hermeneutics; Hebrew Bible or New Testament Studies; philosophy of religion; contemporary systematic theology, and western philosophical theology. It comprises three 20-credit modules, one of which is Research Methodology, and you complete a 20,000-word thesis.

Contact: Dr Andrew Davies – a.davies.4@bham.ac.uk

FT PT Doctoral research programmes

Practical Theology Doctorate DPT

PT DL

This is a practice-based doctoral-level programme particularly for part-time students; it provides a unique opportunity for practitioners in a variety of settings to work with peers from similar or different professional and voluntary contexts to gain a practice-based and relevant research degree by staged part-time work. You are encouraged to use your professional, voluntary or ministerial practice as the foundation for structured research in practical theology. Assessment is by a portfolio of work including a literature review, publishable article, research proposal, and a 50,000-word dissertation.

Please note: You should make clear the nature of your current practice situation and how this will be used in your doctoral studies in the personal section of your application.

Contact: Professor Stephen Pattison – dptenquiries@contacts.bham.ac.uk

Theology and Religion PhD/MA by Research

FT PT DL

Research areas include:

- Asian religion
- Biblical Studies
- Contemporary Religion and Society
- Intercultural and Practical Theology
- Islam and Christian–Muslim Relations
- Jewish and Holocaust Studies
- Modern Theology
- Pentecostal and Charismatic Studies
- Philosophy of Religion
- Quaker Studies
- South Asian Religion

A list of the special interests of academic staff can be found at www.birmingham.ac.uk/theologyandreligion

Contact: Dr Mark Cartledge – m.j.cartledge@bham.ac.uk

College of Engineering and Physical Sciences

Birmingham –

*fulfil
your dreams*

I chose to undertake my research at Birmingham because the staff are experts in their field.

Also Birmingham – both the University and the city – has a wide cultural diversity which, as an international student, made me feel more comfortable.

My research project concerned 'electro-spinning', which essentially is using extremely high voltages to draw out polymers to very thin fibres; these fibres are then used to regenerate as bone. The traditional way of treating bone disease has been bone grafting, but we are trying to instruct the body to heal itself naturally.

I got involved with a competition called Enterprising Birmingham, where I developed a water filter system for sub-Saharan countries; something I intend to pursue in the future. I also had the opportunity to travel and study in Singapore.

At this final stage of my doctoral research, I can confidently say that I have had one of the best times of my life and I will remain ever grateful for the countless opportunities Birmingham has given me to invest in my future.

Olubayode

Doctoral Researcher in Metallurgy and Materials





Engineering and Physical Sciences Interdisciplinary programme

PSIBS Physical Sciences of Imaging in the Biomedical Sciences Doctoral Training Centre

Physical Sciences of Imaging in the Biomedical Sciences

PhD with Integrated Study (MSc – year 1; PhD – years 2–4)

This is an interdisciplinary programme that draws on skills and expertise from across the spectrum of science, engineering and medicine at Birmingham. It is open to graduates from engineering and the physical sciences disciplines.

Entry requirements

The normal entrance qualification is at least an upper second-class Honours degree in a relevant discipline (Chemistry, Physics, Materials Science, Natural Sciences, Computer Science, Engineering or Mathematics).

English language requirements

Standard English language requirements apply – see page 68 for details.

Scholarships and studentships

Scholarships may be available – contact the Doctoral Training Centre directly.

Fees

Standard fees apply (see page 62–63 for details).

Starting dates

Autumn 2013.

Cross-disciplinary

Our training and research are inherently cross-disciplinary, bringing together complementary scientific perspectives and skills that enable students to tackle challenging problems at the cutting-edge of imaging advancement, achieving insights not accessible within a single discipline. As a PSIBS researcher, you will work with physical scientists (chemists, engineers and physicists) to gain an understanding of the processes of image formation and the development of image-enhancing agents, tracers and probes, as well as laboratory expertise and a grounding in generic scientific methodologies. You will work with computer scientists to gain skills in complex data modelling and image analysis. You will also work with life scientists to develop a knowledge of cellular and molecular biology, bio-systems, normal physiology and disease processes, with an awareness of topical research in these areas. We believe that scientists with this broad skill-base will push the boundaries of the field of imaging and contribute to future breakthroughs in biological and biomedical sciences.

Training Environment

In the first year of the programme you will follow a course of six tailor-made taught modules and three cross-disciplinary research mini-projects. On successful completion of this stage you will pursue an individual three-year major PhD research project. The Doctoral Training Centre provides study and pastoral support throughout all four years of study.

- Theoretical foundations
- Laboratory and practical skills
- Cross-disciplinary integration
- Training in enterprise, communication and other transferable skills
- Building networks within and beyond the University

Visit the online website of the Doctoral Training Centre at

www.birmingham.ac.uk/psibs

Contact: Professor Mike Hannon – +44 (0)121 414 8808

psibs@contacts.bham.ac.uk

For individual Masters programmes in Imaging, please see the School of Chemistry on page 125.

Engineering and Physical Sciences

School of Chemical Engineering

Chemical Engineering at Birmingham is one of the three largest centres for postgraduate education of chemical engineers in the UK. We have a postgraduate population of over 100, half from overseas, creating a truly multinational population and a lively, vibrant research environment. We have pioneered development and research in rapidly expanding new areas, such as pharmaceuticals and bioproducts, food processing, hydrogen fuel cells and energy research, as well as having leading-edge groups in fluid and particle mechanics. Staff in the School have a wide range of expertise in fields such as tissue engineering, supercritical fluid processing, mathematical modelling and pharmaceutical engineering.

Our reputation is reflected in our RAE rating, which shows us to be in the top five Chemical Engineering schools in the country; 20% of our outputs were in the highest 4* category (highest international, world-leading) and 45% in the 3* (high international) ranking.

The Centre for Formulation Engineering within the School received the Queen's Anniversary Prize for Higher Education in 2011 for its 'pioneering research into micro-structured materials and outstanding track record in collaborative research and training with UK and multi-national companies involved in process engineering.'

The School boasts two EPSRC Doctoral Training Centres; the Engineering Doctoral Centre in Formulation Engineering, in which researchers are embedded in companies to develop skills in applying academic research to problems of industrial value; and the Doctoral Training Centre in Hydrogen, Fuel Cells and their Applications (in collaboration with Nottingham and Loughborough universities). Both will provide ten training places per year to highly qualified science and engineering graduates. In addition, the School has received major funding from Science City for work in Hydrogen Energy and Advanced Materials, and has fully equipped labs for material and flow characterisation and analysis.

Staff in the School have strong links with industry; our aim is to carry out work of the highest academic quality, which

is directed to better understanding and solution of industry problems. Links with industry are strong, with most staff having collaborative research programmes with companies such as Unilever, Procter & Gamble, Johnson Matthey, Rolls Royce, Cadbury, PepsiCo, GSK, and Imerys. Many research projects have an industry component.

Facilities

Our Centre for Formulation Engineering enables research into structured products, in collaboration with Physics, Chemistry and Materials Science: £3.5 million of infrastructure funding has been used to modernise and redesign the laboratory space, bringing our bioprocessing facilities to Class 2 GMO standards, creating a suite of formulation engineering and computer laboratories and a pilot plant. Via the Hydrogen and Fuel Cells Doctoral Training Centre, we have purpose-built laboratories for development and testing of fuel cells and for hydrogen production via novel methods.

Postgraduate study

The modern focus of chemical engineering is on structured products where the micron-scale formulated structure determines the function of the material. Innovation in product and process requires interdisciplinary science and industry focus, both of which are internationally recognised at Birmingham.

The quality of our research students is a key factor in our continued success, and we recruit the best from around the world. Our research activity is collaborative, with new projects frequently bringing together academics with different interests. We also have current overseas collaborations with universities in Australia, China, Japan, India, Netherlands, Belgium, Germany, Italy, the Czech Republic, Poland, Portugal, Canada and the USA.

Duration of programmes

- PhD – 3 years full-time
- EngD/PhD with Integrated Study – 4 years full-time
- MRes – 1 year full-time; 2 years part-time
- MSc – 1 year full-time

Also see individual programme entries online at

www.birmingham.ac.uk/students/courses/postgraduate/index.aspx

Engineering and Physical Sciences

School of Chemical Engineering

Entry requirements

The normal entrance qualification for PhD and EngD study is either at least an upper second-class Honours degree, or a first degree of a lower classification, along with an MSc or evidence of substantial relevant industrial experience. Also see 'General entry requirements' on page 68 or visit our online prospectus at www.birmingham.ac.uk/students/requirements/index.aspx

English language requirements

Standard English language requirements apply – see page 68 for details.

Scholarships and studentships

Scholarships may be available contact the School directly or email financialsupport@bham.ac.uk

Fees

Standard fees apply (see pages 62–63 for details), except for continuing professional development programmes. Contact the CPD co-ordinator on +44 (0)121 414 5275 for further information.

Starting dates

There are no fixed dates for research degrees.
Taught programmes – September 2013.

Learn more

www.eng.bham.ac.uk/chemical

Taught programmes

Advanced Chemical Engineering MSc/Diploma **FT PT**

You learn about aspects of chemical engineering that deal with the design and development of formulated products such as food and pharmaceuticals. You take six core and six optional short-course taught modules and carry out a research project with one of the research teams (MSc only). Optional modules enable you to gain specific knowledge relating to food and/or pharmaceutical product development. You may also choose business and management modules, or develop mathematical modelling

skills. Modules are also available individually to fulfil continuing professional development needs.

Contact: Dr Neil Rowson – +44 (0)121 414 5298;
n.a.rowson@bham.ac.uk

Biochemical Engineering MSc/Diploma **FT PT**

If you are interested in pursuing a career in biochemical engineering, biotechnology or bioprocessing, then this programme will provide you with the basic knowledge and skills required. It covers aspects of modern bioprocessing and biochemical engineering, including the design and operation of advanced production plant and processes, the application of post-genomic high-throughput techniques, the production and purification of biopharmaceuticals and cutting-edge tissue replacement therapies. As well as lectures and tutorials, you undertake laboratory work and complete a full process plant design exercise. You also have practical experience of working in the newly-refurbished pilot plant of the Biochemical Engineering building, and gain research training on your own project attached to one of the teams working in the bioprocessing research section.

Contact: Dr Neil Rowson – +44 (0)121 414 5298;
n.a.rowson@bham.ac.uk

Air Pollution Management and Control MSc/Diploma **FT PT**

Run jointly with Environmental Health and Risk Management in the School of Geography, Earth and Environmental Sciences. This programme provides you with an understanding of the causes and effects of air pollution, and of the management measures and engineering technologies available for its control. The Diploma combines selected taught elements and the research project.

Contact: Dr Neil Rowson – +44 (0)121 414 5298;
n.a.rowson@bham.ac.uk

Food Safety, Hygiene and Management MSc/Diploma **FT PT**

This provides an advanced academic training in food and public health by addressing the scientific, technical, managerial, political and legislative factors that influence food safety.

Contact: Ms Madeline Smith – +44 (0)121 414 5291;
m.p.smith.20@bham.ac.uk

FT Full-time
PT Part-time
DL Distance Learning

Apply online see pages 66–69



Industrial Project Management MSc/Diploma

This is a part-time MSc programme addressing the challenges of project management in an industry context.

Contact: Dr Neil Rowson – +44 (0)121 414 5298;

n.a.rowson@bham.ac.uk

Continuing professional development

For details of our latest CPD packages, please visit our online postgraduate prospectus at www.birmingham.ac.uk/students/courses/postgraduate/index.aspx

Combined research and taught programmes

Formulation Engineering EngD

This is an EPSRC-sponsored doctoral research and training programme. You combine a research project based in industry with a Masters-level training and development programme. Companies participating in the scheme are involved in modern process engineering and formulation of multiphase structured materials.

Contact: Dr Richard Greenwood – +44 (0)121 414 7234;

r.w.greenwood@bham.ac.uk

Hydrogen, Fuel Cells and their Applications

PhD with Integrated study

Led by the University of Birmingham in collaboration with the universities of Loughborough and Nottingham, this is an EPSRC-sponsored doctoral research and training programme. The programme lasts for four years and is focused on hydrogen and fuel cells as renewable energy sources and how these can be integrated into everyday infrastructure. It includes 120 credits of taught modules in the first three years in science, engineering, energy, team building as well as business, economics and management, with research opportunities available in hydrogen and fuel cell technologies. You will have a systematic knowledge and understanding of hydrogen, fuel cells and their applications including developments and problems at the forefront of the discipline.

Contact: Mr John Hooper – +44 (0)781 414 5275;

j.c.hooper@bham.ac.uk

Chemical Engineering PhD with Integrated study

This PhD Programme combines a broad foundation in chemical/bioprocess engineering through taught and assessed coursework with the full research training of a traditional PhD.

Chemical Engineering Science MRes

Selected modules from our taught programmes can be combined with an extended research project to obtain an MRes degree. This is a strongly research-oriented qualification and provides excellent training for further research in industry or academia.

Contact: Dr Richard Greenwood – +44 (0)121 414 5275;

r.w.greenwood@bham.ac.uk

Hydrogen, Fuel Cells and their Applications MRes

This new programme demonstrates the exciting future promise of hydrogen, fuel cells and their applications in a zero-emission world. Participants are taught through modules in science, engineering, team building, and business and management and will complete a dissertation. Graduates will have a systematic knowledge and understanding of the discipline, able to evaluate current research critically and propose new hypotheses.

Contact: Mr John Hooper – +44 (0)781 414 5275;

j.c.hooper@bham.ac.uk

Doctoral research programme

Chemical Engineering PhD

Research areas include:

- Bioprocessing
- Energy and Chemical Industries
- Food Health and Nutrition
- Specialty Chemical Products

For further information on specific research interests of staff, please see our online prospectus at

www.bham.findaphd.com

Contact: Professor Mark Simmons – +44 (0)121 414 3947;

pg-admis-chem-eng@bham.ac.uk

Engineering and Physical Sciences

School of Chemistry

Chemistry is a rapidly changing and exciting subject that is crucial to our understanding of many of today's global issues. The School of Chemistry at Birmingham has a long and distinguished record in carrying out original research of international stature, and we are committed to continuing in this vein. In the pursuit of excellence, we cultivate an intellectual climate and offer state-of-the-art facilities that, together, foster academic success and recognition.

The School of Chemistry is undergoing a period of renaissance and growth. We have received significant investment in surface chemistry and analysis laboratories (£500,000), and won £2.5 million-worth of investment from Advantage West Midlands and the European Regional Development Fund to purchase state-of-the-art equipment and refurbish laboratory space for carrying out research under the heading of Advanced Materials Research. In 2008 we were awarded £6 million for an EPSRC Doctoral Training Centre: Physical Sciences of Imaging in the Biological Sciences (PSIBS) – see www.birmingham.ac.uk/psibs. As a research-led School, which has received significant recent investment in research infrastructure, we offer a high quality research environment that will provide you with the best starting point for your future career.

Facilities

Molecular Synthesis: The School is equipped with excellent facilities for synthetic chemistry and product analysis, housing one of the best centres for small-molecule characterisation in the UK. A full complement of technical services including glass-blowing, electrical and mechanical workshops is on hand to support the School's research.

Materials Chemistry: Having benefited from the recent awarding of a Science City bid, facilities for inorganic materials synthesis and characterisation are also state-of-the-art. The School now has an extensive suite of materials characterisation equipment. It is also unique among Chemistry departments in this country in having a magnetic resonance imaging spectrometer, specialising in the visualisation of chemical processes and reactions.

Nanoscale Chemistry: Further funding from Advantage West Midlands and the European Regional Development Fund has allowed the School to expand its surface characterisation and nanochemistry facility. Many research groups working in materials chemistry and nanoscale chemistry also make extensive use of national and international synchrotron and neutron facilities.

Theoretical Chemistry: The School has excellent computing facilities, which include access to the University's 1500 processor BlueBEAR supercomputing cluster, funded through SRIF3.

Postgraduate study

Our research facilities and infrastructure, in combination with the expertise provided by your project supervisor will ensure you have the best opportunity to succeed in your chosen area of specialised research. In addition to the specialist training that you will receive relevant to your research project, the School also places a high priority on providing more generic training.

As a new student joining the Research School, you will work closely with your academic supervisor to put together a Personal Development Plan that will identify courses and training opportunities, ranging from scientific record-keeping and report writing, through to presentation skills and health and safety. This aspect of your professional development is supported by the College and University Graduate Schools and will enable you to develop the more generic skills associated with research.

You will also have the opportunity to present your achievements and research aspirations to other members of the School through oral and poster presentations in our annual Postgraduate Symposium, as well as through more informal discussions with other people working in your research group or theme. The School actively encourages its students to present their research at national and international conferences and provides travel bursaries to help finance these trips.

- FT** Full-time
PT Part-time
DL Distance Learning

Apply online see pages 66–69



The School holds regular series of seminar programmes, supplemented by national or international conferences (often organised under the auspices of the Royal Society of Chemistry).

By the end of your time in the School, you will not only be an expert in your chosen area of research but also well qualified to enter the workplace, whether that be in academia or industry.

Duration of programmes

- PhD – 3–4 years full-time
- MSc by Research – 1 year full-time

Also see our online prospectus www.birmingham.ac.uk/students/courses/postgraduate/index.aspx

Entry requirements

See 'General entry requirements on page 68. Applicants must have at least an upper second-class UK Honours degree (or the equivalent) in Chemistry or a relevant related discipline. We accept a range of qualifications from different countries.

English language requirements

Standard English language requirements apply (see page 68).

Scholarships and studentships

Scholarships may be available; contact the School directly.

Fees

Standard fees apply (see pages 62–63 for details).

Starting dates

Contact the School directly for information on starting dates (students are normally expected to start either at the end of September/beginning of October or the beginning of January).

Learn more

www.birmingham.ac.uk/schools/chemistry

Taught programmes

Chemical Biology and Biomedical Imaging MSc

Chemistry for Biomedical Imaging MSc by Research

These interdisciplinary Masters programmes are suitable for graduates in chemistry, biochemistry, pharmacy and forensic science who wish to tackle challenging problems in life and medical sciences.

The programme, delivered by academic staff and practitioners in hospitals and industry, combines training in:

- Chemistry and physical techniques
- Data modelling and image analysis
- Life science and medicine

Gaining skills and expertise from different sciences and medicine will uniquely position you for careers in the healthcare, pharmaceutical and imaging industries. Our programmes also include cutting-edge research projects and offer the opportunity to pursue further doctoral (PhD) studies. The programmes are delivered within PSIBS unit, which is the UK EPSRC Centre of excellence for postgraduate training in Biomedical Imaging, led by Chemical Biology Professor, Mike Hannon.

Contact: Professor Mike Hannon – +44 (0)121 414 8808;

psibs@contacts.bham.ac.uk

www.birmingham.ac.uk/psibs

Doctoral research programmes

Chemistry PhD/MSc by Research

FT

Research areas (see www.birmingham.ac.uk/research/activity/chemistry) include:

- Biomolecular, supramolecular and nanoscale chemistry
- Molecular synthesis and catalysis
- Physical and theoretical chemistry
- Solid state chemistry

If you are interested in joining the School of Chemistry for postgraduate research, please contact: Postgraduate Admissions Secretary – +44 (0)121 414 2275; chem-pgadmissions@lists.bham.ac.uk

Engineering and Physical Sciences

School of Civil Engineering

Civil Engineering, in all its aspects, is a cornerstone of both development and sustainability of civilisations and we regard it to be an important aspect of education in engineering. There is a long history of education in this area at Birmingham and we take pride in providing a range of postgraduate taught programmes together with thorough training in research. Civil Engineering at Birmingham covers most branches of the discipline, thus preparing graduates for a variety of rewarding career opportunities in both industry and academia.

Facilities

Diverse teaching facilities are available, including high-quality lecture rooms and well-equipped and appropriately resourced research laboratories. These facilities are augmented by computer clusters supported by the discipline specific up-to-date software. Well-equipped facilities are also available for undertaking research in public health, soil mechanics, geotechnical engineering, water engineering, wind engineering, railway engineering and structural engineering. A range of flumes are available in the hydraulics laboratory. In addition to this, a facility to simulate down draughts from thunder storms, and three half-sleeper rigs for undertaking near full-scale investigations into railway track foundations have recently been commissioned. Advanced computer systems are provided for research into numerical modelling of complex systems and issues associated with sustainability. All our research teams are supported by funding from research councils, industry and other sources.

Postgraduate study

Research is carried out in the Infrastructure Engineering and Management Research Centre. We cover activities ranging from the management of water resources and the environment to the mechanical performance of complex structural units that could equally be used in aircraft and ships and for civil engineering purposes. As a result of this diversity and the need for collaboration between sub-disciplines, our research is organised into four broad themes (see 'Doctoral research programmes' listing). Within these themes, traditional subject areas are covered by a spectrum of projects that range from those generating fundamental understanding to those targeted at specific engineering applications of new knowledge, techniques or processes.

We offer high-quality, research-led taught programmes, which include an element of research training as well as comprehensive tuition in the specialist area. The MSc, Postgraduate Diploma and Postgraduate Certificate may be studied on a full- or part-time basis. All our MSc programmes are accredited by the IStructE, IHE, IHT and ICE. Some taught modules may be studied for continuing professional development. Our broad range of academic staff and their research interests will allow you to study subjects that lie between the traditional disciplines and to focus in depth on one particular field.

Duration of programmes

- PhD – 3 years full-time; part-time study also available
- MRes (MSc by Research) – 1 year full-time; 2 years part-time
- MSc – 1 year full-time; 2–3 years part-time
- MPhil – 2 years full-time; part-time study also available

Entry requirements

The normal academic entry qualification for PhD Study is either at least an upper second-class honours degree, or a first degree of lower classification, along with an MSc or evidence of substantial relevant industrial experience. The basic entry requirement for our taught programmes is a good Honours degree in an appropriate discipline. However, practical experience may also be an important consideration.

English language requirements

Except for the programmes in Railway Systems Engineering, standard English language requirements apply – see page 68 for details.

Scholarships and studentships

Scholarships may be available; contact the School directly or email financialsupport@bham.ac.uk

Fees

Standard fees apply (see pages 62–63 for details), except for:

- MSc in Geotechnical Engineering – £5,850 (UK/EU); £16,560 (overseas)
- MSc in Geotechnical Engineering and Management – £5,850 (UK/EU); £14,850 (overseas)

FT Full-time
PT Part-time
DL Distance Learning

Apply online see pages 66–69



■ **MSc in Railway Systems Engineering and Integration** – £12,330 (UK/EU); £16,500 (overseas)
 Please note fees listed are those charged in 2012–13 and are for guidance only and part-time fees are a proportion of the respective full-time fee. For more up-to-date information please contact the School directly.

Starting dates

Research degrees can start at any time of the year by agreement with the supervisor. Taught programmes – September/October 2013.

Learn more

www.birmingham.ac.uk/schools/civil-engineering

Taught programmes and continuing professional development

All our postgraduate programmes can be studied on either a full- or part-time basis leading to the award of Postgraduate Certificate, Diploma or MSc/MRes. In general, there are two terms of formal teaching through lectures, tutorials and coursework. All those studying for the MSc undertake an individual project, which full-time students carry out in the Summer term. MRes students undertake their thesis project throughout the academic year, in parallel to a limited programme of classroom based tuition.

Civil Engineering MSc/Diploma/Certificate **FT PT**

This programme is aimed at civil engineering and related graduates wishing to enter the profession and who choose to study a general Masters-level course rather than specialising in a particular subject area. It allows students to tailor their studies to meet the needs of their chosen career path by offering a wide range of modules which can be selected, together with a wide choice of individual research projects.

Civil Engineering and Management MSc/Diploma/certificate **FT PT**

This programme provides the relevant skills, knowledge and understanding to equip graduates for a career in engineering and project management. It addresses the working of engineering and construction organisations and provides disciplines and

techniques of practical use in civil engineering, management and implementation of all stages of construction and civil engineering projects. This opens up a wide range of career opportunities, as many of the techniques learnt are applicable both within and outside the civil engineering design and construction industry.

Construction Management MSc/Diploma/Certificate **FT PT**

Provides advanced training to graduates to develop construction management skills opening up leading roles in a professional capacity. The skills gained provide you with the ability to respond to changing requirements of the construction industry in both the UK and overseas. The programme includes lectures, tutorials, workshops, industrial seminars, site visits and individual projects.

Geotechnical Engineering MSc/Diploma/Certificate **FT PT**

Our aim is to provide advanced training to civil engineers and geologists who wish to widen their knowledge or to specialise in the field of geotechnical engineering. The programme includes lectures, design studies, laboratory classes, site visits and individual projects. In addition to this, external lectures are provided by experts and leaders from industry.

Geotechnical Engineering and Management MSc/Diploma/Certificate **FT PT**

This programme is aimed at civil engineers and geologists who wish to widen their professional scope, or to specialise in geotechnical engineering augmented with modern managerial skills. It consists of taught modules (lectures, laboratory classes, design exercises, workshops) and site visits.

Railway Systems Engineering and Integration

MSc/Diploma/Certificate **FT PT**

Provides the skills, know-how and knowledge required to manage the complex interfaces characterising existing and new railway systems. The programme develops your railway engineering knowledge, systems integration skills, and your ability to work in focused project teams. Technology-oriented modules cover the principles of rolling stock design, railway traction systems, infrastructure and track systems, as well as railway control. You will also study systems engineering and human factors,

Engineering and Physical Sciences

School of Civil Engineering

FT Full-time
PT Part-time
DL Distance Learning

Apply online see pages
 66–69

along with management focused modules. The programme features industrial visits and a European study tour.

For further information about the programmes in Railway Systems Engineering please contact:
 Mrs Joy Grey – +44 (0)121 414 4342

Road Management and Engineering

MSc/Diploma/Certificate

FT PT

The programme is designed for engineers aspiring to senior or middle-management positions in private or public sector organisations. It has a strong emphasis on equipping you with the appropriate technical and managerial skills required for the road asset manager. Core subjects covered include road financing, road design, materials, pavement design, road asset management, road safety and sustainable transport policy. The flexible programme is delivered through a combination of lectures, tutorials, site visits and a research project (for the MSc programme only).

Water Resources Technology and

Management MSc/Diploma/Certificate

FT PT

Climate change, population growth, urbanisation and pollution all mean that society faces the urgent need to adapt to reductions in natural resource availability and energy consumption. At the very heart of this is the availability and management of water and this intensive programme recognises water as the world's most precious natural resource. It provides advanced training to engineers and scientists in order to develop their understanding of the activities involved in the design and operation of water engineering systems. This opens up the range of career opportunities available for specialists who understand the complex role of water in modern society, and can provide guidance to ensure optimum utilisation of this often scarce resource. The integrated approach to the water cycle and the use of modern management techniques both help to ensure that graduates of the programme can attain senior management positions in the water industry, both in the UK and overseas.

For further information about the above taught programmes please contact: +44 (0)121 414 5089;
 pga-civeng@bham.ac.uk or visit
www.birmingham.ac.uk/schools/civil-engineering

Combined research and taught programmes

Engineering, Sustainability and Resilience MRes

FT

The main component of this new programme is a research project which provides structured training in research. Usually carried out with industrial involvement, with some time spent in the collaborating organisation, this programme includes study in your area of interest within the theme of engineering resilience and sustainability.

Contact: Dr Tung-Chai Ling – +44 (0)121 414 5146;
 t.ling.1@bham.ac.uk

Railway Systems Integration MRes

FT

This new interdisciplinary programme combines a major research project with technical study to build on previous academic study or industrial experience in a relevant subject area. You will benefit from the fundamental and applied research being carried out in the Birmingham Centre for Railway Research and Education. Comprising two-thirds research, this programme allows you to carry out a detailed research project, usually in collaboration with industry, whilst learning more about specific technical and management issues relevant to the railway industry.

Contact: Professor Chris Baker – +44 (0)121 414 5067;
 c.j.baker@bham.ac.uk

Doctoral research programmes

Civil Engineering PhD/MSc by Research

FT PT

Our research tackles the problems faced by society today and develops the knowledge and tools to build the communities of the future. Many of our projects have already had a significant impact on society; the impact of others will be felt by generations to come. Research within the School is clustered into two themes:

- Railways and Transport
- Resilience and Sustainability

Further information, including examples of research projects, can be found in our online prospectus
www.birmingham.ac.uk/students/courses/postgraduate/research/listing.aspx
 Contact: Professor Miles Tight – +44 (0)121 414 5071;
 m.r.tight@bham.ac.uk

Engineering and Physical Sciences

School of Computer Science

Computer Science at Birmingham dates back to the late 1950s, with the School of Computer Science becoming one of the first academic departments in the UK to undertake research and teaching in this field. Some 60 years later, we now provide specialist teaching and conduct world-leading research in fundamental and applied computer science, artificial intelligence, optimisation, computer security, robotics and medical imaging. We are at the forefront of many areas of this dynamic field – for example; we invented and developed the SIAscope, a unique imaging device used by dermatologists to aid the early diagnosis of skin cancers.

Ranked by our 2008 RAE success as joint seventh in the UK for the quality of our ‘world-leading’ research, we are proud to deliver outstanding postgraduate education informed by academics at the forefront of their fields. We welcome applications from highly motivated and well-qualified graduates and look forward to providing you with the chance to be involved in our innovative research-led developments as they are being made.

Facilities

The School resides in a purpose-designed building, which offers 24-hour, 7 days a week swipe card access to an impressive range of state-of-the-art facilities. These include dedicated laboratories for teaching, robotics and medical imaging, cluster computing suites, a full wireless network, a computer science reference library and social spaces – providing computer science students with innovative space for independent and group-based learning as well as socialising.

Postgraduate study

We are home to the Centre of Excellence for Research in Computational Intelligence and Applications (CERCIA). We collaborate with major industry players and hold over £12 million in externally funded grants and contracts.

We are a truly international School, with postgraduate students and staff from many countries contributing to the rich diversity of our research community. Active links with other global universities give our postgraduates opportunities to join international research partnerships in Australia, Canada, China, New Zealand, Singapore, South Korea, Sweden and the USA.

We supervise PhD and MPhil students in a range of fundamental and applied areas of computer science. We offer both taught and taught-research Masters degrees and we currently have around 150 students on these programmes. Detailed information about our postgraduate programmes is available on our website www.cs.bham.ac.uk

We hold postgraduate information days at various times throughout the year. Contact us for further details – +44 (0)121 415 8742; msc-admissions@cs.bham.ac.uk

Duration of programmes

- PhD – 3 years full-time
- MSc by Research – 1 year full-time
- MSc – 1 year full-time

Also see our online prospectus:

www.birmingham.ac.uk/students/courses/postgraduate

Entry requirements

See ‘General entry requirements’ on page 68. Also see individual programme entries for additional requirements online www.birmingham.ac.uk/students/requirements

English language requirements

IELTS – minimum of 6.0; no less than 5.5 in any section
TOEFL (internet-based test) – minimum of 87; no less than 21 in listening, 22 in reading, 23 in speaking and 25 in writing.

Scholarships and studentships

Scholarships may be available: for details contact the School directly or email financialsupport@bham.ac.uk

Fees

Standard fees apply (see pages 62–63 for details).

Starting dates

Most Masters courses start in September 2013. Contact the School directly for information about specific starting dates.

Learn more

www.cs.bham.ac.uk

Engineering and Physical Sciences

School of Computer Science

Taught programmes

Advanced Computer Science MSc

FT

An advanced programme drawing upon our international research reputation and is designed to prepare you for a career in academic or industrial research in computer science. It offers a broad range of advanced taught modules and deepens your knowledge through individual supervision in one of the many research areas of the School. In the final four months, one of the mini-projects is extended into the final summer dissertation.

Contact: Professor Andrew Howes –
+44 (0)121 415 8742; msc-admissions@cs.bham.ac.uk

Computer Science MSc

FT

This one-year programme offers two routes of study depending upon the experience and knowledge of the student.

- Route 1: A 'conversion' Masters, for graduates new to computing
- Route 2: A consecutive Masters for graduates with some prior experience of computing and object-oriented programming

Both routes provide a technical degree with much programming, designed to give you a grounding in both the fundamentals of computer science, practical software development skills and choice of in-depth modules for both Route 1 and Route 2 students. The final four months are spent on an individual project of your choice.

Contact: Dr Jim Yandle – +44 (0)121 415 8742;
msc-admissions@cs.bham.ac.uk

Computer Security MSc

FT

For graduates in a computing-related discipline; this programme covers the theory and practice of designing and building secure systems and provides a firm grounding in cryptography, network security and secure programming. It gives you practical experience with technologies and toolkits for building internet-based software. You also undertake a large, personally supervised project in the final months of the course with the potential to present at top computer security conferences.

Contact: Professor Uday Reddy – +44 (0)121 415 8742;
msc-admissions@cs.bham.ac.uk

Human Computer Interaction MSc

FT

Human Computer Interaction concerns the study of how people, organisations and communities use computers and smartphones.

In this course you will cover the underpinning theories, methodologies and practice of the discipline. You will also have the opportunity to broaden your studies through optional modules in areas such as Robotics, Nature Inspired Computing or Security. The course builds upon the world class research of the HCI Centre through project work and is designed to prepare you for a career in research or in industry or commerce.

Contact: Robert Hendley – +44 (0)121 415 8742;
msc-admissions@cs.bham.ac.uk

Multidisciplinary Optimisation MSc

FT

The MSc in Multidisciplinary Optimisation is a one-year full-time degree for students who would like to receive practical, technical and theoretical training in advanced aspects of optimisation.

Optimisation problems arise in all aspects of mathematics, science and engineering. However, the technical and theoretical skills required are often outside the scope of a traditional single discipline based degree. This programme is targeted at strong mathematics, science or engineering graduates who wish to gain valuable skills and techniques in this area, which will be a considerable asset to their further study or employability.

Contact: Dr Shan He – +44 (0)121 415 8742;
msc-admissions@cs.bham.ac.uk

Robotics MSc

FT

The MSc in Robotics is a one-year full-time degree for graduates of numerate disciplines allied to robotics, including electronic engineering, computer science, mechanical engineering, physics and mathematics. Students will learn theories of intelligent robotic control and software tools required to implement standard algorithms in mobile robots and robot manipulators. Graduates of the programme will either work in industry or pursue a research degree in robotics. Entrants to the programme should have a good level of mathematical ability in probability theory, linear algebra, and mathematical analysis, and the ability to program in either C/C++ or Java.

Contact: Dr Michael Mistry – +44 (0)121 415 8742;
msc-admissions@cs.bham.ac.uk

- FT** Full-time
PT Part-time
DL Distance Learning

Apply online see pages 66–69



Doctoral research programmes

Natural Computation MRes

The MRes in Natural Computation is a one-year full-time degree for students who have found their undergraduate study stimulating and want to learn in-depth about this emerging interdisciplinary field. This programme is designed for students wishing to undertake a challenging research-oriented Masters degree.

Contact: Dr Shan He – +44 (0)121 415 8742;
 msc-admissions@cs.bham.ac.uk

Computer Science PhD/MSc by Research

For research themes, please visit our website

www.cs.bham.ac.uk/admissions/postgraduate-research

For general information about admission to our doctoral research programmes, please contact: Dr Hayo Thielecke – +44 (0)121 414 3744; Fax: +44 (0)121 414 4281;
 research-admissions@cs.bham.ac.uk

www.cs.bham.ac.uk/admissions

Research areas include:

Artificial intelligence

Sub-themes:

- Reasoning and cognition
- Robotics
- Natural language processing

Nature-inspired computation

Sub-themes:

- Natural computation
- Image interpretation

FT Computing and systems

Sub-themes:

- Distributed Systems
- Human–computer interaction
- Modelling and analysis of systems

Theoretical computer science

Sub-themes:

- Principles of programming
- Mathematical foundations of computer science

Engineering and Physical Sciences

School of Electronic, Electrical and Computer Engineering

Our research and teaching stretches from materials, devices and systems – with close links with physics – through the generation and distribution of electrical energy, the railway network, communications and applied computing, to activities in serious games and human interaction technologies, which border on applied psychology. With 30 academic staff and nearly 40 support staff, it's likely that we will be active in whichever aspect of Electrical and Computer Engineering is of interest to you. Our turnover on research is around £3 million per year, which comes from a variety of sources including UK government and industry as well as the EU. We are keen to welcome new students who have ability, enthusiasm and commitment.

Over 25 years, the Institution of Engineering and Technology (IET) has recognised our taught programmes as the first steps towards professional chartered engineer status, and accreditation of our courses was confirmed by the IET in 2008. In the 2008 Research Assessment Exercise, 85% of our research was judged to be of international standing while 60% was internationally leading. Our aim is to maintain and improve on this high quality in all aspects of our work.

Facilities

The School of Electronic, Electrical and Computer Engineering has extensive computing facilities with over 150 PCs in our clusters. These PCs run the latest version of Windows (at the moment this is Windows 7) that will support the extensive range of applications software available. Selected computers will also run Linux. The computer systems available are of a high specification and are regularly upgraded. The installed software includes, amongst other items: Word processing, spreadsheet, database and web page design software. There is a wide range of technical software provided for project and assignment work. This includes CAD systems for circuit simulation, programming FPGAs, PCB design, system simulation, software design and programming. There is support for microcontroller and DSP (Analog Devices Blackfin 561) programming, RF circuit and antenna design, for the creation of virtual environments, spoken language and computer vision.

We are members of the Microsoft MSDNAA scheme. This means that we can make the latest versions of Microsoft development tools, project management and tools and operating systems available to students, at minimal cost.

The specialist equipment available to students for project work, through research groups includes, RF spectrum analysers, RF signal generators, RF and Audio anechoic chambers, digital analysers, advanced FPGA development systems, active vision systems, an optics laboratory, audio recording booth. The well-stocked central University Library is also nearby. Students have online access to the University Library, to IET, IEEE and many other leading academic journals.

Postgraduate study

Research studentships and scholarships are available to excellent applicants, reflecting the vital contribution that postgraduates make to the high quality research activity of the School.

Our postgraduates work in research groups within research centres. Each research group provides challenge, support, good supervision and outstanding facilities. Strong collaboration with industry ensures research projects are industrially relevant, preparing PhD graduates for high-ranking positions in their chosen career.

We offer research for MSc by Research, MRes and PhD degrees in the mainstream areas of communications, control engineering, power, solid-state devices, digital systems, human-centred technology and human interface technologies, and also in specialist areas such as acoustics and sonar, speech and image processing, microwave circuits, materials and high-critical temperature superconductivity. You can also advance your knowledge by studying for an MSc degree in areas related to our research interests. The MSc programmes can be studied full-time or part-time. The modules of each degree programme are organised as short intensive series of lectures followed by a period of enquiry-based learning. Our taught Masters programmes are particularly suitable for part-time study by practising engineers. They provide excellent education and training, and can improve your capabilities and career prospects.

- FT** Full-time
PT Part-time
DL Distance Learning

Apply online see pages 66–69



Duration of programmes

- PhD – 3 years full-time
- MSc by Research/MRes – 1 year full-time
- MSc – 1 year full-time, or up to 5 years on a flexible, part-time basis
- MSc with Industrial Studies – 18 months full-time

Also see our online prospectus www.birmingham.ac.uk/students/courses/postgraduate

Entry requirements

The normal entrance requirements for MRes, MSc by Research, or PhD study are a first degree of at least good UK upper second-class honours standard, an appropriate standard of English and adequate financial support. The requirements also allow for entry based on comparable ability, as indicated by a good UK MSc performance or a lower first degree performance plus substantial relevant experience. For standard MSc programmes, you should have at least a 2:2 Honours degree.* For MSc with Industrial Studies, you should have a 2:1 Honours.* Also see 'General entry requirements' on page 68 or visit our online prospectus www.birmingham.ac.uk/students/requirements

* A degree from a university of high international standing in a relevant subject

English language requirements

Standard MSc students need to meet the standard English requirements (see page 68 for details).

MSc with Industrial Studies programmes students should have English language ability as follows:

- TOEFL (internet-based) 93 with no less than 21 in listening, 22 in reading, 23 in speaking and 21 in writing
- IELTS 6.5 with no less than 6.0 in any band

Scholarships and studentships

Contact the School directly or email financialsupport@bham.ac.uk

Fees

Standard fees apply (see pages 62–62 for details), except for the MSc with Industrial Studies: UK – £6,190, overseas – £19,745. Please note that these fees are those charged in 2012–13 and are for guidance only. For the latest information contact the School directly.

Starting dates

Registration for PhD and MSc by Research: study can take place at the beginning of any month. MSc and MRes programmes begin at the start of the Autumn term.

Learn more

www.eece.bham.ac.uk

Taught programmes

Communications Engineering and Networks MSc **FT PT**
Communications Engineering and Networks with Industrial Studies MSc **FT**

These programmes provide the knowledge and skills needed to play a leading part in the future development of communications engineering and communications networks with companies in mature and rapidly growing economies. You will have the opportunity to study topics such as: principles for communications; satellite cellular and optical fibre communications; computer and communications networks; and small embedded systems.

Digital Entrepreneurship MSc **FT**

You will gain the knowledge to design novel digital technology and understand how to set up enterprises to commercially exploit these designs. You will develop a systematic knowledge and understanding of topics selected from areas such as human–computer interaction, socio-economic impacts of technology, and risk in software development. The programme provides an excellent starting point for further research or for employment with innovative technology companies. A key element of the programme is an individual project that provides you with an opportunity to pitch your concept to potential investors.

Engineering and Physical Sciences

School of Electronic, Electrical and Computer Engineering

Embedded Systems MSc

Embedded Systems with Industrial Studies MSc

These programmes are designed to give you the knowledge and skills needed to play a leading part in the research and development of the electronic systems vital to the growth of global economies: these systems proliferate where digital electronics, communications, computing and power systems are integrated. You will learn about the design of small scale embedded systems, digital signal processing, and a selection of topics from communications engineering, spoken language processing and image interpretation.

FT PT

FT

Radio Frequency and Microwave Engineering MSc

FT PT

Radio Frequency and Microwave Engineering with Industrial Studies MSc

FT

These programmes provide the knowledge and skills needed by innovative technology companies and a starting point for a career in research in radio frequency, microwave and millimetre wave engineering. You will study modules that reinforce the fundamentals of communications engineering and advanced modules in principles of communications, electromagnetics, antennas and propagation; satellite, cellular and optical fibre communications, and radio frequency sensors and systems. The programme is taught by staff who are at the forefront of research in passive and active microwave circuits, micromechanical electromagnetic systems, antennas, and propagation studies.

Electronic and Computer Engineering MSc

FT PT

Electronic and Computer Engineering with Industrial Studies MSc

FT

These programmes provide an opportunity to create a personalised study package covering modules in communications engineering, digital electronics, spoken language processing and image interpretation, which will prepare you to play a leading role in research and development for almost any part of the electronics industry. In particular you are free to combine selected aspects of communications engineering with electronics design and speech and image analysis and interpretation.

Electromagnetic Sensor Networks MSc

FT PT

Electromagnetic Sensor Networks with Industrial Studies MSc

FT

Electromagnetic sensor networks is an emerging field that will be at the forefront of economic growth and research in the next decade, helping to create a safer world for all. These programmes will equip you with the knowledge and skills needed to play a leading part in future developments that are central to the security and surveillance industry. A wide range of topics are available for study in communications engineering, electromagnetics, antennas and sensor networks with options in embedded systems and radiowave propagation.

MSc programmes with Industrial Studies

In addition to the modules taken as part of a standard MSc degree, these programmes includes an industrial placement module. Following the summer placement, you return to the University to begin an individual project. The placement provides an opportunity for students to develop ideas for the individual project, in topics related to the interests of the host company.

Contact for all MSc programmes: Mr David Pycock –
+44 (0)121 414 4330/4292; d.pycock@bham.ac.uk

Combined research and taught programme

Electronic, Electrical and Computer Engineering MRes

FT

A one-year programme primarily intended for candidates who wish to pursue a career in research; provides training in research skills appropriate for both industrial and academic careers. One-third of your time is spent on coursework and professional and research skills, with the remaining time devoted to a research project.

Contact: Professor Michael Lancaster, Programme Director –
+44 (0)121 414 4317; m.j.lancaster@bham.ac.uk

- FT** Full-time
PT Part-time
DL Distance Learning

Apply online see pages 66–69



Doctoral research programmes

Electronic, Electrical and Computing

Engineering PhD/MPhil

Research groups include:

■ **Biomedical Informatics**

Contact: Dr Theodoros Arvanitis – +44 (0)121 414 4288;
 t.n.arvanitis@bham.ac.uk

www.ehealth.bham.ac.uk

■ **Communications Engineering**

Contact: Dr Peter Gardner – +44 (0)121 414 4343;
 p.gardner@bham.ac.uk

www.eee.bham.ac.uk/com_test

■ **Electrical Power and Energy**

Contact: Dr Xiao-Ping Zhang – +44 (0)121 414 4298;
 x.p.zhang@bham.ac.uk

■ **Emerging Device Technology**

Contact: Professor Michael Lancaster – +44 (0)121 414 4317;
 m.j.lancaster@bham.ac.uk

www.edt.bham.ac.uk

■ **Human Interface Technologies**

Contact: Professor Bob Stone – +44 (0)121 414 7395;
 r.j.stone@bham.ac.uk

www.iecs.bham.ac.uk/hit

■ **Magnetic Resonance Imaging and Spectroscopy**

Contact: Dr Theodoros Arvanitis – +44 (0)121 414 4288;
 t.n.arvanitis@bham.ac.uk

www.ehealth.bham.ac.uk

■ **Microwave Integrated Systems Lab**

Contact: Professor Mike Cherniakov – +44(0)121 414 4286;
 m.cherniakov@bham.ac.uk

■ **Multimodal Interaction Technologies**

Contact: Professor Martin Russell – +44 (0)121 414 3093;
 m.j.russell@bham.ac.uk

www.eee.bham.ac.uk/dsvp_gr/index.htm

■ **Railway Systems**

Contact: Professor Clive Roberts – +44 (0)121 414 4306;
 c.roberts.20@bham.ac.uk

FT www.railway.bham.ac.uk

Additional information about these research areas is available from the Postgraduate Secretary – +44 (0)121 414 4292; eeepostgrad@bham.ac.uk

Engineering and Physical Sciences

School of Mathematics

The School of Mathematics has around 50 academic staff, 15 research staff, approximately 50 research students, and other staff providing computing and secretarial support. We have recently expanded our research activities by increasing the numbers of our graduate students. The School has a strong research culture, with many researchers of international stature in each of our main specialisms.

Facilities

We provide our research students with pleasant office space and all our students have access to individual PCs. The University's Library Services Department supports most of the major mathematical and statistical packages, and a range of workstations and PCs within the School. We also have access to a supercomputer for work in Applied Mathematics. The School of Mathematics is a founding member of MAGIC, the 'Mathematics Access Grid: Instruction and Collaboration'. This is an interactive video conferencing resource, which is used to present lectures to postgraduate students across the whole of England. Our postgraduate lectures are broadcast to over 13 English universities and our students have the opportunity to collaborate with students and academics in other universities. This is a very exciting development and means that postgraduate students will have access to lecturers not available on their own campus.

Postgraduate study

We have a talented postgraduate community of over 50 young researchers represented by UK, EU and international students, and a vibrant postgraduate society called BUMPS. Visit their website at web.mat.bham.ac.uk/pgweb/index.php

We are keen to attract further well-motivated and able research students, and invite applications. We encourage applicants to visit the School whenever possible, to meet our staff and our lively and talented group of postgraduates, and to find out more about research student life at Birmingham. There are opportunities for postgraduate research at PhD and MPhil levels. Training is provided through individual supervision of research, by advanced seminar courses and conferences, and by generic courses. The PhD degree involves a qualifying dissertation submitted during

the second year of study. We expect students to give seminars, attend conferences and present papers, preparing them for professional life. Prospective applicants who would like to discuss particular research areas are welcome to contact staff members associated with each of the main research areas. All enquiries about admissions should be made to the Graduate School Admissions Office.

Contact: Mrs Janette Lowe – +44 (0)121 414 6193;
pgoffice@maths.bham.ac.uk

Applications can be made online
www.mat.bham.ac.uk/graduateschool

Duration of programmes

- PhD – 3–4 years full-time
- MRes – 12 months full-time, 24 months part-time
- MSc – 1 year full-time
- PGCert – 1 year full-time

Entry requirements

See 'General entry requirements' on page 68. Also see individual programme entries for additional requirements online www.birmingham.ac.uk/students/requirements

English language requirements

Standard English language requirements apply (see page 68).

Scholarships and studentships

Scholarships may be available contact the School directly or email financialsupport@bham.ac.uk

Fees

Standard fees apply (see pages 62–63 for details). For the most up-to-date information contact the School directly.

Starting dates

Programmes start in September 2013.

Learn more
www.mat.bham.ac.uk

FT Full-time
PT Part-time
DL Distance Learning

Apply online see pages 66–69



Taught programmes

Financial Engineering MSc

FT

Financial engineering is a multi-disciplinary field that involves the application of computational engineering, software engineering, and computer programming skills, as well as the underlying mathematical and statistical theory to the analysis and management of financial opportunities. The programme is for strong (1st, 2:1 or equivalent) graduates from programmes in mathematics, or programmes with advanced mathematical components, and who wish to pursue a career in quantitative analysis in economic or financial sectors with state-of-art mathematical methods, computational skills and programming expertise.

Contact: Dr Hui Li – +44 (0)121 414 3741;
 h.li.4@bham.ac.uk

Mathematics, Operational Research, Statistics and Econometrics (MORSE) MSc

FT

This postgraduate degree is an ideal preparation for a career in economics, medicine, finance, insurance and industrial management. In the United Kingdom, there is a shortage of personnel who are highly qualified in statistics and operational research. This shortage is predicted to increase in the future. To be accepted onto this programme a high standard in a mathematically based undergraduate degree must have been achieved, equivalent to a UK upper second or first class degree. Contact: Dr Prakash N Patil – +44 (0)121 414 6191;
 p.n.patil@bham.ac.uk

Mathematics and Computing in Biology and Medicine MSc

FT

In the post-human genome project era, biology and medicine are being revolutionised by new technologies which allow the measurement of the highly complex molecular signatures of health and disease. For this to be capitalised upon in the fight for new treatments and diagnostics for life-threatening diseases, there is a fundamental need in both academic research and

biotechnology for a new generation of scientists trained to work at the frontiers of mathematics, computational biology and healthcare research. The programme is for strong (upper second or equivalent) graduates from programmes in mathematics, or programmes with advanced mathematical components, including physics and some engineering subjects, who wish to work in interdisciplinary research at the interfaces of mathematics, computing and biology.

Contact: Dr Rosemary Dyson – +44 (0)121 414 3415;
 r.j.dyson@bham.ac.uk

Multidisciplinary Optimisation MSc

FT

Optimisation problems arise in all aspects of mathematics, science and engineering. However, the technical and theoretical skills required are often outside the scope of traditional single-discipline-based degrees. This programme covers the field of optimisation from a highly multidisciplinary point of view. A minimum of upper second, or equivalent, in a science or engineering subject is required to be accepted onto this programme with sufficiently high marks in fundamental mathematics and computing.

Contact: Dr Pietro Oliveto – +44 (0)121 5142;
 olivetps@cs.bham.ac.uk

Mathematical Finance MSc

FT

Taught jointly with Economics – see page 207

This programme provides skills enabling technically able graduates (including in mathematics, science and engineering) to apply quantitative training to financial analysis. You take a number of compulsory courses, optional courses, and write a dissertation. We expect graduates from this Masters to take positions in quantitative analysis (or similar) in major financial institutions, or to go on to postgraduate research. To apply, you need a good first degree in Economics or a related discipline.

Contact: The Postgraduate Administrator
 Department of Economics – +44 (0)121 414 6650;
 e.p.steadman@bham.ac.uk

Engineering and Physical Sciences

School of Mathematics

FT Full-time
PT Part-time
DL Distance Learning

[Apply online](#) see pages
66–69

Pre-Masters Certificate in Mathematics PGCert

This programme provides an opportunity for excellent graduates in any programme with a substantial mathematics element to fill in the gaps in their mathematical background and thus enable them to study an MSc programme, either organised by the School of Mathematics or by another school with a contribution from the School of Mathematics. Based on individual assessments of the candidates, a bespoke programme will be compiled for them from the list of optional modules.

Contact: Dr Richard Mycroft – +44 (0)121 414 6590;
 r.mycroft@bham.ac.uk

Combined research and taught programmes

Applied Mathematics MRes

FT PT

Management Mathematics MRes

FT PT

Pure Mathematics MRes

FT PT

Statistics MRes

FT PT

These degrees give comprehensive training in mathematics and areas appropriate to professional development and research foundations. To be accepted onto these programmes a high standard in a mathematically based undergraduate degree must have been achieved, equivalent to a UK upper-second or first-class MSci degree. These courses are approximately one-third coursework and two-thirds dissertation.

Contact: Mrs Janette Lowe – +44 (0)121 414 6193;
 pgoffice@maths.bham.ac.uk

Doctoral research programmes

Applied Mathematics PhD

FT PT

This group has an international reputation for its research work on topics in fluid mechanics, applied analysis, mathematical biology, financial mathematics, nonlinear waves and scientific computing.

Contact: Mrs Janette Lowe – +44 (0)121 414 6193;
 pgoffice@maths.bham.ac.uk

Management Mathematics PhD

FT PT

This internationally leading group of researchers focuses on mathematical theory and methods applicable to managerial decision making, particularly non-linear, discrete and multi-criteria optimisation.

Contact: Mrs Janette Lowe – +44 (0)121 414 6193;
 pgoffice@maths.bham.ac.uk

Pure Mathematics PhD

FT PT

The Pure Mathematics group is made up of world leading mathematicians working in algebra, analysis, logic and combinatorics.

Contact: Professor Sergey Shpectorov –
 +44 (0)121 414 6604; s.shpectorov@bham.ac.uk

Statistics PhD

FT PT

This growing group in the department mainly focuses on research into nonparametric, time series and robust methods and medical statistics.

Contact: Mrs Janette Lowe – +44 (0)121 414 6193;
 pgoffice@maths.bham.ac.uk

Engineering and Physical Sciences

School of Mechanical Engineering

We apply engineering science to solving problems that are important to industry and society, and pride ourselves on our active role in passing this expertise to future generations of mechanical engineers. Our teaching and research cover new technologies, such as micro-engineering, novel combustion and fuel technologies, conventional mechanical and manufacturing engineering, and new applications such as medical implants. Our research is often interdisciplinary, involving not only other areas of engineering but also biological sciences, chemistry, medicine, physics and psychology.

In the 2008 UK Research Assessment Exercise, 70% of our research was judged to be world leading or internationally excellent.

Facilities

We occupy 7,000 square metres in a recently-refurbished building shared with Civil Engineering. Our Design Centre houses over 80 networked computers for computer-aided engineering including computer-aided design (CAD), computer-aided manufacture (CAM), finite-element analysis (FEA), computational fluid dynamics (CFD) and systems modelling (engine systems; 1-d gas dynamic). There are also facilities for group design work, two RP3D printing machines complementing the existing Denford table top four axis Compact 1000 Pro CNC router and milling machines.

Our £2.5 million machining research equipment is housed in a single purpose-built laboratory, enabling us to complete research contracts with industrial partners involving aeroengine manufacture, new materials evaluation (including titaniums and carbon fibre composites) and micro-sensor development for a whole range of applications.

Our new engines laboratories are being used to research engines for hybrid vehicle power-trains in highly realistic transient speed/load conditions, including the effects of very cold start and combustion air (from -20°C) on emissions and performance.

We also have a biomedical engineering laboratory within a Class 2 containment area, equipped with the latest electro-mechanical testing machines for evaluating surgical implants, enabling us to work with surgeons and with the healthcare industry. Our clean room houses nanotechnology equipment used to make micro-electro-mechanical systems (MEMS).

Postgraduate study

We offer PhD and MSc degrees by research, and also MSc by taught programme.

If you want to do a research degree, you will work in one of our research centres: Advanced Manufacturing Centre; Biomedical and Microengineering; and Vehicle Technology. Most projects involve applying engineering principles to real problems and often involve collaboration with industry. You will have a supervisor with expertise in the area of your chosen project and some projects may involve the expertise of academic staff from more than one centre.

Duration of programmes

- PhD – 3 years full-time (part-time equivalents are available)
- MSc by Research – 1 year full-time; 2 years part-time
- MSc (taught) – 1 year full-time; 2 years part-time

Entry requirements

See 'General entry requirements' on page 68 or visit our online prospectus www.birmingham.ac.uk/students/requirements

English language requirements

Standard English requirements apply (see page 68 for details).

Scholarships and studentships

Currently we provide support for five or six UK/EU research students a year from a variety of sources, together with part-funding for two to three highly-qualified overseas research students. Other sources of funding are the Engineering and Physical Sciences Research Council (EPSRC), the Biotechnology and Biological Sciences Research Council (BBSRC), the

Engineering and Physical Sciences

School of Mechanical Engineering

FT Full-time
PT Part-time
DL Distance Learning

Apply online see pages 66–69

Knowledge Transfer Partnership (KTP), the European Union and industrial funding for UK and EU students. For more information contact the School directly or email financialsupport@bham.ac.uk

International students can often gain funding through overseas research scholarships, Commonwealth scholarships or their home government. See also www.birmingham.ac.uk/international/students/finance/scholarships/index.aspx

Fees

Standard fees apply (see pages 62–63 for details). For the most up-to-date information contact the School directly.

Starting dates

Contact the School directly for further information.

Learn more

www.eng.bham.ac.uk/mechanical

Taught programmes

Engineering Management MSc

FT

For holders of at least an upper second-class Honours degree in engineering who would benefit from completing technically-based study at postgraduate level with some management. On completion, you are skilled to work within the industrial engineering and/or technical management areas of production and manufacturing.

Operations Management MSc

FT

Designed to provide specific academic expertise and practical experience enabling those with at least an upper second-class Honours degree in engineering to take up positions in operations management, as well as in logistics planning within the industrial, commercial or service sectors. On completion, you are able to analyse various systems, practices and procedures employed in the management of operations; design such systems from new; evaluate and report on their effectiveness and appropriateness; and assess real organisations from a practical operations management perspective.

Project Management MSc

FT

Provides a practical understanding of the skills and techniques for successfully managing projects in commerce and industry; aimed at graduates with at least an upper second-class Honours degree in any engineering subject. It covers managerial and quantitative techniques, as well as the professional communication skills needed to manage change in a technical environment.

Our Engineering and Management programmes may change as we review our MSc provision. Before making an application, we suggest that you contact the School directly for the most up-to-date information.

Contact the Postgraduate Office – +44 (0)121 414 4233; mech-postgrad@bham.ac.uk

Doctoral research programmes

Mechanical Engineering PhD/MSc by Research

FT

Research areas include:

■ Advanced Manufacturing Centre

Contact: Professor Stefan Dimov – +44 (0)121 414 7355; s.s.dimov@bham.ac.uk

■ Biomedical and Microengineering

Contact: Professor Kyle Jiang – +44 (0)121 414 6800; k.jiang@bham.ac.uk

■ Vehicle technology

Contact: Professor Hongming Xu – +44 (0)121 414 4153; h.m.xu@bham.ac.uk

For more information please contact: Dr Raya AL-Dadah – +44 (0)121 414 3513; r.k.al-dadah@bham.ac.uk

Engineering and Physical Sciences

School of Metallurgy and Materials

The School of Metallurgy and Materials (including the IRC in Materials Processing) is the largest centre for materials research in the UK. We have more than 20 full-time academic staff in addition to 30 honorary and visiting staff, 50 research fellows and close to 150 postgraduate students.

Our diverse research portfolio ranges from fundamental aspects of materials science to practical high performance engineering applications. Research is funded from a wide range of sources including the UK research councils, the EU and a cross-section of UK and overseas industry. Our research income is around £4 million per annum. Most of our research projects involve active collaboration with industrial partners.

Facilities

We have first-class workshop facilities and a large suite of networked PCs, housed in a computing laboratory, which supplements the extensive computer facilities in individual research groups. Workstations and word processing facilities are widely available for our students.

We have an excellent range of research facilities for materials preparation and surface engineering. There are polymer-processing laboratories and the IRC possesses a large plasma-melting furnace, HIP equipment, direct laser fabrication, a shell laboratory and wax-dewaxing facility for investment casting, a laboratory for the hydrothermal synthesis and colloidal processing of ceramics, and the £8 million Net Shape Manufacturing Laboratory.

The physical techniques laboratory contains a wide range of equipment. The world-class mechanical testing laboratories provide facilities for fracture and fatigue studies and are accredited by Rolls-Royce for the acquisition and interpretation of data. Our creep-testing laboratory provides specialised mechanical testing for polymers and foams, and X-ray diffraction facilities provide essential back-up to crystal growth and alloy preparation. Microstructural assessment is provided for with optical microscopes and quantitative image analysis, and an extensive range of electron microscopes. The new hydrogen technology laboratory contains equipment to characterise the

properties of materials in hydrogen, and we have good facilities for the fabrication and characterisation of optical fibre sensors.

Postgraduate study

The quality of the research work in Metallurgy and Materials has been confirmed by our performance in successive Research Assessment Exercises. We are justly proud of this international reputation and are keen to maintain it by encouraging high quality students from materials, physics, chemistry, life sciences or engineering backgrounds to apply to undertake research with us.

Our research activities are centred on various groups, although there is broad interaction between them. For more information visit our website www.birmingham.ac.uk/schools/metallurgy-materials

We offer research at PhD and Masters levels (see 'Entry requirements' We also offer: the combined research and taught EngD doctoral training programme and several MRes programmes for candidates with a good Honours degree in specified subjects. Find out more via the website.

Duration of programmes

- PhD – 3 years full-time; 6 years part-time
 - MSc by research – 1 year full-time; 2 years part-time
 - MPhil – 2 years full-time; 4 years part-time
 - EngD – 4 years full-time
 - MRes – 1 year full-time; 2 years part-time
- Also see individual programme entries online.

Entry requirements

See 'General entry requirements' on page 68 or visit our online prospectus www.birmingham.ac.uk/students/requirements

English language requirements

Standard English language requirements apply (see page 68 for details).

Scholarships and studentships

Scholarships may be available: contact the School directly or email financialsupport@bham.ac.uk

Engineering and Physical Sciences

School of Metallurgy and Materials

FT Full-time
PT Part-time
DL Distance Learning

Apply online see pages 66–69

Fees

Standard fees apply (see pages 62–63 for details). For the most up-to-date information contact the School directly.

Starting dates

Contact the school directly for further information.

Learn more

www.birmingham.ac.uk/schools/metallurgy-materials

Combined research and taught programmes

Engineered Materials for High Performance Applications in Aerospace and Related Technologies EngD **FT**

This is an EPSRC-sponsored doctoral training programme, suitable both for full-time students and seconded employees. It consists of a four-year research project based in industry, and a number of one-week modules in Advanced Metallurgy/Materials and Professional Development, taken at the University.

Contact: Professor Paul Bowen – +44 (0)121 414 5222; engd@bham.ac.uk

Biomaterials MRes **FT PT**

Open to those with an upper second-class Honours degree in science, health science or engineering, this programme can be taken on a full- or part-time basis. It contains one major research project in Biomaterials, based either in the University or in industry, plus six taught modules.

Contacts:

Jenny Henderson – +44 (0)121 414 5222;
j.henderson@bham.ac.uk

Dr Artemis Stamboulis – +44 (0)121 414 5216;
a.stamboulis@bham.ac.uk

Materials for Sustainable Energy Technologies MRes **FT PT**

An EPSRC-sponsored programme that can be taken on a full- or part-time basis. There is one major research project in Materials for Sustainable Energy Technologies, based either in the University or in industry, plus six taught modules.

Contact: Jenny Henderson – +44 (0)121 414 5222;
j.henderson@bham.ac.uk

Science and Engineering of Materials MRes **FT PT**

An EPSRC-sponsored programme that can be taken on a full- or part-time basis. A major research project based either in the University or in industry is accompanied by six taught modules.

Contact: Jenny Henderson – +44 (0)121 414 5222;
j.henderson@bham.ac.uk

If you choose an MRes programme, we recommend that you start the course at the beginning of the academic year. However, if your background is in Materials Science, then you may start at any time of the year. Funding may be available for these programmes. For more information visit our website or contact the individuals named.

Doctoral research programmes

Metallurgy and Materials PhD/MSc by Research/MPhil **FT PT**

Research groups include:

- Alloy and process development
- Alloy chemistry
- Casting, solidification and welding
- Ceramics
- Corrosion and oxidation
- Fatigue and fracture
- Ferrous metallurgy
- High temperature superconductivity
- Magnetic materials
- Materials processing
- Microstructural studies
- Polymers
- Simulation of manufacturing and materials
- Sports materials
- Surface engineering and heat treatment

For further information about each group and the contact names and details of staff, please visit our online prospectus at www.birmingham.ac.uk/students/courses/postgraduate or www.birmingham.ac.uk/students/courses/postgraduate/findaphd.aspx

Engineering and Physical Sciences

School of Physics and Astronomy

We are one of the largest physics departments in the country with a high profile for research both in the UK and internationally. We have a long tradition of distinguished research originating from the time of John Henry Poynting, the first Professor of Physics at Birmingham, whose work included the theory of the transfer of electromagnetic energy. Our research now covers a wide range of topics offering exciting challenges at the leading edge of physics and astronomy. Our students enter careers across a wide spectrum of education and industry, and past students occupy many senior positions in science.

Facilities

We are involved in a wide range of research activities that span the range from ultracold atoms to high energy particle physics and from nanoscale physics to astrophysics and gravitational research. Research students have access to excellent facilities, just some of which are highlighted below.

We operate the most flexible research cyclotron in the UK. As part of the ongoing development of our research laboratories we have recently commissioned a new suite of hot rooms to support in vitro cell radiobiology studies. We collaborate closely with the University Hospital Birmingham NHS Foundation Trust, who provide extensive irradiation and radiation calibration facilities. We are also home to the Positron Imaging Centre, where positron-emitting radioactive tracers are used in interdisciplinary research involving a number of University groups and industrial sponsors.

Our Nanoscale Physics Research Laboratory – the first centre for nanoscience in the UK, is a world-leading player in nanoscience research, and has many links to experimental and theoretical groups in Europe and beyond, as well as high-tech companies. The £2.5 million Nanoscale Science Facility and £3 million centre for Advanced Materials house a suite of powerful new tools to probe the physics and applications of nanoscale structures created in the lab, from atomic manipulation to new catalysts. The laboratory is also a key partner in the University's new bio-imaging centre.

Condensed Matter Physics has facilities to take superconducting devices close to absolute zero, where quantum effects in macroscopic objects can be observed. Our researchers also travel to large international facilities where beams of neutrons and synchrotron X-rays are used for microscopic investigations of superconductors and magnetic materials.

We have first class laboratories to pursue ultracold atom research. Using lasers to cool atoms to ultra-low temperatures allows many exquisite phenomena, such as Bose-Einstein condensation, to be explored. Our Cold Atom research facilities are part of a strategic £11 million investment to form the Midlands Centre for Ultracold Atoms and the Midlands Physics Alliance Graduate School involving the universities of Nottingham and Warwick. Our research ranges from quantum simulation in relation to condensed matter phenomena to quantum atom optics and applications in quantum computation and precision sensors.

Our nuclear and particle physics groups are leading players in experiments that are performed at some of the world's premier research laboratories. These include experiments at the Large Hadron Collider at CERN and at the Grand Accélérateur National d'Ions Lourds, which is a leading facility for the study of exotic nuclei far from stability. As well as offering the opportunity to travel, we provide in-house facilities for the development of new detectors and their associated electronics.

Our activities in astrophysics and space research makes use of a variety of observatories on the ground and in space, as well as powerful computing facilities, to explore a wide range of topics, including the physics of the Sun, stars and galaxies, cosmology, and the study of gravity and gravitational waves. We have a long heritage in the design and manufacture of space instrumentation, and our experimental programme includes the study of ultra-weak forces and the development of novel interferometric techniques for gravitational wave detection. We have clean rooms, a state-of-the-art facility for the assembly and testing of space-qualified electronics and an environmental test facility.

Engineering and Physical Sciences

School of Physics and Astronomy

We have formed a £1.5 million world-leading centre for metamaterial research which allows state-of-the-art nano-fabrication of optical metamaterials and nanophotonic elements along with advanced optical characterisation.

Metamaterials are opening up exciting gateways towards new physics and important applications. By custom-designing the unit cells of metamaterials, many unusual electromagnetic properties can be realized, including artificial magnetic response at optical frequencies, negative refractive index, and gigantic optical activity. Metamaterials represent a revolution in materials for optical science and technology, making it possible to build 'invisibility cloaks', which can shroud objects and render them unobservable; make lenses which can exceed the resolution diffraction limit; and develop materials which nullify and even reverse the tendency of the parts of ultra-small machines to stick together (the so-called 'Casimir force'). The progress toward optics regimes may reshape research areas such as biological and medical imaging, optical lithography, optical communications and energy harvesting.

Postgraduate study

We have 110 academic and research staff and over 100 graduate students, with around 45 technical and clerical support staff. Our students work in research groups, typically of ten to 50 people, with a high level of academic and technical support. Annual research income is over £7 million, and approximately 250 research publications are produced each year.

We provide a friendly environment for students and offer general training, postgraduate lecture series, and skills training in research and related skills. There is a regular programme of colloquia covering all branches of physics, which is intended for all members of the School, staff and students alike. In addition, each research group organises its own seminar programme.

All PhD students have the opportunity to teach. Students also have the opportunity to become involved in our outreach activities, where researchers meet with teachers and pupils from schools across the Midlands.

More detailed information can be obtained from our website www.birmingham.ac.uk/schools/physics or by contacting:

Mrs Carolyn Fox – +44 (0)121 414 3489/
+44 (0)121 415 8750; c.fox@bham.ac.uk

Duration of programmes

- PhD – 3.5 years full-time
- MSc by Research – 1 year full-time
- MSc – 1 year full-time, 2 years part-time (modular)

Entry requirements

See 'General entry requirements' on page 68. Also see individual programme entries for additional requirements online www.birmingham.ac.uk/students/requirements

English language requirements

Standard English language requirements apply (see page 68).

Scholarships and studentships

Scholarships may be available contact the School directly or email financialsupport@bham.ac.uk

Fees

Standard fees apply (see pages 62–63 for details). Please contact the School directly for the most up-to-date fees information.

Starting dates

Programmes start in September/October 2013.

Learn more

www.birmingham.ac.uk/schools/physics

FT Full-time
PT Part-time
DL Distance Learning

Apply online see pages 66–69



Taught programmes

Physics and Technology of Nuclear Reactors MSc **FT PT**

This programme demonstrates, through close contact with the industry, how nuclear power meets today's energy and environmental challenges. Studentships are sponsored by the nuclear industry in the UK and these provide excellent and effective entry routes into careers in this stimulating field.

Contact: Dr Paul Norman – +44 (0)121 414 4660;
 p.i.norman@bham.ac.uk

Radioactive Waste Management and Decommissioning MSc **FT PT**

This programme responds to the needs expressed by industry and regulators for training opportunities in this important area. The programme covers radioactive waste management, decommissioning, underlying physics and laboratory experience.

Contact: Professor Martin Freer –
 +44 (0)121 414 3384; m.freer@bham.ac.uk

Doctoral research programmes

Physics and Astronomy PhD/MSc by Research **FT PT**

Research interests include:

- Astrophysics and Space Research

Head of group: Professor Trevor J Ponman

- Condensed Matter Physics

Head of Group: Professor E M Forgan

- Metamaterials

Head of Group: Dr Shuang Zhang

- Molecular Physics

Head of Group: Dr Chris Mayhew

- Nanoscale Physics

Head of Group: Professor Richard E Palmer

- Nuclear Physics

Head of Group: Professor Martin Freer

- Particle Physics

Head of Group: Professor Paul Newman

- Positron Imaging

Head of Group: Professor David Parker

- Solar and Stellar Physics

Head of Group: Professor Yvonne Elsworth

- Theoretical Physics

Head of Group: Professor Igor Lerner

- Ultra Cold Atoms

Head of Group: Professor Kai Bongs

For more information on the above research specialisms contact the University of Birmingham Doctoral Researcher Enquiry Service – physics-dr@contacts.bham.ac.uk

College of Life and Environmental Sciences

Birmingham –

*helps you feel
integrated*

I chose Birmingham because it is a research intensive institution with a very good reputation in biological sciences.

Whether you want to go onto further study or if you want to have an industrial career, you need to know how to write in a proper scientific manner and my course had a good combination of writing and lab work.

My biggest achievement was completing my lab project because it was very intensive and it was like a condensed PhD because of the independence I was given in the lab. I was expecting to be supervised at every turn but I actually had opportunity to plan my day and get an idea of what it would be like if I decided to go on to further research.

Because I had such a positive research experience, I am encouraged to think about going on to a doctorate. I had a good time at Birmingham and feel confident that I could cope with three more years doing a degree in the lab.

Cheryl
MSc Molecular Biology





Life and Environmental Sciences

School of Biosciences

The largest Biology school in the Midlands, we deliver internationally excellent teaching and research across the broad span of modern biology. We host a broadly based international community of 900 undergraduates, 250 postgraduates and 300 part-time students.

The School of Biosciences has an excellent research profile with 90% assessed as international quality, supporting an exciting range of teaching programmes.

Our research focuses on a number of important themes that run through modern biological and biochemical research: organismal and environmental biology; molecular cell biology; molecular microbiology; molecular pathobiology; plant genetics and cell biology, and structural biology. The School is also involved in a new cross-college research initiative in Systems Science for Health.

Facilities

We have a number of facilities with dedicated staff, including Functional Genomics (DNA sequencing, microarrays, proteomics, metabolomics including FTICR and QTOF mass spectrometers), Confocal Microscopy and Horticulture (containing computer-controlled growth facilities). The School is also very well equipped with state-of-the-art instrumentation in other areas such as protein structure determination and analysis (X-ray diffractometry, analytical ultracentrifugation, fourier transform

infrared spectroscopy, fluorescence spectroscopy, linear and circular dichroism, and isothermal calorimetry), computational studies and systems biology (dedicated 128-processor computer cluster).

Postgraduate study

We offer opportunities for postgraduate study in a wide range of bioscience disciplines. We have about 60 full-time academic staff with research interests across the biosciences and a thriving postgraduate community with more than 150 students from the UK and abroad.

The School of Biosciences attracts funds for studentships from BBSRC, MRC, NERC and other bodies. Studentships may provide full funding (fees and stipend) for three or four years. Four-year studentships are particularly encouraged by BBSRC and enable the doctoral researcher to undertake the full range of personal development training and activities provided within the School and the University Graduate School. In addition, the Darwin Trust of Edinburgh funds a number of three-year PhD studentships for non-UK doctoral researchers studying molecular microbiology at Birmingham.

Entry requirements

BSc degree in a relevant subject. For a PhD you will need at least a 2:1 or a Masters qualification. For an MSc by Research or MRes you will need at least a 2:1 and for an MSc a 2:2 or above.

FT Full-time
PT Part-time
DL Distance Learning

Apply online see pages 66–69



English language requirements

Standard English language requirements apply (see page 68).

Duration of programmes

See online or contact the School directly.

Scholarships and studentships

Scholarships may be available; please contact
 Postgraduate Taught Admissions – +44 (0)121 414 5922;
 email bio-pgtadmissions@contacts.bham.ac.uk
 Biosciences Graduate Research School for MRes
 and PhD programmes – +44 (0)121 414 5560;
biosciences-phd@bham.ac.uk
 Alternatively email financialsupport@bham.ac.uk

Fees and funding

Standard fees apply (see pages 62–63).

Contact the School for the most up-to-date information.

Starting dates

Programmes start in September/October 2013.

Learn more

www.birmingham.ac.uk/schools/biosciences

Taught programmes

Molecular Biotechnology MSc

FT PT

The programme provides you with training and learning opportunities in the skills and specialised knowledge needed to equip you for a career in biotechnology, molecular biotechnology or molecular biology, in particular in industry. Modules studied include Functional Genomics and Reverse Genetics; Gene Expression Analysis; Funding Science; Therapeutic Biologicals, and a study of the development of pharmaceutical products. We focus on key techniques used in molecular biotechnology, including molecular biology, functional genomics, 'omics' technologies, protein expression systems, antibody engineering and aspects of process engineering. Practical skills will include sessions on fermentation, molecular biology, immunology, cell biology and protein chemistry, and you will go on to complete a major, supervised laboratory or computer-based research project.

Contact: Postgraduate Admissions – +44 (0)121 414 5922;
bio-pgtadmissions@contacts.bham.ac.uk

Toxicology MSc

FT PT

Toxicology helps to ensure that the food we eat, the water we drink and the air we breathe are clean and free from contaminants and toxins, and that the pharmaceutical drugs we take to treat disease are as safe as possible. Toxicology is also important clinically in the diagnosis and management

Life and Environmental Sciences

School of Biosciences

of poisonings, in the analysis of forensic samples and has a central role in protecting the environment from the harmful effects of chemicals, pesticides and other noxious agents. We provide vocational training in the theoretical, clinical and laboratory aspects of toxicology. You will learn about the nature and mechanism of adverse effects of chemicals such as those found in industry, in the household, in agriculture, in medicine, and those that occur naturally in the environment. We give particular emphasis to molecular and cellular mechanisms of toxicity. A challenging part of the programme is learning to predict the risk of toxicity and balancing this against the likely benefits of the substance concerned. The School of Biosciences is recognised internationally as a major centre for teaching and research in toxicology.

Contact: Postgraduate Admissions – +44 (0)121 414 5922;
bio-pgtadmissions@contacts.bham.ac.uk

Combined research and taught programmes

Analytical Genomics MRes

FT

This programme will provide you with a professional training in the principles, analytical methods and interpretive skills that are necessary to explore the complexities of modern omics datasets. You will integrate skills in biological sciences with statistics, bioinformatics and the use of computer software applications. It will equip you with knowledge and skills which are in demand amongst employers particularly in research institutions, the pharmaceutical and Biotechnology industries. The emphasis on research in this MRes programme together with the analytical skills that you develop will prepare you for a wide range of PhD programmes.

Molecular Mechanistic Toxicology MRes

FT

One of the most rapidly developing areas of Toxicology is the use of molecular and cell biology to develop an understanding of chemical toxicity at the cellular and molecular level. This is not only of fundamental interest (eg, understanding mechanism of action) but it also relates to an increased need for a mechanistic component in chemical risk assessment and development of high throughput screens for chemical toxicity. The MRes in Molecular Mechanistic Toxicology is a one-year full-time programme that provides you with a research-oriented training and we provide a lively, highly interactive teaching and research environment.

Molecular and Cellular Biology MRes

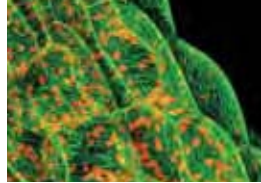
FT

This programme is designed to prepare you for a career in research in molecular and cellular biology and its applications. It comprises a year of intensive training and research experience leading to the award of an MRes degree, which will give you a flying start to a subsequent PhD programme, if this is your chosen career path. A wide range of research topics falling within the scope of molecular and cellular biology is available within the School; this range extends from structural biology at one extreme to multicellular systems at the other. Applications are welcome from students with a background in Physics and Chemistry, as well as from those with a degree in Biochemistry, Biology or other life sciences.

For MRes programmes contact – +44 (0)121 414 5891;
biosciences-phd@bham.ac.uk

- FT** Full-time
PT Part-time
DL Distance Learning

Apply online see pages 66–69



Doctoral research programmes

Biosciences PhD/MPhil

FT PT

Research in the School centres around six broad and interlinked groupings, which focus on multi and interdisciplinary research:

- BioSystems and Environmental Change
- Computational Biology
- Institute of Microbiology and Infection
- Molecular Cell Biology and Signalling
- Plant Genetics and Cell Biology
- Structural Biology and Molecular Biophysics

Each theme represents areas of research excellence in human, animal, plant, microbial, cell and molecular biology, and these areas integrate with systems biology and structural biology.

We offer PhDs and MPhil research degrees in all of these research areas. For more information plus a full list of staff and the PhD positions being offered please visit www.birmingham.ac.uk/biosciences/research

Application forms and further general information can be obtained from: Biosciences Graduate Research School – +44 (0)121 414 5891; biosciences-phd@bham.ac.uk

Life and Environmental Sciences

School of Geography, Earth and Environmental Sciences

The School of Geography, Earth and Environmental Sciences has a renowned history for international excellence in research and teaching. Geology at Birmingham dates back to 1881 and Geography began here in 1924. We are proud of our long history and build on our successes. We offer facilities for postgraduate study through both taught courses and by research. There are around 75 academics, 30 technical support and 30 research staff with interests spanning many aspects of the subject, as well as a flourishing postgraduate group with around 150 doctoral researchers from the UK and overseas. Students are accepted for research in most aspects of geography, earth and environmental sciences according to staff specialisms.

Geography, Earth and Environmental Sciences has a strong international reputation for interdisciplinary research in hydrology, ecology, geology, climate and atmospheric sciences, environmental health and risk management, economy, enterprise and development, urban forms, culture, politics, service worlds and emerging regions.

Postgraduate students joining the School benefit from a thriving research community, expert supervision, the opportunity to participate in research seminars and discussions with academic staff.

GEOGRAPHY AND ENVIRONMENTAL SCIENCES

The School provides excellent opportunities to build upon and develop research within these disciplines, and particularly to foster interdisciplinary research. Appropriate training is an integral part of our research activity; research students participate in a formal training programme, which includes workshops covering aspects of the philosophy and methodology of their subject area, and attendance at and contribution to research seminars held on a regular basis throughout the year.

Duration of programmes

- PhD – 3 years full-time
- MRes – 1 year full-time
- MPhil – 2 years full-time
- MSc – 1 year full-time (part-time options available for some programmes)
- Diploma – 1 year part-time

Entry requirements

See 'General entry requirements' on page 68 or contact the department.

English language requirements

Standard English language requirements apply (see page 68).

Scholarships and studentships

We are eligible to receive research studentships from NERC, AHRC and ESRC ('1+3' '1+3' and CASE/ESRC and NERC/ESRC). We also offer a number of prestigious College research studentships, available to both home and overseas students.

For more information contact the School directly or email financialsupport@bham.ac.uk

Fees and funding

Standard fees apply (see pages 62–63); except:

- MSc Applied Meteorology and Climatology – £5,150 (UK/EU)

Please note these fees are those charged in 2012–13 and are for guidance only. Contact the School for the most up-to-date information.

Starting dates

Programmes start in September/October 2013.

Learn more

www.birmingham.ac.uk/schools/gees

FT Full-time
PT Part-time
DL Distance Learning

Apply online see pages 66–69



Taught programmes

Applied Meteorology and Climatology MSc

FT PT

This programme provides comprehensive training in understanding, modelling and prediction of atmospheric processes; as well as the collection, management, supply and application of atmospheric data for the needs of a variety of public and private sectors. The course also demonstrates how these create opportunities or pose problems for the successful operation of natural and human systems. Our aim is that upon graduation you will be able to compete for careers in Meteorology and Climatology. Around 43% of recent graduates have gone on to careers in industry, 37% in government agencies and 20% for a PhD degree.

Contact: Martin Widmann – +44 (0)121 414 5553;
 m.widmann@bham.ac.uk

Research in Human Geography MSc/Diploma

FT PT

This programme combines interdisciplinary expertise from Geography, Political Science, International Studies, Sociology and Social Policy, and is truly multidisciplinary. You thereby gain a unique breadth of academic research, teaching and key transferable skills. In addition to exposing students to cutting-edge debates in economic geography, environmental science, human geography and related fields, the programme provides research training in theoretical, philosophical and methodological issues relevant to human geography and social science research. Contact: Jon Coaffee – +44 (0)121 414 7421;
 j.coaffee@bham.ac.uk

Resilience and Urban Living MSc/MRes

FT PT

This programme provides a broad-ranging, yet grounded understanding of how individuals, organisations and/or communities can cope with external stresses and disturbance as a result of rapid social, political, economic or environmental change. Given that the concept of resilience has become central to academic and policy debates, students will be uniquely placed to identify, explain and offer appropriate responses to the challenges facing individuals, communities and practitioners alike

who may be living or working in urban areas. Furthermore, the programme draws on existing teaching and research activities within geography, urban and regional planning, environmental science, psychology and civil engineering to offer a coherent – yet flexible – approach to explore differing aspects of resilience.

Both MSc and MRes students follow specialist modules focused around Resilience, Energy and Urban Living; Sustainable and Resilient Cities and Adaptation; and Problem-based Methods for Urban Resilience. Depending upon which programme you follow, you will then have the opportunity to select a further range of resilience-related options and/or research-focused modules, coupled with a resilience-focused dissertation. The overall intention is to provide recent graduates as well as those already in practice with the necessary theoretical, analytical and practical skills to advance their careers in a wide range of related areas, including urban regeneration, planning, community and economic development, housing renewal, healthy living and urban management. It also provides advanced-level training for those wishing to pursue PhD studies in this area.

Contact: Simon Pemberton – +44 (0)121 414 2680;
 s.pemberton@bham.ac.uk

Urban and Regional Planning (RTPI accredited)

MSc/Postgraduate Diploma/Certificate

FT PT

Fully accredited by the Royal Town Planning Institute (RTPI), this programme is designed to develop students as reflective practitioners in the planning profession and related disciplines in the built environment. Studied full- or part-time, it includes nine taught modules and a dissertation and its flexible nature enables you to combine the core modules and materials in spatial planning with a specialist focus in fields such as urban regeneration, community-based planning, economic development and urban resilience.

Contacts:

Mike Beazley – +44 (0)121 414 3278;

m.j.beazley@bham.ac.uk

Austin Barber – +44 (0)121 414 2984;

a.r.g.barber@bham.ac.uk

Life and Environmental Sciences

School of Geography, Earth and Environmental Sciences

Urban Regeneration and Renewal

MSc/Postgraduate Diploma/Graduate Diploma/Certificate **FT PT**

This programme is aimed at those who want to extend their field of academic knowledge and critical understanding of issues in urban regeneration and renewal, as well as those who are concerned with the regeneration of urban areas at a variety of spatial scales working in the public, private and third sector. The programme is supported by a range of teaching methods including practice-based site visits and group working. Programmes can be studied either full- or part-time. For the MSc you are expected to complete a dissertation.

Contact: Peter Lee – +44 (0)121 414 3645;

p.w.lee@bham.ac.uk

Urban and Regional Studies MSc/Postgraduate Diploma/Graduate Diploma/Postgraduate Certificate/Certificate **FT PT**

This programme has proved to be a platform for a wide range of careers. Former students hold important positions in private sector companies and consultancies, in public sector organisations, in universities, policy-making bodies, and in local and central government. Many are undertaking research and consultancy in the UK, other parts of Europe and internationally. For the MSc you are expected to complete a dissertation.

Contact: Lauren Andres – +44 (0)121 414 5021;

l.andres@bham.ac.uk

The contact for MSc programmes is: The Postgraduate Administrator – +44 (0)121 414 3260; s.fellows@bham.ac.uk

Doctoral research programmes

Geography and Environmental Sciences PhD/MPhil **FT**

Urban and Regional Studies PhD/MPhil **FT PT**

The School offers postgraduate research opportunities leading to PhD degrees across the whole range of its research activities, with funding coming from a variety of sources, including national research councils, School scholarships and industry. Postgraduate students joining the School benefit from a thriving research community, expert supervision, dedicated training programmes and the opportunity to participate in research seminars and discussions with academic staff. All postgraduate students are provided with dedicated workspaces and have access to excellent computing and laboratory facilities.

For a full list of research groups in the School please visit www.birmingham.ac.uk/schools/gees/courses/postgraduate

Contacts:

Dr Dominique Moran – +44 (0) 121 414 8013;

d.moran@bham.ac.uk

Gretchel Coldicott – +44 (0)121 414 6935;

g.coldicott@bham.ac.uk or visit www.curs.bham.ac.uk

For academic enquiries related to Geography and Environmental Sciences contact: Dr Dominique Moran – +44 (0)121 414 8013; d.moran@bham.ac.uk

FT Full-time
PT Part-time
DL Distance Learning

Apply online see pages 66–69



EARTH SCIENCES

Earth Sciences is a vibrant research and postgraduate teaching environment with academic staff, together with full-time research staff working on a broad range of research projects.

Research is undertaken across a wide range of Earth Sciences and are always pleased to discuss individual research proposals from students. Past and current PhD students have been and are funded by the research councils, the petroleum industry, the water industry, the European Union, the British Council and overseas governments.

Facilities

The Lapworth Museum is an integral part of the School and is 'Designated' for the national and international importance of its geological collections and archives, which are important reference collections for research. There are particular strengths in Early Palaeozoic invertebrates, fossil fish, Quaternary insects and mammals, stone implements and archive material. It is one of only three university geology collections in England to have been granted core-funded status by HEFCE. The School has excellent water chemistry analysis facilities, and extensive field equipment for groundwater research: it also has an on-campus purpose-drilled borehole array used for research and teaching. All postgraduate students are provided with dedicated workspaces and have access to excellent computing and laboratory facilities: the MSc Hydrogeology students have a dedicated lecture/study room.

Duration of programmes

- PhD – 3 years full-time
- MPhil – 2 years full-time
- MSc – 1 year full-time

Entry requirements

See 'General entry requirements' on page 68 or contact the department.

English language requirements

Standard English language requirements apply (see page 68).

Scholarships and studentships

We are eligible to receive research studentships with funding from NERC and EPSRC. We also offer a number of our own postgraduate studentships, available to both home and overseas students. For more information contact the School directly or email financialsupport@bham.ac.uk

Fees and funding

Standard fees apply (see pages 62–63); except:

- MSc Hydrogeology – £5,250 (UK/EU)

Please note this fee is for guidance only. Contact the School for the most up-to-date information.

Starting dates

Contact the School directly for further details.

Learn more

www.birmingham.ac.uk/schools/gees

Taught programmes

Applied and Petroleum Micropalaeontology MSc

FT

Although primarily aimed at Earth Sciences graduates who wish to gain expertise in Micropalaeontology and Petroleum Geoscience, the course has the flexibility to engage with students from a variety of academic backgrounds and would also suit those with experience in related Geoscience disciplines.

The course trains you in all aspects of biostratigraphy, a key tool within the hydrocarbon exploration and production industries. The course covers all the major microfossil groups encountered and integrates these micropalaeontological skills with the interpretation of sedimentary basins and the principles of petroleum geology. The course is co-taught by academics and industrial partners.

Contact: Dr Ian Boomer – +44 (0)121 414 5536;
micropalaeontology@contacts.bham.ac.uk

Life and Environmental Sciences

School of Geography, Earth and Environmental Sciences

Hydrogeology MSc

A comprehensive training in the theory and practice of groundwater science and engineering, providing an excellent basis for careers in scientific, engineering and environmental consultancies, water companies, major industries, research, and government scientific and regulatory services in the UK and abroad. Hydrogeology is a multidisciplinary subject, and we welcome numerate students from a range of science backgrounds, including geosciences, engineering, physics, mathematics, biosciences and environmental sciences.

The lecture component of the programme encompasses the full range of hydrogeology, including groundwater resources, groundwater contamination and remediation, and groundwater engineering. Modules cover groundwater flow theory, drilling, well design, aquifer test analysis, hydrogeophysics, inorganic chemistry of groundwaters, organic contamination of groundwater, contaminated land and remediation, groundwater modelling, contaminant transport modelling, hydrology, and groundwater resources assessment.

Contact: Professor John Tellam – +44 (0)121 414 6138;
j.h.tellam@bham.ac.uk

Nuclear Decommissioning and Waste Management MSc FT

This course is for students with science-based backgrounds, such as undergraduate degrees in Geosciences, Chemistry, Physics and Engineering, who are interested in a career in the Nuclear industry. It provides students with the relevant skills, knowledge and understanding in nuclear sciences (nuclear physics and radiochemistry), geosciences (including geochemistry, geophysics and hydrogeology) and materials science, to prepare graduates for a career in nuclear decommissioning, waste management and remediation.

Contact: Dr Joanna Renshaw – +44 (0)121 414 6172;
j.c.renshaw@bham.ac.uk

FT Doctoral research programmes

Earth Sciences PhD/MPhil

FT

Research interests:

- Hydrogeology
- Palaeobiology and Palaeoenvironments
- Subsurface Structure and Properties

Contact: Dr Dominique Moran – +44 (0)121 414 8013;
d.moran@bham.ac.uk

ENVIRONMENTAL HEALTH AND RISK MANAGEMENT

The Division of Environmental Health and Risk Management (DEHRM) is based in the well-equipped, purpose-built facilities of the University's Public Health Building.

Our research attracts extensive funding from many sources, including: the Department for Transport; the Department for Environment, Food and Rural Affairs; the Environment Agency; the Department of Health; the NERC; the EPSRC; the BBSRC; the Leverhulme Trust, and European programmes. The collaborative nature of much of this work, together with the mix of pure, strategic and applied research, often involving interdisciplinary teams spanning physical, biological, chemical, medical and social sciences, provides a dynamic and internationally-recognised research environment.

Research facilities, including laboratories, and field sites and instruments are of exceptionally high quality.

For a detailed brochure describing the activities of DEHRM, contact: The Administration Office – +44 (0)121 414 2628/3077; v.c.walker@bham.ac.uk

- FT** Full-time
PT Part-time
DL Distance Learning

Apply online see pages 66–69



Duration of programmes

- PhD – 3 years full-time
- PhD with Integrated Study – 4 years full-time
- MSc by Research – 1 year full-time
- MSc – 1 year full-time

Entry requirements

See 'General entry requirements' on page 68 or contact the department.

English language requirements

Standard English language requirements apply (see page 68).

Scholarships and studentships

Scholarships may be available, contact the Administration Office – +44 (0)121 414 6935; g.coldicott@bham.ac.uk
 Alternatively email financialsupport@bham.ac.uk

Fees and funding

Standard fees apply (see pages 62–63), except:

- MSc Environmental Health and MSc Public and Environmental Health Sciences – £5,600 (UK/EU)

Please note this fee is for guidance only. Contact the School for the most up-to-date information.

Starting dates

Programmes start during September/October 2013.

Learn more

www.birmingham.ac.uk/schools/gees

Taught programmes

Air Pollution Management and Control MSc/Diploma **FT PT**

This programme is run with the School of Chemical Engineering. It is designed to provide a comprehensive understanding of the causes and effects of air pollution, and of the management measures and engineering technologies available for its control. This is a recognised and sought after qualification within the professional environmental field in the UK and abroad. Students successfully completing the course have found employment as air quality experts within environmental consultancies, industry or local government departments.

Contact: Dr William Bloss – +44 (0)121 414 2558;
 w.j.bloss@bham.ac.uk

Environmental Health MSc **FT PT**

This programme provides an accredited pathway for science-based graduates to become environmental health practitioners. It is accredited by the Chartered Institute of Environmental Health (CIEH) as meeting its core curriculum requirements. On completion of the MSc, those wishing to take the professional examination of the Chartered Institute of Environmental Health will need to undertake up to 12 months practical training in an approved organisation and then take the CIEH professional examinations to become a registered Environmental Health Practitioner.

Contact: Mr Maurice Brennan – +44 (0)121 414 7180;
 m.e.brennan.1@bham.ac.uk

Life and Environmental Sciences

School of Geography, Earth and Environmental Sciences

Public and Environmental Health Sciences MSc

This programme is accredited by the Chartered Institute of Environmental Health and is designed for international students aiming to develop their careers in public health and environmental health. It is taught partly with the MSc in Environmental Health but with additional options available. Contact: Mr Maurice Brennan – +44 (0)121 414 7180; m.e.brennan.1@bham.ac.uk

Science of Occupational Health, Safety and the Environment MSc

Run jointly by the Division of Environmental Health and Risk Management in the School of Geography, Earth and Environmental Sciences, and the Institute of Occupational and Environmental Medicine in the College of Medical and Dental Sciences, this programme recognises the increasing demand from both industry and enforcement agencies to integrate occupational health, safety and environmental issues. The programme is recognised by the Chartered Institute of Environmental Health and the Institute of Acoustics (Environmental Noise), and accredited by the Institute of Occupational Safety and Health. Contact: Val Walker, Course Administrator – +44 (0)121 414 3077; v.c.walker@bham.ac.uk

Combined research and taught programmes

Atmospheric Sciences and Air Pollution

PhD with Integrated Study

This PhD programme has been introduced to meet the needs of international students. You undertake both research work and taught courses that are relevant to your research topic. Contacts: Dr Dominique Moran – +44 (0)121 414 8013; d.moran@bham.ac.uk
Gretchen Coldicott – +44 (0)121 414 6935; g.coldicott@bham.ac.uk

FT PT

Human and Environmental Health Impacts

of Nanoscience and Nanotechnology (HEINN) MRes

FT

This programme provides students with a comprehensive understanding of all aspects of nanoscience and its potential environmental and human health-related risk. The MRes focuses on the fundamental and underpinning science but also discusses applications, synthesis and policy and regulatory responses. The programme is research focused, with a large part devoted to an independent, but supervised, research project. Contact: Mrs Marian Jordan, Course Administrator – +44 (0)121 414 6989; m.a.jordan@bham.ac.uk

Please note: at the time of going to print (August 2012) this course was under review. Please check online for the latest details.

Doctoral research programmes

Environmental Science and Risk Management

PhD/MSc by Research

FT

Research areas include:

- Air Pollution and Atmospheric Chemistry
- Aquatic Chemistry and Pollution, Environmental Nanoscience
- Persistent Organic Pollutants

Contact: Dr Dominique Moran – +44 (0)121 414 8013; d.moran@bham.ac.uk

Life and Environmental Sciences

School of Psychology

We are one of the largest and most active psychology departments in Britain with an excellent reputation for teaching and research. We were ranked 3rd in the Grade Point Average, placing us in the top three Psychology departments for research in the UK in the most recent Research Assessment Exercise (2008), as well as gaining 23 out of 24 in the QAA Quality Assessment Review of teaching. Our wide ranging research makes an impact by giving a greater understanding of the relationship between brain, mind and behaviour.

Facilities

Facilities include laboratories specially equipped for work in cognition, psychophysics, visual perception, auditory perception, speech production, human motor performance, cognitive neuropsychology, cognitive neuroscience, food, drink and nutritional psychology, physiological psychology, psychopharmacology, social psychology, and developmental psychology. Our clinical psychology centre and forensic psychology centre support professional training and research. Laboratories and offices are also equipped with computers for experimental control, data collection and analysis. There are dedicated brain imaging workstations for work in perception and cognitive science, including a computational modelling and brain analysis suite.

Postgraduate study

There are excellent research opportunities provided by our links with local hospitals, prisons and clinics, local schools and nurseries, other University departments, industrial companies, and departments of local and national government – both in this country and overseas. Psychology is a major partner in the West Midlands Stroke Research Network and provides access to a large pool of screened neuropsychological patients. There is also a number of other well-established research groups, with strong links to clinical groups, notably in psychosis, neurodevelopmental disorders, and addictions.

Research may be carried out in areas where members of staff are willing to offer supervision. Our research is grouped under three main headings: Developmental, Social and Applied Psychology; Behavioural Neuroscience, and Language, Cognition and Perceptual Systems.

See 'Doctoral research programmes' on page 163.

Duration of programmes

- PhD – 3 years full-time, 6 years part-time
- MSc by Research – 1 year full-time, 2 years part-time
- MRes – 1 year full-time, 2 years part-time
- ClinPsyD – 3 years full-time
- ForenPsyD – 3 years full-time (4 years part-time employee sponsored)
- MSc – 2 years part-time (except Forensic Psychology Practice – 2 years full-time)
- CBT Diploma and IPC courses – contact the School directly
- CPD Doc in Forensic Psychology Practice – 1 year full-time; 2 years part-time (open to Forensic Psychologists registered with the HPC only)

Entry requirements

To apply for PhD programmes you should have a good Honours degree in Psychology or a related discipline appropriate to your intended studies. For MSc by Research we require at least a lower second-class Honours degree: for PhD we require at least an upper second-class Honours degree or a Masters qualification. If you have a lower second-class Honours degree, you can apply for the MSc by Research and transfer to the PhD, if you are successful in your MSc examination.

For programmes whose qualification gives entry to a registered profession you are required to sign up to the Code of Professional Conduct and Fitness to Practise regulations. Also see 'General entry requirements' on page 68.

English language requirements

Standard English language requirements apply – for all programmes apart from the Masters/Doctorate in Forensic Psychology Practice which requires IELTS 7.0 with no element below 6.5. For ClinPsyD candidates whose first language is not English or whose first degree was not taught in English, the minimum requirements for TOEFL/IELTS are: 100 for internet based TOEFL with no less than 23 in any band, or 7.0 for IELTS with no less than 6.5 in any band.

Life and Environmental Sciences

School of Psychology

Scholarships and studentships

Scholarships may be available; contact the School directly or email financialsupport@bham.ac.uk

Fees and funding

Standard fees apply (see pages 62–63), except for:

- Brain Injury Case Management/Brain Injury Rehabilitation – £3,045 (UK/EU part-time)
- ForenPsyD – £7,260 pa (UK/EU 3 years full-time) – £12,750 pa (Overseas)
- ForenPsyD – 4 years part-time for those employed in a forensic setting Year 1 and 2 – £6,540 pa; Year 3 and 4 – £3,600 pa
- ClinPsyD – fees are paid by the NHS
- MSc/Diploma Criminological Psychology – £5,160 pa (UK/EU part-time)
- MSc/Diploma Clinical Criminology – £5,160 pa (UK/EU part-time)
- MSc Forensic Psychology Practice – £7,260 pa (UK/EU full-time); £12,750 (overseas full-time)
- CPD Doc in Forensic Psychology Practice – £7,000 pa (UK/EU full-time) £3,500 (UK/EU part-time)
- PG Diploma: £6,090; IPC: £1,015

Please note these fees are those charged in 2012–13 and are for guidance only. Contact the School for the most up-to-date information.

Starting dates

- PhD/MSc by Research programmes may start at any time of the year, though for most this will be September 2013
- PG CBT Diploma – January 2013; IPC – various dates throughout the year
- Other programmes – September/October 2013

Learn more

www.birmingham.ac.uk/schools/psychology

Taught programmes

Brain Injury Case Management

MSc/Postgraduate Diploma

PT

Brain Injury Rehabilitation

MSc/Postgraduate Diploma/Postgraduate Certificate

PT

These programmes are intended to meet the nationally identified need for a better trained and more appropriately qualified workforce in the field of brain injury rehabilitation, both at a professional (postgraduate) level and in the development of a growing range of support workers, enablers and rehabilitation technicians.

Brain Injury Rehabilitation is aimed at graduates with a relevant first degree, experienced care/support workers wanting to increase knowledge and improve skills in rehabilitation and professionally qualified clinicians. The Brain Injury Case Management programme is aimed at professionals such as nurses, social workers or physiotherapists looking to train as case managers.

Contact: Postgraduate Admissions – +44 (0)121 414 7576; braininjury@contacts.bham.ac.uk

Clinical Criminology MSc/Diploma

PT

This two-year part-time programme is designed to help professionals currently working in applied settings, including forensic mental health, the police, Social Services and the National Offender Management Service, to develop skills relevant to their practice. Two routes are available through this programme. One is for practitioners working directly with offenders or victims and involves working on a detailed case study. The second focuses on new developments in forensic psychology and forensic linguistics which apply to the investigation and prosecution of serious crimes. Applicants for the second route do not need to be working directly with victims or offenders. Applicants should hold a relevant degree (at least a second class honours).

FT Full-time
PT Part-time
DL Distance Learning

Apply online see pages 66–69



Criminological Psychology MSc/Diploma

This two-year part-time programme equips you with an understanding of contemporary theories of criminal behaviour and the criminal justice system, together with the skills to analyse individuals' offending behaviour and to plan treatment and supervision strategies for both victims and offenders. Both theory and practice are set in the context of the legal and institutional systems through which offenders and victims are managed. The Masters programme is accredited by the BPS as equivalent to stage one of training for Chartered Psychologist status.

PT The next available Diploma and IPC course will be starting in January 2013. Please see our website for up-to-date information. Alternatively if you would like to receive further information about these courses visit <http://cbt.bham.ac.uk/about.php>

Contact: Course Administration Assistant –
 +44 (0)121 414 7198; cbtprogramme@contacts.bham.ac.uk

Combined research and taught programmes

Forensic Psychology Practice MSc

This two-year full-time programme is offered by the Centre for Forensic and Criminological Psychology, and combines academic teaching, research, and professional training during forensic placements. The programme is open only to psychology graduates who are registered with the BPS (GBC status) and who have experience with clients in a forensic setting. This course is part of the Doctorate in Forensic Psychology Practice (ForenPsyD), which is a professional qualification. All trainees are required to sign a generic code of professional conduct and fitness to practise statement, as well as a completing an enhanced CRB check.

PT The core syllabus includes experimental design and analysis, computing, current theoretical approaches, and training in the professional skills needed for research. You undertake two research placements and a substantial research project, which is usually linked to current research within the University, but may also be linked to other academic or commercial institutions. The programme contains additional modules on the theory and methods of brain imaging, and on current advances in cognitive neuroscience linked to these methods.

Successful completion of the Masters is accredited as meeting Stage 1 of the BPS Chartership route and students can apply to the BPS for some level of exemption from Stage 2. However, most trainees will progress to the third year for the Doctorate course, which is approved by the HPC and BPS (See Forensic Psychology Practice Doctorate – ForenPsyD).

The contact for all forensic taught programmes is the course administrator: Sue Hanson – +44 (0)121 414 3319; s.a.hanson@bham.ac.uk

Clinical Psychology MRes

FT PT

The programme provides you with understanding and experience of the research methods and techniques appropriate for applied settings. There is a taught component with a focus on the specialist skills and methods required to conduct and evaluate psychological research in clinical settings. This includes: single-case, small *n*, survey, and intervention designs; qualitative and quantitative methods; and principles of applied psychology. There are also two research placements and a final research project which are all supervised by staff affiliated to the Doctorate in Clinical Psychology programme or working in clinical areas. Successful students should graduate with skills and experience to strengthen their applications for PhD research, DClinPsy training, clinical research and/or Assistant Psychologist posts.

Cognitive Behaviour Therapy Programmes

- Introductory Practitioner Course
- Postgraduate Diploma in Cognitive Behaviour Therapy
- MSc in Cognitive Behaviour Therapy

Cognition and Neuroscience MRes

FT PT

You follow the core syllabus and undertake two research placements and a substantial research project. At the end of the programme you are equipped either for further research study or for a career in the development and evaluation of cognitive, computational and/or neuroscientific models.

Life and Environmental Sciences

School of Psychology

Cognition and Computational Neuroscience MRes **FT PT**

You follow the core syllabus and undertake two research placements and a substantial research project. At the end of the programme you are equipped either for further research study or for a career in the development and evaluation of cognitive, computational and neuroscientific models.

Cognitive Neuropsychology and Rehabilitation MRes **FT PT**

You follow the core syllabus and undertake two research placements and a substantial research project. At the end of the programme you are equipped either for further research study or for a career in the development and evaluation of cognitive, computational and/or neuroscientific models. This programme leaves you well equipped to assess neuropsychology disorders and evaluate therapeutic interventions.

Computational Neuroscience**and Cognitive Robotics** MRes**FT PT**

This MRes is designed for those who are interested in applying knowledge of neural systems and brain function in research on human cognition, the sensory and motor systems as well as the design of bio-inspired and biologically plausible robotic systems. The programme aims to mesh two active and rapidly developing fields, computational neuroscience and cognitive robotics, to generate novel 21st century strategies and solutions. From modelling human decision making to making robots move, this course works the boundary between biology and technology.

Psychology MRes**FT PT**

The syllabus includes training in quantitative and qualitative research methods; computer use for academic purposes; the history and philosophy of psychological science and the critical review of current research methods in psychology; presenting information in written, oral, poster and web-based formats; and the professional skills needed for research. You undertake research placements and a substantial research project, usually linked to current research within the University, but may also be linked to other psychology departments or relevant institutions

in the Midlands. At the end of the programme you are equipped for further research study or for careers in the development and evaluation of psychologically relevant models in the workplace.

Contact for all MRes programmes:

Carly Talbot or Shelley Nolan – +44 (0)121 414 2752;
pg-psychology-admissions@contacts.bham.ac.uk

Continued Professional Development Route to the Doctorate in Forensic Psychology Practice (CPD Doc in FPP)

We are now offering a Continued Professional Development route to the Doctorate in Forensic Psychology Practice. This course provides forensic psychologists with an opportunity to advance their existing applied research knowledge and skills to Doctoral level. Forensic psychologists undertaking this course will develop a capacity to formulate complex applied research questions and investigate these in a methodologically rigorous manner.

The course combines taught and self-directed research elements in the study of offending behaviour and criminal activity. The programme is examined by continuous assessment, with students completing a series of classes, assignments and projects over the programme duration. Students are required to attend taught classes, aimed at developing advanced research skills and complete assignments via self-directed learning in conjunction with an academic supervisor. Students will be required to incorporate this work into a thesis that will be assessed via oral examination.

In addition to good performance at interview, successful applicants will have an MSc in Forensic Psychology (accredited or previously accepted by the British Psychological Society) graded at merit or above and status as a Forensic Psychologist registered with the Health Professions Council. Chartered Psychologist Status with the British Psychological Society is preferable but not essential.

Contacts:

Sue Hanson – +44 (0)121 414 3319; s.a.hanson@bham.ac.uk
Dr Louise Dixon – +44 (0)121 414 7218; l.dixon.1@bham.ac.uk

FT Full-time
PT Part-time
DL Distance Learning

Apply online see pages 66–69



Professional qualification programmes

These are integrated three-year courses leading to a professional qualification. All trainees are required to sign a generic Code of Professional Conduct and Fitness to Practise statement.

Clinical Psychology Doctorate (ClinPsyD)

FT

The University of Birmingham is one of the major centres for clinical psychology training in the UK and most graduates take up posts in NHS departments. Candidates offered a place on the programme are funded by the NHS. Trainees complete five placements in a range of health settings across the West Midlands. Trainees are assessed by a series of clinical practice reports and other assignments over the three years, and by a viva examination for the final research thesis. The programme is organised on a collaborative basis with local NHS psychologists, and many local clinicians are involved in teaching. Applications are via the Clearing House in Clinical Psychology – please see www.leeds.ac.uk/chpccp

Contact: Sharon Boyce, Admissions Secretary – +44 (0)121 414 7124; s.a.boyce@bham.ac.uk

Forensic Psychology Practice Doctorate (ForenPsyD)

FT PT

This full-time programme offered by the Centre for Forensic and Criminological Psychology, combines academic teaching, research, and professional training during forensic placements. It is open only to psychology graduates who are registered with the BPS (GBC status) and have experience working in a forensic setting. The two-year interim MSc is accredited and recognised by the BPS as contributing to training in forensic psychology. At the end of the two year MSc, if you meet the requirements, you may proceed to the third year full-time to complete forensic research and research methods, leading to the award of a Doctorate (ForenPsyD).

You will also be eligible for BPS Chartered Psychology status and full membership of the Division of Forensic Psychology, and eligible to apply for registration with the Health Professions

Council as a Forensic Psychologist, which is the statutory regulating body for Psychology. The ForenPsyD is a professional qualification. All trainees are required to sign a generic Code of Professional Conduct and Fitness to Practise statement, as well as a completing an enhanced CRB check.

A four-year part-time option is available for forensic organisations who wish to sponsor a trainee through the ForenPsyD course while employed.

Contacts:

Sue Hanson – +44 (0)121 414 3319;
s.a.hanson@bham.ac.uk

Dr Catherine Hamilton-Giachritsis – +44 (0)121 414 4925;
c.hamilton.1@bham.ac.uk

Doctoral research programmes

Psychology PhD/MSc by Research

FT PT

Research interests

■ Developmental, Social and Applied Psychology

Contact: Dr Ian Apperly – +44 (0)121 414 3339;
i.a.apperly@bham.ac.uk

■ Behavioural Neuroscience

Contact: Professor Zoe Kourki – +44 (0)121 414 8509;
z.kourki@bham.ac.uk

■ Language, Cognition and Perceptual Systems

Contact: Dr Sotaro Kita – +44 (0)121 414 6203;
s.kita@bham.ac.uk

For PhD Admissions enquiries:

Postgraduate Admissions Team –

+44 (0)121 414 2752/2864;

pg-psychology-admissions@contacts.bham.ac.uk

Life and Environmental Sciences

School of Sport and Exercise Sciences

The School of Sport and Exercise Sciences aims to develop and apply knowledge in the sciences of sport, exercise, health and rehabilitation. Its mission is to contribute to one of the key challenges facing contemporary societies; increasing the quantity and quality of engagement in physical activity to enhance health and wellbeing. To achieve its mission, the School engages in world-leading research and teaching delivered by academics working at the cutting edge of their fields. The impact of the School's work is seen in the development of knowledge that can address the diverse sport, exercise and physical activity needs of individuals and communities. In the last Research Assessment Exercise, the School was ranked equal first in the UK.

World leaders in the sciences of sport, exercise, health and rehabilitation

The School is able to meet students' aspirations by offering taught postgraduate programmes and research degrees across a wide range of areas from exercise science to sport coaching. We have expertise in both the natural and social sciences, and we run programmes in collaboration with colleagues in the Medical School and Physiotherapy, and with professional groups such as the Professional Golfers' Association. In this multi-disciplinary environment, students can gain valuable academic and employability skills leading to a wide range of career outcomes. Supporting students' personal employability aspirations is a key focus for all postgraduate programmes.

State-of-the-art facilities and a multi-disciplinary academic community

We boast the largest custom-built sport and exercise facility in the UK. If your interests are in the natural sciences, you will have access to teaching and research laboratories for physiology, biochemistry, psychophysiology, biomechanics, sport psychology, motor skills, immunology, muscle mechanics and the neurophysiology of movement. If your interests are more professional and vocational, you will be able to develop your academic knowledge in practice-related settings while

broadening your understanding of the wider research fields relevant to your work. Access to topics of interest in the extensive School research seminar programme is a real benefit of studying in a large, multi-disciplinary school.

Collaborative provision and research

It is increasingly recognised that academic collaborations across traditional disciplinary boundaries are vital to advancing knowledge and supporting policy and professional practice. We have well-established links with: the Medical School, University Hospitals Birmingham, Physiotherapy and the schools of Biosciences and Psychology for health-related aspects; the Business School and School of Government and Society for sport policy and participation; the School of Education for teaching and coaching; and University of Birmingham Sport for sports participation and performance. We also work closely with professional sports and practitioner bodies, and we have developed unique educational partnerships with, among others, the Professional Golfers' Association and the Football Association. With this range of outstanding collaborators, on and beyond campus, we are ideally placed to tackle some of the most challenging physical activity questions facing contemporary societies.

Academic support: a mode of study to support your needs

For taught students, we understand the pressures of juggling work and home life and therefore these programmes are offered on a flexible basis. Campus-based postgraduate programmes can be completed on a full- or part-time basis, and can usually be taken as PGCert, PGDip or MSc qualification. Individual modules are also available and credits gained from individual assessed modules can then be used towards a full qualification at a later stage.

A number of our professional programmes are run via distance education. Students on these courses will be required to attend three compulsory block teaching sessions during September, December and March. The course is completed through 'blended learning' which is a mixture of online and face-to-face contact.

FT Full-time
PT Part-time
DL Distance Learning

Apply online see pages 66–69



We also have a vibrant postgraduate research community with over 50 full-time PhD students registered. However, it is not just the size of our postgraduate community that is important, but its quality. High quality is achieved through carefully targeted recruitment, supportive supervision arrangements (all students have two supervisors plus a mentor), and by providing formal training, both within and outside the School, in both generic and discipline-specific skills.

Postgraduate study

Applications to taught postgraduate programmes are made via the University website at: www.birmingham.ac.uk/students/courses/postgraduate/index.aspx

Applications for PhD training in research can be made at any time of the year and research topics should be linked to areas of research expertise within the School. Our research is organised into six main research groups as listed on page 168. Detailed enquiries about specific research areas can be answered by the contacts on the research group pages online at www.birmingham.ac.uk/students/courses/postgraduate/findaphd.aspx

General enquiries:

Postgraduate Research (PhD): Jill Barnes

+44 (0)121 414 4108; j.barnes.plb@bham.ac.uk

Postgraduate Taught (MSc, PGDip, PGCert): Simon Briercliffe

+44 (0)121 415 8246; mscsportped@contacts.bham.ac.uk

Duration of programmes

Campus-based MSc programmes can be completed on a full-time basis within 13 months or on a part-time basis within a maximum period of six years. You can choose to take a PGDip or PGCert qualification in less time. Distance learning programmes are completed in two years for the PGDip qualification, or three for an MSc.

The duration of programmes for MPhil/MRes and PhD is as prescribed by University regulations and is pro rata for part-time study, depending on the percentage of time spent on research.

Entry requirements

See 'General entry requirements' on page 68 or contact the department.

English language requirements

Standard English language requirements apply (see page 68).

Scholarships and studentships

Scholarships may be available. See the School's website or email financialsupport@bham.ac.uk for more information.

Fees and funding

Standard fees apply (see pages 62–63).

Starting dates

PhD courses normally commence at the start of the academic year, but are flexible by negotiation. All taught programmes commence at the start of the academic year.

Accreditation of prior learning or experience

The generic term AP(E)L is used to encompass both Accredited Prior Learning and Accredited Prior Experiential Learning. The AP(E)L scheme means that we can consider accreditation of previous formal certified and experiential learning for modules within the programmes. Further information can be found at: www.admissions.bham.ac.uk/apl

Learn more

www.birmingham.ac.uk/schools/sport-exercise

Life and Environmental Sciences

School of Sport and Exercise Sciences

Taught programmes

Exercise and Sport Sciences MSc

PT PT

This postgraduate Masters programme provides training in the practical, theoretical and applied elements of Exercise and Sport Sciences. The MSc has three compulsory modules which all students complete: Research Methods, Continued Professional Development, and Integrated Body Systems. The remaining taught elements of the course are delivered in the form of optional modules, allowing you to shape the course to meet your particular interests. Examples include nutrition and metabolism, neuromusculoskeletal adaptation to exercise, psychology of physical activity promotion and cardiovascular and respiratory physiology.

Contact: Dr Sarah Aldred – +44 (0)121 414 7284;
s.alred.1@bham.ac.uk

Golf Coaching Advanced Certificate

PT DL

This programme is a unique development in the field of golf coaching. Professional learning in a research-led environment supports your development as a high-quality coach. This programme aims to develop your skills, build your understanding of new developments and theory in coaching and its allied areas, and integrate this knowledge into your own personal practice. Students will be required to attend three compulsory block teaching sessions during September, December and March.

Contact: Simon Briercliffe – +44 (0)121 415 8246;
mscsportped@contacts.bham.ac.uk

Physical Education and Sport Pedagogy MSc

PT DL

This programme seeks to support the continuing professional development of practising physical education teachers. It is expected that teachers taking the programme will develop the skills to allow them to critically evaluate new developments/theory and integrate this knowledge where appropriate to enhance their personal practice. Teachers graduating from this programme will be ideally placed to take leadership positions and challenge current practices, for example in developing new

pedagogies for health and positive youth development. Students will be required to attend three compulsory block teaching sessions during September, December and March.

Contact: Simon Briercliffe – +44 (0)121 415 8246;
mscsportped@contacts.bham.ac.uk

Sports Coaching MSc/PGDip

PT DL

This programme is unique in the field of sport coaching. Taught in a dynamic and collaborative research environment, the aim of the programme is to develop high-quality coaches who can lead the field. The knowledge and understanding gained from this programme will place you in an ideal position to challenge current practices, improve participation and performance, and inform the future direction of your sport at all levels. Students will be required to attend three compulsory block teaching sessions during September, December and March. Recruitment is onto the Postgraduate Diploma in Sports Coaching with the possibility of transfer onto the MSc after the successful completion of the diploma.

Contact: Simon Briercliffe – +44 (0)121 415 8246;
mscsportped@contacts.bham.ac.uk

Sport Policy and Management MSc

PT DL

This programme aims to provide the basis for students in their transition to sports-related employment and/or the continuing professional development of practising sports-related workers (Sports Development Officers/Sports Centre Managers etc.). Its focus is on the development of skills to enable you to critically evaluate new developments/theory and to integrate this knowledge into personal working practice. Topics as diverse as the political leveraging of sports events (Olympics/FIFA World Cup) and the commercialisation of sport will be covered using innovative blended delivery. Students will be required to attend three compulsory block teaching sessions during September, December and March.

Contact: Simon Briercliffe – +44 (0)121 415 8246;
mscsportped@contacts.bham.ac.uk

FT Full-time
PT Part-time
DL Distance Learning

Apply online see pages 66–69



Combined research and taught programme

Exercise and Sport Sciences MRes

FT PT

This programme provides you with a research oriented training in the practical, theoretical and applied elements of Exercise and Sport Sciences. The taught elements of the MRes are delivered in the form of optional modules in core disciplines within exercise and sport sciences, allowing you to shape the course to your particular interest. Extended research experience is offered through a six-month research project in your chosen discipline.

Contact: Dr Sarah Aldred – +44 (0)121 414 7284;
 s.alred.1@bham.ac.uk

Linked programmes

Exercise and Sports Medicine (Football) MSc/PGDip

FT PT

This innovative programme has been developed in partnership with the Football Association, and is aimed at physiotherapists and doctors working in football medicine or with an interest in moving into this field. The programme focuses on advanced practice in football medicine through achievement of the international competencies and standards established by the International Federation of Sports Physiotherapists, or the Specialty Training Curriculum for Sports and Exercise Medicine from the Joint Royal Colleges of Physicians Training Board (to level Specialty Training 5). Unique features of the programme include the delivery of two specialist modules at The Football Association's National Football Centre, St George's Park at Burton on Trent, anatomy development within the prosectorium at the University, and practice mentorship within a football/sports medicine environment.

Contact: Dr Alison Rushton – +44 (0)121 415 8597;
 a.b.rushton@bham.ac.uk

Advanced Manipulative Physiotherapy MSc/PGDip

FT PT

This programme enables exploration of the theoretical basis of manipulative physiotherapy and its application to the development of your clinical reasoning. Using the process of clinical reasoning as its framework, this programme integrates the many approaches to practice in this specialist area. It facilitates an evaluation of existing evidence through the exploration of the assessment and management of neuromusculoskeletal dysfunction. Successful completion of the programme at PGDip qualifies students for membership of the Musculoskeletal Association of Chartered Physiotherapists (MACP) and the International Federation of Orthopaedic Manipulative Physical Therapists (IFOMPT).

Contact: Nicola Heneghan – +44 (0)121 415 8367;
 n.heneghan@bham.ac.uk

Advancing Practice MSc/PGDip/PGCert

FT PT

This programme offers the opportunity to advance your practice through selection of a profile of modules that meet your personal development needs and aspirations. Modules are designed to facilitate capability to undertake a range of roles; eg, specialist, extended scope or consultant roles. This will also appeal to those involved in service development or role redesign. The programme has a clinical focus and offers flexible learning for Allied Health Professionals and nurses. The programme includes the opportunity to undertake clinical placements overseas, enabling us to meet the needs of international students. Opportunities will be available for participants to evaluate their current practice and undertake learning experiences that advance their capability as a practitioner.

Contact: Dr Carolyn Roskell – +44 (0)121 415 8604;
 c.a.roskell@bham.ac.uk

Life and Environmental Sciences

School of Sport and Exercise Sciences

Health Studies MSc/PGDip/PGCert

This programme is designed to further develop your knowledge and ability to evaluate current health care practice. It combines an evidence-based approach with opportunity for personal development through a flexible and supportive learning experience. In planning the programme and its delivery, we have sought to create a student-centred, flexible programme that enables you to select modules that meet your individual learning needs, career aspirations and interests. The scope and flexibility of the programme will appeal to individuals with a theoretical interest in health related issues and it is particularly suited to individuals who are seeking a non-clinical programme of study. Through careful selection of modules you can create the course that will meet your individual development needs.

Contact: Clive Liles – +44 (0)121 415 8606;
c.r.liles@bham.ac.uk

Doctoral research programmes

Sport and Exercise Sciences PhD/MPhil

The School's Research Mission is a scientifically rigorous approach to the study of sport, exercise, health and rehabilitation. Studies increasingly involve an interdisciplinary research approach integrating the expertise and analytical skills of the School's six main research areas.

FT PT

■ Behavioural Medicine

The underlying mission of the group is to study the effects of behavioural (including exercise) and psychosocial exposures on biological systems and their implications for health and disease. Research within the group is organised with respect to two broad themes: behavioural immunology and cardiovascular psychophysiology.

■ Cardiovascular and Respiratory Physiology

The capacity for physical activity depends critically on optimal functioning of the cardiovascular and respiratory systems, and the group studies how the integration of multiple inputs that sense metabolic and mechanical perturbations (eg, blood gases, muscle metabolic milieu and contraction status) results in appropriate autonomic neural output for regulation of blood flow, blood pressure and respiration in health and disease.

■ Exercise Metabolism and Nutrition

The research builds on expertise in exercise biochemistry, physiology, nutrition and metabolism applied to human beings at an integrative level. The aims are to investigate determinants of sports performance at both elite and participation level and health effects of exercise in obese, ageing and diseased populations. Studies aim to create insight in mechanisms ranging from molecular adaptations in tissues to the measurement of fuel use and key physiological functions at tissues and whole body level.

- FT** Full-time
PT Part-time
DL Distance Learning

[Apply online](#) see pages 66–69



■ Human Movement and Rehabilitation

Human movement is studied from infancy to old age and across the whole range of human ability from infirm participants to elite athletes or other skilled practitioners. The research embraces traditional disciplines such as biomechanics, neurophysiology, and psychology, most often combined within a single project. Research within the group addresses three broad themes: perception and action, programmed control, and sporting performance.

■ Professional Practice in Sport and Sport Policy

Teachers, coaches, instructors and policy makers play a major role in determining the quality of participants' experiences in sport and exercise. If learning experiences are poor or inappropriate, for example at school or in sports clubs, participants will either fail to reach their potential or will drop out. Researchers in this group focus on finding new ways to support professional practitioners in sport and exercise so that they are better equipped to meet the diverse needs of learners. This is an essential part of the global lifelong health and wellbeing agenda.

■ Sport and Exercise Psychology

The interests of the group range from elite sports motivation and performance to public health exercise and physical activity. Research within the group is organised in three broad themes: motivation and engagement in the physical domain; mental skills and physical performance; and environmental factors and lifestyle physical activity.

College of Medical and Dental Sciences

Birmingham –

. an inspiration

I am a structural biologist and I am trying to figure out the three-dimensional structures of proteins in the cell and how these particular types of proteins, when mutated, actually cause heart disease.

We are trying to get a sense of what they are doing and how they carry out their functions. Further down the line it is also hoped that we can use this research to design drugs for these proteins that will correct the malfunctions and prevent heart disease in the patients.

My research results have been published in the *Journal of Molecular Biology* – I wasn't expecting to get a paper published so early in my career but it just goes to show that if you have a lot of motivation, the right supervisors, a strong research environment in which to work, and ask the right questions, it really helps you to achieve things.

Caesar

Doctoral Researcher in the School of Cancer Sciences





Medical and Dental Sciences

Graduate Entry Medical Course MBChB FT

Please note: this course is open to UK/EU students only

We offer a four-year Medicine and Surgery MBChB programme for graduates with a first degree in a life science. On this programme you are taught in small groups in the first year, joining the five-year programme in the second year, where you will receive some additional taught components.

Entry requirements

For this taught MBChB programme you will need a first class Honours degree in a life science discipline. A sound knowledge base in Chemistry is essential. Qualifications relating to other healthcare professions such as pharmacy, dentistry and physiotherapy are accepted.

Secondary school qualifications are also used to identify the best applicants. In particular, we expect very good results in Science, Mathematics and English (recognised qualifications only). As a guide, our A level threshold requirements are BBB, though this may be raised through competition.

Candidates who are undertaking higher degrees are expected to have submitted their dissertations or theses before starting the course.

A satisfactory health declaration, including evidence of appropriate immunisations and a satisfactory enhanced level Criminal Records Bureau check, are required from accepted candidates prior to registration for the programme. All students are required to sign the subject-specific Code of Professional Conduct and Fitness to Practise statement prior to entry; details of which will be forwarded with an offer letter.

It is our policy to interview all candidates to whom an offer may be made. A doctor must have a broad range of skills and it is primarily at interview that we consider such aspects. Therefore, in addition to providing evidence of motivation for medicine, you must also show good breadth and depth of involvement in extracurricular activities.

How to apply

Apply via UCAS at www.ucas.com

The UCAS code for this programme is A101 and the code for the University of Birmingham is B32.

Fees and funding

Standard undergraduate fees apply. For details see www.birmingham.ac.uk/students/fees/undergraduate/index.aspx

Scholarships and studentships

NHS Bursaries are available in Years 2–4 of the programme; these are means-tested: contact the NHS directly for further information.

Phase 1 – clinical orientation (two years)

The first year is a problem-based learning programme with a limited number of lectures. You work on case studies as part of a group of about eight students, with a moderator for your group and are presented with different clinical cases (or 'problems').

The case studies integrate topics across the curriculum (eg, biological sciences, public health, ethics, sociology, psychology, etc), with students using the case as a basis for group discussion, identifying learning objectives and consequent self-directed learning. There is a particular focus on anatomy and behavioural science; since you will have covered little of these subjects in comparison with your knowledge of other life science topics. Early clinical contact is a feature of the course with students spending a day a week in a GP practice.

Teaching is organised into modules, which run for three or four weeks and are themed to a physiologic system; eg, the cardiovascular system. The aim is to ensure that the clinical case, the anatomy topics and the GP practice experience are all related to one theme.

- FT** Full-time
PT Part-time
DL Distance Learning

Apply online see pages 66–69



A typical week might involve:

- A period of self-directed learning
- Group discussions of the clinical case
- Group work in anatomy
- One or two lectures (plus contact with experts)
- A day in primary care with direct contact with patients presenting symptoms relevant to the current theme

There are formative assessments each semester, together with feedback from your moderator to assist you in your learning. At the end of the year there is a summative assessment on your clinical skills, knowledge and interpretive aspects of your learning.

Your second year is based in the health trusts that teach the third-year course for students on the five-year MBChB programme. Rotation between different trusts provides substantial clinical experience. As a GEC student you take one additional module, which continues your case-based learning and furthers your basic and behavioural science training. You join the students on the five-year programme in their clinical science lectures, and in the teaching and special study module in public health and epidemiology.

A typical week might involve:

- Lectures
- Small-group clinical teaching sessions
- Clinic sessions
- One day in primary care
- Attendance with the on-call medical or surgical team
- A period of self-directed learning

Phase 2 – specialist rotations

After two years in Phase 1, you have the same knowledge and skills – having achieved the same learning objectives – as students who have completed the third year of the five-year MBChB programme.

The two groups then have essentially the same specialty and general practice experience and assessments for the remaining two years; thereby covering all aspects of clinical medicine. You will have clinical attachments in internal medicine and surgery, and spend time in medical sub-specialty areas such as cardiology, neurology, bone and joint disease, and oncology. In these years you also do further attachments in obstetrics and gynaecology, psychiatry, paediatrics and general practice.

Career opportunities

Following graduation and on completion of the foundation years, you can apply for posts in the field of specialisation of your choice. For most of our graduates these are hospital and primary care posts in the NHS, but there are also opportunities in laboratory-based disciplines such as pathology, or in research. Some doctors move into more commercial fields such as the pharmaceutical industry, politics, or medical journalism and the media. Whichever direction you choose to go in, your training here gives you a first-class springboard.

For further information please contact:

Dr Austen Spruce – +44 (0)121 414 6888;
 a.e.spruce@bham.ac.uk

More details can be found at

www.birmingham.ac.uk/graduatemedicine

Medical and Dental Sciences

School of Cancer Sciences

The School is one of the world's premier translational cancer research institutes and we are proud to make an important contribution to one of the major challenges of our generation.

We offer a range of postgraduate education opportunities including both research and taught programmes. Opportunities are available on a full- or part-time basis leading to the qualifications of MD, PhD, MSc by Research, MSc, Postgraduate Diploma and Postgraduate Certificate. Continuing professional development (CPD) opportunities are also available as short study programmes.

Cancer Sciences at Birmingham incorporates the following areas:

- Cancer Research UK Centre
- Cancer Cell Biology
- Cancer Genetics and Epigenetics
- Birmingham Clinical Trials Unit
- Cancer Research UK Clinical Trials Unit
- Nuclear Magnetic Resonance and Biomarkers
- Tumour Immunology and Immune Gene Therapy
- Viral Oncology

Cancer Research UK Centre (CRUK)

Generous funding for research and studentships in the School is provided by our major sponsor, Cancer Research UK, as part of its national programme of support to centres of excellence. In addition, we receive major funding from the Medical Research Council (MRC) and the Leukaemia and Lymphoma Research Fund (LLR).

We have a strong international reputation, with research programmes in several DNA tumour virus systems (molecular, cellular and immunological aspects), in cell signalling biochemistry, in the genetic analysis of susceptibility to cancer, in gene regulation and in T cell immunology in relation to bone marrow transplantation.

Cancer Cell Biology

The study of the phenotype of the transformed cell is undertaken by several research groups:

- Dr Fedor Berditchevski is looking at the role of tetraspanins in cancer cell biology and has demonstrated that these proteins modulate cell migration and antigen presentation and thus provide the possibility of novel translational targets.
- Dr Chris Tselepis focuses on how iron drives epithelial carcinogenesis and has demonstrated that cellular iron acquisition is increased in several gastrointestinal cancers. This work interacts with that of surgeons Professors Dion Morton and Derek Alderson to provide a strong clinical collaboration.

Cancer Genetics and Epigenetics

DNA mutations are seen as the primary causal event in all human cancers. However, epigenetic modification of the DNA genome is also emerging as a powerful influence on the development of tumours and is an important target for therapy. Professor Malcolm Taylor is head of our Genetics group and continues work on the study of the ataxia telangiectasia mutated (ATM) gene. The team is now investigating the significance of ATM mutation in haemopoietic and epithelial malignancy.

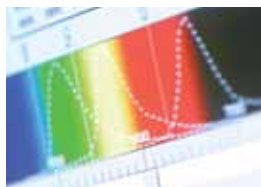
Birmingham Clinical Trials Unit (BCTU)

We specialise in the design, conduct and analysis of clinical trials. Our fundamental objective is to generate more reliable evidence on the causes and best treatment of a wide range of diseases through high quality clinical trial research. The Unit comprises some 40 other personnel, including trial managers, statisticians, and IT and administrative staff. We are based at the Robert Aitken Institute, close to the main University campus and Queen Elizabeth Hospital Birmingham.

Tel: +44 (0)121 415 9100; Email: bctu@contacts.bham.ac.uk
www.bctu.bham.ac.uk

FT Full-time
PT Part-time
DL Distance Learning

Apply online see pages 66–69



Cancer Research UK Clinical Trials Unit (CRCTU)

Our remit is to take basic research generated through laboratories and offer an infrastructure in which such developments can be translated rapidly and effectively. Many of the trials managed by the Unit relate to anti-cancer drugs, but much of our activity also relates to therapeutic approaches that are quite different from those of classical chemotherapies. Trials for new diagnostic tests, prognostic indices, molecular predictors of response, and cost effectiveness are all legitimate aspects of our portfolio.

Tel: +44 (0)121 414 3803

www.birmingham.ac.uk/cancersciences

Nuclear Magnetic Resonance and Biomarkers

The application of biomarkers to cancer clinical therapy is an important and growing area of interest. Professor Philip Johnson and Dr Ashley Martin are using proteomic analysis to identify serum markers that will be valuable in the diagnosis and monitoring of cancer therapy. The University of Birmingham hosts the national NMR centre directed by Professor Michael Overduin and Professor Ulrich Gunther. Professor Overduin is using structure analysis to study enzymes involved in carcinogenesis with a particular focus on cell signalling.

Tumour Immunology and Immune Gene Therapy

Virus-specific immunology is a particular strength of the School, with the first clinical trials of a therapeutic EBV vaccine targeting Hodgkin's lymphoma and nasopharyngeal carcinoma currently being undertaken in the UK and China. Research into the immune responses to cytomegalovirus (CMV) and Kaposi's sarcoma-associated herpesvirus (KSHV) and their impact on human health is being carried out by Professor Paul Moss and Dr Andrew Hislop respectively.

Viral Oncology

The study of the relationship between viral infection and the development of cancer is one of the strongest themes within the School, with work ongoing on the relationship between Epstein-Barr virus (EBV) and cancer being undertaken by Professors Rickinson, Young, Rowe, Murray and Woodman.

Other major viral research being carried out in the School is on human papillomavirus (HPV) and KSHV by the groups of Dr Sally Roberts and Professor David Blackbourn, respectively.

Duration of programmes

- PhD – 3 or 4 years full-time; 6 years part-time
- MD – 2 years minimum part-time
- MSc by research – 1 year full-time; 2 years part-time
- MSc/PGDiploma – 1 year full-time; 2 years part-time

Also see individual programme entries or visit our online prospectus www.birmingham.ac.uk/students/courses/postgraduate

Entry requirements

Visit our online prospectus www.birmingham.ac.uk/students/requirements

Also see 'General entry requirements' on page 68.

English language requirements

Candidates whose first language is not English will need to meet the English language requirements stipulated for Medicine and Dentistry. See also standard English language requirements on page 68.

Scholarships and studentships

For postgraduate studentships in Cancer Sciences, please contact the School directly or visit our online prospectus.

Fees

Standard fees apply (see pages 62–63 for details) although in some projects a bench fee is also payable.

Starting dates

- Research degrees may start at any time of the year, though for most this will be October
- Taught programmes (MSc/Diploma) – September 2013

Learn more

www.birmingham.ac.uk/cancersciences

Medical and Dental Sciences

School of Cancer Sciences

Taught programmes

Clinical Oncology MSc/PGDiploma

FT PT

This programme is for healthcare professionals from diverse backgrounds who wish to expand their knowledge of theoretical and practical aspects of oncology. You can opt for a PG Diploma on completion of the core modules and 40 credits of optional modules, or an MSc on successful completion of the taught programme and an independently researched dissertation. It is essential that candidates should have at least six months' experience working in an oncology environment and an undergraduate degree in a suitable subject. We accept Accreditation of Prior Learning (APL). As an exciting development, we are offering the full-time programme with a Clinical Observership at a local hospital. For further information about this programme visit www.birmingham.ac.uk/clinicaloncology
Contact: Dr Jean Assender – +44 (0)121 415 8808;
clinicaloncology@contacts.bham.ac.uk

Translational Medicine: Interdisciplinary**Biomedical Technologies** MSc

FT

Programme under development

This programme provides an opportunity to explore the biophysical technologies in the context of translational medicine. It is targeted towards students interested in biomedical research and provides a breadth of training in medical, biological, biophysical and computational skills targeted towards biomarker discovery and personalised medicine. The programme is designed to link bench and bedside by combining modules introducing clinical aspects and clinical trials with a wide range of biophysical technologies. A final module comprises an extended laboratory research project. Further information is available at www.birmingham.ac.uk/translationalmedicine
Contact: Professor Ulrich Guenther – u.l.gunther@bham.ac.uk

Urology MSc/PGDipoma

PT

Programme under development

This is a programme for urology specialists, allied healthcare professionals and people from the pharmaceutical industry who wish to expand their scientific understanding of urological diseases and best current practice in its treatment. Research methodology training and scientific discussions will inspire students to critically engage with the scientific and trial literature; so that they can become informed clinicians and the next generation of clinical leaders in the field. You can opt for a Postgraduate Diploma on completion of the taught modules or an MSc on successful completion of the taught programme and an independently researched dissertation. The programme will be taught on a part-time basis with week-long blocks of study over two years. In addition, a range of blended learning and e-learning resources will be used. Further information is available at www.birmingham.ac.uk/mscurology
Contact: Dr Prashant Patel – p.patel@bham.ac.uk

We also have a combined research and taught programme under development:

Cancer Sciences MRes

FT

Contact: Roger Watson – r.watson@bham.ac.uk
www.birmingham.ac.uk/mds

Doctoral research programmes

For any general doctoral research enquiries please email dr@contacts.bham.ac.uk or call +44 (0)121 414 5005

Cancer Sciences PhD/MD

FT PT

Our PhD programme is extremely active and requires participation in regular seminars and discussion groups in addition to your research project work. Cancer Sciences remains a major research strength within the College of Medical and Dental Sciences, as evidenced by the fact 80% of our RAE 2008 submission in the area of Cancer Studies was considered internationally excellent or world leading. Particular strengths include cancer cell signalling, the DNA damage response, gene and immunotherapy, and cancer viruses.

FT Full-time
PT Part-time
DL Distance Learning

Apply online see pages 66–69



If you pursue your PhD here, we will train you and challenge you to solve the critical issues facing cancer research.

Research interests:

- Integrins; tetraspan proteins and cell signalling
- Biochemical studies of adenovirus transforming proteins; post-translational modification of proteins; apoptosis

Dr Fedor Berditchevski

- Urological malignancies; boron neutron capture therapy

Professor Nicholas James

- Cancer clinical trials and biomarkers

Professor Philip Johnson

- T cell responses and haematological malignancies; viral infections of the immunocompromised host; graft-versus-leukaemia

Professor Paul Moss

- NMR and cell signalling

Professor Michael Overduin

- Metabolomics; NMR

Dr. Ulrich Günther

- EBV infection and immunity

Dr Andrew Hislop

- Biology and immunology of Epstein-Barr virus

Professor Martin Rowe; Professor Alan Rickinson

- Human papillomaviruses; epithelial cell biology

Dr Sally Roberts

- Oncogenic viruses; Kaposi's sarcoma-associated herpes virus; virus immune modulation

Professor David Blackburn

- Viral vectors; gene therapy of cancer

Dr Peter Searle

- Gene regulation in the hematopoietic system

Professor Constanze Bonifer

- Breast cancer genetics

Dr Jo Morris

- Experimental genetics

Professor Bryan Turner

- Molecular basis of T cell and NK cell receptor recognition

Dr Ben Willcox

- Adenovirus gene regulation of tumour suppressors

Dr Andy Turnell

- Regulating the cellular response to DNA damage

Dr Grant Stewart

- DNA damage response genes in lymphoid malignancies

Professor Tatjana Stankovic

- DNA repair

Dr Eva Peterman

- HPV and DNA repair

Dr Jo Parish

- Signalling events in oesophageal carcinogenesis

Dr Chris Tselepis

- Epigenetics, HPV and EBV

Professor Paul Murray; Professor Ciaran Woodman

- Tumour immunology

Dr Graham Taylor

- Brain tumours and metabolomics

Dr Andrew Peet

- Neuroblastoma and genomics

Dr Carmel McConville

- Leukaemia – phase I and II studies

Dr Pamela Kearns

- Gynaecological oncology and minimal invasive radical surgery

Dr Sudha Sundar

- Liver transplant pathology; hepatobiliary pathology; mechanisms of immune damage and growth factors in liver disease

Professor Stefan Hubscher

- Lymphoma biology; oncogenic herpes viruses

Professor Paul Murray

- Transplantation pathology

Dr Desley Neil

- Surgery

Professor Derek Alderson

Professor Dion Morton

Mrs Olga Tucker

Mr Simon Bach

Dr Glenn Matthews

Dr Martin Chidgey

Medical and Dental Sciences

School of Clinical and Experimental Medicine

The School has five major academic sections, encompassing education and research:

- Cardiovascular and Respiratory Sciences
- Endocrinology, Diabetes and Metabolism
- Medical Science and Education
- Neuropharmacology and Neurobiology
- Reproduction, Genes and Development

The School is host to four research centres:

1. The Centre for Cardiovascular Sciences
2. The Centre for Endocrinology, Diabetes and Metabolism
3. The Centre for Obesity Research
4. The Centre for Rare Diseases and Personalised Medicine

Our research portfolio includes the following disciplines:

- Cardiology and Cardiovascular Sciences
- Clinical Pharmacology and Therapeutics
- Anaesthetics and Intensive Care
- Respiratory Medicine
- Endocrinology, Diabetes and Metabolism
- Neurology, Psychiatry and Neurosciences
- Obstetrics, Gynaecology and Paediatrics
- Clinical Genetics

We offer a range of postgraduate education opportunities including research and taught programmes. Opportunities are available on a full- or part-time basis leading to the qualifications of PhD, MSc by Research, MD, MSc, Postgraduate Diploma and Postgraduate Certificate. Continuing professional development (CPD) opportunities are also available as short study programmes.

Duration of programmes

- PhD – 3 years full-time; 6 years part-time
- MSc by Research – 1 year full-time; 2 years part-time
- MD – 2 years minimum part-time
- MSc – 1 year full-time; 2–6 years part-time
- PG Diploma (Physicians Assistant Anaesthesia)
27 months full-time

Entry requirements

See general entry requirements on page 68. We accept a range of qualifications from different countries; see www.birmingham.ac.uk/international/students/country

Our Taught programmes may have very specific additional requirements; see individual entries or visit our online prospectus www.birmingham.ac.uk/students/courses/postgraduate

English language requirements

Standard English language requirements apply; see page 68.

Fees

Standard fees apply, although in some projects a bench fee is also payable. See the fees and finance section on pages 62–63.

Scholarships and studentships

For research programmes – a number of studentships are available each year, funded by major sponsors including the British Heart Foundation (BHF), the Medical Research Council (MRC) and the Wellcome Trust, as well as national and local charities. UK/EU students should contact the School directly for further information. For general scholarship enquiries email financialsupport@bham.ac.uk. For International scholarships and studentships please see www.birmingham.ac.uk/international/students/finance/scholarships/index.aspx

Starting dates

Research degrees may start at any time of the year, though for most this will be September. Taught programmes normally start in September. Please visit our online prospectus for further and up-to-date information.

Learn more

www.birmingham.ac.uk/clinexpmed

FT Full-time
PT Part-time
DL Distance Learning

Apply online see pages 66–69



Taught programmes

Clinical Neuropsychiatry MSc/PGDip/PGCert

FT PT

This is an interdisciplinary programme for experienced professionals working with people with neuropsychiatric disorders associated with neurodegeneration, brain injury, and other neurological illness. It is also open to Psychology and other neuroscience graduates who want to develop their academic and clinical skills. It provides students with: knowledge about the full range of neuropsychiatric disorders including assessment, diagnosis, treatment and prognosis. Students will be taught about developments in clinical neuroscience as well as relevant ethical, legal and philosophical concerns. They will also learn to critically appraise the literature in this area. In the first year, part-time students attend for one afternoon per week for the first ten weeks and then two three-day blocks, followed by one afternoon per week in the last ten weeks. In the second year there are four three-day blocks and one afternoon per week in the final ten weeks. Full-time students attend all of the sessions in one year. Further details are available at www.birmingham.ac.uk/clinicalneuro

Contact: Ms Louise Batchelor – +44 (0)121 414 3310;
clinicalneuro@contacts.bham.ac.uk

Forensic Mental Health Studies MSc/PGDip/PGCert

FT PT

This programme is designed for experienced professionals working in forensic mental health and those who are aspiring to work with mentally disordered offenders or patients who require similar services. It provides students with: knowledge of the diverse needs of mentally disordered offenders; an in-depth understanding of service provision and development for mentally disordered individuals at various stages in the criminal justice system; skills in promoting empowerment and quality of life of service users; the ability to critically evaluate theory and practice, and an understanding of the roles and responsibilities of different agencies and disciplines involved in the care of mentally disordered offenders. Lectures are held at the University on one afternoon a week (part-time) and two afternoons a week (full-time). Further details are available at www.birmingham.ac.uk/forensic

Contact: Mrs Angela Oakley – +44 (0)121 415 8118;
forensic@contacts.bham.ac.uk

Pharmaceutical Enterprise MSc/PGDip/PGCert

FT PT

Programme under development

This programme is an applied multidisciplinary course designed for entrepreneurial high-achieving individuals with ambition to take leading roles in SME pharmaceutical companies. As the major pharma business model changes, established and emerging SME pharmaceutical companies are increasingly delivering novel candidate pharmaceuticals (small molecules and biologicals). This trend is expected to continue and offers a very nourishing environment for spin-out and other SME pharmaceutical companies that require high calibre personnel who are knowledgeable about all aspects of pharmaceutical enterprise. The MSc Pharmaceutical Enterprise programme is delivered by experts in the field, many with ongoing experience of the sector; this ensures the programme maintains relevance in the fast moving industry. The interactive teaching offers students access to the medical, scientific, regulatory and business knowledge required to achieve success. The potential to perform internships or participate in consultancy projects arising from SME companies offer highly prized 'real life' experiences. Further information is available at www.birmingham.ac.uk/pharmaenterprise

Contact: Professor Nick Barnes – n.m.barnes@bham.ac.uk

Physicians Assistant (Anaesthesia)

Postgraduate Diploma

FT DL

This programme is for existing healthcare practitioners or graduates with a science background who wish to work as part of the anaesthetic team. The PA(A) is a health professional who will expand the anaesthetic service and make operating theatres work more efficiently. You will work alongside other members of the anaesthetic team and under the supervision of your anaesthetist. Successful completion of the programme will be followed by three months of pre-registration work experience and then registration. Further details are available at www.birmingham.ac.uk/paa

Contact: Ms Louise Batchelor – +44 (0)121 414 3310;
l.a.batchelor@bham.ac.uk

Medical and Dental Sciences

School of Clinical and Experimental Medicine

Combined research and taught programmes

Biomedical Research – *In Vivo* MRes

FT

In vivo research provides the key translational step between basic medical science and clinical medicine. This new programme will equip you with the necessary ethos, critical evaluative skills and technical competence to pursue a research career in the *in vivo* sciences. At the beginning of the course, all students will be required to gain a Home Office Personal Licence (for which training is provided).

For full course details, visit www.birmingham.ac.uk/biomedicalresearch-invivo

Contact: Ms Niki Windridge – +44 (0)121 414 4061;
n.j.windridge@bham.ac.uk

Pharmacy DPharm

The DPharm is a professional doctorate equivalent to traditional PhD, which aims to develop experienced, working registered pharmacists into effective researchers. This occurs through successful completion of appropriate distance e-based taught material, a systematic review of an agreed research theme and an action research project relevant to your area of practice. Successful completion optimises your position to achieve Consultant Pharmacist status and extend the research base in Pharmacy Practice and Medicines Management.

It is designed specifically for Pharmaceutical Chemists who have gained significant professional experience (≥2 years or equivalent) who are active currently in a relevant area of practice and have opportunities to conduct action research within the work environment. These professionals often wish to develop a research element to their career without relinquishing their professional role. For those entering with a postgraduate Masters, the DPharm will be normally completed over a period of four years part-time. Entry with a PG Diploma will add a further year of part-time taught research methods material, comprising three 20-credit modules in qualitative research methods, project management with research governance and research methods with statistics. All candidates will be fully supported by General Pharmaceutical Council (GPhC) registered research active supervisors from the academic staff.

www.birmingham.ac.uk/dpharm

Contacts:

John Marriott – +44(0)121 414 4094; j.f.marriott@bham.ac.uk
Ms Louise Batchelor – +44 (0)121 414 3310;
l.a.batchelor@bham.ac.uk

Doctoral research programmes

For any general doctoral research enquiries please email
dr@contacts.bham.ac.uk or call +44 (0)121 414 5005

Medicine PhD/MSc by Research

FT PT

Current research covers a wide portfolio of basic, translational and clinical research focusing on the following areas:

Anaesthetics and Intensive Care

We play a substantial role in undergraduate and postgraduate education in anaesthesia and intensive care within the West Midlands. We collaborate closely in vocational postgraduate education with the Royal College of Anaesthetists and the Committees for Higher Professional Training in both Anaesthesia and Intensive Care. We have office and clinical accommodation in the Queen Elizabeth Hospital Birmingham, and laboratory accommodation in the adjacent College of Medical and Dental Sciences.

Research interests:

■ Intensive care

Professor Julian Bion; Professor Fang Gao-Smith

■ Clinical measurement

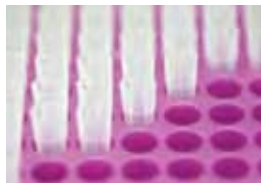
Dr Tom Clutton-Brock

Cardiovascular Medicine

Cardiovascular Sciences is an area of emergent strength within the College, as evidenced by the fact that 100% of RAE 2008 submission in the area of Cardiovascular Medicine was considered internationally competitive or above, with 40% judged internationally excellent or world leading. The diverse areas of research strength, ranging from platelet function to heart failure management in the community are indicated overleaf.

FT Full-time
PT Part-time
DL Distance Learning

Apply online see pages 66–69



Research interests:

- Molecular mechanisms underlying platelet activation in health and disease
Professor Steve Watson
- Peripheral, arterial and venous diseases; evaluating standard/endoscopic surgical techniques in treatment of chronic venous insufficiency; role of arterial wall motion abnormalities in the pathogenesis of atherosclerosis/aneurismal disease; development of complications in patients undergoing major vascular surgery
Professor Andrew Bradbury
- Mechanisms of angiogenesis in ischaemia; cardiovascular adaptations to low temperature
Dr Stuart Egginton
- Monitoring microcirculatory disturbances associated with inflammatory conditions (ischaemia-reperfusion (I/R) injury)
Dr Neena Kalia
- Mechanisms underlying cardioprotection following myocardial ischaemia reperfusion injury
Dr Melanie Madhani
- Regulation of the circulation in normal human subjects and in patient groups
Professor Janice Marshall
- Adhesive and mechanical properties of circulating blood cells
Professor Gerard Nash
- *In vitro* modelling of the cellular pathology of atherosclerosis
Dr Edward Rainger
- Atrial fibrillation (epidemiology, pathophysiology, thromboprophylaxis, and psychological morbidity), hypertension, heart failure and clinical/experimental thromboembolism
Professor Gregory Lip
- Molecular mechanisms of heart disease as a basis for translational approach to cardiology
Professor Paul Kirchoff
- Mechanisms of heart disease; translational research towards mechanism-based therapies of cardiovascular diseases
Dr Larissa Fabritz
- Molecular genetics of patients with platelet bleeding and low platelet counts (thrombocytopaenia)
Dr Neil Morgan

- Molecular regulation of angiogenic factors and cognate receptors
Dr Peter Hewett
- Stroke and bleeding risk in atrial fibrillation
Dr Deirdre Lane
- Regulation of skeletal muscle blood flow
Dr Clare Ray
- Chemoreceptor mechanisms and role of purine neurotransmitters; neuromodulators in control of cardiovascular/respiratory systems
Dr Theresa Thomas

Clinical and Molecular Genetics

The sequencing of the human genome and advances in high-throughput genetic technologies have provided unrivalled opportunities for research in human genetics. The Medical and Molecular Genetics group (Lead: Professor Eamonn Maher) offers a thriving research environment for genetics research with expertise in gene identification, functional genomics and animal models of human diseases. Research is grouped into two complementary and overlapping fields: cancer genetics and genome stability and developmental and metabolic genetics, and epigenetics and imprinting. Facilities include high throughput DNA sequencing and microarray platforms, the National Autozygosity Mapping resource, and zebrafish models of disease facility.

Research interests:

- Genome stability and DNA repair
Dr Boris Kysela
- Cancer genetics and epigenetics; molecular and functional characterisation of tumour suppressor genes
Professor Farida Latif
- Cancer genetics, epigenetics and imprinting and human developmental genetics
Professor Eamonn Maher
- Gene regulation in development; cis-regulatory codes of developmental gene expression
Dr Ferenc Mueller
- Genetics of inherited diabetes syndromes
Professor Timothy Barrett; Dr Emma Woodward

Medical and Dental Sciences

School of Clinical and Experimental Medicine

Clinical Neuroscience

Neuroscience research brings together world-class experts to cover aspects of neuroscience from the cellular and molecular, to the whole brain; through to the extensive network of neuronal connections across the body, and how these biological underpinnings interact with psychological and social factors to cause neurological and psychiatric disease. The new Queen Elizabeth Hospital and National Centre for Mental Health that adjoin the Medical School are facilitating our focus on translational neuroscience so that we can apply insights gained through fundamental research on brain structure and function to develop novel pharmacological and cellular therapies for neural damage and psychiatric disease. Our goal is to promote continuous interaction among fundamental and clinical neuroscientists to rapidly translate research from bench to bedside.

Research interests:

- Investigation of the molecular mechanisms underlying chronic neurodegenerative diseases such as Parkinson's and motor neuron diseases; candidate gene screening approaches to various neurological disorders

Professor Karen Morrison

- Clinical trials of therapies in Parkinson's and motor neuron diseases

Professor Karen Morrison, Professor Carl Clarke

- Cellular and genetic mechanisms underlying Alzheimer's disease; developmental causes of epilepsy

Dr Zsuzsanna Nagy

- Acute trauma, and neurodegeneration; understanding mechanisms of natural ageing; evaluation of novel gene- and cell-based therapeutic strategies for central nervous system (CNS) repair

Professor Ann Logan, Dr Ana-Maria Gonzalez

- Basic mechanisms of temporal lobe epilepsy; fast physiological oscillations associated with cognition; physiology and pathophysiology of prion protein; effects of electric fields on brain function; pathophysiology of X-linked mental retardation

Professor John Jefferys, Dr Andrew Powell

- Structure and operation of cortical networks investigated by cellular electrophysiology, immunohistochemistry, and light and electron microscopy; physiological oscillations associated with cognition; basic mechanisms of epilepsy; quantification of synaptic networks

Professor Attila Sik

- Role of intracellular calcium pools in integration of neuronal functions; mitochondrial function in normal ageing and aged neurons

Dr Emil Toescu

- Basic mechanisms of temporal lobe epilepsy; fast physiological oscillations associated with cognition; neurophysiology of normal ageing

Dr Martin Vreugdenhil

- Understanding the fundamental biology of the failure of CNS axon regeneration

Dr Zubair Ahmed

- Role of steroid hormones in intracranial pressure regulation

Dr Alexandra Sinclair

- Understanding the mechanisms of acute brain injury, and biomarker research for patient stratification and personalised treatment

Dr Tony Belli

Clinical Pharmacology and Therapeutics

Research interests of staff:

- Hypoalgesia, sensory, motor and cognitive function in hypertension; blood pressure variability; adverse drug reactions and responses to antihypertensive medication

Dr Una Martin

- Medication safety and adverse drug reactions; including pharmacoepidemiology, electronic prescribing/health informatics, and clinical decision support methods

Dr Jamie Coleman

Endocrinology, Diabetes and Metabolism

Hormones and genes research (Endocrinology, Diabetes, and Metabolism and Genetics) represents significant research strength within the College, as evidenced by the fact that 75% of submission to the Other Hospital-Based Clinical Subjects UoA for RAE 2008 was considered internationally excellent or world leading. Current research covers a wide portfolio of basic, translational and clinical research focusing on adrenal and gonadal steroids, thyroid cancer, thyroid dysfunction, fetal and reproductive endocrinology, pituitary disease, and auto-immunity. Ongoing studies employ a broad range of *in vitro* and *in vivo* approaches including mouse transgenic and knockout models, as well as clinical translational and interventional studies

- FT** Full-time
PT Part-time
DL Distance Learning

Apply online see pages 66–69



carried out in the Wellcome Trust Clinical Research Facility immediately adjacent to the Institute of Biomedical Research, the lab base for most of the Endocrine and Diabetes Groups. Clinical research is also enhanced by close interaction with the University Hospital and cohort and database studies (thyroid disease, pituitary disease, and adrenal disease).

Research interests:

- Pathogenesis, treatments and long term outcomes of thyroid dysfunction
Professor Jayne Franklyn
- Pathogenesis of thyroid and other endocrine cancers
Professor Christopher McCabe
- Prereceptor regulation of glucocorticoid and mineralocorticoid action
Professor Paul Stewart
- Prereceptor regulation of sex steroid action; mechanisms underlying androgen excess and deficiency
Professor Wiebke Arlt
- Mechanisms underlying congenital adrenal hyperplasia, gonadal development
Dr Nils Krone
- Glucocorticoids, insulin sensitivity and obesity
Dr Jeremy Tomlinson
- Diagnosis, treatment and prognosis in hypopituitarism, acromegaly and Cushing's disease
Professor Paul Stewart, Professor Wiebke Arlt
- Mechanisms of insulin resistance in autoimmunity and type 1 diabetes
Dr Parth Narendran
- Microvascular diabetes complications – pathogenesis and treatment
Professor Martin Stevens
- Mechanisms of steroid sulphation; steroid hormone trafficking; and disorders of androgen excess
Dr Vivek Dhir
- Regulation of glucocorticoid hormone metabolism and intracellular glucose utilisation
Dr Gareth Lavery; Dr Elizabeth Rabbit
- Physiology and pharmacology of sleep, metabolism, neuroendocrinology and ageing
Dr Kristien Boelaert

- Effects of sex steroids in colorectal cancer; glycolytic inhibitors as an anti-cancer treatment

Dr Paul Foster

Obstetrics and Gynaecology

Clinical Gynaecology (Lead: Professor Janesh Gupta) includes basic science research into the pathophysiology of abnormal uterine bleeding, causes and treatment of pelvic pain and endometriosis. There is a major focus on systematic reviews and trials (Lead: Dr Arri Coomarasamy) in several key areas of obstetrics, gynaecology and paediatrics. This group is also badged as the WHO Perinatal Trials Unit. The area of subfertility and reproductive medicine (Leads: Dr Sarah Connor and Dr Jackson Kirkman Brown) is underpinned by work investigating causes of subfertility, including male gamete production and differentiation, tubular gamete interaction and oocyte production and differentiation. There are cross-college collaborations with Biosciences as well as the stem cell group within the College. There is also basic science and clinical research into the causes of recurrent pregnancy loss. There is a major research interest in fetal medicine and development (Lead: Professor Mark Kilby) including fetal endocrinology, steroid hormone action on the fetus and placenta, modulation of the maternal immune system, fetal microchimerism and clinical fetal medicine.

Research interests:

- Fetal medicine
Professor Mark Kilby
- Minimal invasive gynaecological endoscopy and endometriosis
Professor Janesh Gupta
- Reproductive biology and genetics
Dr Sarah J Conner, Dr Jackson Kirkman-Brown
- Reproductive medicine and miscarriage research
Dr Arri Coomarasamy
- Improving pregnancy-related maternal and fetal outcomes both at the short and longer term – perineal trauma and fetal epigenetics
Professor Khaled Ismail
- Thyroid hormones and thyroid dysfunction in pregnancy
Dr Shio-ying Chan

Medical and Dental Sciences

School of Clinical and Experimental Medicine

Paediatrics and Child Health

Current research covers a wide portfolio of basic, translational and clinical research focusing on endocrinology, and neonatal medicine, with all the major paediatric subspecialties active in research (for example nephrology, neurology, gastroenterology and dietetics). Ongoing studies employ a broad range of approaches including clinical experimental, database and qualitative studies. Opportunities in the subspecialty have been enhanced by the recent development of our satellite Wellcome Trust Paediatric Clinical Research Facility on the Birmingham Children's Hospital site.

Research interests:

- Genetics of diabetes and rare forms of diabetes; clinical studies in childhood diabetes; paediatric endocrinology and diabetes; genetics of inherited diabetes syndromes

Professor Tim Barrett

- Neonatal medicine

Dr Andrew Ewer

- Genetics and molecular pathogenesis of different forms of congenital adrenal hyperplasia

Dr Nils Krone

Psychiatry

A major area of research is molecular psychiatry, focusing on the molecular investigation of neuropsychiatric disease, with a particular emphasis on bipolar and related mood disorders, including puerperal psychosis, seasonal affective disorder, major depression and drug-induced psychoses. Major projects are also ongoing in molecular investigation of the dementias and of disorders of childhood onset (including attention deficit hyperactivity disorder). The team is a partner in the Neurosciences Consortium at the University, and works closely with Clinical Genetics. It also has groups of researchers with particular strengths in community psychiatry, addictions and forensic psychiatry.

Research interests:

- Substance misuse and associated psychiatric disorders
- Clinical and neuropsychological investigation of mood disorders and functional psychosis; neuropsychiatric genetics

Dr Edward Day

Dr Lisa Jones

Respiratory Medicine

Research focuses on investigating the factors governing neutrophil differentiation, activation and recruitment as processes that determine the degree of tissue damage resulting in the establishment and progression of chronic lung disease. Major interests include chronic chest infections and the role of proteinases and proteinase inhibitors in this process.

Research interests:

- Role of growth factors in lung epithelial repair; relationship between infection and inflammation in acute lung injury
- Factors governing neutrophil differentiation, activation and recruitment in the establishment and progression of chronic lung disease

Dr David Thickett

Professor Robert Stockley

- The role of the vitamin D axis in the lung; genetic and environmental influences on lung disease

Dr Alice Turner

- Role of tumour necrosis factor-related apoptosis-inducing ligand in inflammatory lung disease

Dr Emmet McGrath

Pharmacology PhD/MSc by Research

FT PT

Pharmacy PhD/MSc by Research

FT PT

Pharmacology research specialisms are in modern cellular and molecular techniques, with an emphasis on neuropharmacology. Research areas include radioligand binding and autoradiography; in situ hybridisation; immunocytochemistry; microdialysis; cell culture; neurotransmitter, enzyme, second messenger and metabolite assays; cellular morphometry; pharmacodynamic modelling; cDNA cloning and site-directed mutagenesis. Pharmacy provides a broad range of subjects; these include clinically oriented practice research such as medicines adherence, drug safety, palliative and end of life care, paediatric medicines use, rational antibiotic use, safe prescribing and pharmacy/inter-professional education, as well as laboratory-based and translational areas such as inhaled drug delivery, formulation of children's medicines, and pharmacokinetics.

FT Full-time
PT Part-time
DL Distance Learning

Apply online see pages 66–69



Research interests:

- Neurochemical correlates for neurological and psychiatric disorders, and role of 5-HT systems
Professor Nicholas Barnes
- The pharmacology of pain and pain relief
Dr Kevin Whitehead
- The pharmacology and physiology of peripheral autonomic transmission; particularly the regulation of calcium in sympathetic nerve terminals and smooth muscle
Dr Keith Brain
- Clinical use of medicines in paediatrics, and their development; medicines adherence, pharmaceutical risk; rational prescribing, and the rational use of antibiotics.
Professor John Marriott
- Development of inhalation formulations, to increase stability and respirable fraction and improve targeting to central and alveolar regions of the lung to enhance local and systemic delivery.
Dr Peter Seville
- Pharmacovigilance systems and drug safety, how they impact on patient outcomes, including adherence, and methods of mitigating such risks.
Dr Anthony Cox
- Pharmaceutical care and clinical pharmacy, particularly related to symptom control end of life care; educational research and inter-professional education.
Dr Christine Hirsch

Physiology PhD/MSc by Research

Neurophysiology PhD/MSc by Research

Physiology offers research topics supervised by internationally recognised experts not only within the cardiovascular theme but also in neurological, neuromuscular, endocrine and renal areas using whole animal, organ, cell and molecular techniques. Neurophysiology uses cutting-edge technologies to address the dynamic interactions of neurons and glia organised functional neuronal networks in the mammalian brain. We focus on normal brain mechanisms in health and their dysfunction in pathophysiological states, feeding into the translational pathway towards clinical application.

Research interests:

- Molecular mechanisms underlying platelet activation in health and disease
Professor Steve Watson
- Mechanisms of angiogenesis in ischaemia; cardiovascular adaptations to low temperature
Dr Stuart Egginton
- Monitoring microcirculatory disturbances associated with inflammatory conditions (ischaemia-reperfusion (I/R) injury)
Dr Neena Kalia
- Mechanisms underlying oxygen sensitivity in carotid body and pulmonary artery
Dr Prem Kumar
- Regulation of the circulation in normal human subjects and in patient groups
Professor Janice Marshall
- Adhesive and mechanical properties of circulating blood cells
Professor Gerard Nash
- *In vitro* modelling of the cellular pathology of atherosclerosis
Dr Edward Rainger
- Basic mechanisms of temporal lobe epilepsy; fast physiological oscillations associated with cognition; physiology and pathophysiology of prion protein; effects of electric fields on brain function; pathophysiology of X-linked mental retardation
Professor John Jefferys, Dr Andrew Powell
- Structure and operation of cortical networks investigated by cellular electrophysiology; immunohistochemistry, and light and electron microscopy; physiological oscillations associated with cognition; basic mechanisms of epilepsy; quantification of synaptic networks
Professor Attila Sik
- Role of intracellular calcium pools in integration of neuronal functions; mitochondrial function in normal ageing and aged neurons
Dr Emil Toescu
- Basic mechanisms of temporal lobe epilepsy; fast physiological oscillations associated with cognition; neurophysiology of normal ageing
Dr Martin Vreugdenhil

Medical and Dental Sciences

School of Dentistry

If you want to be involved in world-class research; if you want to get an internationally acclaimed degree in the dental and biomaterials professions; Dentistry at Birmingham UK is the first choice for scientists, professionals, and leading students everywhere. We are a thriving institution with a large number of postgraduate doctoral research students and support staff, and well placed to meet the demands and challenges of the future.

Facilities

Our facilities are first class and include modern, well-equipped laboratories in which a broad range of dental research can be undertaken. These are further complemented by access to specialist equipment elsewhere within the University. A programme of infrastructure development has recently led to enhancement of cell culture facilities and a new molecular biology laboratory. Use of modern IT facilities is encouraged through provision of a specialist computer suite.

The School is at the forefront of e-learning with its award winning e-course (*THEs* Outstanding ICT Initiative of the Year, sponsored by the Joint Information Systems Committee – JISC). Specialist dental library facilities are also available. Based in the School of Dentistry, which is combined with Birmingham Dental Hospital in the city centre, the institution has the largest patient attendances in Britain and is the major dental, clinical and laboratory reference centre in the West Midlands.

Postgraduate study

You may study for a doctoral research degree (PhD, MSc by Research), or choose a taught Masters (MSc) degree in Advanced General Dental Practice. Our research teams bring together clinical and non-clinical researchers in partnerships that provide an opportunity to link together a range of multidisciplinary expertise. This approach allows a particularly strong and supportive environment in which you can undertake your training and benefit from interaction with leading researchers. For further information on opportunities in Dentistry and to discuss research proposals contact Professor Phil Lumley, Head of School – p.j.lumley@bham.ac.uk

Duration of programmes

- PhD – 3–4 years full-time; 6 years part-time
- MSc by Research – 1 year full-time; 2 years part-time
- MSc/Postgraduate Diploma/Postgraduate Certificate – can be taken part-time over a period of up to 5 years

Entry requirements

Candidates for research degrees whose first language is not English will need to meet the English language requirements stipulated for Medicine and Dentistry. See also standard English language requirements on page 68. Candidates for the taught MSc will need a dental qualification registerable with the UK General Dental Council and satisfactory references.

Scholarships and studentships

Any available at Dentistry are advertised on our website; please visit www.birmingham.ac.uk/dentistry

Fees and funding

Research degrees MSc by Research/PhD – standard fees apply, although bench fees are levied according to the nature of the projects. For up-to-date information contact the School directly.

Starting dates

Starting dates are flexible. Please contact the School for further information.

Learn more

www.birmingham.ac.uk/dentistry

Taught programmes

Advanced General Dental Practice MSc/PGDip/PGCert **PT DL**

This programme caters for general dental practitioners wishing to enhance their clinical skills and knowledge. The modular structure provides a compulsory core, covering areas such as contemporary dental practice, and the selection and application of new materials and technologies. You will also design and carry out a research or audit project of your choosing with full academic support from specialists relevant to your subject.

FT Full-time
PT Part-time
DL Distance Learning

Apply online see pages 66–69



From February 2013 we are developing a distance learning version of the programme. The campus-based programme has been running successfully for 11 years and the distance version will be based on the teaching of the campus programme to ensure you receive the full benefits of all that the University can offer. Further details are available at www.birmingham.ac.uk/dentalpractice and www.birmingham.ac.uk/dentalpractice-distance. Contact: Professor Trevor Burke – +44 (0)121 466 5476; f.j.t.burke@bham.ac.uk

Doctoral research programmes

Dentistry PhD/MSc by Research

FT

Birmingham has world-class clinical dental expertise, particularly in areas of endodontic, periodontal and restorative treatments, providing a focus for international collaborations with visiting professors and researchers from leading institutions worldwide. Our research is broadly divided into three main areas:

- Biomaterials – biomaterials, restorative dentistry, and oral and maxillofacial surgery
- Primary Dental Care – dental public health, behavioural sciences, primary care, and orthodontics
- Tissue Injury and Repair – oral biology and pathology, restorative and children's dentistry, and periodontology

Our research has a strong translational focus, being driven by clinical questions, and aims to provide novel diagnostic and therapeutic solutions to the most common oral and general health problems. We employ cutting-edge technologies within state-of-the-art laboratories to explore disease mechanisms, improve our understanding of pathogenic processes, and formulate new healthcare solutions based upon this new knowledge.

Birmingham has world-class clinical dental expertise, particularly in areas of endodontic, periodontal and restorative treatments, providing a focus for international collaborations with visiting professors and researchers from leading institutions worldwide.

Examples of our research include:

- Demonstrating the importance of growth factors and other bioactive molecules sequestered within dental tissues in driving tissue responses to disease and clinical outcomes for the tooth.
- Development of novel treatments for dental/oral tissue repair based on stem cell and biomaterial tissue regenerative technologies.
- Leading research into the redox biology of oral diseases and how micronutritional strategies can regulate oral inflammation.
- Pioneering the development of assays for biomarkers of periodontitis, leading to the development of diagnostic technologies in routine clinical use.
- Epidemiological research on the links between chronic periodontitis and systemic disease, in particular rheumatoid arthritis and chronic kidney disease.
- Pioneering involvement in National Dental Health Surveys (Office of National Statistics) for children and adults leading to the unravelling of major trends in oral disease patterns over 30 years – crucial to informing future oral health care policy and directing NHS resources to those in most need.
- Development of novel digital image processing/analysis techniques in oral pathology to provide accurate, evidence-based diagnostic decisions and reliable prognostic tools for oral cancer.
- The epigenetics of oral squamous cell carcinoma (OSCC) and the role of chronic inflammation in the origins of OSCC.
- Development of novel dental and orthopaedic materials to improve the longevity of dental restorations and the outcome of many orthopaedic procedures.
- Investigations into the vibration characteristics of dental ultrasonic instruments and powered toothbrushes, which aim to influence the design and development of ultrasound dental instruments and improve patient care.
- Prevalence studies in children and adolescents on dental erosion and tooth wear and their causes, underpinned by laboratory mechanistic studies on both erosion and toothpaste abrasivity.
- Research on the nature and role of education in dentistry, particularly the role and impact of e-learning.

For further information please visit our website
www.dentistry.bham.ac.uk

Medical and Dental Sciences

School of Health and Population Sciences

Health and Population Sciences at Birmingham incorporates the following areas:

- Health Economics
- Nursing and Physiotherapy
- Occupational and Environmental Medicine
- Primary Care Clinical Sciences
- Public Health, Epidemiology and Biostatistics

Health Economics

Health care systems worldwide confront the challenge of meeting seemingly unlimited patient needs and demands with constrained and limited resources. Health Economics is playing an increasing role, providing analysis to inform health care decision making and policy formation.

Birmingham has a strong tradition in this field, with research and teaching spanning some 30 years. We seek to inform policy and resource allocation in the NHS and to guide research methodology through undertaking, promoting and facilitating high-quality health economics research.

Nursing and Physiotherapy

Nursing and Physiotherapy offer a comprehensive portfolio of postgraduate modules at Masters level. Flexible study options are available, enabling you to study individual modules, or register for one of the programmes listed. Dependent on the programme of study you select, you can register on the basis of full- or part-time study in a range of health-related topics.

Occupational and Environmental Medicine

The Institute of Occupational and Environmental Medicine (IOEM) delivers both outstanding teaching for postgraduate and health professionals in addition to conducting leading research in a variety of occupational and environmental disciplines. The IOEM has links with scientists in many countries, including Finland, the United States, Taiwan, China, Nigeria, UAE, Chile and Brazil.

The IOEM conducts research and teaching programmes in occupational and environmental medicine, including occupational epidemiology, effects of work on health, ergonomics, toxicology, occupational hygiene, and other related disciplines. The main focus of activity is related to the assessment and management of risks arising from work activities.

Primary Care Clinical Sciences

Primary Care Clinical Sciences at Birmingham is one of the largest centres for academic primary care in the UK. Primary care research focuses under five main clinical programmes:

- Cardiovascular Disease
- Cancer and Chronic Disease
- Medical Decision Making
- Mental Health
- Behavioural Medicine

These are supported by cross-cutting methodology expertise and major investments in research infrastructure, namely the Primary Care Clinical Research and Trials Unit (PCCRTU) and large Primary Care Research Network (MidReC). Primary Care Clinical Sciences was one of the top scoring units for the University in the 2008 Research Assessment Exercise (RAE).

Public Health, Epidemiology and Biostatistics (PH, E&B)

PH, E&B has a longstanding history in teaching and research. In recent years, considerable effort has also been put into developing a strong public health resource for the West Midlands region and at the national level. The main research programmes are in the areas of:

- Assessment and Evaluation of the Health Impacts of Policy Initiatives
- Chronic Disease Epidemiology
- Health Care Evaluation
- Genetic Epidemiology
- Health Protection
- Health Services Methodology
- Patient Safety Research

- FT** Full-time
PT Part-time
DL Distance Learning

Apply online see pages 66–69



Duration of programmes

- PhD – 3 years full-time; 6 years part-time
- MSc by Research/MSc/Postgraduate Diploma – 1 year full-time; 2 years part-time
- MPH – 1 year full-time; 2 years part-time (can be studied over up to 6 years by flexible learning; overseas students may only study the MPH full-time)
- Short courses – variable

Also see individual programme entries or visit our online prospectus www.birmingham.ac.uk/students/courses/postgraduate

Entry requirements

Visit our online prospectus www.birmingham.ac.uk/students/requirements

Also see 'General entry requirements' on page 68.

English language requirements

Candidates whose first language is not English will need to meet the English language requirements stipulated for Medicine and Dentistry. See also standard English language requirements on page 68.

Scholarships and studentships

For postgraduate studentships in Health and Population Sciences, please contact the School directly, or email financialsupport@bham.ac.uk

Fees

Standard fees apply (see pages 62–63 for details) although some programmes have a non-standard fee or a bench fee attached. Please check the School web pages for up-to-date fees.

Starting dates

- Research degrees may start at any time of the year, though for most this will be September
- Taught programmes (MSc/Postgraduate Diploma) – September 2013 or January 2014

Learn more

www.birmingham.ac.uk/haps

Taught programmes

Advanced Manipulative Physiotherapy MSc/PGDip **FT PT**

This programme explores the theoretical basis of manipulative physiotherapy and its application to the development of your clinical reasoning, and integrates the many approaches to practice in this specialist area. It facilitates an evaluation of existing evidence through the exploration of the assessment and management of neuromusculoskeletal dysfunction. Successful completion of the Postgraduate Diploma for this programme qualifies you for membership of the Musculoskeletal Association of Chartered Physiotherapists (MACP) and the International Federation of Orthopaedic Manipulative Physical Therapists (IFOMPT). Further details are available www.birmingham.ac.uk/advancedmanips

Contact: Postgraduate Programme Administrator –
 +44 (0)121 414 3126; np-pgadmissions@contacts.bham.ac.uk

Advancing Practice MSc/PGDip **FT PT**

This programme provides flexible learning opportunities for nurses and allied health professionals. Students take four mandatory modules focused on research and professional development followed by three option modules in which they can tailor their learning to meet their personal and professional needs. A wide range of modules is available from within the College suited to those interested in practice, role and service development. The final core module comprises a period of mentored practice in a workplace setting of the student's choice, where new learning can be applied enabling the programme to be clinically relevant. For further information see www.birmingham.ac.uk/advancingpractice

Contact: Postgraduate Programme Administrator –
 +44 (0)121 414 3126; np-pgadmissions@contacts.bham.ac.uk

Medical and Dental Sciences

School of Health and Population Sciences

Clinical Primary and Community Care MSc/PGDip/PGCert **FT PT**

This unique programme is suitable for doctors, nurses and any other healthcare professionals aiming to acquire specialised skills and qualifications in primary and community care.

It provides you with the skills and academic requirements for specialist clinical practice within the community as well as research skills and health service evaluation.

For further information visit www.birmingham.ac.uk/cpcc

Contacts:

Dr Ellen Murray – +44 (0)121 414 3761;

e.t.murray@bham.ac.uk

Ms Amy Partleton – +44 (0)121 414 2677;

cpcc@contacts.bham.ac.uk

Exercise and Sports Medicine (Football) MSc/PGDip **FT PT**

This innovative programme has been developed in partnership with the Football Association, and is aimed at physiotherapists and doctors working in football medicine or with an interest in moving into this field. The programme focuses on advanced practice in football medicine through achievement of the international competencies and standards established by the International Federation of Sports Physiotherapists, or the Specialty Training Curriculum for Sports and Exercise Medicine from the Joint Royal Colleges of Physicians Training Board (to level Specialty Training 5). Unique features of the programme include the delivery of two specialist modules at The Football Association's National Football Centre, St George's Park at Burton on Trent, anatomy development within the prosectorium at the University, and practice mentorship within a football/sports medicine environment.

Contact Dr Alison Rushton – +44 (0)121 415 8597;

a.b.rushton@bham.ac.uk

[www.birmingham.ac.uk/esm\(football\)](http://www.birmingham.ac.uk/esm(football))

Health Economics and Health Policy MSc/PGDip **FT PT**

This programme is aimed at healthcare professionals and managers, as well as new graduates. It provides an introduction to the central issues in health economics and health policy involved in the management of primary health care. It consists of compulsory modules on Health Economics, Policy and

Economics of Health Care Delivery, Economic Evaluation in Healthcare, Statistics for Health Economics, Modelling for Health Economics, and an option selected from the extensive range offered by the School of Health and Population Sciences and the wider University. A 10,000-word dissertation is required for the MSc. For further information about this course visit www.birmingham.ac.uk/healthconomics

Contacts:

Dr Pelham Barton – +44 (0)121 414 3170;

p.m.barton@bham.ac.uk

Mrs Helen Evans (Unit Manager) – +44 (0)121 414 7694;

healthconomics@contacts.bham.ac.uk

Health Studies MSc/PGDip/PGCert

FT PT

This programme provides flexible learning opportunities for health professionals and those with an interest in health care practice. Students take two core modules focused on research and professional development followed by four option modules. A wide range of option modules is available from within the College suited to those interested in clinical, management, educational, and research development. This enables students to tailor their programme to meet individual learning needs, career aspirations and interests. Further details are available at www.birmingham.ac.uk/healthstudies

Contact: the Postgraduate Programme Administrator –

+44 (0)121 414 3126; np-pgadmissions@contacts.bham.ac.uk

Occupational Health MSc/PGDip

FT PT

This is a multidisciplinary programme which meets the needs of postgraduate training in the prevention and control of work-related ill health and understanding the issues of ill health and its effect on work. It is open to both clinical and non-clinical graduates with relevant first degrees and those with appropriate work experience (such as doctors, nurses, occupational hygienists, engineers, toxicologists and health and safety personnel). It combines academic and practical aspects of occupational health so you can contribute to the development of occupational health services, as well as improving practices and dealing effectively with management issues. It is accredited by both the British Occupational Hygiene Society (BOHS) and the Institute of

FT Full-time
PT Part-time
DL Distance Learning

Apply online see pages 66–69



Occupational Safety and Health (IOSH) for graduate membership. You undertake nine taught modules (three modules of ten days; six modules of five days) for the Postgraduate Diploma and produce an additional dissertation for the MSc.

For further information please visit our website at

www.birmingham.ac.uk/occhealth

Contacts:

Kelly Hawkley – +44 (0)121 414 6014;

occhealth@contacts.bham.ac.uk

Dr Steven Sadhra – +44 (0)121 414 6008;

s.sadhra@bham.ac.uk

Physiotherapy (pre-registration) MSc

FT

The MSc in Physiotherapy (pre-registration) is a qualifying programme for graduates with a suitable and relevant first degree. It spans two years full-time, starting in January and finishing in December. The aim of the programme is to develop students with the knowledge, attitudes and skills required to design, specify and implement wide-ranging, evidence-based physiotherapy programmes for a variety of patients. You will be able to evaluate progress, respond flexibly and promptly to advances in practice and implement research and audit programmes. Successful completion of this programme awards you with a Masters degree and gives you eligibility to apply for registration with both the Chartered Society of Physiotherapy and the Health Professions Council.

For more information please go to www.birmingham.ac.uk/mscphysiotherapy

Contact: the Postgraduate Programme Administrator – +44 (0)121 414 3126; np-pgadmissions@contacts.bham.ac.uk

Public Health MPH/PGDip/PGCert

FT PT

This is a modular, multidisciplinary programme in public health, which offers a Postgraduate Certificate (60 credits), Postgraduate Diploma (120 credits) and a Masters in Public Health (180 credits). It is designed to provide academic training to professionals currently working in, or who wish to work in, the public health field. As well as practising clinicians, the course may be of considerable value to those involved (or thinking about becoming involved) in senior management in a health service, as it covers most aspects of population health including

epidemiology, statistics, health economics and health service management. The course covers many areas necessary to sit Part A of the Faculty of Public Health exam. Applications are considered as they are received throughout the year with places awarded to good candidates on a first-come first-served basis. For further information on this course visit www.birmingham.ac.uk/publichealth

Contact: Ms Tricia Henley – +44 (0)121 414 3163; mph@contacts.bham.ac.uk

Public Health (Health Technology Assessment)

MPH/PGDip/PGCert

FT PT

The MPH(HTA) is a strand of the MPH programme listed above. It is designed for students who wish to specialise in public health with health technology assessment. It equips professionals with a range of skills and abilities to be able to critically appraise and use healthcare evidence to improve health service policy. This programme is only available as an exit qualification, therefore applications need to be made to the general MPH programme. For further information on this course visit

www.birmingham.ac.uk/mphta

Contact: Ms Tricia Henley – +44 (0)121 414 3163; mph@contacts.bham.ac.uk

Public Health – Statement of Extra

Accredited Learning (SEAL) MPH/PGDip/PGCert

FT PT

The aim of the programme is to provide students with an enhanced preparation for continuing academic study or Part A of the Membership of the Faculty of Public Health (UK) examination. A wider range of skills and expertise than can be covered in the standard MPH is often requested by employers and individuals who want to be knowledgeable about a wider range of topic areas. This programme provides a broader version of the current MPH programme (230 instead of 180 credits). By being formally assessed and accredited in more modules, the MPH (SEAL) allows students to demonstrate their wider competency range.

Medical and Dental Sciences

School of Health and Population Sciences

The MPH (SEAL) will involve more intensive studying by students, particularly those who choose the one year option. It will involve attending and being assessed in more modules than the standard MPH. The course curriculum has been amended to enable this to happen (as far as is practical) without compromising students' choice of modules. Further details are available at [www.birmingham.ac.uk/mph\(seal\)](http://www.birmingham.ac.uk/mph(seal))

Contact: Ms Tricia Henley – +44 (0)121 414 3163;
mph@contacts.bham.ac.uk

Science of Occupational Health, Safety

and the Environment MSc/Postgraduate Diploma **FT PT**

Run jointly by the Institute of Occupational and Environmental Medicine (IOEM) and Environmental Health and Risk Management in the School of Geography, Earth and Environmental Sciences.

This programme is recognised by the Chartered Institute of Environmental Health and the Institute of Acoustics (Environmental Noise), and accredited by the Institute of Occupational Safety and Health. It recognises the increasing demand from industry and enforcement bodies to integrate occupational health, safety and environmental issues. You study a number of modules (core and optional) which include, but are not limited to the following subjects: safety technology; risk and safety management; occupational health and hygiene; environmental noise and chemical and biological incident management.

Contact: Val Walker, Course Administrator –
+44 (0)121 414 2628/3077; v.c.walker@bham.ac.uk

Combined research and taught programme

Health Research MRes

FT PT

This programme is suitable for nurses or allied health professionals prior to undertaking a traditional MSc by Research/PhD pathway in developing a career in health-related research. The programme will also be of interest to other disciplines including junior doctors and specialist registrars. In addition it will be of interest to those wishing to seek a more clinical academic career. For further information on this course visit www.birmingham.ac.uk/healthresearch

Contact: The Postgraduate Administrator – +44 (0)121 415 8146; np-pgadmissions@contacts.bham.ac.uk

Doctoral research programmes

For any general doctoral research enquiries please email
dr@contacts.bham.ac.uk or call +44 (0)121 414 5005

Biomedical Ethics PhD/MSc by Research

FT PT

Research interests of staff:

- Ethical issues related to organ and tissue donation including for reproductive purposes, parenting, parenthood and reproduction, public health ethics, ethics and telecare

Professor Heather Draper

- Ethical issues related to developing professionalism, including religious and cultural diversity, ethical issues in medical education

Dr June Jones

- Parenting (particularly the ethics and sociology of fatherhood), ethical issues in medical education, public health ethics, research ethics, theory and methods in empirical bioethics.

Dr Jonathan Ives

- Legal and ethical issues in health care education and mental health

Ms Catherine Hale

- Public health ethics; research ethics; bioethics; methodology in ethics; international ethics; emergency ethics

Professor Angus Dawson

Health Economics PhD/MSc by Research

FT PT

Research interests of staff:

- Economic evaluation including health state valuation and particularly temporary health state valuation in gynaecology and sexual health clinical areas

Dr Tracey Roberts

- The use of the Capability Approach in health economics

Professor Joanna Coast

- Measurement and valuation of healthcare benefits/outcomes; economic issues related to unpaid care; methodological and applied work using the capability approach

Dr Hareth Al-Janabi

- Methodological issues to do with modelling for health economic evaluation; specific clinical questions where the choice of model type is a relevant issue

Dr Pelham Barton

FT Full-time
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Apply online see pages 66–69



- Application of cost-benefit analysis for the evaluation of health care interventions; economics of obesity; health-related quality of life in a paediatric population

Dr Emma Frew

- Decision modelling in economic evaluation; trial-based economic evaluation, Impact of disease on work and estimation of productivity costs; aspects of economic evaluation in chronic disease (COPD, musculoskeletal disease, cardiovascular disease)

Dr Sue Jowett

History of Medicine PhD/MSc by Research

FT PT

Research interests of staff:

- History of medical education; medicine in the Midlands; history of occupational health and medicine

Dr Jonathan Reinarz

- History of psychiatric medicine and institutions

Dr Len Smith

Occupational and Environmental Medicine

PhD/MSc by Research

FT PT

Research is divided into two overlapping and complementary areas:

- Environment-oriented areas, which follow the tradition of preventive medicine with a focus on causal determinants
- Outcome-oriented areas, which are based on clinical medicine and epidemiology

Doctoral and Masters students are encouraged to seek the support and advice of senior staff for their studies and research career.

Research interests:

- Outdoor air pollution; indoor air pollution; environmental burden and pathways; occupational lung disease

Professor John Ayres

- Environmental health and epidemiology; occupational health and epidemiology; respiratory health

Dr Hubert Lam

- Occupational exposure assessment; methods for evaluating exposure to workplace hazards and effectiveness of control measures; risk assessment methodology for human health

integrating exposures from occupational and environmental sources; use of bio-engineering techniques in occupational setting for assessing effectiveness of dermal protection methods; European risk assessment methods for metals

Dr Steven Sadhra

- Occupational epidemiology: cohort, case-control, cross-sectional and nested case-control study designs; role of causal effects, bias, confounding and chance in epidemiological findings; measure of effect and causal inference; the identification and quantification of occupational cancer hazards

Professor Tom Sorahan

Primary Care Clinical Sciences PhD/MSc by Research **FT PT**

Primary care research focuses upon three main clinical areas:

- Cardiovascular disease
- Cancer and chronic disease
- Behavioural medicine and mental health research

Research interests:

- Behavioural medicine in the field of tobacco control and addictions; behavioural medicine in treatment of obesity

Dr Paul Aveyard

- Quality of life

Dr Melanie Calvert

- Behavioural medicine: effects of exercise in clinical populations and community groups

Dr Amanda Daley

- Cardiovascular trials; anti-coagulation in primary care; near patient testing; asthma; decision making

Professor David Fitzmaurice

- Health inequalities, including ethnicity; prescribing; evidence-based practice

Dr Paramjit Gill

- Complementary medicine; patient self-management; prescribing

Dr Sheila Greenfield

- Thyroid disease; evaluation of undergraduate teaching programmes

Professor Jim Parle

- Impact of chronic diseases; evaluation of complementary or psychological therapies; irritable bowel syndrome

Dr Lesley Roberts

Medical and Dental Sciences

School of Health and Population Sciences

- The language of spoken and written medical communication; medical education

Professor John Skelton

- Community-based mental health

Dr Liz England

- Reproductive technology and responsibility, specifically the ethical and philosophical implications of genetic relatedness; ethics and transplantation; ethical decisions at the end of life

Dr Heather Draper

- Moral concern and vulnerable groups; ethical issues at the beginning and end of life

Dr June Jones

- Cancer and chronic disease; epidemiology; screening

Dr Sarah Damery

- Public policy and service delivery

Dr George Dowswell

- Patient narratives or accounts of illness or particular treatment interventions; cross-cultural studies of illness beliefs or management; self-management; complementary and alternative medicine: user perspectives, regulation, professional development and standards, practitioner education, use in particular conditions or patient groups; implementation of service improvement programmes

Dr Nicola Gale

- Strategies to improve primary care mental health; quality improvement in primary care; the Quality and Outcomes Framework; early intervention in mental health

Prof Helen Lester

- The relationship between culture, faith and health; chronic illness and self-management in minority ethnic communities; education for chronic illness and self-management; 'Novel methods' in applied health research; patient and public involvement in research; new ways of delivering health services for children; sociotechnical aspects of IT implementation and patient safety

Dr Sabi Redwood

- Recovery from serious mental illness; mental health inequalities; global mental health; the role of self-care in serious mental illness

Dr Lynda Tait

Public Health, Epidemiology

and Biostatistics PhD/MSc by Research

FT PT

Our main research programmes are in the areas of:

- The epidemiology of maternal and child health, cancer, genetics, health behaviour, and respiratory and communicable disease
- Health services research in health care evaluation; evidence-based practice; health care quality; health impact assessment
- Clinical trials, biostatistics and other research methodology

Research interests:

- Maternal and child epidemiology, epidemiological studies in maternal and child health including work on the long-term health of women after childbirth and the effect of different interventions around pregnancy

Professor Christine MacArthur

- Epidemiology of common cancers; cardiovascular diseases; chronic obstructive pulmonary diseases

Professor K K Cheng

- Childhood cancer: a programme grant focusing on the risks and aetiology of adverse health outcomes of cancer and its treatment, including the national cohort of 18,000 survivors of childhood cancer, and their 4,000 offspring

Professor Mike Hawkins

- The provision of an early warning system to the Department of Health of new health care technologies and associated diffusion research

Professor Andrew Stevens

- Health impact assessment; assessing the impact of public sector investment, particularly in non-health areas, and developing associated methodologies

Professor Jayne Parry

- Health care quality: the exploration of new methods of assessing the relative quality of different healthcare providers, and the modelling of healthcare activity

Dr Mohammed Mohammed

- FT** Full-time
PT Part-time
DL Distance Learning

Apply online see pages 66–69



- Health services research methodology: researching into the methodology of clinical trials to ensure fitness for purpose, and associated methodological research; evaluating service delivery interventions, supply side health economics (value of investment analysis), measurement of the quality and safety of research; developing associated methodologies

Professor Richard Lilford

- Primary care service organisation for cardiovascular prevention; analysis of large primary care data sets

Dr Tom Marshall

- Behavioural epidemiology (childhood obesity prevention); respiratory epidemiology (COPD); screening; health services research

Dr Peymane Adab

- Evaluation of medical tests and biomarkers; systematic review methodology; non-randomised evaluations of health care interventions

Professor Jon Deeks

- Maternal and child health; prevention of chronic disease; clinical trials; health service research; qualitative methods

Prof Kate Jolly

- COPD screening; COPD epidemiology (aetiology, prognosis and effectiveness of new interventions); seasonal and pandemic influenza vaccine epidemiology; systematic reviews; epidemiological studies; health services research

Dr Rachel Jordan

- Childhood cancer, survivorship, late effects, subsequent primary neoplasms

Dr Raoul Reulen

- Application of, and development of methods for, biostatistics particularly in relation to meta-analysis and evidence synthesis, including individual patient data meta-analysis; diagnostic and prognostic test accuracy studies; prognostic factor studies; risk prediction and prognostic models; biomarkers; stratified medicine

Dr Richard Riley

- Cardiovascular disease; epidemiology; public health; ageing

Dr Neil Thomas

Medical and Dental Sciences

School of Immunity and Infection

The School of Immunity and Infection employs a critical mass of academic staff engaged in research in immunology, infection, and inflammation. These areas are longstanding strengths of the College of Medical and Dental Sciences, with an annual research income of approximately £9 million. Alongside this is a strongly emerging theme in stem cell biology.

The School currently hosts approximately 75 graduate students, both clinical and non-clinical. In addition, it employs over 60 postdoctoral scientists working on various research programmes, and a number of young investigators with independent fellowship awards.

Key research strengths within the School fall into the following major themes:

- Immune Regulation Inflammation and Inflammatory Disease (Liver, Rheumatoid Arthritis, Nephrology and Ophthalmology)
- Stem Cells, Developmental Biology and Epigenetics, Bacterial and Viral Infections

Embedded within the School is the MRC Centre for Immune Regulation, which provides a coherent focus for immunology research together with core facilities. Its aim is to gain a better understanding of immune factors in autoimmunity, immune mediated inflammatory disease and selected bacterial and virus mediated diseases through gaining insights into the microenvironmental control of immune response.

A number of internationally recognised research groups attract programme grant level support from the Medical Research Council, BBSRC, European Commission, Leukaemia Research Fund, Wellcome Trust, Cancer Research UK, Department of Health and the Arthritis Research Council.

Research activity within the School underpins clinical research and translational development in Immunology, Infection, Rheumatology, Hepatology (with a recently funded NIHR Biomedical Research Unit), Nephrology and Ophthalmology.

Clinical academics work closely with local trusts and other agencies including the Health Protection Agency and the Blood Transfusion Service. The School also has a Clinical Immunology Service, which provides specialist support for clinical academics, expertise and opportunities for the development of new diagnostic assays, biomarker platforms, and valuable clinical material for research.

Facilities

Most of the research within the School is conducted within the Institute for Biomedical Research (IBR), which provides state-of-the-art laboratory accommodation, access to excellent technologies including flow cytometry, confocal microscopy, real-time PCR, proteomics and genomics, containment facilities up to Category 3 for work with micro-organisms, and excellent facilities for development of *in vivo* model systems. The IBR building is adjacent to the University Hospital Birmingham NHS Foundation Trust and the Wellcome Clinical Research Facility (www.birmingham.ac.uk/facilities/crf), which gives access to translational and clinical research.

Postgraduate study

We have an active postgraduate training programme and run PhD programmes covering the research interests of the School. All postgraduate students are provided with training in generic skills, together with progress monitoring and support.

Our four-year integrated PhD programme includes a foundation year, which provides teaching in generic and transferable skills, key topics in immunology and practical training in state-of-the-art technologies. We also run an MSc course in Functional and Clinical Anatomy.

Learn more at the School of Immunity and Infection website www.birmingham.ac.uk/ii and the MRC Centre for Immune Regulation website www.mrc-immune.bham.ac.uk

- FT** Full-time
PT Part-time
DL Distance Learning

Apply online see pages 66–69



Duration of programmes

- PhD – 3 years full-time; 6 years part-time
- MSc by Research – 1 year full-time; 2 years part-time
- MD – 2 years minimum part-time
- MSc – 2 years part-time

Entry requirements

Visit our online prospectus www.birmingham.ac.uk/students/requirements

Also see 'general entry requirements' on page 68.

English language requirements

Candidates whose first language is not English will need to meet the English language requirements stipulated for Medicine and Dentistry. See also standard English language requirements on page 68.

Scholarships and studentships

For postgraduate studentships in Immunity and Infection, please contact the School directly, visit our online prospectus or email financialsupport@bham.ac.uk

Fees

Standard fees apply (see pages 62–63 for details) although in some projects a bench fee is also payable. For the most up-to-date information contact the School directly.

Starting dates

- Research degrees may start at any time of the year, though for most this will be September
- Taught programmes (MSc/Diploma) will start in September 2013

Learn more

www.birmingham.ac.uk/schools/immunity-infection

Taught programmes

Functional and Clinical Anatomy MSc

PT

This programme offers the opportunity to study functional, comparative and clinical anatomy to a higher level of critical understanding. Advanced skills in learning, as well as practical skills used during this programme, will support your career development and introduce you to higher skills for clinical practice. It has been designed to allow participating students to maintain their clinical experience while studying for a highly relevant MSc-level qualification.

Learning will be through lectures, seminars and small group sessions, with practical experience in clinics and laboratories – all these with a high staff to student ratio. You will produce a detailed and thorough dissection of a human cadaver; this will develop your manual skills, as well as inform your higher level of understanding in topographical anatomy.

Options modules will include:

- Anatomical and immunological basis of transplantation
- Anatomical basis of trauma management
- Inflammatory disease of joints

These will give you the opportunity to work in clinics and laboratories where internationally recognised research and treatments are being developed.

The programme will be assessed using a variety of methods, which will include essays, extended matching set questions and short notes questions and a viva, with formative assessments offered in each of these forms. A final dissertation and presentation based upon original research is required for completion of this MSc.

This programme will run over two years on alternate Thursdays (48 full days).

Medical and Dental Sciences

School of Immunity and Infection

If you would like further information about the course, or wish to request a hard copy of the application form, please contact:

Professor Joanne Wilton: Senior Lecturer in Anatomy –

+44 (0)121 414 6838; j.c.wilton@bham.ac.uk

www.birmingham.ac.uk/fca

Immunology and Immunotherapy MSc

Programme under development

This new full-time one-year MSc programme is suitable for graduates with a background in biological sciences wishing to develop a career in immunology or its application to the therapy of human disease. The programme will cover detailed molecular and cellular mechanisms of immune function, followed by translation of immunology for use in immunotherapy, including biologics, small molecule inhibitors and cellular therapy.

There are a large number of international experts in these research areas across the College of Medical and Dental Sciences who will contribute to the teaching of this programme. In addition, students will have the exciting opportunity to carry out their dissertation research projects with these leading scientists. We also plan to offer some projects within external biotechnology companies.

Further information is available at

www.birmingham.ac.uk/mscimmunology

Contact: Dr S John Curnow – s.j.curnow@bham.ac.uk

Doctoral research programmes

For any general doctoral research enquiries please email dr@contacts.bham.ac.uk or call +44 (0)121 414 5005

Immunity and Infection PhD/MD/MSc by Research

We have a large community of academic, research and support staff and postgraduate students, and an annual turnover of approximately £8 million support for research.

Our research is themed as follows:

- Immune Regulation
- Inflammation and Inflammatory Disease
- Stem Cell Biology and Gene Regulation
- Bacterial Infections, Pathogenesis and Antibiotic Resistance

Contact: Professor David Adams, Head of School –

+44 (0)121 415 8702; d.h.adams@bham.ac.uk

For all enquiries concerning research interests in the School please contact mdsphd@contacts.bham.ac.uk

Research interests of staff:

Immune Regulation

- Cellular and molecular interactions *in vivo* inducing and regulating immune responses

Professor Peter Lane

Dr Jorge Caamano

Dr Kai-Michael Toellner

Dr David Withers

- Thymocyte/stromal cell interactions in T cell development and selection

Professor Graham Anderson

Professor Eric Jenkinson

Dr Nick Jones

Dr William Jenkinson

- Chemokine regulation of immune responses

Professor Antal Rot

- T cell differentiation and regulation in autoimmune diabetes

Dr Lucy Walker

- Molecular and cellular biology of T cell regulation

Professor Dave Sansom

- Immune regulation for bacterial infection

Professor Adam Cunningham

Dr Calman MacLennan

Dr Tony Lammas

- Clinical and diagnostic immunology

Professor Mark Drayson

Dr Mark Cobbold

Dr Sylvie Freeman

FT Full-time
PT Part-time
DL Distance Learning

Apply online see pages 66–69



Inflammation and inflammatory disease

■ Inflammatory liver disease

Professor David Adams

Dr Patricia Lalor

Dr Simon Afford

Dr Gideon Hirschfield

Dr Ye Oo

Dr Shishir Shetty

Dr Zania Stamataki

■ Hepatitis C immunobiology

Professor Jane McKeating

Dr Peter Balfe

■ Inflammatory joint disease

Professor Chris Buckley

Professor Andy Clark

Dr Steve Young

Dr Karim Raza

Dr Dagmar Scheel Toellner

Dr Francesca Barone

Dr Andrew Filer

Dr Ben Fisher

Dr Helen McGettrick

Dr Paolo de Pablo

■ Immunosenescence and chronic inflammation

Professor Janet Lord

■ Systemic autoimmune rheumatic diseases – systemic lupus erythematosus

Dr Caroline Gordon

■ Mechanisms of dysregulated neutrophil and lymphocyte function during pathogenesis of autoimmune renal disease, particularly vasculitis

Professor Lorraine Harper

Dr Matt Morgan

■ The involvement of lymphocytes, cytokines and chemokines in uveitis (inflammatory eye disease)

Professor Philip Murray

■ Infectious and immune-mediated ocular surface diseases

Miss Saaeha Rauz

■ Inflammation at sites of immune privilege; the role of pathogenic and regulatory T cells

Dr S John Curnow

Dr Graham Wallace

Stem Cell Biology and Gene Regulation

■ Transcriptional regulation of adult and embryonic stem cells in health and disease

Professor Jon Frampton

Dr Padma-Sheela Jayaraman

Dr Paloma Garcia

■ Stem cells and liver disease

Dr Phil Newsome

■ Epigenetic mechanisms of gene regulation

Professor Peter Cockerill

Dr Laura O'Neill

Dr Karl Nightingale

■ Chromatin remodelling and transcriptional regulation of Drosophila blood development

Dr Paul Badenhorst

■ Control mechanisms in angiogenesis

Professor Roy Bicknell

Dr Victoria Heath

■ Regulation of haematopoietic cell differentiation

Dr Geoffrey Brown

Bacterial Infections, Pathogenesis and Antibiotic Resistance

■ Antimicrobial action and resistance

Professor Laura Piddock

Professor Tim Mitchell

Professor Peter Hawkey

Professor Ian Henderson

Dr Mark Webber

Dr Vassiliy Bavro

■ Immune responses to infection and vaccine development

Professor Adam Cunningham

Dr Calman MacLennan

Professor Ian Henderson

■ Mechanisms of bacterial pathogenesis

Professor Ian Henderson

Professor Laura Piddock

■ Nosocomial infections

Professor Peter Hawkey

Professor Laura Piddock

College of Social Sciences

Birmingham –

*a great learning
environment*

My biggest achievement at the University of Birmingham has been gaining a place on the trip to Delhi.

This was an intensive module run by my department which took place over just one week. Going out to Delhi was a great opportunity and an amazing experience, and I am very proud that I got the opportunity to take part.

Postgraduate study means you have to take the initiative yourself but you are not on your own – the University ensures you have a big support group with your peers, tutors and lecturers and everyone is really easy to talk to.

My time at Birmingham has developed my passion for my subject and shaped my future as I intend to continue studying here for a PhD. There is so much more to learn and I can't wait to get stuck in!

Rhys

MA International Relations





Social Sciences

Intercollege programme

FT	Full-time
PT	Part-time
DL	Distance Learning

[Apply online](#) see pages 66–69

The College of Social Sciences contributes to an Economic and Social Research Council (ESRC) research training programme; the MA Social Research. The University is one of only 12 UK institutions to have been awarded 'Doctoral Training Centre' status by the ESRC, the UK funding body for social sciences. The centre draws on expertise across the social sciences at Birmingham to deliver outstanding postgraduate training for more than 70 social scientists. The Centre reaches out to staff, students, and policy makers beyond the University through its programme of short course research training opportunities.

Social Research MA/Diploma

FT PT

This programme is recognised by the ESRC as a research training programme designed to provide participants with a sound background in social research design and the most up-to-date training in methods, data collection and analysis.

The core elements of this programme are delivered by staff from across the College of Social Sciences, many of them engaged in cutting-edge research in their own fields.

The MA programme includes assessed core modules and short courses (120 credits) and the completion of a 14,000-word dissertation (60 credits), while the Postgraduate Diploma includes the assessed courses only (120 credits).

The programme is also available as different subject pathways, including:

- MA in Social Research (Business)
- MA in Social Research (Education)
- MA in Social Research (Local Government and Public Policy)
- MA in Social Research (Social Policy)
- MA in Social Research (Social Work and Professional Practice)

Contact: Marea Arries – +44 (0)121 414 6347;
m.b.arries@bham.ac.uk

Social Sciences

Birmingham Business School



Birmingham Business School's portfolio of postgraduate taught and research degrees has been designed to provide both academic excellence and vocational relevance, ensuring that the skills and experiences students take away with them are valued by employers. The School employs over 130 lecturing and research staff, many of whom are internationally recognised authorities in their fields. Members of the School undertake projects funded by the research councils, major trusts, professional institutions, government departments and the EU. Their research papers are published in high quality journals, books and conference proceedings, as well as in practitioners' journals. This research also directly contributes to our world-class delivery of education.

Birmingham Business School comprises the departments of Accounting and Finance, Economics, Management and Marketing.

The Business School contributes to an Economic and Social Research Council (ESRC) research training programme – the MA Social Research (see page 202). The University is one of only 12 UK institutions to have been awarded 'Doctoral Training Centre' status by the ESRC, the UK funding body for social sciences. The new centre draws on expertise across the social sciences at Birmingham to deliver outstanding postgraduate training for more than 70 social scientists. The Centre will also reach out to staff, students, and policy makers beyond the University through its programme of short course research training opportunities.

Facilities

University House incorporates a multi-million pound state-of-the-art teaching and learning complex. With full access to wireless technology, all lecture and seminar rooms are audio-visually equipped. This allows all postgraduate teaching to take place on site. In addition, there is a private common room for MBA students.

Postgraduate study

We have close links with industry, government departments, the financial community and major professions. These relationships foster research partnerships and the identification of fieldwork sites, while research results inform practice and policy, as well as theory.

Many of our academic staff regularly lecture and contribute to research in other countries. We have undertaken consultancy work for the World Bank, United Nations, the Bank of England and the Asian Development Bank, as well as other multi-national organisations.

Duration of programmes

- PhD – 3 years full-time; 6 years part-time
- MPhil – 2 years full-time; 4 years part-time
- MSc – 1 year full-time; 2 years part-time
- MBA – 1 year full-time; 2–4 years part-time
- Postgraduate Diploma/Graduate Diploma – 1 year full-time; 2 years part-time

Student support

The School offers a number of open days, applicant visit days and online events to give prospective students the opportunity to visit the School and University and also to meet with academic staff. For details on upcoming events, please visit our website or contact the School directly.

Entry requirements

See specific entry requirements below. See also 'General entry requirements' on page 68 or contact the relevant department.

Birmingham Business School programmes

- International Accounting and Finance MSc – a degree in a relevant subject. We also accept professional qualifications such as ACA, ACCA, CIMA, AIB or ACII if they have been obtained by examination.
- Investments MSc – relevant qualifications deemed equivalent to a good Honours degree such as ACA, ACCA, CIMA are accepted. A level Mathematics grade C is required or, as an alternative, we will also accept a minimum score of 650 achieved on the Graduate Record Examinations (GRE).
- Marketing Communications MSc and Strategic Marketing and Consulting MSc – a relevant degree or a minimum of two years' direct experience of marketing. For those not qualified for direct entry to the one-year MSc programmes, a preliminary year is available (see MSc programmes – flexible route on page 209).

Social Sciences

Birmingham Business School

- **MBA full-time** – a good Honours degree plus a minimum of 5 years postgraduation work experience (3 years for 21- and 24-month programmes). Equivalent professional qualifications will also be considered.
- **MBA Global Banking and Finance** – a good Honours degree in a relevant discipline plus at least three years of postgraduation work experience in banking or finance at a supervisory level. Equivalent professional qualifications will also be considered. Applicants who do not meet the requirements for direct entry to the one-year MBA (GBF) programme have the option of applying for the 24-month programme. For those with appropriate quantitative skills, it is possible to enter the first year of the 24-month programme in January (see MBA (full-time) for full details).

English language requirements

Standard English language requirements apply (see page 68)

- **Business Administration Graduate Diploma** – scores of 6.0 IELTS with no less than 5.5 in any band or TOEFL IBT score of 87 overall with no less than 21 in listening, 22 in reading, 23 in speaking and 21 in writing are required
- **21-month MBA** – scores of 6.5 IELTS with no less than 6.0 in any band or TOEFL IBT score of 93 overall with no less than 21 in listening, 22 in reading, 23 in speaking and 21 in writing are required
- **24-month MBA** – scores of 6.0 IELTS with no less than 5.5 in any band or TOEFL IBT score of 87 overall with no less than 21 in listening, 22 in reading, 23 in speaking and 21 in writing are required
- **12-month MBA** – scores of 7.0 IELTS with no less than 6.5 in any band or TOEFL IBT score of 100 overall with no less than 23 in any band
- **International Marketing, Marketing, Marketing Communications, and Strategic Marketing and Consulting MSc** – score of 7.0 IELTS or TOEFL IBT score of 100 overall with no less than 23 in any band are required
- **Human Resource Management MSc** – score of 7.0 IELTS or TOEFL IBT score of 100 overall with no less than 23 in any band

Scholarships and studentships

Please contact the School directly or email financialsupport@bham.ac.uk

Fees and funding

In 2012–13, fees in the Business School ranged from £4,950 (home/EU) for one of the 12-month Masters programmes to £19,000 for the Executive MBA. For the most up-to-date fees information, contact the School directly.

Starting dates

Programmes start in September 2013. However, flexible intakes are available for some MBA programmes.

Learn more

www.birmingham.ac.uk/schools/business

BUSINESS

Taught MBA programmes

All MBA programmes are accredited by the Association of MBAs (AMBA), the UK accrediting body. The School also has European Quality Improvement Systems (EQUIS) accreditation and is currently working towards attaining AACSB Accreditation. Unless otherwise stated, your contact for all MBA programmes is:

Victoria Harold MBA Recruitment and Admissions Manager –
+44 (0)121 414 4378; v.l.harold@bham.ac.uk

MBA

Our full-time MBA programme is focused on strategic international business. As such there are four distinctive and challenging enterprise projects working closely with businesses in the UK and worldwide. This includes our International Business Experience module and the International Management Challenge. Our approach on the programme is to constantly apply theory to practice to develop your career in international business leadership. Twelve modules are taken and

FT

- FT** Full-time
PT Part-time
DL Distance Learning

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a dissertation is submitted to complete the requirements for the award of the MBA degree. There are compulsory core modules and an extensive range of elective options.

Depending on the options taken, you can focus on a special field in one of the following areas:

- Marketing
- Finance
- International Trade and Finance
- Human Resource Management
- Organisational Behaviour

A range of teaching and learning methods are used to relate theory to practical situations. Important business skills such as analysis, argument and synthesis are developed. Personal leadership skills are enhanced through a series of modules in areas such as leadership, team dynamics and cross-cultural understanding. These take place at the University and residential off-campus locations.

MBA 24-month

FT

For those not qualified for direct entry to the one-year programme (eg, because of a lack of the necessary work or language experience) a preliminary year is available. This provides training in core management competencies and focuses on how management disciplines integrate at operational level to achieve short- to medium-term objectives.

Executive MBA

PT

The Executive MBA programme is targeted at experienced managers across a range of industries and sectors who want to boost their career prospects and enhance their thinking about management practice. The part-time delivery mode is designed to be as flexible as possible to meet the needs of busy professionals juggling career and other commitments with study. The eight taught modules and dissertation are taken in a minimum of two-and-a-half years and a maximum of six. Each taught module is delivered in an intensive six-day block spread over two consecutive long weekends – Friday to Sunday. Modules are offered at four points during the academic year – October, January, April and July.

Global MBA

PT

We are proud to have been running this programme continuously in Singapore for 18 years. We use fundamentally the same syllabus as the corresponding Birmingham programme and the same team of University of Birmingham academic staff. We are also aware of the need for some customisation and use more Asian case studies and institutional material than in the home programme. The modules are fully interchangeable – students undertaking the programme in Singapore or Hong Kong can, if they wish, take some modules in the UK to broaden their perspective, and those in the UK whose careers take them to one of our overseas areas where we deliver our programmes are still able to complete their MBA with us.

Global Banking and Finance MBA

FT

This MBA degree programme has been specifically designed for graduates who aspire to develop careers in global banking and finance. The MBA in Global Banking and Finance programme aims to improve management and technical skills by focusing on key areas such as international banking, banking and finance regulation and supervision, risk and asset and liability management, strategic management of financial institutions, financial markets, and private equity and venture capital finance. Many of our graduates are working in senior positions at banks and financial institutions and in the investment industry worldwide. The programme is delivered by University faculty and industry practitioners to cater to the current and future needs of the global financial services industry. MBA (GBF) attracts highly qualified and experienced students from a variety of cultures and nationalities and is highly rated by students wanting to specialise in banking and finance.

Social Sciences

Birmingham Business School

Public Service MBA

The MBA Public Service is a structured personal and professional development programme designed for current and future leaders working across the public, voluntary, third and commercial sectors. It is primarily targeted at middle to senior managers working in the UK across a range of public sector organisations such as the NHS, local and central government, the police, probation and the prison service. With its blend of generic management and specialist public service modules, however, the programme is also designed for a wider market of individuals in private and third sector jobs, in particular those involved in the delivery of contracted out public services.

Contact: Victoria Harold – +44 (0)121 414 4378;

v.harold@bham.ac.uk

Strategy and Procurement Management MBA

FT PT

The MBA (SPM) is accredited by the UK's Chartered Institute of Purchasing and Supply (CIPS), and graduates who fulfil the relevant work experience requirements of CIPS are also awarded full membership of the Institute (MCIPS). The programme offers a range of specialist professionally oriented modules designed for managers with procurement responsibilities across a range of sectors and industries. It provides an opportunity for those involved in procurement to develop their general management knowledge and skills, and to gain access to leading-edge thinking and research in procurement and supply management. The programme is available in both part-time and full-time delivery modes. The part-time programme can be completed in a minimum of two-and-a-half years and a maximum of six, and is designed to be as flexible as possible to meet the needs of busy professionals juggling career and other commitments with study. The full-time programme is completed in 15 months.

Contact: Victoria Harold – +44 (0)121 414 4378;

v.harold@bham.ac.uk

Business Administration Graduate Diploma

FT

This programme provides a thorough grounding in functional issues in management and is a qualification in its own right. It also empowers those who seek to gain entry to our MSc programmes, and, importantly, it is the first year of our 24-month MBA programme. We expose you to a wide range of management disciplines that develop your abilities

PT

to synthesise diverse theoretical issues, to analyse complex business situations, understand team dynamics, and build confidence in articulating and presenting solutions to a critical audience. We employ many teaching and assessment methods that reflect the standards required by our MBA and MSc programmes. For international students, we offer continuing English language support to enhance your learning experience.

Taught MSc programmes

All MSc programmes have ESRC accreditation. Unless otherwise stated, your contact for all MSc programmes is:

MSc Admissions – +44 (0)121 415 8273; mscadmissions@

lists.bham.ac.uk or visit www.birmingham.ac.uk/schools/business

ACCOUNTING AND FINANCE

International Accounting and Finance MSc

FT

This programme encompasses accounting in its international, public and private contexts, corporate financial management, private sector investment and foreign exchange markets. It aims to give you a deep knowledge of the theoretical and empirical literature that provides the background to understanding changes and innovations in accounting and finance. You also acquire a range of techniques that can be used to solve real-life problems. You take six modules, including compulsory ones on Financial Accounting Theory and Policy and Theory of Financial Management. You can also choose from a wide range of options and must submit a dissertation on a topic of your choice.

Investments MSc

FT

We are recognised by the Chartered Institute for Securities and Investments (CISI) as a Centre of Excellence. You will be eligible to receive the CISI Diploma. This programme teaches the theories and techniques of investments and their real-life application. It is for graduates who want to develop a career in investment institutions, or who wish to become investments specialists or managers in other corporate bodies. Internationally renowned academic staff teach theory and technique, while their application is taught by professional traders with years of

FT Full-time
PT Part-time
DL Distance Learning

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buying
solutions

experience in the industry and first-hand knowledge of current market regulations, trading techniques and customs and practices. You also have access to a simulated dealing room, where a range of trading techniques can be practised. We expect applicants to have a background in accounting, finance, economics, business administration, mathematics, statistics, science or engineering. Evidence of mathematical skills is required. See page 203.

ECONOMICS

Development Economics MSc

This programme reflects our strength in theoretical and applied policy areas, particularly as they concern emerging and developing countries. A technical training in the formal analysis of developmental economics is vital to careers involving developing countries. You are expected to complete a dissertation.

Economics MSc

This programme provides an advanced training in economic theory and econometrics and application of these to achieve a sophisticated understanding of policy issues. It constitutes the taught part of an ESRC-recognised '1+3' programme leading to a PhD degree, reflecting the strength of our diverse research interests. You are expected to complete a dissertation.

Economic Policy MSc

This specialist programme is aimed at students contemplating a career in government or international policy-based organisations; or for those already working in such institutions. It reflects the Department's teaching and research strengths in policy issues, microeconomic and macroeconomic policy. You are expected to complete a dissertation.

Environmental and Natural Resource Economics MSc

Environmental and natural resource economists deal with mankind's most challenging problems, such as global climatic change, environmental pollution, deforestation, biodiversity loss, water scarcity and food poverty. You will understand these fundamental problems, and design policies to solve them.

International Economics MSc

This programme reflects the fundamental importance of this area in the present age and the fact that it is a particular teaching and research strength of the Department. Globalisation of the world economy means that a training in international economics is now of vital importance in many careers. You are expected to complete a dissertation.

International Money and Banking MSc

This programme complements the MSc in Money, Banking and Finance and is of particular interest to those wishing to pursue careers in the financial sector. It provides you with an advanced knowledge of the related disciplines of macroeconomics, banking, international finance and financial markets. You are expected to complete a dissertation.

Mathematical Finance MSc

This programme, taught jointly with the School of Mathematics, provides the skills that will enable technically minded graduates (including those with backgrounds in mathematics, science and engineering) to apply their quantitative training to financial analysis. In most cases we expect that graduates from the Masters will take positions in quantitative analysis (or similar) in major financial institutions, such as in the City. The programme also prepares you to pursue further studies in academia. You are expected to complete a dissertation.

Money, Banking and Finance MSc

This is our most popular programme. There is a worldwide demand for those trained in the area, which shows no sign of abating. Graduates from the programme hold high-ranking positions in financial centres around the globe. In addition to those aiming at careers in the private sector, it attracts economists currently working in economics, treasury or finance ministries, or in central banks and graduates preparing for such careers. You take a number of compulsory modules and an optional module and are required to produce a dissertation.

For further information about all Economics MSc programmes contact: The Postgraduate Administrator – +44 (0)121 414 6650; e.p.steadman@bham.ac.uk or visit www.birmingham.ac.uk/students/courses/postgraduate

Social Sciences

Birmingham Business School

MANAGEMENT

Human Resource Management MSc

FT

Many organisations claim 'our people are our most important asset' and that the HRM function is increasingly significant to business strategy and success. Activities such as recruitment, selection, managing labour relations, training and career development are important to the effectiveness of organisations wherever they are located.

The MSc HRM pathway offers a suite of core and elective modules that explore and critically assess relevant and contemporary HRM-related theories and research, giving insight into their practical applications.

Human Resource Management with CIPD Pathway MSc

FT

The MSc HRM (with CIPD Pathway) offers a set of core modules, which provide access to CIPD membership and a greater focus on the development of professional managerial skills.

International Business MSc

FT

The programme draws on the talents of internationally esteemed scholars and highly respected teachers. Their expertise covers globalisation, the international aspects of accounting and finance, corporate governance, e-commerce, human resource management, marketing, organisation of multinational corporations, operations and procurement and strategy. Regional specialists with expertise on Africa, China, Europe and Latin America also teach on the programme.

Local and Regional Economic Development (IED Accredited)

MSc/Postgraduate Diploma/Graduate Diploma/
Postgraduate Certificate/Certificate

FT PT

These programmes are approved by the Institution of Economic Development and are designed for those who want to extend their field of academic knowledge and understanding of issues in economic development and policy, as well as for those who are interested and concerned with policy in practice. The programmes will appeal to those working in local authorities, learning and skills councils, business links, and other national and local economic development agencies.

The programmes can be studied either full- or part-time. For the MSc you are expected to complete a dissertation.

Contact: Gill Bentley – +44 (0)121 414 4984;
g.a.bentley@bham.ac.uk

MARKETING

International Marketing MSc

FT

This is a conversion programme for applicants without previous knowledge or experience in marketing but who wish to explore the theory, principles and practice of marketing in the context of a global market environment and the challenges of marketing across countries and cultures. We help you develop the necessary practical skills for a successful international marketing career. For graduates wishing to develop a career in marketing, the opportunities span a wide variety of roles. The programme is recognised by the ESRC for research training and also has exemptions from parts of the Chartered Institute of Marketing Professional Diploma.

Marketing MSc

FT

This programme is designed for graduates wishing to start, or further develop, careers in marketing. It explores the principles, theoretical concepts and practice of marketing with particular emphasis on contemporary issues and leading-edge marketing thinking. The programme involves core modules and elective modules. The elective modules enable you to tailor your MSc to your own specific requirements. The programme is recognised by the ESRC for research training, and also has exemptions from parts of the Chartered Institute of Marketing Professional Diploma.

FT Full-time
PT Part-time
DL Distance Learning

Apply online see pages 66–69



Marketing Communications MSc

The programme has close links with the marketing communications industry and is sponsored and supported by Wyatt International.

This MSc is designed for recent graduates and practising managers who are familiar with marketing concepts. It will enable you to develop an advanced knowledge and understanding of the theory and practice of marketing communications, including integrated marketing communications (IMC) within a contemporary strategic marketing context and managerial framework. You will be taught by staff from one of the largest Marketing faculties in the UK, including academics who are internationally recognised. Our complement of academics and marketing practitioners offer extensive experience and expertise in areas such as brand marketing, advertising, e-marketing, retailing, international marketing, consumer behaviour, business-to-business marketing, marketing ethics, innovation and strategy. Our Masters students may choose to undertake consultancy projects with a range of clients, as part of their dissertation module. Companies we work with include Cadbury's, Green and Blacks, ChemTrend, Aston Villa, Reckitt Benckizer, Barnardo's, Hobbs and Faveo. The programme is recognised by the ESRC for research training, and also has exemptions from parts of the Chartered Institute of Marketing Professional Diploma.

FT Strategic Marketing and Consulting MSc

This programme has close links with industry and is sponsored and supported by Accenture. Designed for recent graduates or practising managers who are already familiar with basic marketing concepts, this programme will enable you to develop advanced knowledge and understanding of contemporary and complex strategic challenges facing marketers and to deepen your insights in the theory and practice of specialist aspects of marketing. It will develop your critical thinking, research and communications skills and uniquely, includes consultancy projects as a vehicle for learning and as a means of developing personal skills for later careers potential. The programme is recognised by the ESRC for research training and also has exemptions from parts of the Chartered Institute of Marketing Professional Diploma.

FT

MSc Programmes – flexible route

FT

For those not qualified for direct entry to the one-year MSc programmes, a preliminary year is available. The 24-month MSc programme provides a flexible entry route onto some of our MSc programmes. Initially you gain a sound academic grounding in financial and managerial issues. You then continue into your area of expertise, with MSc-specific modules. For more information, see the Graduate Diploma in Business Administration on page 206.

Combined research and taught programme

Integrated Study (Business and Management)

PhD with Integrated Study

A four-year PhD programme that allows you to gain added value from taught subject-based modules as well as undertaking original research. The taught modules allow you to broaden, as well as deepen, your subject knowledge at the same time as undertaking your own research and developing a set of transferable professional skills. The programme will facilitate the creation and interpretation of new knowledge by the research student, demonstrated through the thesis.

Contact: Doctoral Programmes Office Administrator –
 +44 (0)121 414 3498; pgrbusiness@bham.ac.uk

Social Sciences

Birmingham Business School

Doctoral research programmes

Accounting and Finance PhD/MPhil/MSc

FT PT

With roots dating back to the appointment of the country's first Professor of Accounting, the group has a long-standing history of researching and teaching in this area.

Contacts:

Dr Joanne Locke, PhD Co-ordinator –

+44 (0)121 414 5647; j.locke@bham.ac.uk

Professor Andy Lymer, Head of Department of Accounting and Finance – +44 (0)121 414 6677; a.m.lymer@bham.ac.uk

Research areas:

Accounting

- Information Systems and Accounting – the communication, use and regulation of digital reporting; control and electronic interchange of data; XBRL; use of internet technologies in business; ERP, and the role of technology in taxation.

Contact: Dr Joanne Locke – +44 (0)121 414 5647;
j.locke@bham.ac.uk

- Management Accounting – accountability, control systems and change in management accounting; strategic management accounting; institutional theories and corporate governance; accounting in emerging countries.

Contact: Mr Alan Coad – +44 (0)121 415 7667;
a.f.coad@bham.ac.uk

- Public Sector Accounting – accounting in local and central government; charity accounts; national accounting, and comparative international studies.

Contact: Dr George Georgiou – +44 (0)121 414 5388;
g.georgiou@bham.ac.uk

- Financial Accounting and Reporting – history of accounting and audit; political and economic consequences of accounting standards; impact of professions; measurement issues; corporate governance; audit and agency theory; globalisation and internationalisation issues.

Contact: Professor David Alexander – +44 (0)121 414 8027/6530; d.j.a.alexander@bham.ac.uk

- Taxation – impact of taxation on individual and business decision making; the role of taxation in global trade, and tax education.

Contact: Professor Andy Lymer – +44 (0)121 414 6677;
a.m.lymer@bham.ac.uk

Finance

- Corporate Finance – corporate financial management (including private equity); financial markets (including IPO markets); financial institutions (especially conventional as well as Islamic banks); financial instruments (including derivatives); flow of funds, overreaction phenomena and control of volatility in emerging markets; corporate finance aspects of privatisation and economic development; economic consequences of corporate disclosure.

Contact: Professor Victor Murinde – +44 (0)121 414 6704;
v.murinde@bham.ac.uk

- Global Banking and Finance – financial sector development; flow of funds; bank regulation and governance; bank behaviour and competitiveness; financial crisis and volatility in developing and developed markets.

Contact: Professor Andy Mullineux – +44 (0)121 414 6642;
a.w.mullineux@bham.ac.uk

- Centre for Corporate Governance Research – relationship between boards of directors and institutional investors; trends in voting; directors' remuneration; compliance with corporate governance codes by both large and small companies; the role of corporate governance in debt recovery from distressed public and private companies; corporate governance and sustainability; corporate governance developments in Central and Eastern Europe and in the Middle and Far East.

Contact: Professor Christine Mallin – +44 (0)121 414 2273;
c.a.mallin@bham.ac.uk

FT Full-time
PT Part-time
DL Distance Learning

Apply online see pages 66–69



Economics PhD/MPhil

Research is supervised within five research groups as follows:

Econometrics

Research includes:

- Mathematical methods in economics; economic methodology and philosophy
- Modelling and forecasting economic time series
- Time series econometrics

Economic Theory

Research includes:

- Microeconomic theory, specifically economic growth; mathematical economics
- Applied game theory and mechanism design
- Environmental economics, in particular climate change; institutions and capital flight; voting theory

Money, Macroeconomics and Finance

Research includes:

- History of 20th-century economics; economic methodology
- Financial sector reform; financial institutional behaviour
- International monetary economics, in particular monetary integration

Political Economy and Economic Policy

Research includes:

- International trade and industrial organisation; development economics; technology and innovation economics
- Public choice; electoral systems; crime, neighbourhood effects and rights
- Economic growth and income distribution; public economics, pensions and education; debt and default

Trade, Energy and Environment

- Trade and the environment; economic development and the environment; valuation of non-market goods
- Empirical international trade; intra-industry trade; economic geography; European integration; trade and the environment
- The electricity industry; electricity markets; economic regulation

FT Management PhD/MPhil/MSc

The Department covers a wide range of interests in the fields of Managerial Economics, Human Resource Management, International Business, International Management and Organisational Studies, Labour and Managerial Economics, Procurement and Operations Management.

For a complete list of research interests of staff and contact details, please visit our online prospectus

www.birmingham.ac.uk/students/courses/postgraduate

Contact: Dr Paul Lewis – +44 (0)121 414 8786;
 p.c.lewis@bham.ac.uk

Marketing PhD/MPhil/MSc

The recruitment of postgraduate researchers in Marketing is aligned to the five interdisciplinary research priorities of Birmingham Business School. Each member of the Marketing Department strives to recruit postgraduate researchers who will help generate first class, meaningful research that is of value to marketing practitioners, policy makers and educators. Specialist areas of research include business to business marketing, brand marketing, consumer behaviour, consumer and marketing ethics, corporate social responsibility, e-marketing, experiential marketing, international marketing, innovation management, marketing communications, marketing strategy and sustainable marketing.

For a complete list of research areas visit our online prospectus

www.birmingham.ac.uk/students/courses/postgraduate

Contact: Dr Caroline Moraes – +44 (0)121 414 6696;
 c.moraes@bham.ac.uk

FT PT

FT PT

Social Sciences

School of Education

Education is a research-led school and recognised as a leader in the field in the UK and internationally. Our research contributes to academic, industry and media debates worldwide. The School continues to attract significant research investment and has launched two new research centres – The Jubilee Centre for Character and Values and a new Centre for Higher Education Equity and Access. The School of Education contributes to an Economic and Social Research Council (ESRC) research training programme – the MA Social Research (see page 202).

The University is one of only 12 UK institutions to have been awarded 'Doctoral Training Centre' status by the ESRC, the UK funding body for social sciences. The centre draws on expertise across the social sciences at Birmingham to deliver outstanding postgraduate training for more than 70 social scientists. The Centre also reaches out to staff, students, and policy makers beyond the University through its programme of short course research training opportunities.

Facilities

We have facilities to suit your needs depending on the type of programme you are studying with us. In addition to the University campus, library, and computer facilities, we have our own Education Library based within the main Education building with specialised resources including education sector-specific literature. If you study on our distance education courses you can enjoy being part of an online community with excellent peer support. There is a wealth of teaching materials including online access to journals, e-library, paper-based study materials, and online discussions.

As a full-time research student you have 24-hour access to work space in our research suite, where there are computer and telephone facilities. You also have access to University libraries and computer facilities, as well as other entitlements such as grants towards conference attendance and photocopying. Many research students work with supervisors to publish articles, working with the policy community to make their work public.

Postgraduate study

We offer an extensive range of postgraduate programmes and these include postgraduate taught programmes, combined research and taught programmes, and doctoral research programmes. These courses provide a flexible range of professional development opportunities for those who want to train to teach, existing teachers and other educational practitioners as well as research-based study and research training opportunities. Many programmes in the School of Education can be taken full- or part-time, with some having options for flexible distance learning.

Teacher Training

We have a long tradition of delivering PGCE primary and secondary courses which are rated as 'outstanding' by Ofsted. Our PGCE courses have now been renamed Postgraduate Diploma in Secondary Education (Qualified Teacher Status) and Postgraduate Diploma in Primary Education (PGCE Advanced) to reflect the higher level of credit we award for these programmes. The School also offers the MA Social Research – see page 202 for details.

Professional Development

We offer a broad range of post-experience and professional training courses from certificate to Masters-level study for people with an interest or working in education. Our professional development courses are designed to reflect work-based practice, while also benefiting from the internationally significant research that is inherent in our strong academic knowledge base. Designed for existing education practitioners, or those wishing to embark on a career in a new field, our Masters programmes are specifically developed to be sector-specific. Our Diploma and Certificate programmes offer a different entry level and may allow progression to a Masters qualification.

Our portfolio of programmes is based around the following key areas of focus within education including: disability, inclusion and special needs; professional education; and education and social justice. Please see our website for a full list of programmes available www.birmingham.ac.uk/students/courses/postgraduate/cpd

- FT** Full-time
PT Part-time
DL Distance Learning

Apply online see pages 66–69



Research programmes

We offer varied opportunities to undertake research programmes that will support the growth of research skills and build on subject knowledge. We provide comprehensive research training and opportunities to take part in regular research seminars where speakers present work at the forefront of current debates within the field. The interdependence of research with development and professional practice means that we welcome the contribution of research students to our academic community.

Careers prospects/employability

Whether you are at the start of your career in education or you are looking to develop in a new direction within education, our graduates are highly successful and obtain jobs or continue working within schools, colleges, local authorities, government departments, residential care, vocational or support and therapeutic services, community projects, sector-specific organisations and the third sector.

Duration of programmes

- PhD – 3 years full-time; 6 years part-time
- MPhil – 2 years full-time; 4 years part-time
- AppEd and Child PsychD – 3 years full-time
- EdD – 3 years full-time; 6 years part-time (although it may be possible to complete after 4 years part-time)
- PhD with Integrated Study – 4 years full-time, 8 years part-time
- MRes/MSc – 1 year full-time; 2 years part-time
- MEd/MA – 1 year full-time; 2–4 years part-time/distance learning
- Diploma – 1 year full-time; 2–4 years part-time/distance learning
- Certificate – 1 semester full-time; 1–2 years part-time/distance learning
- Postgraduate Diploma Secondary Education (Teacher Training via 13 subject routes) – 36 weeks; 72 weeks – Mathematics for non specialists: Postgraduate Diploma Secondary Education (Primary) – 36 weeks

Entry requirements

Please refer to the School webpage www.birmingham.ac.uk/education or visit our online prospectus (www.birmingham.ac.uk/students/courses/postgraduate); also see 'General entry requirements' on page 68.

English language requirements

Standard English language requirements apply (see page 68 for details).

Scholarships and studentships

For postgraduate studentships in Education, please visit our online prospectus at www.birmingham.ac.uk/students/courses/postgraduate and follow the links. UK/EU students can also request a *Sources of Finance* booklet. You can request a printed copy by emailing: financialsupport@bham.ac.uk

International students can find details of scholarships at www.birmingham.ac.uk/international/students/finance/scholarships/index.aspx

Fees

Fees in the School of Education vary – for the most up-to-date information please contact the School directly.

Starting dates

The majority of our programmes start in September each year. Contact the School directly for further information.

Learn more

www.birmingham.ac.uk/education

Initial Teacher Education, Teacher Training at Birmingham

The School of Education at the University of Birmingham has an established reputation for delivering PGCE Secondary and Primary courses. We believe we should provide student teachers with the highest level of teacher training possible, and this is why we have renamed our PGCE courses Postgraduate Diploma in Education to

Social Sciences

School of Education

reflect the higher level of credit we award. Based on the experiences of our successful PGCE graduates, teacher training at Birmingham has an excellent and proven track record. Our courses are rigorous and challenging, providing an excellent preparation for a successful career in teaching.

Our postgraduate diploma courses are assessed at Masters level – providing our students with the head start they need to set them apart from other graduates. On successful completion of our course you will be awarded 120 credits (many other university teacher training courses only award up to 60 credits at Masters level) and recommended for Qualified Teacher Status (QTS). For those students who successfully complete their induction year there is a further opportunity to transfer credits to the MEd course which is awarded on completion of a 60 credit dissertation (transfer is subject to a satisfactory reference from your University tutor and induction tutor).

Postgraduate Diploma Secondary Education (QTS) – via various subject routes

A 36-week programme including the following areas of study: subject-based teaching methods; school-based work, and whole-school issues. You will work with pupils from Key Stages 3 and 4 of the National Curriculum and with those in the 16-plus age group; from the very able to those with learning difficulties, and in a variety of settings. Main subject programmes are available in:

- English
- Geography
- History
- History and Citizenship
- Mathematics (a two-year route is also available for non specialists)
- Modern Foreign Languages (French, German, Spanish)
- Physical Education
- Physics with Mathematics
- Religious Education
- Science (Biology, Chemistry and Physics)

The PGDipEd (QTS) award is subject to completion of all areas of study, and to satisfactory assessment of professional studies via six modules, subject-based work and school practice.

You should have a degree or equivalent qualification in a relevant subject plus, on application, English Language and Mathematics at GCE O level, GCSE grade C or above, or CSE grade 1 or the equivalent. For the two-year Mathematics course it is expected, in addition to the above conditions, that you will normally have an A level in Mathematics, together with some Mathematics as part of your degree.

Contact: Yvonne Dwyer – +44 (0)121 414 5335;
y.r.dwyer@bham.ac.uk

Postgraduate Diploma Primary Education (PGCE Advanced) General Primary or Early Years

We are able to offer a choice of routes, so you can prepare as a teacher across the full 5–11 age range or specialise instead in early years teaching (3–7 age range). Both programmes last for 38 weeks; the equivalent of 24 of which will be spent in schools.

■ General Primary programme (5–11 years)

You follow courses that address the statutory curricula for the core and foundation subjects alongside Professional Studies.

■ Early Years programme (3–7 years)

You spend time in nursery classes, as well as teaching children of school age and follow the same courses as those on the General Primary programme, in addition to an advanced study of early years education.

School-based experiences are a central part of these programmes, with opportunities for you to experience a range of ages within different schools. Both programmes feature professional courses to help you plan, teach, and develop your classroom skills, and are designed to meet the standards of QTS. You should have a degree (preferably 2:1 or above) and need GCSE grade C or above, or the equivalent, in English Language, Mathematics and Science. Candidates must have a minimum of five days' teaching experience within a maintained primary school.

Contact: Mel Hardy – +44 (0)121 415 8360;
m.hardy@bham.ac.uk

FT Full-time
PT Part-time
DL Distance Learning

Apply online see pages 66–69

Postgraduate and Professional Development, taught programmes

Autism (Children) MEd/BPhil/Postgraduate Diploma/
 Postgraduate Certificate/Advanced Certificate

FT PT DL

Available as a taught course on campus (full-time or part-time) or as a distance education course, these programmes are designed for professionals working with children and young people on the autism spectrum, including Asperger syndrome: this might be the early years, in schools, residential care, or in advisory, support or therapeutic services. The programmes give you knowledge of the autism spectrum, based on theory, research and practice, and develop skills in identifying and meeting the needs of these children while improving your awareness of different approaches and models of service delivery, particularly in the area of education. The programmes are approved by the British Psychological Society (BPS) Continuing Professional Development Scheme.

Contact: Dr Glenys Jones – +44 (0)121 414 7102;
 g.e.jones@bham.ac.uk

Education for Health Professionals

MEd/Postgraduate Diploma/Postgraduate Certificate

PT

This suite of three-year long part-time programmes is for all health professionals involved in education and training. Each year is self-contained and a qualification is obtained after each year – ie, Postgraduate Certificate in Education (PGCert) in Year 1; Postgraduate Diploma (PGDip) in Year 2; and Masters (MEd) in Year 3.

Contact: +44 (0)121 414 4863; E4HP@contacts.bham.ac.uk

Inclusion and Special Educational Needs

MEd/MA/BPhil/Postgraduate Diploma/

Postgraduate Certificate/Advanced Certificate

FT PT DL

Available on a full-time, part-time or distance education basis, it is designed with two distinct groups of participants in mind: those who wish to study a range of campus-based modules relating to ISEN; and those on distance education modes who wish to combine modules from two programmes. The campus-based mode utilises lectures, seminars, tutorials, school visits, practical tasks and discussions. The distance education mode



utilises material for home study, tutorial and seminar groups, together with two residential weekends a year in Birmingham.

Contact: Dr Michele Pipe – +44 (0)121 414 4822;
 m.c.pipe@bham.ac.uk

International Studies in Education

MEd/MA/BPhil/Postgraduate Diploma/

Postgraduate Certificate/Advanced Certificate

FT PT

This programme is for people who are interested in an international and comparative perspective on educational issues. Four pathways are available:

- Management and Policy
- Intercultural Communication and Citizenship
- Education and Development
- Citizenship Education

This programme will be of interest to teachers, headteachers/principals, educational administrators etc, and those working in non-governmental organisations and international agencies.

Contact: Dr Michele Schweisfurth – +44 (0)121 414 4809;
 m.schweisfurth@bham.ac.uk

Management of Special Education in

Developing Countries MEd/BPhil/Diploma

FT PT

For teachers, administrators and non-governmental organisation staff who are working in special education in developing countries and who wish to develop their management or leadership expertise.

Contact: Postgraduate enquiries – +44 (0)121 414 4866;
 pgteducation-enquiries@contacts.bham.ac.uk

Professional Studies

MEd/MA/BPhil/Postgraduate Diploma/

Postgraduate Certificate/Advanced Certificate

FT

You can study a combination of modules towards a Professional Studies award to enable you to transfer and personalise your course to match your own study needs. Options are flexible, depending on factors such as student numbers, etc.

Contact: Dr Marion Bowl – +44 (0)121 414 4830;
 m.bowl.1@bham.ac.uk

Social Sciences

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Professional Studies (SENCO) Postgraduate Certificate **PT**

A part-time programme offered in partnership with local authorities in the West Midlands enabling SENCOs and aspiring SENCOs working in a range of settings to ensure that:

- School policies identify and meet the needs of pupils with diverse learning needs
- Resources for special educational needs are used efficiently
- Effective working relationships are developed with teaching and support staff in schools, with external agencies and parents
- Children and young people are involved in their own learning

It is based on the Teacher Development Agency's national standards for SENCOs and includes: managing the SEN Code of Practice; formulating, implementing and reviewing IEPs; advising colleagues on helping pupils with special needs to gain access to the curriculum, and contributing to the promotion of whole-school policies for inclusive education through effective strategic leadership.

Contact: Mr Christopher Robertson – +44 (0)121 414 4832;
c.m.robertson@bham.ac.uk

School Improvement and Educational Leadership

MA/Postgraduate Diploma, Postgraduate Certificate **FT PT**

This programme is designed for those aiming to make a difference in schools through leadership that is focused on learning. It is suitable for experienced teachers who are either middle or senior managers in their schools who are seeking postgraduate professional development in order to improve their own school's overall performance, or those teachers who want to consider these roles in the next few years. It may also be suitable for other educational professionals such as local authority educational advisers and consultants who seek to improve educational standards in their region, in line with new government policy.

Contact: Professor Peter Davies – +44 (0) 121 414 4820;
p.davies.1@bham.ac.uk

Special Educational Needs Co-ordination (National Award for Special Educational Needs Co-ordination)

Postgraduate Certificate **PT**

The programme is specific to the SENCO role and relevant to SENCOs working in mainstream schools and also of interest to teachers supporting pupils with special educational needs or disabilities. It is offered in two versions; the first of these is a partnership programme involving local authorities in the West Midlands and is taught on campus and in local authority venues (professional development centres). The second version is taught on campus and aimed at SENCOs who may not have an affiliation to one of our partnership local authorities.

Contact: Christopher Robertson – +44 (0)121 414 4832;
c.m.robertson@bham.ac.uk

Teaching English as a Foreign Language (TEFL)

MA/Postgraduate Diploma/Postgraduate Certificate/
Advanced Certificate **FT PT**

This programme is aimed at individuals with knowledge and understanding of current debates relevant to the teaching and learning of English as a Foreign Language. Some teaching experience is an advantage but not essential. The programme is designed both to be practical and to provide an introduction to key research tools. The three core modules are Second language learning; Communicative Language Teaching, Syllabus Design and Assessment; and Language, Discourse and Society. These give you a strong grounding in appropriate classroom methodology and course design with the opportunity to create your own teaching and learning materials. Other modules provide opportunities to visit British primary, secondary and language schools, and prepare you for your dissertation. You will also have the chance to participate in events organised by our research centre MOSAIC, such as conferences and popular seminar series with renowned international TEFL researchers. For more details, see www.birmingham.ac.uk/education

Contact: Dr Maggie Kubanyiova – +44 (0)121 414 8056;
m.kubanyiova@bham.ac.uk

For related programmes in TEFL/TESL, please see the Department of English entry on page 88.

FT Full-time
PT Part-time
DL Distance Learning

Apply online see pages 66–69



Distance learning programmes

Autism (Adults) MEd/BPhil/Postgraduate Diploma/
 Postgraduate Certificate/Advanced Certificate

DL

A distance education programme designed for practitioners working with adults across the autism spectrum within colleges, vocational support or therapeutic services. You can attend residential weekends at the University and join a tutor group with its own regional tutor. We provide online resources to support and network our students, so you are not working in isolation. You are introduced to latest research and current best practice, with a focus on issues that apply to the adult sector.

The course gives a broad coverage, encouraging you to evaluate your own practice.

Contact: Ms Andrea MacLeod – +44 (0)121 415 8442;
 a.g.macleod@bham.ac.uk

Autism (Children) MEd/Postgraduate Diploma/
 Postgraduate Certificate

FT PT DL

Available on campus (part-time/full-time) or by distance learning: see page 215 for details.

Bilingualism in Education MEd/Postgraduate Diploma/
 Postgraduate Certificate

DL

A distance education programme aimed at teachers and educational practitioners working in multilingual and multicultural schools. It aims to help you work more effectively with children and young people learning English as an additional or second language.

Contact: Dr Adrian Blackledge – +44 (0)121 414 8221;
 a.j.blackledge@bham.ac.uk

Inclusion and Special Educational Needs

MEd/MA/Postgraduate Diploma

FT PT DL

Available on a full-time, part-time or distance education basis: see page 215 for details.

Severe, Profound and Multiple Learning Difficulties

MEd/BPhil/PGDip/PGCert/AdCert

The Salt Review (2010) recommended increasing training for teachers of pupils with severe and profound learning difficulties and this programme was one of the first in the country to fulfil this skills gap.

Contact: Penny Lacey – +44 (0)121 414 4878;
 p.j.lacey@bham.ac.uk

Multisensory Impairment (Deafblindness)

MEd/BPhil/Postgraduate Diploma/Postgraduate
 Certificate/Advanced Certificate

DL

This programme enables teachers and other professionals working in education-related fields to work more effectively with learners who are deafblind (multisensory impaired). It provides an understanding of the effects and implications of dual sensory impairment; skills in assessment, monitoring and recording; knowledge of appropriate teaching approaches, and knowledge of multi-agency support systems.

Contact: Dr Liz Hodges – +44 (0)121 414 4873;
 e.m.hodges@bham.ac.uk

Social, Emotional and Behavioural Difficulties

MEd/MA/BPhil/Postgraduate Diploma/
 Postgraduate Certificate/Advanced Certificate

DL

A programme using the Training and Development Agency's competencies for core and expert standards for working with pupils experiencing social, emotional and behavioural difficulties. It provides a wider framework for understanding SEBD in an educational context; the skills and expertise required to meet pupils' needs, and utilises professional experience to promote good practice.

Contact: Neil Hall – +44 (0)121 414 4841;
 n.hall.1@bham.ac.uk

Speech and Language Difficulties

MEd/Postgraduate Diploma/Postgraduate Certificate

DL

We offer a distance education programme for teachers, speech/language therapists and other professionals working with children and young people with speech, language

Social Sciences

School of Education

and communication needs. It provides you with the knowledge and skills to plan and implement the curriculum, taking into account the speech, language and communication needs of the pupils. Study is carried out through online facilities, study packs and a residential component with a personal tutor and regional tutorial groups. Teaching is research-led, with the goal of developing reflective practice. In addition, we offer a 20-credit 'Introduction to Speech and Language Difficulties' module that can be taken as part of a campus-based Masters programme, providing an introduction to language disability and considering approaches to the assessment and management of children with speech and language needs.

Contact: Dr Deirdre Martin – +44 (0)121 414 4849;
d.m.martin@bham.ac.uk

Teachers of Children with Hearing Impairment

MEd/BPhil/Postgraduate Diploma

DL

This Training and Development Agency approved programme for training teachers of deaf children is offered on a two-year distance education basis. Successful completion of the programme leads to GTC recognition as a qualified teacher of the deaf for those who are already qualified to teach school-aged children in England.

Contact: Dr Linda Watson – +44 (0)121 414 4876;
l.m.watson@bham.ac.uk

Visual Impairment: Mandatory and Non-Mandatory Qualification for Teachers of Children with Visual Impairment

MEd/BPhil/Postgraduate Diploma

DL

A distance education programme for teachers with Qualified Teacher Status (QTS) working with children and young people with a visual impairment: teachers not working with pupils with a visual impairment may be required to undertake a negotiated programme of visits before starting the programme.

Contacts:

Dr Mike McLinden – +44 (0)121 414 4837;
m.t.mclinden@bham.ac.uk

Dr Steve McCall – +44 (0)121 414 4803;
s.mccall@bham.ac.uk

Combined research and taught professional doctorate programmes

Professional Training programme in Educational Psychology

Applied Educational and Child Psychology

AppEd and ChildPsyD

FT

This professional training programme in educational psychology is a full-time, campus-based course that prepares suitably qualified applicants to work as educational psychologists in England, Wales and Northern Ireland upon completion of their training. It leads to the award of Doctor of Applied Educational and Child Psychology. You should have a good Honours degree in Psychology and be eligible for the Graduate Basis for Chartered Membership of the British Psychological Society. Graduates from the programme are eligible for chartered status with the British Psychological Society and for registration as educational psychologists with the Health Professions Council.

Applications should be made to the Children's Workforce Development Council – see online (www.cwdcouncil.org.uk/educational-psychology) for details.

Contact: Mrs Beverley Burke, Programme Secretary –
+44 (0)121 414 4883; b.a.burke@bham.ac.uk

Applied Linguistics PhD with Integrated Study

FT PT

This is a cross-college programme between the College of Social Sciences and the College of Arts and Law and is designed for individuals wishing to develop advanced knowledge and skills in applied linguistics research and methods through a mixture of coursework and independent research with supervisory support. This programme is particularly suited to PhD applicants who require Masters-level research training.

Contacts:

Dr Maggie Kubanyiova – +44 (0)121 414 8056;
m.kubanyiova@bham.ac.uk

Helen Joinson – +44 (0)121 414 4847;
h.e.joinson@bham.ac.uk

FT Full-time
PT Part-time
DL Distance Learning

Apply online see pages 66–69



Leaders and Leadership in Education EdD

FT PT

A professional doctorate for those who carry, or wish to carry, senior or middle leader responsibilities in schools, colleges, universities or other professional educational contexts. You develop and research your special interests in the field, supported by a structured programme of research training. Modules explore senior leaders, middle leaders and deputies, and leadership for effectiveness and improvement.

Contact: Dr Christopher Rhodes – +44 (0)121 414 3805;
 c.p.rhodes@bham.ac.uk

Learning and Learning Contexts EdD

FT PT

This professional doctorate will be of interest to anyone who wants to enhance their critical understanding of contemporary learning theory and pedagogic practice. It is ideal for those wishing to and pursue research that can be applied to their own teaching and learning contexts. Subject modules explore the cultures and contexts of learning and theoretical perspectives on teaching and learning.

Contact: Helen Joinson – +44 (0)121 414 4847;
 h.e.joinson@bham.ac.uk

Other combined research and taught programmes

Education and Learning PhD with Integrated Study

FT PT

Developed to provide a new route to the internationally respected PhD, this programme incorporates subject knowledge, research training and the development of transferable skills. Successful completion of the programme requires the submission of an 80,000-word thesis and an oral examination.

Contact: Mrs Helen Joinson – +44 (0)121 414 4847/4879;
 h.e.joinson@bham.ac.uk

Educational Studies MRes

FT PT

A programme consisting of three modules of study together with a 20,000-word dissertation: the balance of work is made up of a 20-credit subject module and 40 credits of research methods. There are three subject pathways: Research in Mathematics Education; Research in Science Education, and Research in Dance Education. Alternatively, you may complete 60 credits of research methods training.

Contact: Mrs Helen Joinson – +44 (0)121 414 4847/4879;
 h.e.joinson@bham.ac.uk

Social Sciences

School of Education

FT	Full-time
PT	Part-time
DL	Distance Learning

[Apply online](#) see pages 66–69

Doctoral research programme

Education PhD

We have a national and international reputation as a centre of excellence and provide wide and varied opportunities for students to undertake research. The University is one of only 12 UK institutions to have been awarded 'Doctoral Training Centre' status by the Economic and Research Council (ESRC), the UK funding body for social sciences. Our academic expertise covers a broad range of disciplines grouped around:

- Disability, Inclusion and Special Needs
- Education and Social Justice
- Professional Education

Applying for PhD, MPhil and research

When making your application, you are required to submit a three-to-four page (A4) typed research proposal, which outlines the nature of your proposed study. This proposal will not be held as a final contract and may change in negotiation with your supervisor. However, it is an indication that you have the background ideas and knowledge to begin independent research in the broad area of your interest. It also enables us to send your application to appropriate members of staff for consideration. Further information is available from the Student Research Office.

Contact: Helen Joinson – +44 (0)121 414 4847/4879;
h.e.joinson@bham.ac.uk

Social Sciences

School of Government and Society

The School of Government and Society is one of the leading UK and international centres for governance, politics, international development, sociology, public management and European studies.

The School comprises the following core social science departments:

- Institute of Local Government Studies (INLOGOV)
- International Development Department (IDD)
- Political Science and International Studies (POLSIS) including the Institute of German Studies (IGS), and Sociology

We are a School with an emerging agenda based around a series of core research areas, including politics, ethnicity, international studies, security, religion and area studies. One of our core strengths is our mixture between interdisciplinary and single discipline departments. This goes hand in hand with a mixture of theoretical approaches and practical applications with direct links between researchers and practitioners at local, national and international levels.

The School has expertise that includes democratic governance; development; diplomacy; ethnicity; European studies; government policy making; international relations; local government; political economy; political theory and philosophy; politics; politics of gender; politics of the Asia-Pacific; public administration and management; Russian culture, and security and social exclusion.

The School has a diverse postgraduate student body ranging from recent graduates to established professionals in the public and commercial sectors, from the UK and overseas. This diversity contributes to the learning experience within the School and is an additional element that makes a positive difference to the teaching and learning environment.

The School of Government and Society contributes to an Economic and Social Research Council (ESRC) research training programme – the MA Social Research (see page 202). The University is one of only 12 UK institutions to have been awarded 'Doctoral Training Centre' status by

the ESRC, the UK funding body for social sciences. The new centre draws on expertise across the social sciences at Birmingham to deliver outstanding postgraduate training for more than 70 social scientists. The Centre will also reach out to staff, students, and policy makers beyond the University through its programme of short course research training opportunities.

Career prospects/employability

Graduates from the School have gone on to work in a range of careers, with recent graduates working with organisations such as the United Nations, Foreign and Commonwealth Office, local authorities in the UK and overseas and the Department for International Development. The School takes employability very seriously and as well as linking students to the central careers services, also incorporates opportunities to enhance their employment prospects, including highlighting work experience opportunities, encouraging volunteering in extracurricular projects (such as student seminars and events) and by inviting experienced speakers from the academic and non-academic backgrounds for students to meet.

Facilities

Departments from across the School are largely based within the refurbished Muirhead Tower on the University's main Edgbaston campus offering state-of-the-art teaching and research study facilities including free wifi throughout the building and dedicated study areas for postgraduate research students.

Pre-arrival support

The School undertakes a series of open days, applicant visit days and online events to make it easier for enquirers, applicants and offer-holders to make contact with our current students and staff. For details on upcoming events, please visit our website or contact the School directly. We will also keep in contact with you by email up until the point of enrolment, to ensure you are kept up-to-date with developments in the School/Department and to help prepare you for your forthcoming studies.

School website:

www.birmingham.ac.uk/govsoc

Social Sciences

School of Government and Society

RUSSIAN AND EAST EUROPEAN STUDIES

The Centre for Russian and East European Studies (CREES) was established in 1963 and is now an international centre of excellence in its field, recognised by securing external research funding from the ESRC, AHRC, the Leverhulme Trust and UK Government. CREES received the maximum ranking in previous Research Assessment Exercises (RAE) and in the most recent RAE (as part of the European Research Institute's submission) was placed second in the ranking of world leading research and fourth on the Grade Point Average measure in the European Studies unit of assessment. CREES is one of the core institutions in the national strategy for developing language based area studies through the Centre for East European Language Based Area Studies (CEELBAS) initiative.

Duration of programmes

- PhD – 3 years full-time; 6 years part-time
- MPhil – 2 years full-time; 4 years part-time
- MA/MSc – 1 year full-time; 2 years part-time

Entry requirements

See 'General entry requirements' on page 68 or email e.bradley@bham.ac.uk

English language requirements

Standard English language requirements apply (see page 68).

Scholarships and studentships

Please contact the Department directly or email financialsupport@bham.ac.uk

Fees and funding

Standard fees apply (see pages 62–63).

Starting dates

Programmes start in September 2013.

Learn more

www.birmingham.ac.uk/schools/government-society/departments/russian-east-european-studies

Taught programmes

Contemporary Russian and East European Studies MSc

FT PT

This programme is intended for those who are looking for an intensive and flexible Masters degree in Russian and East European Studies, which will prepare them for a wide range of career opportunities, for example in business, public service, consultancy and journalism. There is no compulsory language course for this degree, but you may choose to study an East European language as one of your options.

There is also a pathway that allows students on the MSc in Contemporary Russian and East European Studies degree to specialise in the study of the Caucasus and Central Asia. Further details on this degree pathway can be found on our website: www.birmingham.ac.uk/crees

Contact: Marea Arries – m.b.arries@bham.ac.uk

Russian and East European Studies MA

FT PT

This degree provides a multidisciplinary training in Russian and East European Studies, combining broadly based social science research training with specific training in Russian and East European Studies, including language proficiency. This programme is recognised by the ESRC for the one-year research training component of the '1+3' studentship programme, which leads to a PhD, but is also available to non-ESRC funded students. Students come to this programme from a variety of first-degree disciplines.

Contact: Marea Arries – m.b.arries@bham.ac.uk

FT Full-time
PT Part-time
DL Distance Learning

Apply online see pages 66–69



Doctoral Research programmes

Russian and East European Studies

PhD/MPhil/MA by Research

FT PT DL

You may enter the PhD programme either directly, or as a progression from the MA/MSc programme (CREES is an ESRC-recognised research training site and has also gained funding for researchers in History from the AHRC).

We offer postgraduate research supervision in the following fields:

- Russian and Soviet History
- Russian, Ukrainian and Central and East European politics
- Central and Eastern Europe and European integration
- Nationalism, identities and ethnic conflicts
- Economics of transformation, economic policy and regional economics of Russia
- Contemporary East European culture, media and society
- Caucasus and Central Asia: politics, international relations, society and religion

Research interests of staff can be found in our online prospectus at www.birmingham.ac.uk/students/courses/postgraduate

GERMAN STUDIES

The Institute for German Studies, funded by the German Academic Exchange Service and the University of Birmingham, was set up in 1994. Since then, it has established itself as the leading UK centre of excellence in the study of contemporary Germany. The Institute for German Studies is located within the Department of Political Science and International Studies (POLSIS).

It is an interdisciplinary institute, ranging across political science, international relations, economics and cultural studies, and is dedicated principally to research and postgraduate study. With around 15 registered research students, it is, outside Germany itself, one of the biggest centres for postgraduate research in its field in the world.

Postgraduate study

We accept postgraduates onto higher degree research programmes and onto our MRes programme, which is designed as preparation for doctoral research.

Duration of programmes

- PhD – 3 years full-time; 6 years part-time
- MPhil – 2 years full-time; 4 years part-time
- MRes – 1 year full-time; 2 years part-time

Entry requirements

See 'General entry requirements' on page 68 or contact the Department. We welcome applications from candidates with a relevant Masters and/or good undergraduate degree. While knowledge of the German language is not a prerequisite for entry, some level of competence or the potential to gain an adequate level of competence is desirable.

English language requirements

Standard English language requirements apply (see page 68).

Scholarships and studentships

The Institute offers a full scholarship for doctoral students, consisting of tuition fees at UK/EU level, plus a maintenance component in line with funding council rates. The scholarship is offered on a competitive basis; full details are available at www.birmingham.ac.uk/igs

Fees and funding

Standard fees apply (see pages 62–63).

Starting dates

Programmes start in September 2013.

Learn more

www.birmingham.ac.uk/igs

Social Sciences

School of Government and Society

Combined research and taught programmes

Contemporary German Studies MRes

FT PT

This programme is designed to prepare suitably qualified candidates for doctoral research. It comprises both taught and research elements, and includes:

- A dissertation of 20,000 words
- A core module on research methodologies in contemporary German Studies
- A subject-related option drawn from modules on Germany available in the MA in European Studies

Contact: Dr Andre Broome – +44 (0)121 415 8634;
a.j.broome@bham.ac.uk

Doctoral Research programmes

German Studies (Social Sciences) PhD/MPhil

FT PT

We can offer research degree supervision in all of our main research areas. These are:

- Germany in a comparative European context
- The politics and policies of unified Germany
- Transitional politics and the politics of memory
- German foreign and security policy
- Germany within the European Security System
- German literature, history and culture since 1600
- The role of Germany within the European Union
- Political parties in Germany and in a comparative context
- Political parties at the European level
- German gender politics
- Prisons and prisoner narratives
- Baader-Meinhof and West German terrorism
- EU external interventions
- EU counter-terrorism policies

Research interests of our staff include:

- German literature, history, and culture since 1600; prisons and prisoner narratives; narrative theory; Baader-Meinhof and West German terrorism; gender and culture

Contact: Sarah Colvin, Professor of Contemporary Germany – +44 (0)121 415 8627; s.colvin@bham.ac.uk

- Germany and the European Union; comparative party politics; parties at the EU level; Europeanization; EU politics

Contact: Isabelle Hertner Lecturer in German and European Politics and Society – +44 (0)121 414 8637;
i.hertner@bham.ac.uk

- German foreign and security policy; Germany's role in the European Common Foreign and Security Policy; EU external interventions; EU counter-terrorism policies

Contact: Felix Heiduk DAAD Lecturer – +44 (0)121 414 7184;
f.heiduk@bham.ac.uk

- Transitional justice in Germany and Eastern Europe; German unification; politics of memory and memorialisation; GDR cultural history and politics

Contact: Sara Jones Birmingham Fellow – +44 (0)121 414 7535;
s.jones.1@bham.ac.uk

LOCAL GOVERNMENT STUDIES

The Institute of Local Government Studies (INLOGOV) is the leading UK centre for the study of local public service management, policy and governance. Our staff come from various disciplinary backgrounds and are dedicated to increasing the democratic governance of local communities, working with politicians, managers, communities and partner organisations to enhance practice through academic insight.

We are engaged in policy and management research, continuing professional and management development and consultancy work for central government and other national and local agencies. Our contribution to post-experience education is particularly significant. We draw great strength from our close links with the world of practice in local government, the voluntary sector and other public service agencies, for example those of criminal justice.

Postgraduate study

We offer two types of research degree: the MPhil (two years full-time or four years part-time) and PhD (three years full-time or six years part-time). Both degrees are awarded on the basis

FT Full-time
PT Part-time
DL Distance Learning

Apply online see pages 66–69

of a submitted thesis, although modules in research methods and in relevant policy subjects are also normally taken during the period of registration. We welcome applications for part-time study as well as full-time.

We are particularly interested in receiving applications on topical issues in local governance, on the impact of public policy changes, on democratic participation and community involvement.

We have some 15 doctoral researchers each year (many with practitioner experience).

Duration of programmes

- PhD – 3 years full-time; 6 years part-time
- MPhil – 2 year full-time; 4 years part-time
- Postgraduate Diploma/Graduate Diploma/Certificate – 1 year full-time; 15–24 months part-time

Entry requirements

Contact the Department for more details.

English language requirements

Standard English language requirements apply (ie, at least IELTS 6.5 or equivalent – see page 68).

Scholarships and studentships

A limited number of scholarships are available each year. For further details please contact the Department directly.

Fees and funding

For the most up-to-date fees information contact the School directly (www.birmingham.ac.uk/inlogov).

Starting dates

Programmes start in September/October 2013 or April/May 2014. Some shorter programmes have alternative start dates.

Learn more

www.birmingham.ac.uk/inlogov



Taught programmes

Local Policy and Politics

MSc/Postgraduate Diploma/Postgraduate Certificate **FT PT**

This programme provides the opportunity for analysis and reflection on the developing policy agenda for local government and the challenges it raises, including how to ensure effective leadership and democratic governance of local communities, how to strengthen community engagement and build trust with citizens, how to improve the quality of life for local people and how to work effectively with other local agencies to make real and positive impacts. For the MSc and Diploma there are four compulsory modules. You also study any two specialist option modules of your choice. Those registered for the MSc are required to produce a dissertation. Certificate students study three modules, one of which is a compulsory module plus two others, at least one of which is also a core module from the MSc. Contact: Sarah Smith – +44 (0)121 414 8390; s.e.smith.2@bham.ac.uk

Managing Integration for Health and Wellbeing

MSc/Postgraduate Diploma/Postgraduate Certificate **FT PT**

Taught in collaboration with the Health Services Management Centre

This programme is intended for practitioners and managers involved in the management and development of partnerships within health and social care agencies.

Contact: Kate Vos, Graduate Programmes Manager – +44 (0)121 414 3174; c.j.vos@bham.ac.uk

Masters in Public Administration (MPA)

FT PT DL

The MPA will help you develop the qualities required for advancement in a public service career. It will provide you with a rigorous understanding of the key concepts and issues underpinning the practice of public administration internationally, along with the ability to critically analyse policies, structures and systems of public administration. You will also gain a thorough understanding of the processes of public policy

Social Sciences

School of Government and Society

and management, an understanding of how leadership works in a governmental context, and a critical understanding of public finance at international, national and sub-national levels. The MPA is ideal for candidates wishing to pursue careers in public policy, the strategic management in government organisations or public agencies, at local, regional, national or international levels.

Contacts:

Full-time enquiries:

Debra Beard – +44 (0)121 414 5034;

d.l.beard@bham.ac.uk

Dr Adrian Campbell – +44 (0)121 414 4973;

a.campbell@bham.ac.uk

Part-time enquiries:

Jasvinder Sihre – +44 (0)121 414 4975;

j.sihre@bham.ac.uk

Dr Peter Watt – +44 (0)121 414 4983;

p.w.watt@bham.ac.uk

Public Management MSc/Postgraduate Diploma/
Postgraduate Certificate

FT PT

Our Public Management programme is aimed at both experienced practitioners from public and voluntary sectors and those wishing to embark on a career in public service. This programme offers a choice between streams in Local Government; Criminal Justice; Social Care and Wellbeing, and Public Management in general. The structure of the programme, which aims to build knowledge, skills and confidence for careers in the public service, is an updated version of our market-leading MSc in Public Service Management.

Contact: Sarah Smith – +44 (0)121 414 8390;

s.e.smith.2@bham.ac.uk

Public Management

Postgraduate Certificate (weekend block study)

FT PT

Study for six weekends to gain the PGCert in Public Management with modules in Collaborative Strategy, Outcomes Performance and Resources, Public Management and Governance.

Contact: Sarah Smith – +44 (0)121 414 8390;

s.e.smith.2@bham.ac.uk

Public Service Commissioning

MSc/Postgraduate Diploma/Postgraduate Certificate

FT PT

*Taught in collaboration with the Health Services
Management Centre*

This programme is designed to develop participants' understanding of the politics, principles, evidence and skills associated with public service commissioning and how these interact across organisational boundaries. This programme is designed for senior managers and policy makers working in or with public commissioning organisations and those wishing to develop their careers in this direction.

Contact: Sarah Smith – +44 (0)121 414 8390;

s.e.smith.2@bham.ac.uk

Continuing professional development

Executive Management Development Programmes

INLOGOV also offers an exciting and innovative range of five-day and short programmes aimed at managers, professionals, elected members and other stakeholders in the democratic leadership of places and communities. Many of our advanced learning programmes can also be tailored to be delivered in-house and include the following:

- Commissioning and Contracting in Public Services
- Comparative Local Government
- Community Governance and Leadership
- Leadership for Social Care Outcomes
- Outcomes, Performances and Resources
- Oversight and Scrutiny
- Participation and Democracy
- Public Policy Research Methods
- Strategic Commissioning

Contact: Jeevan Shoker – +44 (0)121 414 4980;

g.shoker@bham.ac.uk

INLOGOV provides various seminars and conferences for local authorities and their partners. The majority of these seminars are now on an 'in authority' basis and we pride ourselves on being responsive to our client needs and

FT Full-time
PT Part-time
DL Distance Learning

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demands, and listening to their views. Details of our conferences and seminars are available via our website

www.birmingham.ac.uk/inlogov

Contact: Sue Platt – +44 (0)121 414 5002;

s.p.platt@bham.ac.uk

Combined research and taught programme

Local Government and Public Policy

PhD with Integrated Study

FT PT

While the traditional PhD requires you to engage entirely in research training, this programme enables you to gain added value from taught, subject-based modules. These allow you to broaden and deepen your subject knowledge at the same time as undertaking your own research and developing a set of transferable professional skills in preparation for a variety of careers. Your coursework will be taken in the MA Social Research programme, which provides you with a thorough and advanced education in social research design and the most up-to-date training in methods of data collection and analysis. The combination of core modules and short courses on more advanced topics provides flexibility to relate training to the thesis topic.

Contact: Dr Stephen Jeffares – +44 (0)121 415 1057;

s.r.jeffares@bham.ac.uk

Doctoral research programmes

Local Government Studies PhD/MPhil

FT PT

We offer supervision in a wide range of research areas from procurement and contracting to issues in criminal justice and current themes such as localism, the Big Society, public services reform and democratic engagement. We are particularly interested in receiving applications on the modernisation agenda, changing patterns of local governance, the impact of public policy changes, democracy, public participation and community involvement. For a full list of research interests of current staff visit www.birmingham.ac.uk/schools/government-society/departments/local-government-studies/staff

Contact: Dr Stephen Jeffares – +44 (0)121 415 1057;

s.r.jeffares@bham.ac.uk

INTERNATIONAL DEVELOPMENT

The work of the International Development Department (IDD) is focused on poverty reduction through effective governance systems. Governance is the foundation upon which a country's political stability, economic success, conflict resolution, efficient service delivery and basic human rights rest. IDD staff are experts in governance issues for development.

Facilities

All our programmes have a strong focus on practical work, enabling students to build practical skills for use in their careers. An overseas study or individual fieldwork trip is included in the course fee for on-campus postgraduate programmes. Our research is supported by a range of funders, especially ESRC, the UK Department for International Development (DFID), and other multilateral and bilateral aid agencies.

Postgraduate study

Recent IDD students have come from almost 100 different countries and bring many different perspectives to the classroom. Lecturers are involved in research, policy advice and consultancy and are funded by agencies such as the UK Department for International Development (DFID) and the UN, thus bringing comparative perspectives and real-world experience to their teaching.

IDD research students explore a wide variety of topics in international development and public management. We offer two types of research degree: MPhil and PhD. These research programmes offer the opportunity to pursue original research under the guidance of an academic supervisor within an active research environment. In addition, training in research methods is provided and a training plan is drawn up to suit each student.

Duration of programmes

- PhD – 3 years full-time
- PhD with Integrated Study – 4 years full-time
- MPhil – 2 years full-time
- MSc – 1 year full-time; 2 years part-time
- Diploma – 9 months full-time

Social Sciences

School of Government and Society

- Distance-learning MSc – 2–4 years part-time
- Distance-learning Postgraduate Diploma – 18 months–4 years part-time

Entry requirements

See 'General entry requirements' on page 68 or contact the department.

English language requirements

Standard English language requirements apply (see page 68).

Scholarships and studentships

IDD offers up to four bursaries up to the value of 50% of students' fees (whether EU or overseas).

Please contact the Department directly for more information +44 (0)121 414 5034 or visit the website.

Fees and funding

Contact the Department.

Starting dates

Programmes start in September 2013.

Learn more

www.birmingham.ac.uk/idd

Taught programmes

The contact for Taught programmes can be found on page 229.

Development Management MSc/Graduate Diploma FT PT

The programme is designed for those who want to improve their knowledge and skills in development management, from a wide range of sectors, including central and local government, NGOs and donors, and at the same time acquire an academic qualification. The programme enables you to engage with current debates in development management, such as the interaction and roles of different stakeholder groups, the nature of public management and measures of governance performance.

Development Management (Aid Management)

MSc/Graduate Diploma

FT PT

This programme provides a clear understanding of current issues and methods of analysis in aid management, as well as practical skills in aid management, against a background of analysis of the politics and economics of development. The programme includes subjects such as the reform of aid management, financial management and aid, conditionality, evaluating aid, the role of NGOs and the future of aid.

Development Management (Human Resources and Development Management) MSc/Graduate Diploma FT PT

This pathway addresses issues surrounding about the way we work now, in a rapidly changing global environment. You will investigate human resource management in the public and private sectors; adapting leadership and practice to the cultures of different countries; and how rapid global change encourages innovation in organisational leadership; and, how to motivate, inspire and develop the people we work with.

Development Management (Public Economic Management and Finance) MSc/Graduate Diploma FT PT

The PEMF specialism works from the macro down to sectoral and firm level in order to build the confidence of students as economists. This practical programme allows you to analyse practical cases, using real data as far as possible to provide excellent experience and develop required skills in public economic and finance management. The programme includes understanding the role of the state in managing the economy and public finances; managing monetary, exchange rate, fiscal, trade and environmental policy; budgeting, fiscal decentralisation and working with the private sector; and, designing, planning, financing and evaluating projects.

International Development

MSc/Postgraduate Diploma/Graduate Diploma

FT PT DL

This programme allows you to explore in depth the challenges facing developing and developed countries in the fight against global poverty, as well as to understand the promise and problems of proposed approaches to poverty reduction. Issues covered include: theories and history of development; changing approaches to poverty reduction; practical policy, programme and research skills.

FT Full-time
PT Part-time
DL Distance Learning

Apply online see pages 66–69



International Development (Conflict, Security and Development) MSc/Graduate Diploma

FT PT DL

This programme explores the issues of conflict, security and development from an interdisciplinary standpoint, combining the theoretical rigour of security studies and the practical experience of development. Issues examined include: dynamics and history of conflict in developing countries; theoretical approaches to understanding conflict; drivers of conflict; the relationship between global and local actors involved in conflict; security sector reform; implications of types of conflict for post-conflict reconstruction, and design and implementation of post-conflict development strategies.

International Development (Governance and State-building)

MSc/Graduate Diploma

FT PT

This programme explores the issues of governance, state-building and development from an interdisciplinary standpoint, encompassing issues such as accountability and transparency, corruption, conflict, political settlement, human rights, participation, access to justice, and democratisation. Governance and state-building are of particular interest to governments, non-governmental organisations and development agencies, as well as to a growing and vibrant academic community.

International Development (International Political Economy and Development) MSc/Graduate Diploma

FT PT

Offered in collaboration with the Department of Political Science and International Studies, this programme combines theoretical approaches to international political economy with practical experience of development to create a unique, multidisciplinary degree. Issues examined include: competing theories of political economy and political development; how theories of development link to development practice; different political systems and their histories; the complex relationship between political economy and development, including trade, financial systems, and aid; the impact of political systems and political actors on developmental success and failure, and the impact of the global, regional and national political economy on aid and donor policies.

International Development (Poverty, Inequality and Development) MSc/Graduate Diploma

FT PT DL

This programme enables you to study development with a specific focus on poverty and inequality, both key aspects of current development policy discourse. Issues examined include: definitions and indicators of poverty, inequality and development; causes of poverty and inequality; poverty reduction strategies; cross-cutting issues such as gender and conflict, and practical policy, programme and research skills.

International Development (Urban Development)

MSc/Graduate Diploma

FT PT

This programme, offered in collaboration with the Centre for Regional and Urban Studies (CURS), examines key issues in urban governance and management including regional and urban change; poverty reduction in urban centres; and analysis of urban governance, management and policy issues.

Contact for all above programmes: Debra Beard –
 +44 (0)121 414 5034; d.l.beard@bham.ac.uk

Masters in Public Administration (MPA)

FT PT

The MPA will help you develop the qualities required for advancement in a public service career. It will provide you with a rigorous understanding of the key concepts and issues underpinning the practice of public administration internationally, along with the ability to critically analyse policies, structures and systems of public administration. You will also gain a thorough understanding of the processes of public policy and management, an understanding of how leadership works in a governmental context, and a critical understanding of public finance at international, national and sub-national levels. The MPA is ideal for candidates wishing to pursue careers in public policy, the strategic management in government organisations or public agencies, at local, regional, national or international levels.

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Contacts:

Full-time enquiries:

Debra Beard – +44 (0)121 414 5034; d.l.beard@bham.ac.uk

Dr Adrian Campbell – +44 (0)121 414 4973;

a.campbell@bham.ac.uk

Part-time enquiries:

Dr Peter Watt – +44 (0)121 414 4983;

p.w.watt@bham.ac.uk

Distance-learning only programmes

Public Administration and Development

MSc/Postgraduate Diploma

DL

This programme provides public managers and administrators with the key skills they need to operate in the public sector in a developing or transitional country context. It explores:

- Current trends in public administration and governance
- Civil service reforms (working in partnerships, contracting etc)
- Leadership in public administration
- Policy making
- Public finance
- How to adapt public administration concepts to a variety of economic, institutional, geographic and cultural settings
- Communication and co-ordination in a global context

Offered through distance-learning, you study via a web-based learning environment, using textbooks and other printed materials, complemented by our extensive electronic library, and an online discussion board where you participate in guided discussion activities with other students and your tutor.

Contact: Linda J Curry – +44 (0)121 414 4969;

l.j.curry@bham.ac.uk

Please note that we also offer Distance Learning options in the following campus-based programmes –

- MSc/Postgraduate Diploma in International Development – see page 228
- MSc/Postgraduate Diploma in International Development (Conflict, Security and Development) – see page 229
- MSc/Postgraduate Diploma in International Development (Poverty, Inequality and Development) – see page 229

Continuing professional development

IDD has successfully provided workshops, seminars and tailored training for development professionals for nearly 40 years. Previous clients have included the British Council; the Department for International Development (DFID); the governments of South Africa, Bangladesh, Mozambique, Russia and Jordan; the German Aid Agency (GTZ), and the Asian Development Bank. We offer both off-the-shelf and tailored training to clients. IDD can offer tailored training courses in the following areas of interest:

- Human Resources Management
- Managing Contracting Partnerships and Regulation
- Participatory Development: Practice and Potential
- Mobilising Financial Resources for Decentralised Government
- Improving Financial Performance in Decentralised Government
- Improving Performance in Service Delivery
- Post-conflict Reconstruction
- Modern Public Expenditure Management
- Governance, Ethics and Anti-corruption Reforms
- Government Capacity and Partnerships
- Modernising Policy Making

These programmes can be modified to match any specific requirements.

Contact: Ann Bolstridge – +44 (0)121 414 4967;

a.bolstridge@bham.ac.uk

Combined research and taught programmes

International Development PhD with Integrated Study

FT

This programme combines the preparation of a thesis with research training, the acquisition of subject knowledge and the development of transferable skills through a programme of taught modules taken during the first two to three years of the programme. It prepares you for careers as professional educators or researchers, and for senior positions in public and private sector organisations.

Contact: Fiona Nunan – +44 (0)121 414 3061;

f.s.nunan@bham.ac.uk

- FT** Full-time
PT Part-time
DL Distance Learning

Apply online see pages 66–69



Doctoral research programmes

IDD research students explore a wide variety of topics in international development and public management. We offer two types of research degree: MPhil and PhD. These research programmes offer the opportunity to pursue original research under the guidance of an academic supervisor within an active research environment. In addition, training in research methods is provided and a training plan is drawn up to suit each student.

International Development PhD/MPhil

FT

Research areas include:

- Conflict and post-conflict reconstruction
- Natural resource governance, management and livelihoods
- Anti corruption and good governance
- Urban poverty and management
- Religion and development
- Participatory approaches
- Public sector management

For a full list of contact names by research area visit
www.birmingham.ac.uk/schools/government-society/departments/international-development/staff

Contact: Fiona Nunan – +44 (0)121 414 3061;
f.s.nunan@bham.ac.uk

POLITICAL SCIENCE AND INTERNATIONAL STUDIES

The Department of Political Science and International Studies (POLSIS) is one of the largest and best departments of its kind in the UK. It received the maximum score of 24 in the Teaching Quality Assessment and has enjoyed a consistently high place in the *Guardian* league tables (never outside the top ten) since they were first published in 2000. As well as research and taught courses, we offer a wide range of professionally oriented courses. You may opt for a general multidisciplinary approach or choose from a range of more specialised programmes with a more specific career orientation.

Postgraduate study

The Department has more than 50 PhD students working on a wide variety of research topics. Our students are at the core of our research culture, organising their own weekly research colloquium, setting research group agendas, participating in at the weekly Departmental Research Seminar, helping to organise conferences and workshops, and engaging in undergraduate teaching. In addition to the doctoral programme, the department has an immensely successful taught masters programme. Many of our postgraduate students are from overseas.

Duration of programmes

- PhD – 3 years full-time; 6 years part-time
- MPhil – 2 years full-time; 4 years part-time
- MA – 1 year full-time; 2 years part-time
- Diploma – 9 months full-time

Entry requirements

See 'General entry requirements' on page 68 or contact the Department.

English language requirements

Standard English language requirements apply (see page 68).

Scholarships and studentships

Please contact the Department directly or email
financialsupport@bham.ac.uk

Fees and funding

For the most up-to-date information on fees, please contact the School or department directly.

Starting dates

Programmes start in September 2013.

Learn more

www.birmingham.ac.uk/polsis

Social Sciences

School of Government and Society

Taught programmes

These MA programmes present opportunities for further advanced study to those with a formal background in political or international studies but also welcome candidates from other relevant academic fields who seek a new challenge.

European Studies MA/Diploma

FT PT

This programme offers you the opportunity to undertake intensive and specialised study of this exciting and increasingly significant regional project. You will be able to work with field experts in European integration, security, political economy, protest movements and political parties. You can also take advantage of the Institute for German Studies, housed in the POLSIS department, and join the week-long POLSIS study trip to Brussels in the Spring term, offering an inside view of EU institutions and NATO Headquarters.

International Development (International Political Economy and Development) MSc/Graduate Diploma

FT PT

Offered in collaboration with the International Development Department, this programme combines theoretical approaches to international political economy with practical experience of development to create a unique, multidisciplinary degree. Issues examined include: competing theories of political economy and political development; how theories of development link to development practice; different political systems and their histories; the complex relationship between political economy and development, including trade, financial systems, and aid; the impact of political systems and political actors on developmental success and failure, and the impact of the global, regional and national political economy on aid and donor policies.

International Relations MA/Diploma

FT PT

This programme offers a broad-based multidisciplinary approach to the study of International Relations with opportunities to specialise in one of several fields.

International Relations (Contemporary Asia Pacific)

MA/Diploma

FT PT

This programme is for students who want to gain an advanced knowledge of the main issues, problems and actors in the diverse region of East Asia today. It examines both the theory and practice of both international relations in this region.

International Relations (Diplomacy) MA/Diploma

FT PT

The 'Diplomacy' route of International Studies is for students wanting a clearer understanding of both the mechanisms of the dialogue between states and the instruments of statecraft commonly employed, and for students looking for a career in diplomacy.

By taking this programme you will acquire a clear understanding of the development, rationale, methodology and practice of diplomacy. You will learn about:

- The law and practice of diplomatic immunity
- The purpose of protocol
- The pitfalls of international summitry and the theory behind different approaches to negotiations

You will also learn about coercive diplomacy, argue the merits of economic sanctions, and debate the limits and successes of public diplomacy.

International Relations (Gender) MA/Diploma

FT PT

In seeking to 'gender' global politics, this programme explores the discipline of International Relations through the idea that gender matters to the structures, practices and theories of IR. Throughout, an awareness of specific issues relating to broader issues of sex and death in global politics, including rape as a weapon of war, genocide, peacekeeping and post-conflict reconstruction, will be sought and encouraged through committed and extended analysis of key texts and political practices.

FT Full-time
PT Part-time
DL Distance Learning

Apply online see pages 66–69



International Relations (Globalisation and Governance)

MA/Diploma

FT PT

International Relations (Global Economic Governance)

MA/Diploma

FT PT

International Relations (International Political Economy)

MA/Diploma

FT PT

These programmes are for students from all over the world who are interested in the problems, challenges and opportunities presented by globalisation. They are also suitable for students wanting to gain an advanced knowledge of the theories and practice of international political economy, from a range of different disciplinary and empirical perspectives. See our website for specific details of each pathway www.birmingham.ac.uk/students/courses/postgraduate

International Relations (International Peacekeeping)

MA/Diploma

FT PT

Peacekeeping plays a key role in the prevention of war, in bringing and end to conflict and in the post-conflict reconstruction process. This Masters degree explores International Peacekeeping in the broader context of International Relations.

International Relations (Research Methods) MA/Diploma

FT PT

Political Science (Research Methods) MA/Diploma

FT PT

These programmes are specialist courses designed for those students wishing to prepare for advanced research in international studies or political science. They allow you to select core modules from a list including Advanced Political Analysis and Principles of Social Science Research Methods, in addition to other research-based modules and your dissertation. The MA/Diploma in Political Science (Research Methods) is ESRC '1+3'-recognised.

International Relations (Terrorism and Political Violence)

MA/Diploma

FT PT

Concerns about terrorism and other forms of politically oriented violence are increasingly found in public and academic debate. This programme explores the sources and consequences of political violence and terrorism, as well as the crucial ethical questions involved. It will appeal to students interested in careers in foreign service, security, some non-governmental or inter-governmental organisations, and many areas of the private sector.

International Relations (Security) MA/Diploma

FT PT

This programme will appeal to a wide range of students who have an interest in security issues and practices, including civilian and military officials who want to deepen their understanding and upgrade their qualifications. You will develop an understanding of the core concepts that inform the study and practice of security.

International Relations (Strategic Studies

in the Age of Terror) MA/Diploma

FT PT

This programme will appeal to a wide range of students who have an interest in security issues and practices, including civilian and military officials (most probably junior or mid-level officials), who want to deepen their understanding and upgrade their qualifications. It will also be of interest to students who seek to develop a deeper understanding of these very important aspects of international relations and of the world we live in. You can expect to gain an understanding of the wide-ranging nature of security studies, an appreciation of the historical importance of security issues, and an insight into future problems and debates that will affect the stability of the 21st-century world order.

Political Science MA/Diploma

FT PT

This MA is a general programme providing access to all the main intellectual strands of contemporary political science. Its core module is Advanced Political Analysis and you have the option to choose additional modules from, for example, Introduction to Social Research, and Advanced Qualitative Research Methods.

Political Science (British Politics and the State)

MA/Diploma

FT PT

Drawing on extensive staff expertise in the area of British political economy, and offering students a range of options to complement their core studies of British Politics and the State, this programme provides excellent preparation for further academic research or a career in government, a range of related private-sector areas, and many kinds of non-governmental organisations.

Social Sciences

School of Government and Society

Political Theory MA/Diploma

This programme aims to investigate the central problems of modern political theory, looking at some of the most important contemporary political thinkers, problems of analysis in political philosophy, and debates about the history of political thought.

FT PT

Social and Political Theory MA

With this programme you are able to explore critically the development of social and political theory and the key current debates. The sociological component of this degree is run by the Social Theory research cluster with strengths in critical theory, postmodernism, social movements and philosophy of the social sciences.

FT

Contact for taught programmes: Elizabeth Bradley – +44 (0)121 414 3497; e.bradley@bham.ac.uk

Doctoral research programmes

European Research PhD/MPhil

FT PT

Our overall aim is to gain a fuller understanding of the processes of change that are shaping Europe, as a former communist and still fragmented East and a more tightly integrated West engage increasingly intensively with each other. Our research activities are focused on, but not confined to, the following key areas:

- East meets West
- Organising Europe
- Comparative governance
- Changing notions of citizenship in Europe

Political Science and International Studies PhD/MPhil FT PT

We are able to supervise a wide range of topics, in line with the research interests of our teaching staff:

■ Asia

Contact: Dr Julie Gilson – j.a.gilson@bham.ac.uk

■ Diplomatic Studies

Contact: Dr David Dunn – d.h.dunn@bham.ac.uk

■ European Politics

Contact: Dr David Bailey – d.j.bailey@bham.ac.uk

■ International Relations Theory

Contact: Dr Jill Steans – j.a.steans@bham.ac.uk

■ Political Economy

Contact: Dr Jill Steans – j.a.steans@bham.ac.uk

■ Political Theory

Contact: Dr Steve Buckler – n.e.buckler@bham.ac.uk

■ Security Studies

Contact: Professor Stefan Wolff – s.wolff@bham.ac.uk

■ Political Sociology

Contact: Dr Stephen Bates – s.r.bates@bham.ac.uk

For a full list of research interests of current staff visit

www.birmingham.ac.uk/schools/government-society/departments/political-science-international-studies/staff

Contact: Adam Quinn – +44 (0)121 414 5313; a.j.quinn@bham.ac.uk

SOCIOLOGY

Sociology at Birmingham has a long history. We have an excellent reputation with a diverse postgraduate community with many of our postgraduate students coming from overseas to study in Birmingham. We also contribute to the intercollege MA in Social Research (see page 202).

Facilities

There are currently seven full-time staff members and two research fellows in the department. There are two main areas of expertise:

- Social theory
- Political sociology

FT Full-time
PT Part-time
DL Distance Learning

Apply online see pages 66–69



Postgraduate study

We offer two Masters programmes as well as doctoral research programmes. In addition to the expertise of our staff, we have very close links with other departments and research units in the College of Social Sciences, allowing us to meet the needs of most research students, whom we support in all stages of their work. If you join us, you will find a very friendly, intellectually stimulating and academically supportive research environment.

We run a successful Sociology seminar series and often host half-day themed symposia inviting scholars of national and international standing to discuss their current research. Postgraduate students run their own 'brown-bag' seminar where they present papers on their own work in progress.

Duration of programmes

- PhD – 3 years full-time; 6 years part-time
- MPhil – 2 years full-time; 4 years part-time
- MA – 1 year full-time; 2 years part-time

Entry requirements

See 'General entry requirements' on page 68 or contact the Department.

English language requirements

Standard English language requirements apply (see page 68).

Scholarships and studentships

Please contact the Department directly or email financialsupport@bham.ac.uk

Fees and funding

Standard fees apply (see pages 62–63).

Starting dates

Programmes start in September/October 2013.

Learn more

www.birmingham.ac.uk/sociology

Taught programmes

Social and Political Theory MA

FT PT

This is a distinctive MA programme taught by specialists from the Social and Political Theory Research Group in the School of Government and Society. It offers an exciting range of modules dealing with topics of perennial interest together with topics of contemporary relevance. Topics studied can include debates about religious and cultural diversity and conflict, third wave feminism and post-feminism, critical theory and criticism after Marx, the relationship of philosophy to social and political enquiry and criticism, and the study of democracy.

Social Research (Sociology) MA

FT PT

This programme is recognised by the ESRC as a research training programme designed to provide participants with a sound background in overall research design and the most up-to-date training in methods and data collection analysis. The core elements of this programme are delivered by staff from across the College of Social Sciences, many of them engaged in cutting-edge research in their own fields. In addition to the research training modules, students will work with a supervisor from the Sociology Group to write a 14,000-word dissertation. Contact for all taught programmes: The Graduate School Secretary – +44 (0)121 414 3497; e.bradley@bham.ac.uk

Doctoral research programmes

Sociology PhD/MPhil

FT PT

Our PhD programmes offer you a combination of taught courses in the first year and careful supervision throughout your study, with the aim of helping you to produce a thesis that makes a significant and original contribution to the discipline. We take care to match you with a suitable supervisor, and welcome applications to work in a wide variety of areas. Joint supervision, both between staff within the Department, and with staff in other departments, is possible in some cases. All research students have regular meetings with their supervisors. PhD students also have annual panel meetings to support and review progress. We encourage you to give conference papers and to publish your work.

Contact: Adam Quinn – +44 (0)121 414 5313;
a.j.quinn@bham.ac.uk

Social Sciences

School of Social Policy

The School of Social Policy is one of the leading centres for applied social policy in the UK. The School focuses in particular on four key research themes:

- Families, communities and social justice
- Health and social care
- Wealth, welfare and well-being
- Third Sector

Above all, the School of Social Policy is committed to spanning the divide between academia and practice, and to applying its research through teaching, publications, consultancy and policy advice.

As part of this mission, the School runs what is believed to be the oldest, continually running social work training course in the country, which celebrated its centenary in 2008. It also offers a range of undergraduate, postgraduate taught and research programmes, as well as continuing professional and management development opportunities.

The School of Social Policy comprises:

- Health Services Management Centre (HSMC)
- Institute of Applied Social Studies (IASS)

The School of Social Policy contributes to an Economic and Social Research Council (ESRC) research training programme; the MA Social Research (see page 202). The University is one of only 12 UK institutions to have been awarded 'Doctoral Training Centre' status by the ESRC, the UK funding body for social sciences. The new centre draws on expertise across the social sciences at Birmingham to deliver outstanding postgraduate training for more than 70 social scientists. The Centre will also reach out to staff, students, and policy makers beyond the University through its programme of short course research training opportunities.

Facilities

The IASS is largely based within the refurbished Muirhead Tower on the University's main Edgbaston campus, offering state-of-the-art teaching and research study facilities. Staff and students

from the HSMC are based in Park House – located close to the heart of the campus with fully-equipped library and information services, comfortable teaching rooms, restaurant, IT/internet services and onsite administration.

Pre-arrival support

The School undertakes a series of open days, applicant visit days and online events to make it easier for enquirers, applicants and offer-holders to make contact with our current students and staff. For details on upcoming events, please visit our website or contact the School directly. We will also keep in contact with you by email up until the point of enrolment, to ensure you are kept up-to-date with developments in the School/Department and to help prepare you for your forthcoming studies.

Career prospects/employability

Graduates from the School have gone on to pursue careers in a variety of fields, working with the National Health Service, private health service providers, for local authorities in the areas of social work, housing, adult services and also pursued careers in academia and research.

APPLIED SOCIAL STUDIES

The Institute of Applied Social Studies has close links with the other main disciplines in the College of Social Sciences as well as in the colleges of Arts and Law, and Life and Environmental Sciences. The Institute's research and teaching interests range widely across the fields of social policy, social care and health and professional practice. We have well-established links with social care and health agencies in the Midlands and with community, user and voluntary organisations regionally, nationally and internationally.

Our breadth of interest is reflected in the facilities for graduate research supervision and the range of programmes offered at postgraduate level. Our research programmes are recognised by the ESRC and regular postgraduate seminars are offered. There are specialist research training courses to support both research and taught postgraduate students.

- FT** Full-time
PT Part-time
DL Distance Learning

Apply online see pages 66–69



Postgraduate study

We have been providing social work education since 1908, when one of the first Diplomas in Social Studies in the UK was established at the University, and celebrated our centenary in 2008. The Institute has developed a reputation for delivering high-quality teaching and learning which enables students to develop into reflective and research informed professionals.

Duration of programmes

- PhD – 3 years full-time; 6 years part-time
- MA by Research – 1 year full-time; 2 years part-time
- MA – 1 or 2 years full-time; 2 years part-time
- Diploma/Certificate – 9 months full-time; 18 months part-time

Entry requirements

See 'General entry requirements' on page 68 or contact the Institute.

- SocScD – those applying for the SocScD are usually expected to have a relevant professional qualification and three years' experience.
- MA/Diploma in Social Policy, New Migration and Social Policy, Social Research, and Policy into Practice – a good Honours degree or equivalent is normally required. This will usually be in a social science, although applications from those with degrees in other disciplines will be considered. Applications are also encouraged from those without an Honours degree who have five years or more relevant work experience in a policy or practice area.
- Social Work and professional post-qualifying programmes –

Contact the Institute for more information.

English language requirements

Standard English language requirements apply (see page 68).

Scholarships and studentships

Please contact the Department directly or email financialsupport@bham.ac.uk

Fees and funding

Standard fees apply (see pages 62–63); except:

- Social Work MA. For the latest information on fees and funding please contact the School directly.

Starting dates

Programmes start in September 2013.

Learn more

www.birmingham.ac.uk/social-policy

Contact: Mrs Pat Wright – p.wright@bham.ac.uk

Taught programmes

Leadership and Management for Social Care

MA/Postgraduate Diploma

PT

Leadership and Management for Social Work

MA/Postgraduate Diploma and PQ (Higher Specialist) Award **PT**

These programmes are designed for the further development of those holding a management or other leadership role in a Social Care or Social Work setting (who may or may not be eligible for a Post Qualifying Award in Social Work). They are relevant to those providing leadership in relation to practice education as well as service delivery. Areas studied include skills and knowledge for managing diversity; leading for quality assurance; organisational change; managing partnerships; coaching; managing reflectively and leading learning processes.

Contact: Hanna Wride – +44 (0)121 415 8024;

h.j.wride@bham.ac.uk

Policy into Practice MA/Diploma /PGCert

FT PT

The study of Policy into Practice concerns the development and nature of government interventions aimed at ensuring the welfare needs of their populations are met, and the ways those interventions are put into effect. Starting from an examination of UK social policy, the programme widens out to examine the experience and challenges facing other countries.

Contact: Ms Pat Wright – +44 (0)121 414 8029;

p.m.wright@bham.ac.uk

Social Sciences

School of Social Policy

Policy into Practice (with Integrated Placement) MA FT PT

This programme has been designed primarily for international students who are government officers with work experience in social policy areas. It starts from an examination of UK social policy, with opportunities to examine the experience and challenges facing other countries, as well as studying UK social policy in depth. Students also have the opportunity to take a work-based placement within one or more public, private or third sector organisations in the West Midlands area.

Contact: Ms Pat Wright – +44 (0)121 414 8029;
p.m.wright@bham.ac.uk

New Migration and Social Policy MA FT PT

This programme explores the social, economic and political effects of the new era of migration and consequent emerging superdiversity. It analyses the multiple variables displayed by different migrants in terms of age and gender profiles, as well as immigration status, and associated rights and entitlements. Taking an applied approach, the programme will help you to learn how to access data sources and undertake research in ways that can address the challenges of understanding the nature of superdiverse populations, the needs of superdiverse communities and how they might be met.

Contact: Ms Pat Wright – +44 (0)121 414 8029;
p.m.wright@bham.ac.uk

Social Policy MA/Diploma FT PT

This programme introduces you to the study of social policy and to the recent, current and future political, economic and demographic context of policy-making. It is particularly suitable if you have a first degree in another discipline and are seeking a move into the area of social policy. It is also suitable for international students with experience in social policy, welfare and care areas in their own country.

The MA includes assessed modules (120 credits) and the completion of a 10,000-word dissertation (60 credits), while the Postgraduate Diploma includes assessed modules (120 credits).

Contact: Ms Pat Wright – +44 (0)121 414 5708;
p.m.wright@bham.ac.uk

Social Research (Social Work and Professional Practice) MA/Diploma FT PT

These programmes are recognised by the ESRC as a research training programme and as the first part of a '1+3' ESRC studentship. They are suitable for those seeking an academic or other career in social research, and focus on the theories and philosophy of social research, methods and skills, and the use of research in the study, development and evaluation of social policy.

The MA includes assessed courses (120 credits) and the completion of a 10,000-word dissertation (60 credits), while the Postgraduate Diploma includes assessed courses (120 credits).

Contact: Ms Pat Wright – +44 (0)121 414 5708;
p.m.wright@bham.ac.uk

Social Work MA FT

This two-year programme offers the opportunity to apply the academic approaches of social science to social work, and leads both to a professional qualification in social work and an academic award of MA (on completion of a dissertation). It is therefore suitable for those with a BA degree in the social sciences or in other disciplines (such as arts and humanities), which may also provide an appropriate foundation. In addition to academic study, students will also undertake two assessed practice placements and have the opportunity to specialise in a particular field of practice in their final year.

Applications for this course are made via UCAS
www.ucas.com (UCAS code: L502).

Contacts:

Kate Ward – +44 (0)121 414 6467; k.ward@bham.ac.uk

Wendy Banner – +44 (0)121 414 5719; w.banner@bham.ac.uk

Social Research (Social Policy) MA/Diploma FT PT

Within the public sector, there is an increasing emphasis on evidence-based policy making and on the critical review of policy making and its impacts. This programme will provide you with the skills to make a real difference in this area. It offers you a rigorous and systematic social research training, an opportunity to apply

FT Full-time
PT Part-time
DL Distance Learning

Apply online see pages 66–69



this to your particular area of policy (or practice) interest and the opportunity to study relevant aspects of policy and practice in more depth.

This programme is recognised by the ESRC as a research training programme designed to provide participants with a sound background in overall research design and the opportunity to apply these to your particular areas of policy interest. The core elements of this programme are delivered by staff from across the College of Social Sciences, many of them engaged in cutting-edge research in their particular fields.

The MA programme includes assessed core modules and short courses (120 credits) and the completion of a 10,000-word dissertation (60 credits), while the Postgraduate Diploma includes the assessed courses only (120 credits).

Contact: Ms Pat Wright – +44 (0)121 414 5708;
 p.m.wright@bham.ac.uk

Combined research and taught programme

Applied Social Research SocScD

FT PT

This doctorate is designed for those who are involved in the practical aspects of social policy and practice in a wide range of settings including government, voluntary organisations, community-based projects, education, social care, health care, probation and user groups, as paid workers or volunteers.

It is of interest to policy-makers, social workers, probation officers, nurses, occupational therapists, clergy, police and others. It aims to develop critical reflection on participants' policy, practice and organisational contexts, applied social research skills, and an ability to carry out and apply original research. The programme comprises research training, a 40,000-word thesis demonstrating original work, and a critical reflection on the outcomes of the research.

Contact: Dr Harriet Clarke – +44 (0)121 414 8479;
 h.clarke@bham.ac.uk

Doctoral research programmes

Social Policy PhD/MA by Research

FT PT

Research areas include:

- Communities, families and justice
- Wealth, welfare and well-being
- CHASM – Centre on Household Assets and Savings Management
- Health and social care
- Third Sector
- Migration, faith and ethnicity

For a full list of research interests of staff, including contact details, contact the Institute or visit www.birmingham.ac.uk/schools/social-policy/departments/applied-social-studies/staff

HEALTH SERVICES MANAGEMENT

The Health Services Management Centre (HSMC) has a wide range of research, teaching and consultancy activities directed towards increasing the effectiveness of health care services, both in the National Health Service (NHS) and internationally. We have a strong research record and our staff publish widely in both academic and healthcare-related journals.

Distinctive features of HSMC's work and reputation have been its recognition of the interdependence between research, teaching and consultancy; its dual expertise on process and content when working with health and social services; and its emphasis on providing research-based policy analysis, development and teaching to the health and social care community.

Facilities

The HSMC library collection on non-clinical aspects of health care consists of around 10,000 books, reports, pamphlets, 200 current journal titles, and Department of Health Circulars from 1947 (those published from 1997 are available via the Department of Health website). We subscribe to around 100 journal titles, focused on health care policy and management

Social Sciences

School of Social Policy

in the UK and internationally. Current issues are on display at the library for reference, whilst back copies are shelved separately. Some titles are also available electronically. A separate section for e-journals is available from the e-journals link on our library website. The library also contains a collection of DVDs as well as holding online resources which can be accessed by students.

Postgraduate study

Research forms the foundation of HSMC's work and in our research we strive for the dual goals of rigour and relevance. This means that our research is conducted to high intellectual standards but is not 'ivory tower'. Our current research interests include commissioning, leadership, health and social care partnerships and long term conditions.

We offer two types of research degree: MPhil and PhD.

Both may be taken either by full- or part-time study. Prospective applicants for research degrees in any aspect of health service management and health care policy are invited to apply, outlining their special interests. As part of their application, candidates will need to submit an outline proposal of their research topic.

Contact: Kate Vos, Postgraduate Programmes Manager – +44 (0)121 414 3174; c.j.vos@bham.ac.uk

Detailed enquiries should be made to: Dr Tim Freeman, Research Students Co-ordinator – +44 (0)121 414 3213; t.freeman@bham.ac.uk

Duration of programmes

- PhD – 3 years full-time; 6 years part-time
- MPhil – 2 years full-time; 4 years part-time
- Diploma/Certificate – 9 months full-time; 21 months part-time

Entry requirements

See 'General entry requirements' on page 68 or contact the Department.

English language requirements

Standard English language requirements apply (see page 68).

Scholarships and studentships

Please contact the Department directly or email financialsupport@bham.ac.uk

Fees and funding

Contact the Department.

Starting dates

Programmes start in September 2013.

Learn more

www.birmingham.ac.uk/hsmc

Taught programmes

Health Care Policy and Management MSc

FT PT

This MSc provides both theoretical frameworks and practical tools that can be applied to health systems in the UK and overseas, designed for senior managers, clinicians and policy makers working in or with healthcare organisations, or with an interest in developing their careers in this direction. This programme is available with optional specialisms in:

- Commissioning
- Quality and Service Improvement

The Health Care Policy and Management programme consists of four core modules and you also study two further 20-credit modules chosen from a wide range offered within HSMC and the University. A 10,000-word dissertation on an agreed topic in the area of health care policy and management is required for the completion of this MSc.

Contact: Kate Vos, Postgraduate Programmes Manager – +44 (0)121 414 3174; c.j.vos@bham.ac.uk

Leading Public Service Change and Organisational Development MSc

FT PT

For anyone involved in the delivery of public services, the drive for continuous improvement is the only constant. This is an intensive and innovative programme of developmental education and is

FT Full-time
PT Part-time
DL Distance Learning

Apply online see pages 66–69



designed to meet this challenge. The programme will provide you with knowledge and critical understanding of leading and managing public service change, equip you with the practical skills for intervening in groups, organisations and more complex systems, and will support your professional development to enhance your impact and effectiveness as an organisational development and change practitioner. It will also enable you to effectively lead and implement change within your own public services.

The programme is jointly delivered by the University of Birmingham and the Tavistock Institute.

Contact: Tracey Gray, Executive Programmes Manager – +44 (0)121 414 3176; t.gray@bham.ac.uk

Leadership for Health Services Improvement MSc **PT**

This part-time programme responds to the contemporary political agenda by developing leadership skills within the context of improving health services. It explores the theory, principles and practice of leadership and service improvement in health-related organisations with exploration of key issues relating to the individual, the organisation and the client. It includes a focus on personal development and action learning.

Contact: Kate Vos, Postgraduate Programmes Manager – +44 (0)121 414 3174; c.j.vos@bham.ac.uk

Managing Integration for Health and Wellbeing

MSc/Postgraduate Diploma/Certificate

Taught in collaboration with the Institute of Local Government Studies (see page 225)

This programme is intended for practitioners and managers involved in the management and development of partnerships within health and social care agencies. The programme consists of four core modules and you also select two options from a range of modules offered by the HSMC and INLOGOV (or the University in consultation with the programme tutors).

Contact: Kate Vos, Postgraduate Programmes Manager – +44 (0)121 414 3174; c.j.vos@bham.ac.uk

Public Service Commissioning

MSc/Graduate Diploma/Certificate

FT PT

Taught in collaboration with the Institute of Local Government Studies (see page 226)

The first course of its kind in the UK, this MSc is aimed at developing your understanding of the politics, principles, evidence and skills associated with public service commissioning and how these interact across organisational boundaries. It is designed for senior managers and policy-makers working in or with public commissioning organisations or with an interest in developing their careers in this direction. It is offered on a full-time (one year) or part-time (two year) basis.

MSc participants study four core modules plus one sector-specific module from outside the participant's own area of practice, plus any one other option module and a 10,000-word dissertation. Diploma participants follow the same module choices as their MSc colleagues but are exempt from the dissertation element. Certificate participants study at least two of the core modules plus one further module of their choice.

Contact: Sarah Smith – +44 (0)121 414 8390; s.e.smith.2@bham.ac.uk

Doctoral research programmes

Health Services Management PhD/MPhil

FT PT

We offer the opportunity for research in a wide variety of topics relating to health service policy and management, including:

- Leadership and organisational development
- Patient experience and public involvement
- Partnerships, collaboration and integration
- Clinical and strategic commissioning
- Quality and innovation in service provision

For a complete list of research interests of staff with contact details, visit www.birmingham.ac.uk/hsmc

Detailed enquiries should be made to:

Contact: Ms Pat Wright – +44 (0)121 414 5708; p.m.wright@bham.ac.uk

Programmes in collaboration with other organisations

Programmes in collaboration with other organisations

University College Birmingham

University College Birmingham is a higher education institution accredited by the University, delivering programmes that lead to the award of University of Birmingham postgraduate qualifications in the fields of:

- **Business and Marketing**
- **Childhood and Education**
- **Hospitality, Food and Events Management**
- **Tourism**

Details of the associated programmes may be obtained through the College's website www.ucb.ac.uk

Parkview Clinic

Parkview Clinic (part of the Birmingham Children's Hospital NHS Foundation Trust) delivers postgraduate degree programmes that are validated by the University of Birmingham:

- **Systemic Therapy**
MA/Postgraduate Diploma

For further details about this programme, please contact:

Mr J Burnham
Parkview Clinic
60 Queensbridge Road
Moseley
Birmingham
B13 8QE
Tel: +44 (0)121 243 2000

How to find us

BIRMINGHAM IS AT THE HEART OF THE UK'S ROAD AND RAIL NETWORK, AND IS EASILY ACCESSIBLE FROM OTHER PARTS OF THE COUNTRY AND BEYOND. **THE UNIVERSITY'S MAIN CAMPUS IS A MAJOR LANDMARK IN BIRMINGHAM.**

The University is committed to reducing its impact on the environment and has a Sustainable Travel Plan containing a series of initiatives to encourage all members of the University community to walk, cycle, car share or use public transport to travel where possible. For information on the travel options available to you please visit www.birmingham.ac.uk/contact/directions

By road

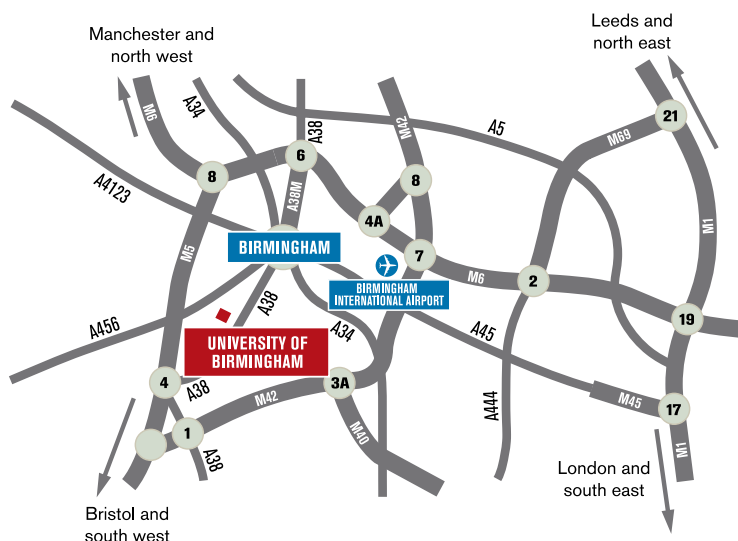
Birmingham's central location makes it easy to get here by car. Simply pop our postcode 'B15 2TT' into your sat nav or route planner for step-by-step directions.

By rail

We are the only mainland UK university to have its own railway station. Most cross-country services arrive at Birmingham New Street station in the city centre. Up to six trains an hour depart for the University on the cross-city line (final destination Longbridge or Redditch). The centre of the main campus is a five-minute walk from University station.

By coach

There are frequent express coach services to Birmingham from London's Heathrow and Gatwick airports and many UK cities. The long-distance coach station is in Digbeth in the city centre.



By bus

There are frequent services from the city centre to the University's Edgbaston and Selly Oak campuses. You can find bus timetables and departure point information at www.travelwm.co.uk

By taxi

There are taxi ranks at Birmingham New Street station and throughout the city centre. The journey to the University takes about ten minutes.



By air

Birmingham Airport has direct flights from locations in the UK, as well as from the USA, Canada, Europe and the Middle East. The journey by taxi from the airport to the University takes approximately half an hour. A free air–rail link runs from the airport to Birmingham International railway station every two minutes and connects with frequent services to Birmingham New Street station. If you are arriving at a London airport, there is a frequent train service from London Euston railway station to Birmingham New Street station.

- From Heathrow Airport, take the Heathrow Express train to Paddington station and then the Underground or a taxi to Euston. Alternatively, take an Airbus from Heathrow Airport direct to Euston station.
- From Gatwick Airport, take the Airport Express train to Victoria station and then the Underground or a taxi to Euston.

Further information

UK Railways on the Net
Tel: +44 (0)845 748 4950
www.rail.co.uk

National Express (coach)
Tel: +44 (0)871 781 8178
www.nationalexpress.com/coach

National Express West Midlands (bus/metro)
Tel: +44 (0)871 200 2233
www.nxbus.co.uk/west-midlands



Centro

Tel: +44 (0)121 200 2787
www.centro.org.uk

Birmingham Tourism Centre
Tel: +44 (0)870 225 0127
www.visitbirmingham.com

Birmingham International Airport
Tel: +44 (0)8707 335511
www.bhx.co.uk

Directions to other University locations

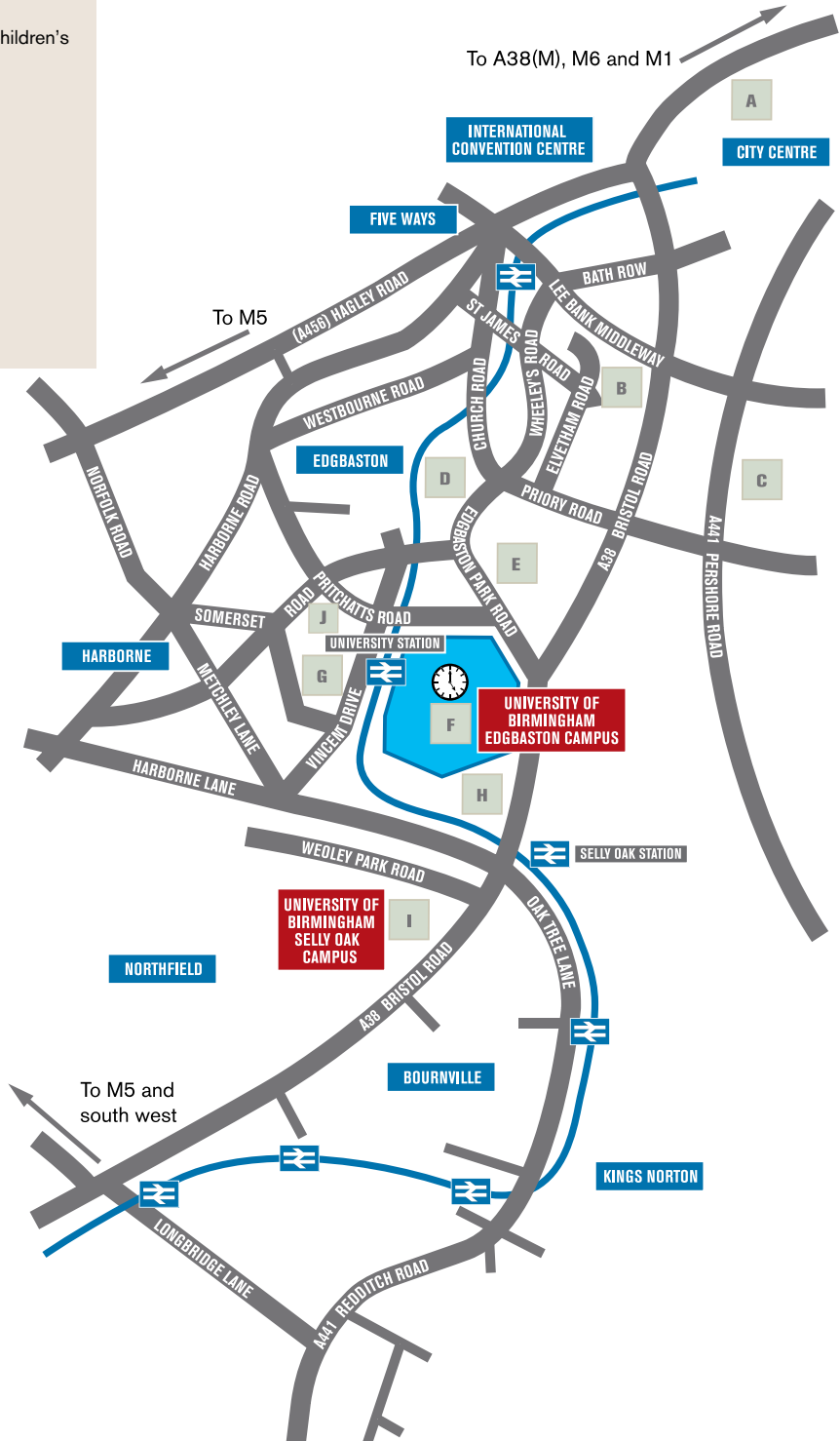
The School of Dentistry is located in Birmingham city centre. For directions on how to get there by car, enter the postcode B4 6NN into your chosen route planner or sat nav.

There are also a number of University locations away from the city. For directions to Stratford-upon-Avon (the Shakespeare Institute) and Ironbridge (the Ironbridge Institute) go to www.birmingham.ac.uk/contact/directions

The Priestly Centre is at Coniston in the Lake District – please refer to our website at www.sport.bham.ac.uk/raymondpriestley/location.shtml

University locations

- A School of Dentistry and Children's Hospital NHS Trust
- B The Beeches
- C Hunter Court
- D The Vale
- E Conference Park
- F Edgbaston campus
- G Medical School
- H Jarratt Hall
- I Selly Oak campus
- J Pritchatts Park



The Selly Oak campus

THE SELLY OAK CAMPUS IS 15 MINUTES FROM BIRMINGHAM CITY CENTRE AND ONLY FIVE MINUTES AWAY BY CAR FROM THE EDGBASTON CAMPUS, ON AN 80-ACRE GARDEN SITE NEAR THE VILLAGE OF BOURNVILLE. IT IS HOME TO THE ORCHARD LEARNING RESOURCE CENTRE AND BBC DRAMA VILLAGE.



The Edgbaston campus

THE EDGBASTON CAMPUS IS A SELF-CONTAINED SITE DIVIDED INTO FIVE AREAS. HERE WE PROVIDE AN OVERVIEW OF WHAT YOU'LL FIND IN EACH – FOR MORE DETAILED MAPS GO ONLINE TO www.birmingham.ac.uk/contact/directions

Red Zone

Central academic area, includes facilities for many of our departments including Law, Education, Earth Sciences, Physics and Mathematics; also houses the Main Library, shops, banks and the Munrow Sports Centre

Blue Zone

Home to the Medical School and associated research centres

Orange Zone

Student support services including the Guild of Students (Students' Union) and Chaplaincy

Yellow Zone

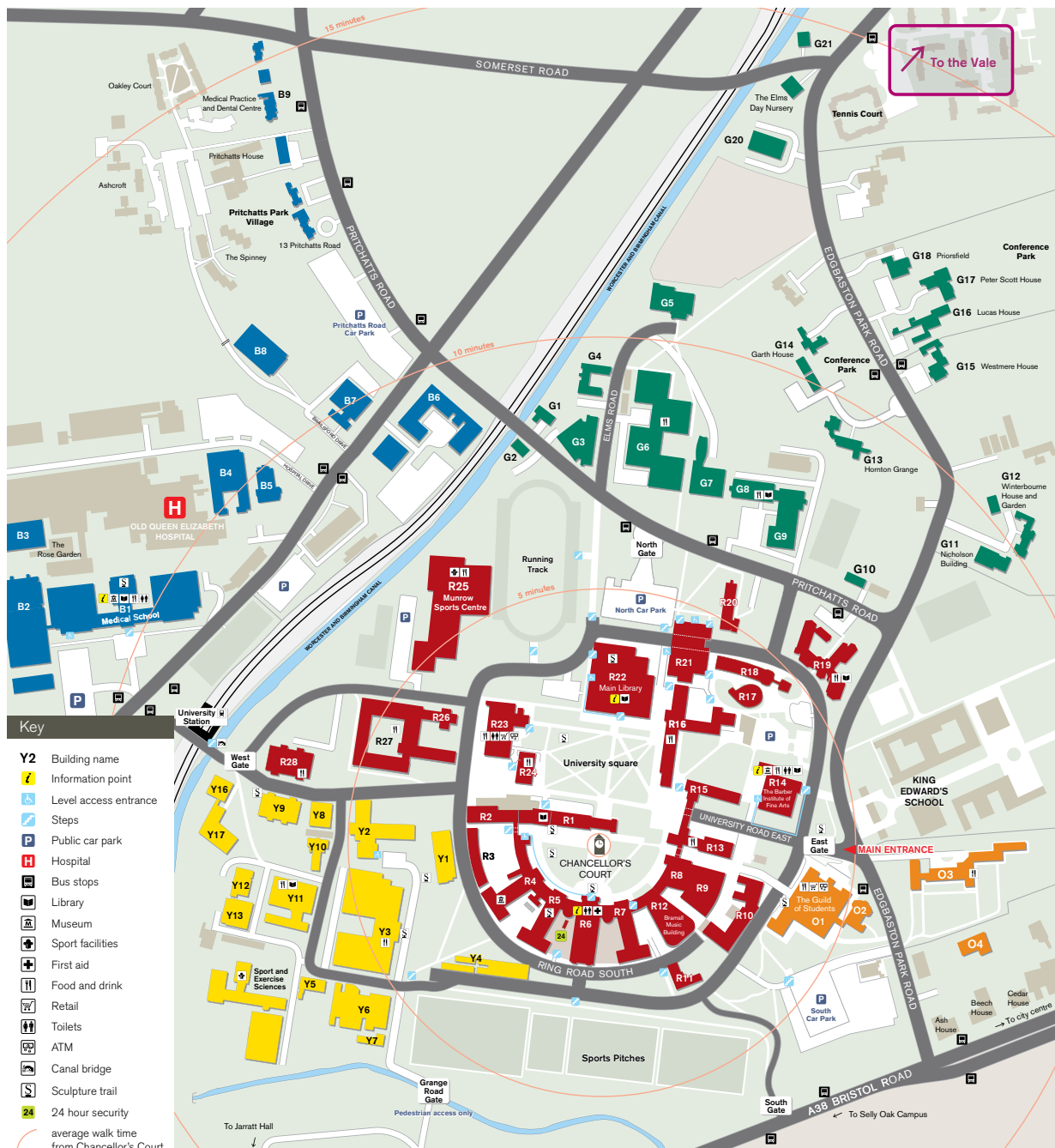
Facilities include Civil and Chemical Engineering, Chemistry, Sport and Exercise Sciences, Computer Science and some Health disciplines

Green Zone

Metallurgy and materials laboratories, electronic engineering and the Institute of Archaeology and Antiquity can be found here; also conference facilities and our botanic garden



Please note our campus is undergoing major redevelopment. For fully up-to-date maps visit our website.



The small print – essential information for all students

THE FOLLOWING SECTION COVERS ESSENTIAL INFORMATION FOR ALL APPLICANTS, INCLUDING IMPORTANT TERMS, CONDITIONS AND REQUIREMENTS THAT THE UNIVERSITY WILL APPLY AND RELY UPON IN ITS FUTURE RELATIONSHIP WITH YOU. THE UNIVERSITY THEREFORE CONSIDERS IT ESSENTIAL THAT YOU READ THEM CAREFULLY.

The following documentation and legislation provides a framework through which the University and its students work together to create a positive environment for learning and academic achievement:

- The Undergraduate and Postgraduate Prospectuses
- The offer letter
- The University's Royal Charter, statutes, ordinances and regulations, etc; together called 'the University Legislation'
- Code of practice and related information on admission to the University of Birmingham
- School guidelines
- Programme requirements
- Registration documentation

This documentation establishes the basis of an agreement between the University and its students as to the rights, roles and responsibilities of both parties.

Admission to the University is subject to the requirement that the applicant will comply with the University's registration procedure and will duly observe this documentation. The documentation (except for the Prospectus, offer letter and registration documentation) is available on the University's website at www.as.bham.ac.uk/legislation/regulations.shtml

Application and admission to the University: information and requirements

It is essential that you provide accurate and complete information in your application form. If you fail to do so the University can withdraw the offer of a place and insist that you leave. See also www.birmingham.ac.uk/students/apply

Criminal convictions

When you apply to the University, you must disclose any unspent criminal convictions. Some programmes will require the disclosure of all convictions, spent or unspent. The University will consider whether such convictions are compatible with membership and a place on a particular programme. If your situation changes after the offer of a place please notify the Admissions Tutor for your programme, or if you have already enrolled, the Programme Director.

Disabilities

If you have study support needs related to a disability, including dyslexia and other specific learning difficulties, mental health conditions, or other health conditions, the University will seek to support you whenever possible. If you have not yet disclosed that disability, we would

encourage you to do so at the earliest opportunity to assist us in putting in place the appropriate support in good time. We would normally document the support to be provided in an agreed statement. Even if you have already disclosed a disability, please make sure you contact the Disability and Learning Support Service before you accept any offer of a place, in order to establish what support is available and the information we need to ensure this can be arranged. You should be aware that if you choose not to disclose your disability, or to limit that disclosure, while we will do our best to help you, you may not be able to access the full range of support available. The Disability and Learning Support Team can be contacted by telephone on 0121 414 5130 or by email at disability@bham.ac.uk. Further information is also available at www.birmingham.ac.uk/students/disability

Programme entry requirements

The programme requirements for admission are set out in the relevant section of the prospectus. Please consider these carefully to ensure you are eligible for your chosen subject.

Health requirements

The University and bodies such as the General Medical Council and the Department for Education require applicants for certain programmes to provide information regarding their physical health. Applicants may also be required to undergo a health check and to provide evidence of immunisation against certain diseases. The offer of a place is conditional on such requirements being met.

Blood-borne viruses

The regulations on the screening and admissions to medical schools of students with blood-borne viruses, and other regulations, are subject to change from time to time and you are advised to consult the relevant University college website for up-to-date information.

Fees and payment

It is your responsibility to make sure your tuition fees and all other expenses relating to your programme are paid in a timely manner. The tuition fee will be stated in your offer pack. The fee quoted is revised each academic year. When you register online, you will be required to indicate how your fees will be paid. If you are paying the fee yourself, the University will require either full payment or an application to make payment using the University direct debit scheme.

As a member of the University you will be bound by the University's regulations on the payment of fees. Failure to make payment in accordance with the regulations will ultimately result in exclusion from the University. The

regulations are set out on the University's website at www.birmingham.ac.uk/students/payments

If you are a sponsored student and your sponsor fails to pay your tuition fees, you will become responsible for payment.

Your offer letter will indicate whether you will be considered as home/EU or overseas for fees purposes. If you feel this classification to be incorrect it is your responsibility to contact the Admissions Office.

Unless stated otherwise, the programme and course fees do not include any charges for residential accommodation, examination resits, extensions to the designated period of study, travelling expenses, or other miscellaneous expenses which may be related to your programme of study.

If you would like the University to be able to discuss your fee account with a third party, we will require you to complete a 'Disclosure to a Third Party' form in accordance with the Data Protection Act 1998. This form can be found at www.payments.bham.ac.uk

Scholarships

Information on sources of funding for postgraduate students can be found at www.as.bham.ac.uk/study/support/finance/pgstudents

Financial hardship

In addition to the scholarship schemes, the University is able to provide financial assistance to students who suffer financial hardship during their studies. In particular, the Access to Learning Fund can be used to make a means-tested, non-repayable grant to part-time or full-time undergraduate or postgraduate students who have been resident in the UK throughout the three years prior to the start of their course. Further details of this and other awards are available from the Student Funding Office at www.as.bham.ac.uk/study/support/finance or the Department for Education www.direct.gov.uk/en/educationandlearning/index.htm

Registration and University membership: information and requirements

General guidance and regulations

All members of the University (which includes Registered Students) are required to comply with the following:

- Health and safety guidance
- Code of practice on use of computing facilities
- Equality scheme
- Discrimination and harassment guidance
- Data protection policy
- Public interest disclosure policy
- Rules on car parking on University premises

Data protection and disclosure of personal information

The application procedure, registration and your academic progress will provide the University with a range of information about you. It will use this to support you on your programme and for the administration and management of the University, including statistical analysis. Some information may be disclosed outside the University, either at your request or in your interest.

The information is collected from a number of sources including your application, registration forms and references, and from carrying out Criminal Records Bureau (CRB) or health checks (if necessary). We may disclose information relating to your academic progress to your sponsor (if you have one). Medical information disclosed to the University's Medical Officer or the Student Support and Development will be treated as confidential and disclosed only in accordance with their normal procedures. Information arising from Criminal Records Bureau checks will be used only in accordance with the CRB's code of practice (see www.crb.homeoffice.gov.uk).

We will also ask for emergency contact details and by providing them, you confirm that these individuals have consented to the processing of their personal data by the University. All information will be kept for a reasonable period in accordance with legal requirements and for administration purposes.

Further information can be found at www.birmingham.ac.uk/university/data-protection

Programmes, courses and modules

The University will make all reasonable efforts to deliver your programme as described in the University's offer letter. However, the University may have to vary the method of delivery of your programme, and in some cases the syllabus may be altered or updated, or your supervisor changed. When an agreed supervisor becomes unavailable, for example, through leaving the University's employment, the University will endeavour to find a suitable replacement or make alternative arrangements. In extreme circumstances the University may have to discontinue your programme or amalgamate modules. The modules described in this prospectus are provided as an illustration and may be subject to change. In the unlikely event that the University discontinues your programme or changes it significantly we will tell you at the earliest possible opportunity. Under such circumstances you may wish to withdraw your application; if you do so, the University will assist you in finding an alternative programme either at Birmingham or at another UK university.

Deposits

We reserve the right to charge a deposit for some programmes. Full details will be included in our offer letter where appropriate.

Conduct

Students are required to attend such lectures, tutorials, examinations and other activities as form part of their programme. This includes the requirement to submit theses, dissertations and coursework on time. Students must also be aware of and observe the University's discipline regulations and codes of conduct (which include the University's right to suspend or exclude a student in exceptional circumstances on disciplinary grounds), which can be seen at www.as.bham.ac.uk/legislation/codesofpractice.shtml

You may also be subject to the University's regulations on Fitness to Practise, and, if so, additional information will be included with the offer letter.

Diversity and equality

The University prides itself on being a diverse community within a diverse city. Our commitment to equality and diversity and the elimination of discrimination is embodied in the University's Charter and our aim is to ensure that the University remains an inclusive environment where equality of opportunity and tolerance for all are fostered and promoted.

Termination

Subject to the completion of any internal appeals procedures, you may be asked to leave the University if:

- Your academic performance is not satisfactory
- Action is taken against you in accordance with the University's disciplinary or Fitness to Practise procedures

- You fail to pay your fees in accordance with the University's regulations on payment of fees
- You are expelled or dismissed from any other organisation which you are required to attend or be a member of as part of your programme
- In the reasonable opinion of the University, you have failed to provide the University with all relevant information, or have supplied false or misleading information, relating to your application for your programme
- As a result of your actions the University is unable to find a suitable placement which is required to complete your programme

Depending on the circumstances the University may also be entitled to take legal action against you (for example to recover an outstanding debt). Provided the action taken to terminate the agreement is in accordance with the University's procedures, the University will not be liable for any loss or damage which you may suffer as a result. Neither the student nor the University shall be liable to each other for any failure or delay in performing obligations, if the failure or delay is due to any cause beyond that party's reasonable control, for example fire, flood or industrial dispute.

Intellectual property

You are subject to the University regulations regarding exploitable new inventions and intellectual property arising whilst you are a student of the University.

The regulations are available through the University's website
intranet.birmingham.ac.uk/as/registry/legislation/regulations.aspx

Generally the procedure is the same for both students and members of staff. The University claims ownership of the intellectual property, and if it is exploited, it passes a substantial benefit from the net profits back to the student or staff member. However, if you have any questions or concerns regarding these provisions please discuss them with your supervisor or Head of School.

Accommodation

If you apply to the University to reside in University accommodation this is dependent on you continuing to study at the University. There are separate terms and conditions which apply to your occupation of University accommodation and further details of these are available from Housing Services at
www.birmingham.ac.uk/accommodation

Religious observance

Whilst the University promotes an egalitarian learning community, applicants and students should be aware that:

- In an intensive course we have to routinely schedule activities, including examinations, on Fridays and Saturdays. Where this may conflict with the observance of religious days for some students, the University will endeavour to make alternative arrangements where reasonably possible. Therefore students are advised to inform the relevant school and/or the Examinations Office in writing of such issues as soon as possible.

- The General Medical Council and the British Dental Association stipulate that the wearing of gloves and/or burkas is not permitted in the clinical setting. Medical students are required to sign a code of practice in which they agree to show their faces at all times, and must be prepared to examine and touch patients of both sexes. See www.birmingham.ac.uk/students/support

General matters

The agreement is between the University and the student and only these two parties can enforce the agreement between them. The Contracts (Rights of Third Parties) Act 1999 shall not apply. The agreement between the student and the University is governed by English law. Further information can be found on our website www.birmingham.ac.uk

If you have any questions please contact the Postgraduate Admissions Tutor for your school.

Further information

This prospectus was published in September 2012 and refers to entry from September 2013 to July 2014. The University of Birmingham reserves the right, without notice, to withdraw programmes or raise fees at any time before or after an applicant's admission. If you have any complaints regarding the accuracy or fairness of this prospectus, they should be addressed to the Director of Communications and Marketing, who will investigate the matter and reply, in writing, within 21 days of receiving the letter.

Index of research degrees and taught programmes

THIS INDEX PROVIDES YOU WITH A LIST OF THE SUBJECT AREAS AND DISCIPLINES IN WHICH DEGREES AND PROGRAMMES ARE ON OFFER AT BIRMINGHAM.

We would encourage you to visit our online prospectus which will provide a better indication of the breadth of research activity currently available at Birmingham and the large range of taught programmes, including continuing professional development and distance learning courses.

For a complete listing of all degrees and programmes, follow the links from: www.birmingham.ac.uk/students/courses/postgraduate

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Sustainability

Sustainability is not just about the environment. A strategy has to encompass 'people' and 'finance' elements as well. The University has grasped the opportunities offered by an institution-wide approach to sustainable development through our five-year Sustainability Strategy initiated in 2003.

We have already made significant savings on energy and water usage. A waste management contract for the disposal of general waste optimises our use of recycling. The University has acquired Fairtrade status; one of the first universities to do so and our postgraduate students are working on waste minimisation projects with businesses and others.

Our students help us to build the values and current best practice of sustainable development into all University systems, policies and practices.

Our commitment to sustainability extends to the materials we use for our publications. This prospectus is printed on paper manufactured from 100% recycled fibres (post-consumer waste). The selected waste is cleaned but is not re-bleached. The mill has an environmental management system in place and paper is produced in accordance with European environmental legislation.

Note for applicants

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The University is an exempt charity under Schedule 2 of the Charities Act 1993. An exempt charity enjoys all the tax exemptions and other benefits of a charity, but is exempt from certain requirements, including the need to register with the Charity Commission. The University preserves its exempt status under the Charities Act 2006. As it is not on the Register of Charities, the University does not have a charity registration number, and, although it is a corporate body, the University is not a limited company therefore it is not registered at Companies House. It does have a tax-exempt Inland Revenue charities reference number (X7237).

Founded in 1900, Birmingham grew out of the radical vision of its first Chancellor, Joseph Chamberlain, and was England's first civic university where students from all religions and backgrounds were accepted on an equal basis. From the embryonic beginnings of our Medical School in 1825, Birmingham has maintained the spirit of innovation of our founder and remains a university with a passion for original thought.

UNIVERSITY OF BIRMINGHAM

Edgbaston, Birmingham,
B15 2TT, United Kingdom
www.birmingham.ac.uk



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Visit the University

A PROSPECTUS CAN ONLY TELL YOU SO MUCH.
THE BEST WAY TO FIND OUT WHAT BIRMINGHAM
CAN OFFER YOU AS A POSTGRADUATE STUDENT
IS TO **COME AND SEE FOR YOURSELF.**

Postgraduate Open Day

Tuesday 20 November 2012

- Learn more about our postgraduate study and research opportunities
- Get information on hundreds of scholarship and funding opportunities
- Meet with current students, course directors and admissions staff
- Visit the Careers Advice Lounge, offering one-to-one careers guidance sessions
- Get expert advice through a programme of presentations, seminars and workshops
- Take campus tours

The Open Day is ideal for final-year students at all UK universities thinking about further study and also for recent and experienced graduates looking to add to their skills and qualifications. Register to attend now at www.birmingham.ac.uk/pgopenday

Midlands Postgraduate Study Fair

Wednesday 20 February 2013

The University works with TARGETcourses to offer the Midlands Postgraduate Study Fair, giving you an opportunity to explore the wide range of taught and research options available in the UK. The Fair is an excellent forum for students to talk to representatives from over 60 institutions along with the opportunity to attend a series of free seminars on various aspects of postgraduate study.

Other opportunities to visit

If you are unable to attend the Postgraduate Open Day, we organise guided tours of the campus on Tuesdays and Thursdays throughout the year. Advance booking is essential for these visits – please contact the Student Recruitment and Outreach Office on +44 (0)121 414 3374; schools-liaison@bham.ac.uk

If you can't make one of our scheduled tours you are welcome on to campus at any time to have a look around. You will find directions to the University on pages 246–248 or at www.birmingham.ac.uk/contact/directions

Alternatively, you can get a taste of Birmingham online by visiting our virtual tour at www.virtualtour.bham.ac.uk

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