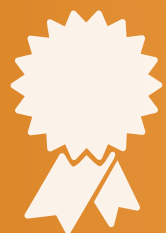




CONSISTENTLY
RANKED AS A **UK TOP 10 UNIVERSITY**
BY THE COMPLETE UNIVERSITY GUIDE 2016-22



**CONSISTENTLY
RANKED AS A
UK TOP 10
UNIVERSITY**

BY THE COMPLETE UNIVERSITY
GUIDE 2016-22

**TOP
10**

IN EVERY NATIONAL
UNIVERSITY LEAGUE
TABLE FOR 2021



AWARDED 7 QUEEN'S
ANNIVERSARY PRIZES
FOR ACADEMIC
EXCELLENCE



**ONE OF ONLY 13
5 STARS PLUS
INSTITUTIONS
WORLDWIDE**

INTERNATIONAL QS STARS SCHEME 2020



**TOP 10 UNIVERSITY
IN ENGLAND FOR
RESEARCH INTENSITY**
REF 2014



**1ST IN THE UK FOR
EMPLOYER-STUDENT
CONNECTIONS**

QS GRADUATE EMPLOYABILITY
RANKINGS 2020

**COMMITTED TO PROVIDING
A SUPPORTIVE AND
INCLUSIVE ENVIRONMENT**



A top ten UK university

As well as ranking in the top 10 of every national university league table, we're also recognised for the strength of our research and our commitment to developing your employability as a truly top-class university.



lboro.ac.uk/pg-stories

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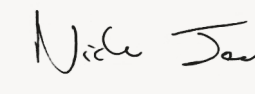
Welcome to Loughborough

At Loughborough University our students are at the heart of what we do and creating a life-changing impact through a high-quality university education is central to who we are.

Our postgraduate community is built on a foundation of academic excellence and an environment where students form enduring professional and personal friendships that are integral to their intellectual development and future careers. Our postgraduates are central to our research and their contribution is a key part of both their success and ours.

By choosing Loughborough you will make your own individual contribution to the discovery of new knowledge and its application to challenging real-world problems. I hope that my colleagues, current postgraduate students and I will be welcoming you to our Loughborough or London campuses soon so that you too will benefit from the academic excellence that lies at the heart of Loughborough University.

Kind regards,



Professor Nick Jennings CB FREng
Vice-Chancellor and President



#LboroFamily

Our postgraduate degrees

We offer a range of postgraduate qualifications at our Loughborough and London campuses, including taught master's programmes and doctoral qualifications.

Whether you're looking to enhance your employability, change your career path or continue studying a subject that you love, you'll find a programme that is right for you at Loughborough.

Taught programmes

Our taught programmes include postgraduate certificates (PGCert) worth 120 credits, postgraduate diplomas (PGDip) worth 150 credits and 180 credit master's degrees, such as MSc, MA and MBA qualifications, where you will complete a final research project or a work-based project.

Research programmes


We offer a wide range of doctoral qualifications across our schools, departments and institutes. These include:

- PhD
- EngD
- PhD by Practice
- PhD in Creative Writing

A PhD or EngD is the highest academic qualification that you can achieve. Your research must make a significant original contribution to new knowledge, building on your critical appreciation of existing knowledge in the subject.

"Loughborough University to me is the epitome of hard work. From the department staff and researchers to the students – everyone strives to be the best."

Chris
PhD student

 lboro.ac.uk/pg



Why Loughborough?

A postgraduate degree from Loughborough will further your subject knowledge and enhance your employability.

Thanks to the quality of our teaching and research, alongside our unrivalled student experience, we consistently score highly in major national rankings. We are currently in the top 10 in every UK league table – something that we are incredibly proud of.

Academic staff

Our reputation attracts outstanding academics from around the world, many of whom are leaders in their field. This means that we can offer you opportunities to learn from passionate subject specialists who are at the forefront of current research.

Our research

The vibrant research culture that is prevalent at Loughborough will provide you with a supportive learning experience and excellent standards of academic supervision.

As well as enabling you to develop specialist skills and knowledge from top quality research practice, our long-standing relationships with industry, and public and private sector organisations will expand your professional network and invite excellent career opportunities.

World-class facilities

Our campuses are not only a welcoming and friendly home for our staff and students, they are also the site of some incredible learning facilities. With purpose-built lecture theatres, state-of-the-art laboratories, libraries, an arts centre, two theatres, dedicated 24/7 computer suites and many more additional teaching spaces, we can offer everything you need to succeed during your studies.

 lboro.ac.uk/pg

Our research

As one of England's top 10 research-led universities (REF 2014), Loughborough's research is renowned for its quality and relevance to business and industry, as well as its impact on society.

Joining a university with a passion for solving real life challenges will enhance your learning experience – you'll feel inspired by the achievements of the community you're part of.

We're proud of the research across all of our academic schools, departments and institutes, which spans the arts, business, design, engineering, health, humanities, mathematics, science, social sciences, and sport, and is supported by £50 million in new research grants every year.

The following are just a few examples that demonstrate the diversity of our research and our commitment to making the world a better place:

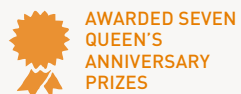
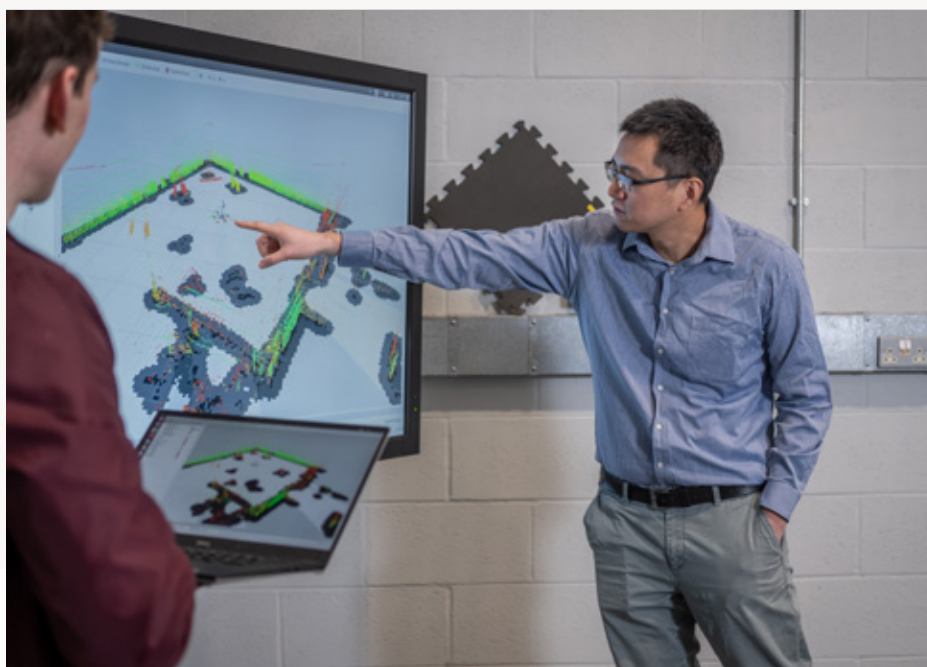
- evidencing the UK Minimum Income Standard as the basis for the 'Living Wage'
- transforming mathematics education in schools
- pioneering exercise intervention as an alternative to conventional medicine
- delivering an annual fuel economy benefit of 20,000kg for a single aircraft
- working towards providing access to affordable, reliable, sustainable and modern energy for all.



**UNIVERSITY IN ENGLAND
FOR RESEARCH INTENSITY**

REF 2014





AWARDED SEVEN
QUEEN'S
ANNIVERSARY
PRIZES



AWARDED 5 STARS
FOR RESEARCH
INTERNATIONAL QS
STARS SCHEME 2020



"The Doctoral College supports researchers through every step of their research journey, through extensive training, collaboration and partnership."

Professor Elizabeth Peel
Associate Pro Vice-Chancellor (Doctoral College)

Queen's Anniversary Prizes

In recognition of the benefits that the integration of our teaching, research and enterprise activities bring to culture, economy and society, we have received seven Queen's Anniversary Prizes for Higher and Further Education in areas of service and benefit to the nation. This includes research into water and sanitation in developing countries, social policy for poor and vulnerable families, and high value manufacturing.

Find out more: lboro.ac.uk/qap

Research Beacons and Global Challenges

The Research Beacons are our broad, internationally recognised and enduring research strengths.

Our Beacons are:

- Built Environment
- Communication and Culture
- High Value Manufacturing
- Sport and Exercise
- Transport Technologies

Our Global Challenges see our disciplinary research strengths combine to develop multidisciplinary solutions to the biggest societal challenges of our time.

Our Global Challenges are:

- Changing Environments and Infrastructure
- Energy
- Health and Wellbeing
- Secure and Resilient Societies


Loughborough Doctoral College

All research students at the University are members of our Doctoral College, which brings together researchers across both our campuses and supports the management and quality assurance of doctoral degrees. The Doctoral College supports our researchers to reach their full potential through a wide range of specialist and transferable skills training. It is situated on our Loughborough campus within Graduate House, a dedicated building that includes a training room and social study space reserved exclusively for postgraduate and mature students.

The doctoral experience

We aim to provide a stimulating and supportive community-based experience for all our doctoral researchers through a range of seminars, conferences, networking opportunities and social events, in addition to our formal training programme. These include an annual research conference, open to all 1,500 members of our doctoral researcher community from across the University; a summer showcase; library training and support; events organised by the Institute of Advanced Studies; and a wellbeing programme.

An increasing number of doctoral researchers work with external partners, which helps to shape their research and prepares them for a range of careers within and beyond higher education, including policy development, and industry research and development.

 lboro.ac.uk/pg-research-degrees



Information for international students

Loughborough University is a truly global institution with a strong commitment to providing an outstanding learning experience for all students.

We have a long history of welcoming international students and currently have around 4,000 postgraduates studying with us from around 130 countries.

The International Office is a friendly, experienced and knowledgeable team, available to help you throughout your time with us, from your initial enquiry to graduation and beyond.

We offer a wide range of support for our international students including:

- a free coach service from Heathrow Airport to our Loughborough (East Midlands) campus for new international students at the start of the academic year
- financial support
- English language support
- advice and support on immigration, visas and accommodation
- health and wellbeing services
- careers advice and guidance on finding employment during and after your studies.

International Office
+44 (0)1509 222201
international-office@lboro.ac.uk
lboro.ac.uk/international



International entry requirements

The entry requirements listed in this prospectus are based on UK undergraduate degree classifications.

The table below should be used as an approximate guide to some of the equivalent international qualifications accepted by Loughborough University.

Standard UK undergraduate degree classification	Mid 2:1 (65%)	2:1 (60%)	Mid 2:2 (55%)	2:2 (50%)
China: ShanghaiRanking top 250	81%	80%	78%	77%
China: ShanghaiRanking 251-500	84%	83%	81%	80%
China: ShanghaiRanking 501+	87%	86%	85%	82%
India: universities listed on the Indian Ranking of Higher Educational Institutions Framework	63%	60%	58%	55%
India: all other universities	68%	65%	63%	60%
Nigeria: classification	-	Upper second	-	Lower second
Saudi Arabia: GPA 5-point scale	-	3.75	-	3.5
Saudi Arabia: GPA 4-point scale	-	3	-	2.8
Thailand GPA 4.0 scale	-	3.2	-	2.8

The grade equivalences listed in this table should be regarded as a general indication only. Due to the range of factors considered when assessing an application, it is impractical to adhere to exact percentage requirements or equivalences between marks gained in different countries.

If your qualification is not listed above, please see:
lboro.ac.uk/international/pg-entry-reqs

Applicants must meet the University's minimum English language requirements. For more information, please see:
lboro.ac.uk/international/english-language

Our locations

Whether you are located at our Loughborough or London campus, you will be within easy reach of thousands of popular destinations across the UK, Europe and beyond.

Our excellent transport links are a real asset and enable our students to make the most of their free time during their studies.

We have included indicative travel times to some of our students' favourite destinations, so you can see how well connected our campuses really are.

Rail travel from Loughborough

Leicester	From 10min
Nottingham	From 16min
Derby	From 21min
London	From 1hr 16min

Rail travel from London

Manchester	From 2hr 3min
Birmingham	From 1hr 20min
Oxford	From 44min
Cambridge	From 47min
York	From 1hr 46min
Brighton	From 52min

Please note that travel times may vary.

Sources:
eastmidlandsrailway.co.uk
thetrainline.com

**We offer a free coach service to new international students from Heathrow to our Loughborough (East Midlands) campus at the start of the academic year.*





Commuter students

With easily accessible campuses in Loughborough and London, it's clear to see why some of our students choose to commute from home during their studies, embracing the freedom and convenience this option brings.

Commuting to either campus offers you the chance to make the most of everything that our award-winning student experience has to offer, whilst continuing to enjoy all the comforts of home.

Our well-connected locations make commuting a popular and viable option for those in the local and surrounding areas of Loughborough and London, with excellent transport links by road and rail, so you'll never have to miss out on any aspect of university life.

For more information about our locations, please see page 12.



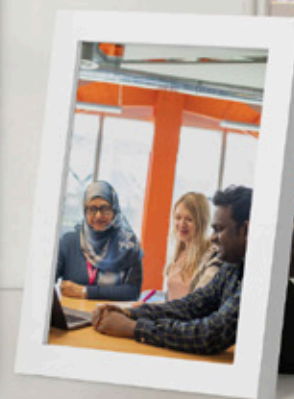
Is Loughborough right for me?

Postgraduate study offers a truly rewarding opportunity and experience, yet with so many universities available to choose from, it's important to find the one that is right for you.

Here are some of the things that our students value the most about their experiences at our Loughborough and London campuses. If you can relate to some of these, there's a strong chance that Loughborough University could be the perfect place for you too.



AWARDED 5 STARS FOR INCLUSIVENESS
INTERNATIONAL
QS STARS SCHEME 2020



lboro.ac.uk/pg/inclusive-community

"I have found the support of staff particularly useful, especially in relation to my personal situation and needs. The University and its staff are incredibly empathetic and helpful if you have difficult personal circumstances and need support, which I have always appreciated."

Chloe
Master's student

We're a family

Anyone around the world with a connection to Loughborough knows what it means to be part of the Loughborough Family. From those experiencing the University for the first time, to the alumni who graduated years ago – they are all passionate about the University and form part of our close-knit community.

We're by your side

For some, studying a postgraduate degree offers a fresh start and the freedom to express yourself without fear of discrimination. Everyone is welcome here at Loughborough, and we operate a zero-tolerance policy towards all types of discrimination, harassment and violence. If you're in need of any support during your studies, we have a plethora of services available at both our campuses, providing friendly, confidential and non-judgemental support, whenever you need it.

We'll bring out the best in you

We provide our students with every opportunity to achieve their full potential – professionally, academically and socially.

Our academics are passionate about their subject area and enjoy sharing their expertise with our students. We also have a wide range of extracurricular opportunities available for you to enhance your employability and develop as an individual.

We'll help to fulfil your ambitions

Whether you're looking to progress in your current career, change direction completely or even start your own business, our extensive range of innovative postgraduate programmes will provide the competitive advantage you need to transform your future prospects. We are committed to providing the very best range of support services and resources, ensuring you have access to the information, advice, guidance and events you need in order to capitalise on your postgraduate studies and advance towards achieving your career goals and aspirations.

Life on our Loughborough campus

Our superb 440-acre single-site campus is among the largest in the country and is recognised as one of the UK's best green spaces (Green Flag Awards).

With stunning gardens and peaceful open spaces; a rich variety of shops, cafés and leisure amenities; state-of-the-art teaching and research spaces; and the most advanced sports facilities in the country, our campus in Loughborough offers superb facilities for every aspect of university life.

Home to over 22,000 students and staff from more than 130 countries, the campus is both inclusive and inspiring – the perfect place to meet people from all over the world and develop your career in new and exciting ways.

Our campus is self-contained and can be easily negotiated on foot or bicycle (there are plenty of lockable storage areas for your bike). The free* shuttle bus that runs across campus every few minutes is handy for getting around too – especially on rainy days!



**AWARDED 5 STARS
FOR FACILITIES**

INTERNATIONAL QS STARS
SCHEME 2020

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To find out about life as a student at our London campus, see page 32.



RECOGNISED AS ONE
OF THE UK'S BEST
GREEN SPACES
GREEN FLAG AWARDS



1ST FOR UNIVERSITY
FACILITIES
WHATUNI STUDENT
CHOICE AWARDS 2020



£350 MILLION
INVESTED IN THE
ESTATE OVER THE
LAST 10 YEARS

CAMPUS MAP

- 1 FALKNER EGGINGTON HALL OF RESIDENCE
- 2 NATIONAL CENTRE FOR SPORT AND EXERCISE MEDICINE
- 3 MAIN ENTRANCE
- 4 50M SWIMMING POOL
- 5 HARRY FRENCH HALL OF RESIDENCE
- 6 LOUGHBOROUGH STUDENTS' UNION
- 7 GRADUATE HOUSE
- 8 THE NATIONAL CRICKET CENTRE
- 9 JOHN PHILLIPS HALL OF RESIDENCE
- 10 UNIVERSITY LIBRARY
- 11 SCIENCE AND ENTERPRISE PARK



“My favourite thing about the University is the community – it’s been great getting to know people across all disciplines.”

Robert
PhD student



Loughborough student experience

Our beautiful campus is brought to life by a diverse range of experiences that unite students across the University.

Renowned for its strong sense of community, the Loughborough campus is a friendly and welcoming environment with plenty of opportunities to help you find the perfect work-life balance.

Loughborough Students' Union

With over 100 clubs and societies, social and support networks for postgraduate students, and opportunities to get involved in volunteering, fundraising, media and much more, the Students' Union plays a central role in shaping the Loughborough experience.

The Students' Union is also committed to supporting and representing all students during their time at Loughborough. As well as promoting health and wellbeing, the Students' Union offers free independent and impartial advice through LSU Advice.

Find out more: lsu.co.uk

LU Arts

Offering a wide variety of creative activities and events, LU Arts is Loughborough's student-focused extra-curricular arts programme, through which you can learn new skills, gain valuable experience, meet new people and de-stress.

Open to all postgraduate students and covering music, creative writing, and visual and performing arts, there is something for everyone to enjoy in their spare time, regardless of ability or experience. Events and activities include evening classes, arts and crafts workshops, music tuition, open mic nights, screenings, talks and exhibitions. Arts scholarships are also available, as well as projects and competitions to showcase and develop student talent.

Find out more: lboro.ac.uk/arts



FIVE STAR RATING FOR
CLUBS AND SOCIETIES
BEST UK UNIVERSITIES
2020, STUDENTCROWD



1ST IN THE UK FOR
SOCIETIES AND SPORTS
WHATUNI STUDENT
CHOICE AWARDS 2020



Sport at Loughborough

Loughborough University is renowned as a world leader in sport and, regardless of ability or experience, there is something to suit everyone.

State-of-the-art facilities

Loughborough University houses the country's largest concentration of world-class facilities across a wide range of sports. These include an indoor athletics centre, an outdoor stadium, multiple sports halls, all-weather pitches, a 50-metre swimming pool, indoor and outdoor tennis courts, and two gyms.

Holywell Fitness Centre is a great place to get active on your own or with friends and includes fitness studios, a sports hall and the latest Technogym equipment. Powerbase is one of the country's largest strength and conditioning gyms and is designed specifically to maximise athlete performance.

Performance programmes

We offer enhanced high-performance programmes in a range of sports. Those who secure a place in one of our performance squads will receive high quality coaching, as well as support in strength and conditioning, nutrition, physiology, performance analysis and sports medicine.

Get involved

For those with a keen interest in sport, there are 60 clubs to choose from. There are also opportunities to get involved in teams within the halls of residence and our social sport programme.

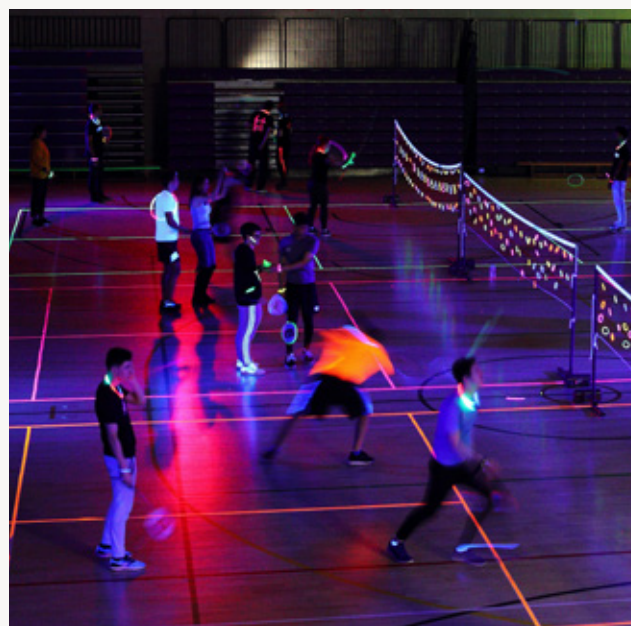
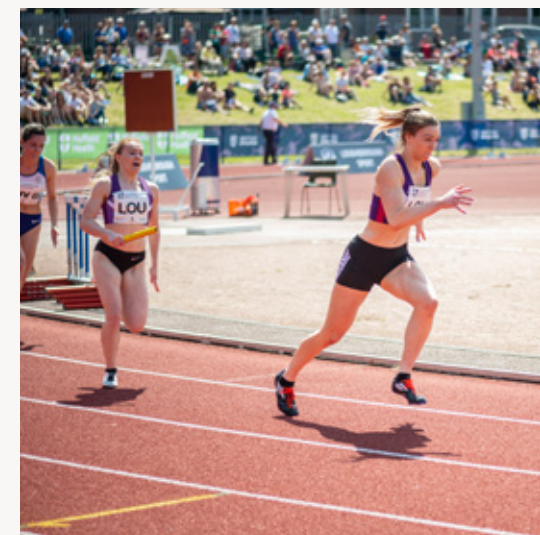
Our recreational sports opportunities are perfect for those looking to try something new. There are over 30 activities to choose from every week, ranging from indoor cricket to UV Zumba and aqua fit to ultimate frisbee.

Our Coach and Volunteer Academy provides our students with valuable sport-based coaching, volunteering and leadership opportunities to enhance their experience and personal development.

Throughout the year we also host multiple elite level sports events and competitions, so you get the opportunity to see some of the world's best athletes right on our campus.

Para sport

We have one of the highest populations of para athletes in the UK, including student athletes and those who use the Loughborough campus as a training base. Para sport is rapidly evolving at Loughborough and there is something for everyone, from recreational and performance sport to research and placement opportunities.



BRITISH UNIVERSITIES
AND COLLEGES SPORT
(BUCS) CHAMPIONS FOR
40 YEARS RUNNING



BEST UNIVERSITY IN
THE WORLD FOR SPORTS-
RELATED SUBJECTS
QS WORLD UNIVERSITY
RANKINGS BY SUBJECT
2017-2021



34 MEDALS FOR
LOUGHBOROUGH
ATHLETES - OLYMPIC
AND PARALYMPIC
GAMES, RIO 2016



Living in Loughborough

Whether you would prefer to live on campus or in Loughborough town, there are plenty of places for you to call home.

Postgraduate accommodation

We offer three self-catered halls of residence for postgraduate students, all located on campus or close by. Rooms are rented on a 50-week basis and are competitively priced.

- **John Phillips** is situated in the student village on campus and is exclusively for postgraduates.
- **Harry French** accommodates a mix of students, with three houses reserved for postgraduates (one of which offers two-bedroom flats for small families).
- **Falkner Eggington** is located in Central Park on campus, offering budget accommodation to a variety of students.

See our map on page 20 for an indication of where these halls are located.

Privately owned accommodation

The Student Accommodation Centre advertises a wide selection of privately owned accommodation in Loughborough. Suitable for single occupants, couples and families, these properties have been inspected and approved by the University.

loughboroughstudentpad.co.uk

For guidance on finding accommodation off campus, please see:
lboro.ac.uk/pg/accommodation

Loughborough town centre

Just a 15-minute walk or a short bus or bike ride from campus, the town centre is home to a variety of well-known high street shops, boutique stores and a large outdoor twice-weekly market. For entertainment, try the eight-screen cinema complex; Loughborough Town Hall for theatre, comedy and music; or one of the town's escape rooms. Places to eat include well-known chains and independent outlets, offering a huge choice of restaurants, cafés and dessert parlours.

loveloughborough.co.uk

Living costs

We estimate a postgraduate student studying in Loughborough would need approximately £12,000 for the academic year to cover costs for accommodation and other living expenses, excluding tuition fees.

In order to apply for a visa to study with us, the UK Visas and Immigration office will require you to demonstrate that you have at least £1,023* per month available to cover your maintenance costs, up to a minimum annual total of £9,207*.

Support and advice

Student Accommodation Centre

+44 (0)1509 274488

sac@lboro.ac.uk

lboro.ac.uk/accommodation

Student Advice and Support Service

Offering free, confidential and impartial advice on a range of matters, including housing and finance.

+44 (0)1509 222765

advice@lboro.ac.uk

lboro.ac.uk/sass

*Correct at the time of printing. For full details and the latest information on applying for a visa, please see www.gov.uk/student-visa

 lboro.ac.uk/pg/accommodation

Support for Loughborough students

From first-class resources to additional training and one-to-one support, we will provide you with the guidance and tools you need to achieve great things.



- Our campus **library** has an extensive collection of books, journals and specialist databases. The library is open until 2am during term time and 24/7 during revision and exam periods.
- The **Mathematics Learning Support Centre** offers support to students who feel they might benefit from additional help with mathematics and statistics.
- Our **Centre for Faith and Spirituality** provides support and facilities to students of all faiths and backgrounds or none. Facilities include a Christian chapel and a Muslim prayer room.
- **Graduate House** is a dedicated learning, teaching and social hub for postgraduate taught and research students.
- The on-site **Medical Centre** offers doctor and nurse appointments for students, as well as lifestyle checks and advice.
- Our **Student Advice and Support Service** offers free, confidential and impartial advice on immigration, housing, finance and more.
- Our **Disability Access and Learning Team** can arrange support for students with a wide range of requirements, including physical disabilities, learning differences, sensory impairments and more.
- The **Academic Language Support Service** offers workshops and resources for students looking to develop their academic writing and study skills, as well as pre-sessional English language courses for international students.
- Our **Mental Wellbeing Team** are all professionally trained and offer a range of practical and emotional support for students with mental health needs.





Maximising your career prospects

Gaining a postgraduate qualification at Loughborough is not just about academic achievements – it's also about developing the right skills and experiences to reach your career goals.

The University's Careers Network can help you to develop your skills, understand your strengths and explore your career options.

Our services and resources include:

- one-to-one advice and drop-ins with professional careers coaches
- workshops on career planning and job hunting
- guidance and advice from employers and alumni
- links to thousands of job vacancies and internships
- specialist support and advice for international students
- practice job interviews and assessment centres
- access to information, career planning tools and further resources via our comprehensive website.

Careers Network
careers@lboro.ac.uk
lboro.ac.uk/careers

Support for researchers

Whether your aim is to work in academia or industry, our careers coaches can help to identify your options and provide practical advice and guidance on how best to market your knowledge, skills and abilities.

Student and graduate enterprise and business support

Loughborough Enterprise Network (LEN) is here to support you on your business or self-employment journey. We provide valuable opportunities for you to develop your skills through events and competitions, training, mentoring and funding, available to both our students and graduates. Alumni (up to five years post-graduation) can apply for a place on our accelerator programme, The Studio. Grow your business while accessing specialist training and one-to-one coaching to bring your business ideas to life.

lboro.ac.uk/len
lboro.ac.uk/the-studio



2ND FOR JOB PROSPECTS
 WHATUNI STUDENT CHOICE
 AWARDS 2020



AWARDED 5 STARS
 FOR EMPLOYABILITY
 INTERNATIONAL QS STARS
 SCHEME 2020



1ST
 IN THE UK FOR
 EMPLOYER-STUDENT
 CONNECTIONS

QS GRADUATE EMPLOYABILITY
 RANKINGS 2020



HOME TO ONE OF THE UK'S
 LARGEST UNIVERSITY
 CAREERS FAIRS



lboro.ac.uk/pg/careers

Life in London

Loughborough University London is an inspiring postgraduate campus located on Queen Elizabeth Olympic Park in Stratford, East London.

The campus is part of a vibrant cluster of innovators and creative makers, known collectively as Here East. Bringing together forward thinkers in education, business, technology and media, our unique and inspiring location provides a stimulating environment for all students.

Our partnerships with industry mean our programmes are led by real-world issues and genuine industry challenges.

What's more, our students learn from influential thought leaders, talented researchers and inspiring academics, who each offer a unique insight to the latest developments within their sector.

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To find out about student life in Loughborough, please see page 18.

Located within a dynamic and vibrant new community in East London, Loughborough University London is at the heart of a rich ecosystem of art, creativity and culture.

Through exciting partnerships and collaborative projects, our students and staff are building strong relationships with the creative community in London, and contributing to innovations in a range of industries.





London student experience

West End

Regarded as the home of entertainment in London, the West End is always bustling with activity, from widely anticipated film premieres to critically acclaimed plays, musicals and performances. The West End is also famed for its diverse range of restaurants and bars, from exquisite fine dining in Mayfair to authentic Asian cuisine in Chinatown.

Oxford Street

If you are looking for high-end fashion and the latest trends, Oxford Street is the place to go. Located just 30 minutes from campus, Oxford Street houses all the largest high street retailers, including Niketown, Zara and John Lewis, as well as Selfridges' original flagship store.

Westminster

Westminster is home to many of the UK's most iconic attractions, including Buckingham Palace, the Houses of Parliament and Big Ben. You can reach Westminster in 20 minutes directly from Stratford station, which is just a short bus ride from the campus.

Camden Town

Located 30 minutes from campus in North London, Camden Town is a fun and alternative area to shop, eat and socialise. Famous for its vibrant street market, the area attracts thousands of visitors looking for unique clothing, art and gifts.



**BEST STUDENT CITY
IN THE WORLD**
QS BEST STUDENT
CITIES 2019



"Being located on Queen Elizabeth Olympic Park has enabled me to continue my interest in sports volunteering. I am an active volunteer for The Park and a local youth service, Young Hackney."

Lindsay
MSc Sport Analytics and Technologies

Life on Queen Elizabeth Olympic Park

Surrounded by a vast array of world-class sporting, social and cultural venues, Loughborough University London is ideally located at the heart of Queen Elizabeth Olympic Park.

Here East

Home to Loughborough University London, Here East is a thriving, collaborative community which fuses business, technology, media and education to develop the products and services of the future.

Restaurants, bars and cafés

Adjacent to the campus is East London's stylish new social scene, Canalside, which offers a selection of retailers and restaurants for passers-by to eat, shop and relax amidst the narrow boats of the Lee Canal.

Shopping and entertainment

Westfield Stratford City is Europe's largest urban shopping and leisure centre, with over 250 shops and a growing number of places to eat and drink. Located minutes from the campus, the complex also boasts a 20-screen cinema and futuristic bowling alley.

Olympic venues

Our students have the opportunity to receive exclusive tickets and volunteering opportunities across the park and can also enjoy a discounted gym membership with access to the Copper Box Arena, London Aquatics Centre and more.

Living in London

We understand that choosing a place to live for the duration of your studies is an important decision.

We have approved accommodation with Unite Stratford ONE to offer a number of secure and friendly accommodation options close to campus to suit your lifestyle and budget.

Unite Stratford ONE

Offering single en suite rooms and studio apartments, Unite Stratford ONE is just a 10–15-minute walk from campus, near Stratford International Station and Westfield Stratford City shopping centre.

Both room types include a private study area, large bed and plenty of storage. Studio apartments are larger rooms with kitchen facilities and are ideal for couples. Wi-Fi, communal cleaning and all bills are included in the rental price.

Shared facilities are provided throughout the building, including large kitchen and living areas equipped with the latest appliances and furniture, as well as on-site laundry facilities and plenty of communal spaces for socialising and meeting new people. Unite Stratford ONE also boasts a cinema room, games room, computer suites and impressive views across the Olympic Park and beyond from the Sky Lounge viewing room.

Student.com

Designed to help students find their home away from home, Student.com offers a wide range of rooms that have been built, and are managed, specifically for students. They provide a variety of accommodation types and contract lengths to enable students to find

the right home for them. The website has a global team of booking experts who speak 12 languages and provide 24-hour online support alongside a price match promise.

Living in London

We estimate the average cost of living for students in London to be around £15,000 for the academic year. This includes the costs of accommodation and other living expenses, excluding tuition fees. The UK Visas and Immigration office advises London-based international students to have at least £1,334* per month (for 9 months) available to cover their living costs, up to a minimum annual total of £12,006*, to be verified at the time of your visa application.

Student Accommodation Centre

The Student Accommodation Centre can offer advice on booking a room at Unite Stratford ONE or searching for accommodation in London.

+44 (0)1509 274488
sac@lboro.ac.uk
lboro.ac.uk/accommodation

Student Advice and Support Service

The Student Advice and Support Service offers free, confidential and impartial advice on understanding your rights and responsibilities under a tenancy agreement and dealing with any issues if they arise.

+44 (0)1509 222765
advice@lboro.ac.uk
lboro.ac.uk/sass

LONDON E20

**Correct at time of print. Please see www.gov.uk/student-visa for the latest requirements.*

Support for London students

The support available across both campuses is what makes the Loughborough student experience so special.

Our dedicated team of support staff are available to answer questions and offer assistance with campus facilities and equipment. They are also the first point of call for advice and guidance on matters that might affect your studies.

London Student Support
+44 (0)20 3805 1348
london-enquiries@lboro.ac.uk

Student welfare

Our Welfare Support team works to support students with difficulties which impact their studies. Our friendly, professional team provide one-to-one support and organise learning and assessment arrangements to best meet the needs of individuals. The Welfare Support team provides support and guidance for:

- health care
- mental health
- counselling
- learning difficulties
- disabilities
- mitigating circumstances.

Welfare Support
+44 (0)20 3805 1351/1303
london-welfare@lboro.ac.uk

“Whatever challenges you may face along the way, the University will be there to support you.”

Karim
MSc Design Innovation Management

Student Advice and Support Service

Our Student Advice and Support Service offers free, confidential and impartial advice on topics such as visas and immigration, housing and finance. You can speak to the team over the phone or arrange a video call.

Student Advice and Support Service
+44 (0)1509 222765
advice@lboro.ac.uk
lboro.ac.uk/sass

Loughborough Students' Union (LSU)

LSU is here to support, empower and represent you throughout your student journey. They provide free, independent and non-judgemental advice for students going through difficult times with their academic experience.

Loughborough Students' Union (London)
lsulondonadvice@lsu.co.uk

Centre for Faith and Spirituality

The Centre for Faith and Spirituality is the focus of religious, spiritual and faith-based activities for the University, and works to support students across both campuses. There is a dedicated prayer room at the London campus, and pastoral support available for any student, regardless of their religious or spiritual beliefs.

Centre for Faith and Spirituality
+44 (0)1509 223743
cfschaplains@lboro.ac.uk

 lboro.ac.uk/pg/london-support



Maximising your career prospects

Loughborough University London provides a variety of opportunities for you to develop the skills and attributes you need to reach your career goals.

Throughout the duration of your programme, you will take part in a wide range of activities that have been designed to enhance your personal and professional development. Career development is an intrinsic element of every postgraduate programme at Loughborough University London. From tasks set by real businesses to organisation-based dissertation projects, we will connect you to a wide range of opportunities which will enhance your professional skills and experience. In addition, doctoral students can undertake a placement. We regularly bring employers onto campus and work with them to recruit our graduates at the end of their studies.

Collaborative Project

A key feature of many of our taught programmes is the Collaborative Project module, where a cross-section of students work together to provide a solution to a brief put forward by a real business or organisation. Each team will master creative ways to negotiate and solve problems, whilst acquiring new industry connections and insight.

Collaborative Project partners have included:



Support for entrepreneurs

If you are investing in a degree with the goal of starting your own innovation-driven business, we have a range of support available to help you. Alongside the package of support and activities on offer throughout the year from our Careers and Employability team and Loughborough Enterprise Network, you will have access to business advice sessions, investor workshops and business acceleration programmes. Our Future Space team on campus and our connections to London's start-up community will give you the experiences, opportunities and insight you are looking for.

“I’ve been able to reach out to different companies and gain an insight to their day-to-day operations and challenges. It’s something that most people would never get to do.”

Lauren
MSc Sport Business and Innovation

LOUGHBOROUGH SCHOOLS AND DEPARTMENTS

Renowned for its ability to drive real-world change, Loughborough's academic community is built on a shared commitment to developing ground-breaking knowledge and establishing pivotal partnerships within industry.

As a postgraduate student here, you will benefit not only from working with world-leading scholars and like-minded peers, but also from access to high quality professional and pastoral support to help you achieve your ambitions.

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International Relations, Politics and History	120
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Physics	144
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Jennifer

PhD student

"I enjoy how much autonomy I have over my work. This really enables me to develop as an independent researcher. I have also taken up many opportunities to progress and learn new skills from the courses on offer in the Doctoral College."

Our programmes

Research opportunities PhD	p46
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Our courses are accredited by:



Aeronautical and Automotive Engineering

The Department of Aeronautical and Automotive Engineering is an engineering specialist centre for teaching and research.

Research with impact

The Department has a strong and expanding research provision centered on four major research groups. The groups cover a broad range of areas, from the development of new low emissions combustion systems for gas turbine engines through to fundamental investigations into control and safety of autonomous and connected vehicles.

Partnerships

We have an impressive number of strong strategic partnerships within the sector which aim to bridge the gap between academia and industry. The Rolls-Royce University Technology Centre (UTC) in Combustion System Aerothermal Processes and the Caterpillar Innovation and Research Centre (IRC) in engine systems are both situated within the Department. We also have excellent links with a range of other top engineering companies, including BAE Systems, Bentley, Caterpillar, Cenex, Ford Motor Company, Jaguar Land Rover, Lotus Group, Marshall Aerospace and Defence Group, Mercedes, MIRA, Nissan, Rolls-Royce and Red Bull Racing.

World-class facilities

The £14 million state-of-the-art facilities include laboratories, workshops, wind tunnels, a flight simulator and a technical display area with a BAE Systems Hawk aircraft. In addition there is an anechoic chamber; indoor UAV testing; structures testing facilities; gas-turbine engines; eight purpose built engine test cells; 6-axis simulator (road and aircraft); chassis dynamometer and numerous instrumented test vehicles. The £17 million STEMLab is adjacent to the Department and offers first-class engineering, science and materials laboratories, forming a truly cutting-edge learning facility.

Accreditation

Teaching and research is shaped by industry and partner feedback, ensuring our graduates are prepared for the global job market. Accreditation by the Institution of Mechanical Engineers (IMechE) and the Royal Aeronautical Society (RAeS) facilitates progression towards professional chartered status (CEng) after a period of relevant graduate-level employment.

Equality and diversity in STEM

We are committed to creating a diverse and inclusive working, learning, social and living environment that enables students to achieve their potential and which celebrates and encourages diversity. Our aim is to maximise opportunities for all.



TOP 5 IN THE UK
FOR MECHANICAL
ENGINEERING (INCLUDING
AERONAUTICAL AND
AUTOMOTIVE ENGINEERING)
THE GUARDIAN
UNIVERSITY GUIDE 2021



TOP 10 IN THE UK
FOR MECHANICAL
ENGINEERING (INCLUDING
AUTOMOTIVE ENGINEERING)
THE TIMES AND SUNDAY
TIMES GOOD UNIVERSITY
GUIDE 2021



TOP 10 IN THE UK
FOR AERONAUTICAL
AND MANUFACTURING
ENGINEERING
THE TIMES AND SUNDAY
TIMES GOOD UNIVERSITY
GUIDE 2021



TOP 100 IN THE WORLD
FOR ENGINEERING
(MECHANICAL,
AERONAUTICAL AND
MANUFACTURING)
QS WORLD UNIVERSITY
RANKINGS BY SUBJECT 2021

Research opportunities

PhD: 3 years full-time; 6 years part-time

Entry requirements: A 2:1 honours degree or equivalent international qualification in engineering, mathematics or science.

Fees: UK: see website International: £25,100

Built on a long successful history, our mission is to deliver world-leading excellence in research, providing translational and transformative technological developments essential for the survival and evolution of the aeronautical and automotive sectors. The department benefits from a unique mix of internationally renowned expertise, along with strong industrial partnerships, contributing to its research rich culture. As a PhD student, you will have the opportunity to not only become an independent researcher, but to create a support network of life-long peers and develop national and international alliances in your chosen research field.

State-of-the-art research facilities

The extensive enhancement of the departmental laboratories has ensured that our experimental research capability is state-of-the-art. This includes a new autonomous systems laboratory with indoor unmanned aerial vehicle (UAV) testing and extensive vehicle instrumentation. There is now an integrated powertrain, propulsion, energy conversion and storage laboratory, with whole vehicle hub-dynamometer, new electrified powertrain test capability, battery emulation and extreme temperature battery testing capabilities.

Building on our existing world class facilities, these investments are further enriching our internationally recognised research. The newly opened National Centre for Combustion and Aerothermal Technology (NCCAT) strengthens our world-leading capability of research excellence in low emission aero gas turbines. Access to the High-Performance Computing centre (HPC Midlands Plus) gives unparalleled processing and big data analytical capabilities for computational research.

Our areas of research

Connected and autonomous transportation

Building on an already internationally recognised research pedigree in control of autonomous vehicles, this now extends to tackle the challenges of connected and autonomous transportation. With technological advances investigated in in-vehicle systems, vehicle to vehicle systems and vehicle to infrastructure, improving safety, decreasing congestion and increased freedom of movement is our forecasted impact. In the air, revolutionising health monitoring, risk analysis and mitigation, improved swarm/fleet technology and control, and exploration to new domains (ie agriculture) and their challenges give plentiful opportunity for inspired research.

Advanced simulation modelling and data-driven engineering

The rapidly changing landscape of automotive technology, including electrification, connectivity and a zero physical prototyping ambition provides the exciting challenge of a new comprehensive approach to digital vehicle engineering. Providing a platform for integrated, hardware-in-the-loop simulation, development of sustainable and reliable digital twins, coupled with the latest artificial intelligence and data-driven methods form the strategic research direction for digital tools that provide a more flexible and ambitious approach for all stages of the design, product development and manufacturing process.

Alternative powertrains for transport energy reduction

With the surge for greater eco-friendliness, the emergence of alternative powertrains is key to the future transportation mix. Our research explores the breadth of options, with full electrification, hybrid technology, battery modelling, and hydrogen fuel cells. With the current predominance in the automotive sector for both personal and public transportation, movements to explore the design of hybrid, self-generating and super-fast charging systems for electric aircraft provide new and exciting opportunities. Maximising the decarbonisation of transport in a sustainable way is critical, where degradation phenomena, system health monitoring, integrated through-life support, infrastructure and economic viability also pose challenging research agendas.

Net-zero combustion

One future-proof focus for next generation transportation is tackling the reduction of emissions. Complex aerodynamic research on novel gas turbine combustor designs for future aircraft, through both experimental and computational studies, is carried out alongside our long-established Rolls-Royce University Technology Centre and within the EPSRC Centre for Doctoral training in Future Propulsion and Power, in partnership with Oxford and Cambridge. On the automotive side, drag reduction through innovative aerodynamic design, supported by Jaguar Land Rover, and dynamic platooning architectures, coupled with radical developments and research innovations in automotive engine design, lightweight structures and composite materials, combine to create a future vehicle with net-zero emission potential.

Taught programmes

Automotive Engineering

MSc

Full-time length: 1 year

Part-time length: 3 years

Entry requirements: A 2:1 honours degree or equivalent international qualification in automotive, aeronautical, mechanical, or electrical engineering or a related discipline. Applicants with qualifications slightly below with experience in the automotive industry will be considered.

Fees: UK: £11,900 International: £26,500

Programme overview

Created with industry partners, including Ford and Jaguar Land Rover, the programme aims to develop your skills and knowledge of the next generation of vehicles and prepare you for a career in the fast-paced automotive sector. You will have access to MIRA proving ground, and use MATLAB, and Simulink software for technical computation.

Modules

Study areas may include: Autonomous Vehicles, Body Engineering, Hybrid and Electric Vehicles, Vehicle Dynamics, Vehicle Aerodynamics, Vehicle Performance and an individual research project.

How you will be assessed

You will be assessed by a combination of case studies, coursework, interactive tests, group work, laboratory reports, presentations and a dissertation.

How you will study

You will study through a range of group work, independent study, lectures, practical sessions and workshops, seminars, supervisions and tutorials. The programme is taught using a combination of semester long and block taught, and it requires significant independent work in addition to the scheduled contact hours.

Career prospects

We are committed to helping you develop the skills and attributes needed to progress successfully in your chosen career. Sought after by a wide range of companies, our graduates are employed by Airbus, Cummins, Deloitte, Jaguar Land Rover, Rolls-Royce and Sky. Roles include: Software Engineer, Structural Dynamics Engineer, Purchase Engineer, and Engineering Consultant in Motorsports.

Joshua

Low Energy Building Services Engineering MSc
alumnus and current PhD student

“I received an internship offer from Mitsubishi Electric R&D Centre Europe thanks to Loughborough’s excellent industry links. My duties involved analysing the indoor environmental quality data and evaluating the thermal comfort in their office space.”

Our programmes

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Architecture MArch	p51
Civil Engineering MSc	p51
Construction Management MSc	p52
Construction Project Management MSc	p52
Construction Project Management with Building Information Modelling MSc	p53
Intelligent Transport Systems MSc	p53
Low Energy Building Services Engineering MSc	p54
Sustainable Design and Construction MSc	p54
Water Engineering for Development MSc	p55
Water Management for Development MSc	p55

Architecture, Building and Civil Engineering

The School of Architecture, Building and Civil Engineering is a leading integrated centre for research and teaching for the built environment. It contains the highest ranked and most research-intensive building energy research group in the UK according to the UK Government’s most recent Research Excellence Framework (REF, 2014).

Research with impact

We play a key role in the UK Collaboratorium for Research on Infrastructure and Cities (UKCRIC), hosting the UKCRIC National Facility for Infrastructure Construction. We also have a world-leading reputation in the development of additive manufacturing methods for construction, for flood modelling and for developing path planning algorithms for intelligent transport systems.

Partnerships

We have an impressive number of strategic partnerships within the sector which aim to bridge the gap between academia and industry, with colleagues from industry contributing guest lectures to our teaching programmes. Our graduates secure a range of roles in a diverse set of organisations, including Arup, Atkins, Balfour Beatty, Kier Group, Morgan Sindall, Oxfam, Transport for London and WaterAid to name a few. The School is also a corporate affiliate member of the Association of Project Management.

World-class facilities

Students benefit from access to state-of-the-art teaching facilities and extensive laboratory space. Our 3,000m² open-plan laboratory space includes a robotics-based concrete additive manufacturing capability, environmental chambers and structural testing equipment for investigating the properties of building materials, hydraulics laboratories as well as a virtual reality suite.

Accreditation

Teaching and research is shaped by industry and partner feedback, which ensures that our graduates are well prepared for the ever-changing global jobs market. Accreditation by the relevant professional bodies in the UK (as detailed on the listing for each programme) facilitates progression towards Chartered Engineer (CEng) status after a period of relevant graduate-level employment.

Equality and diversity in STEM

We are committed to creating a diverse and inclusive working, learning, social and living environment that enables students to achieve their potential and celebrates and encourages diversity. Our aim is to maximise opportunities for all.



TOP 100 IN THE WORLD
FOR ARCHITECTURE/
BUILT ENVIRONMENT
QS WORLD
RANKINGS 2021



1ST IN THE UK
FOR BUILDING
THE TIMES AND SUNDAY
TIMES GOOD UNIVERSITY
GUIDE 2021



1ST IN THE UK
FOR RESEARCH QUALITY
IN BUILDING
THE TIMES AND SUNDAY
TIMES GOOD UNIVERSITY
GUIDE 2021



2ND IN THE UK
FOR ARCHITECTURE
THE TIMES AND SUNDAY
TIMES GOOD UNIVERSITY
GUIDE 2021



TOP 10 IN THE UK
FOR CIVIL ENGINEERING
THE GUARDIAN
UNIVERSITY GUIDE 2021



ATHENA SWAN
BRONZE
AWARD

Research opportunities

PhD: 3 years full-time; 6 years part-time

Entry requirements: A 2:1 honours degree or equivalent international qualification in a related discipline.

Fees: UK: see website International: £25,100

Our doctoral researchers are based in the Research Hub, a vibrant hot desking facility that encourages collaborative research. An active Hub Committee organises training and social events for all research students. Some will also benefit from access to our excellent facilities, including our 3,000m² of laboratory and high performance computing facility.

All doctoral researchers benefit from the support of two supervisors with expertise in the selected research area. The Director of Doctoral Programmes provides additional guidance and pastoral support. You will also be provided with a laptop, technician support, access to funds for travel and conference attendance. You will attend training courses to support your research as well as your professional and personal development, with opportunities to support undergraduate teaching through employment as a tutor/laboratory assistant.

Our areas of research

Architecture

LU-ARC welcomes research proposals on a wide range of architectural topics, especially around our strengths of building structures and materials, digital fabrication, adaptable architecture, history and theory, and urbanism and heritage. We also invite practicing architects with exciting research agendas to join our new practice-based PhD programme that combines a thesis submission with evidence of a practical contribution to the discipline.

For more details, please see:
lboro.ac.uk/pg/research/architecture

Building Energy

This research group focuses on measurement and modelling to produce healthy, high-quality indoor environments with lower energy demand and CO₂ emissions. The group work falls into three main sub themes: Building Components, High-Performance Building Engineering, and Policy Development.

Construction Management

One of the UK's longest established research groups specialising in delivering innovative solutions that enhance the construction, operation and maintenance of complex buildings and infrastructure. This research includes the performance and well-being of people, building sustainability, and Building Information Modelling (BIM). Its sub-themes are Digitisation, Whole Life Value and Asset Management, and Procurement and Project Delivery.

Geotechnics and Geomatics

Research in this area develops novel engineering solutions for sustainable and resilient infrastructure, and incorporates topics such as slope stability and the impact of climate change. Particular areas of interest include geotechnical infrastructure asset management and the impact of geohazards on the built environment.

Structures and Materials

Research in this area covers practical and theoretical approaches in the areas of Resilient Infrastructure and Cities, Modern Methods of Sustainable Construction, and Advancement of Digital Technologies. This includes greener concretes, more efficient structural design solutions, digital manufacturing, intelligent automation, and methods for determining the performance of engineering structures against earthquakes, fire and wind.

Transport and Urban Planning

This group conducts fundamental, innovative and policy-relevant research in the areas of Air Transport, Autonomous and Intelligent Transport, Passenger Transport, and Smart and Sustainable Cities.

Water Engineering

Research in this area covers Hydrodynamics, Hydrology, Disaster and Risk Management, Sanitation, Hygiene and Water Treatment as well as the Development of Sustainable and Resilient Water Infrastructure, including Management and Policy.

Centres for Doctoral Training

Centres for Doctoral Training (CDT) combine PhD research and an enhanced research training package into a four-year integrated programme. The School currently participates in two centres:

- EPSRC Centre for Doctoral Training in Water and Waste Infrastructure Systems Engineered for Resilience (Water-WISER), in partnership with the University of Leeds and Cranfield University.
- EPSRC Centre for Doctoral Training in Energy Resilience and Built Environment (ERBE), in partnership with University College London and Marine and Renewable Energy Ireland (MaREI).

Taught programmes

Architecture

MArch including Part 2 exemption from RIBA qualification

Full-time length: 2 years

Part-time length: Not available

Entry requirements: A 2:1 honours degree (or equivalent international qualification) in RIBA Part I, as well as an architectural portfolio submission and interview. Qualifications slightly below this level, alternative qualifications, and/or professional experience will also be considered.

Fees: UK: £9,250 per annum International: £25,700 per annum (reduced fees in the first year – 60% of the annual tuition fee)

Programme overview

The Architecture MArch programme brings together the knowledge and skills learnt in our highly esteemed BArch course with the very latest thinking and technologies in architecture and urban design to encourage students to be ambitious and innovative.

The new programme has been designed to meet the requirements of a Part 2 qualification in Architecture, in line with the Architects Registration Board (ARB) and the Royal Institute of British Architects (RIBA)'s accreditation processes, which is due to be completed at the time of the first graduating cohort, allowing graduates to be exempt from the Part 2 exam.

Each student has an allocated workspace in year two which allows cross-fertilisation of ideas for the formation of a lively, tight-knit, creative culture.

Modules

Year 1 (research- or work-based learning year in London) modules may include: M1 Design Studio, Reflective Practice, Contemporary Cities, and Transdisciplinary Design.

Year 2 (based in Loughborough) modules may include: M2 Design Studio, Global Future(s), Climate and Architecture, and a research project.

How you will be assessed

You will be assessed by a combination of essays, reports, individual and group presentations and installations, project-based portfolios, and a dissertation on an agreed topic.

How you will study

You will study through a range of work-based learning, lectures, workshops, seminars and site visits.

Career prospects

As a new programme, employment opportunities will build off the well-established relationships of the Architecture BArch course with companies such as Aukett Swanke, UK; Gensler, UK; Holmes Miller, China.

Civil Engineering

MSc

Full-time length: 1 year

Part-time length: 2-5 years

Entry requirements: A 2:1 honours degree (or equivalent international qualification) in a subject related to the built environment. Qualifications slightly below this level, alternative qualifications, and/or professional experience will also be considered.

Fees: UK: £11,900 International: £26,500

Programme overview

Civil engineers tackle some of the greatest challenges in contemporary society. They design and build structures and infrastructure for an increasingly urbanised global population in an ever-changing environment that needs to address the carbon challenge.

Our Civil Engineering MSc develops advanced numerical, analytical, design and management skills that are applied to real-life engineering problems. These skills, combined with specific technical expertise and critical thinking, will enable you to pursue a career in civil engineering, progress towards becoming a professionally qualified engineer, or choose from a wide range of other career options, including further doctoral study.

Upon graduation, you are likely to be part of a team working on a variety of infrastructure systems and buildings, from bridges and railways to skyscrapers and sports stadia. The unique multidisciplinary nature of this programme and School will allow you to secure roles in other disciplines that contribute to the construction cycle. Leading industry experts enrich the learning experience by giving guest lectures and providing real-life engineering challenges. By studying with us, you enter a stimulating, diverse and interactive environment.

Modules

Compulsory modules may include: Structures; Geotechnics; Hydraulics; and a research dissertation.

Optional modules may include: Construction Management; Autonomous Transport; Disaster Risk Management; and Geographic Information Systems.

How you will be assessed

You will be assessed by a combination of examination, coursework, group projects and presentations, as well as a dissertation on an agreed topic.

How you will study

You will study through a range of seminars, lectures, tutorials, independent study, group work, practical sessions, supervision, and workshops.

Career prospects

Graduates of similar programmes have gone on to work in companies including: AECOM; Arup; Atkins; Balfour Beatty; Kier Group; Laing O'Rourke; Mott MacDonald.

Construction Management

MSc

Full-time length: 1 year

Part-time length: 2-5 years

Entry requirements: A 2:1 honours degree (or equivalent international qualification) in a subject related to the built environment. Qualifications slightly below this level, alternative qualifications, and/or professional experience will also be considered.

Fees: UK: £11,900 International: £26,500

Programme overview

Our Construction Management MSc is the longest established postgraduate construction programme in the UK and the second oldest in the world. You will be able to draw on the wealth of experience and expertise acquired throughout the School's long history.

Construction projects have become more complex in our changing world, where there are increasing concerns regarding sustainability and social value. Hence, there has been a growing challenge to develop new expertise in construction management. The programme seeks to develop this expertise within students by providing a broad selection of topical modules.

The programme is accredited by the Royal Institution of Chartered Surveyors (RICS), the Chartered Institute of Building (CIOB) and the Joint Board of Moderators (Institution of Structural Engineers, Institution of Civil Engineers, Chartered Institution of Highways and Transportation, Institute of Highway Engineers).

Modules

Compulsory modules may include: Principles and Application of Building Information Modelling (BIM); Research Methods; Principles of Design and Construction; Principles of Project Management; and a research project.

Optional modules may include: Design Management; Sustainability in the Built Environment; Management of Construction Processes; Federated 3D BIM; Strategic Management in Construction; People and Teams; and Procurement and Contract Procedure.

How you will be assessed

You will be assessed by a combination of examination, coursework and presentations, as well as a dissertation on an agreed topic.

How you will study

You will study through a range of seminars, lectures, tutorials, independent study, group work, practical sessions, supervision and workshops.

Career prospects

The employment record of the programme is exemplary, with graduates securing employment in the UK and overseas. Recent graduates currently hold the following positions: Senior Estimator, Bouygues UK; Digital Engineer, Laing O'Rourke; Senior Consultant, Asite.

Construction Project Management

MSc

Full-time length: 1 year

Part-time length: 2-5 years

Entry requirements: A 2:1 honours degree (or equivalent international qualification) in a subject related to the built environment. Qualifications slightly below this level, alternative qualifications, and/or professional experience will also be considered.

Fees: UK: £11,900 International: £26,500

Programme overview

The Construction Project Management MSc delivers core technical project management expertise, while providing a holistic perspective upon construction project processes and the challenge of project management in complex building and infrastructure projects.

Competency in project management has become a crucial skill set, with many construction project managers functioning in a strategic and coordinating role in the delivery of the client's physical development and investment programme. This MSc further develops these competencies.

This programme is accredited by the Royal Institution of Chartered Surveyors (RICS), the Chartered Institute of Building (CIOB) and the Joint Board of Moderators (Institution of Structural Engineers, Institution of Civil Engineers, Chartered Institution of Highways and Transportation, Institute of Highway Engineers).

Modules

Compulsory modules may include: Principles and Application of Building Information Modelling (BIM); Research Methods; Principles of Design and Construction; Principles of Project Management; Design Management; Sustainability and the Built Environment; Management of Construction Processes; and a research project.

Optional modules may include: Strategic Management in Construction; People and Teams; Procurement and Contract Procedure; and Federated 3D BIM.

How you will be assessed

You will be assessed by a combination of examination, coursework and class presentations, as well as a dissertation on an agreed topic.

How you will study

You will study through a range of seminars, lectures, tutorials, workshops, group work, independent study and practical sessions.

Career prospects

The employment record of the programme is excellent, with graduates securing employment around the world. Recent graduates currently hold the following positions: Graduate Civil Engineer, J. Murphy & Sons Ltd; Sub Agent, Barhale Ltd; Design Manager, Laing O'Rourke; Project Planner, Skanska UK; Planning Manager, Mace; Site Manager, Balfour Beatty.

Construction Project Management with Building Information Modelling

MSc

Full-time length: 1 year

Part-time length: 2-5 years

Entry requirements: A 2:1 honours degree (or equivalent international qualification) in a subject related to the built environment. Qualifications slightly below this level, alternative qualifications, and/or professional experience will also be considered.

Fees: UK: £11,900 International: £26,500

Programme overview

The Construction Project Management with Building Information Modelling (BIM) MSc spans the technical and managerial sides of the discipline, while providing a digital approach to construction project processes and challenges using digital tools, platforms and underlying processes within BIM.

The programme is designed to further enhance and develop your project management expertise and BIM skills.

The programme is accredited by the Joint Board of Moderators (Institution of Structural Engineers, Institution of Civil Engineers, Chartered Institution of Highways and Transportation, Institute of Highway Engineers). It is also accredited by the Chartered Institute of Building (CIOB) in principle and subject to conditions.

Modules

Compulsory modules may include: Research Methods; Principles of Project Management; Principles and Application of BIM; Digital Buildings in a Global Design Context; Design Management; Federated BIM; Building Performance Evaluation and Monitoring; and a research dissertation.

Optional modules may include: Management of Construction Processes and Techniques; Strategic Management for Construction and Engineering; People and Teams; Construction Law and Contract Management; and Daylight Design and Simulation.

How you will be assessed

You will be assessed by a combination of examination, coursework and class presentations, as well as a dissertation on an agreed topic.

How you will study

You will study through a range of lectures, workshops, seminars, practical sessions, tutorials, group work and independent study.

Career prospects

Graduates of similar programmes currently hold the following positions: Digital Engineer, Laing O'Rourke; Design Co-ordinator, Galliford Try; Design Manager, Laing O'Rourke; Project Information Coordinator, Asite; 4D Engineer, InCo Projects Ltd.

Intelligent Transport Systems

MSc

Full-time length: 1 year

Part-time length: 2-5 years

Entry requirements: A 2:1 honours degree or equivalent international qualification in mathematics, engineering, transport or computer science. Qualifications slightly below this level, alternative qualifications, and/or professional experience will also be considered.

Fees: UK: £11,900 International: £26,500

Programme overview

The Intelligent Transport Systems MSc provides you with a comprehensive understanding of how transport systems, smart futures, data analytics and research are combined to reshape infrastructure and transform vehicles. The world is currently being radically altered by autonomous, connected and intelligent systems that are able to learn, adapt, take decisions and act independently of humans. Climate change, increasing incomes, urbanisation, poor air quality, a large number of traffic fatalities in our cities and an ageing population are all affecting the world we live in, providing the context that the transport system operates in.

You will be provided with the tools and methods to collect, analyse, represent and apply this new abundance of data to the transport system, taking into account the smallest changes to society and making it truly intelligent, connected and autonomous.

This new programme is seeking accreditation by the Chartered Institution of Logistics and Transport (CILT) to ensure it offers professional registration opportunities for all graduates.

Modules

Compulsory modules may include: Fundamentals of Intelligent Transport Systems; Modelling and Forecasting in the Built Environment; Smart Cities and Mobility; Connected and Autonomous Transport; Research Methods; Simulation and Visualisation; GIS and Data Management; and a research dissertation.

Optional modules may include: Organisation and People; and Disaster Risk Management.

How you will be assessed

You will be assessed by a combination of examination, coursework and class presentations, as well as a research dissertation on an agreed topic.

How you will study

You will study through a range of lectures, workshops, seminars, practical sessions, tutorials, group work and independent study.

Career prospects

Graduates of similar programmes currently work for organisations including: Highways England; Atkins; Go Ahead Group; WSP; Tracsis; Transport for London; Jacobs; Masabi.

Low Energy Building Services Engineering

MSc

Full-time length: 1 year
Part-time length: 2-5 years

Entry requirements: A 2:1 honours degree (or equivalent international qualification) in a subject related to the built environment. Qualifications slightly below this level, alternative qualifications, and/or professional experience will also be considered.

Fees: UK: £11,900 International: £26,500

Programme overview

The Low Energy Building Services Engineering MSc provides a comprehensive understanding of the principles and applications of low energy building, digital twins, heating, ventilation, and air conditioning (HVAC) and building services design. This enables graduates to contribute to the future of low energy solutions and artificial intelligence in the built environment.

Students work with the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) guidelines and participate in the ASHRAE Integrated Sustainable Building Design competition. The programme also provides you with additional qualifications such as the Building Research Energy Environmental Assessment Methodology (BREEAM) and HVAC CPD certificates.

The programme is accredited by the Chartered Institution of Building Services Engineers (CIBSE) and the Energy Institute (EI).

Modules

Compulsory modules may include: Wellbeing and Indoor Environment; Building Thermal Loads and Systems; Building Energy Supply Systems and District Energy Networks; Electrical Systems: Buildings and Renewable Energy; Thermal Modelling and 3D Building Information Modelling; Research Methods and a research dissertation in Building Performance.

Optional modules may include: Control and Commissioning for Low Energy Buildings; Low Energy Building Design; Design Management; People and Teams; and Federated Building Information Modelling.

How you will be assessed

You will be assessed by a combination of written exams, coursework, presentations and assignments.

How you will study

You will study through a range of seminars, lectures, independent study and practical sessions.

Career prospects

Graduates have gone on to work as graduate and senior engineers for leading engineering companies including: AECOM; Arup; Atkins; Cundall; Foster & Partners; Hoare Lea; Mott McDonald; Pick Everard.

Sustainable Design and Construction

MSc

Full-time length: 1 year
Part-time length: Not available

Entry requirements: A 2:1 honours degree (or equivalent international qualification) in a subject related to the built environment. Qualifications slightly below this level, alternative qualifications, and/or professional experience will also be considered.

Fees: UK: £11,900 International: £26,500

Programme overview

The Sustainable Design and Construction MSc is uniquely dedicated to developing construction managers' knowledge and expertise in sustainable practices.

The programme integrates contemporary construction management theory and practice with fundamental and interrelated sustainable design and construction. You will benefit from hands-on experience and knowledge to deepen your expertise for application within the public or private sector.

You will also have the additional opportunity to gain the Building Research Energy Environmental Assessment Methodology (BREEAM) qualification.

Modules

Compulsory modules may include: Digital Buildings in a Global Design Context; Research Methods; Principles of Design and Construction; Sustainable Design and Construction Theories, Principles and Assessment Tools; Low Energy Building Design; Integrated Sustainable Design and Construction Project; and a research dissertation.

Optional modules may include: Control and Commissioning for Low Energy Buildings; Design Management; Management of Construction Processes and Techniques; and Federated Building Information Modelling.

How you will be assessed

You will be assessed by a combination of presentations, coursework, exams and a dissertation on an agreed topic.

How you will study

You will study through a range of lectures, seminars, tutorials, group work, independent study, workshops and practical sessions.

Career prospects

Graduates from similar programmes have gone on to work in companies including: Arup; Atkins; BAM Nuttall Ltd; Balfour Beatty; Kier Group; Morgan Sindall; Skanska; Transport for London.

Water Engineering for Development

MSc

Full-time length: 1 year (distance learning available)
Part-time length: 3-5 years (distance learning only)

Entry requirements: A 2:1 honours degree (or equivalent international qualification) in engineering, science or mathematics. Qualifications slightly below this level, alternative qualifications, and/or professional experience will also be considered.

Fees: FT UK: £11,900 International: £26,500
PT: Please see website for further details

Programme overview

The Water Engineering for Development MSc is designed to establish and develop your career in water and sanitation engineering for low and middle income countries. You will be provided with multidisciplinary knowledge and skills to address the changing needs of the market.

Managed by our Water, Engineering and Development Centre (WEDC), our programmes are well-established and held in high regard by practitioners and employers from the national water sector and international development agencies.

This programme is accredited by the Chartered Institution of Water and Environmental Management (CIWEM) and the Joint Board of Moderators (JBM).

Modules

Compulsory modules may include: Water and the Natural Environment; Urban and Rural Water Supply Engineering; Flood Modelling and Management; Research Methods; Management of Water and Environmental Sanitation Infrastructure; Urban and Rural Sanitation Engineering; Groundwater Modelling and Management; and a research dissertation.

Optional modules may include: Advanced Wastewater Treatment; Disaster Risk Management; and Humanitarian Water, Sanitation and Hygiene Promotion.

How you will be assessed

You will be assessed by a variety of coursework assignments and a dissertation on an agreed topic.

How you will study

You will study through a range of lectures, tutorials, seminars and independent study.

Career prospects

This programme establishes a career path in the water and sanitation sectors. Graduates often work in Africa and Asia delivering water engineering solutions and establishing environmental sanitation infrastructure. They join the global community of over 1,000 WEDC alumni from over 70 countries who work for UNICEF, the World Bank and a variety of national governments and international agencies.

Water Management for Development

MSc

Full-time length: 1 year (distance learning available)
Part-time length: 3-5 years (distance learning only)

Entry requirements: A 2:2 honours degree (or equivalent international qualification), and/or full membership of a relevant professional institution.

Fees: FT UK: £11,900 International: £26,500
PT: Please see website for further details

Programme overview

The Water Management for Development MSc is designed to develop your career managing water and environmental sanitation services for low and middle income countries. You will be provided with the multidisciplinary knowledge and skills to plan, manage and monitor water and environmental sanitation services.

Managed by our Water, Engineering and Development Centre (WEDC), our programmes are well-established and held in high regard by practitioners and employers from international development and emergency and national water sector organisations.

This programme is accredited by the Chartered Institution of Water and Environmental Management (CIWEM) and the Joint Board of Moderators (JBM).

Modules

Compulsory modules may include: Water and the Natural Environment; Management of Village Water Services; Research Methods; Management and Operation of Water Utilities; Management of Water and Environmental Sanitation Services; Household and Communal Sanitation Management; Urban Sanitation Management; and a research dissertation.

Optional modules may include: Disaster Risk Management; and Humanitarian Water, Sanitation and Hygiene Promotion.

How you will be assessed

You will be assessed by a variety of coursework assignments and a dissertation on an agreed topic.

How you will study

You will study through a range of lectures, tutorials, seminars and independent study.

Career prospects

Graduates have gone on to work for international Non-Governmental Organisations, such as Médecins Sans Frontières (Doctors Without Borders), Oxfam, Save the Children, GOAL and WaterAid, at agencies such as UNICEF, or within national governments and consultancies.

Roles include Sanitation Technical Manager, Water and Sanitation Consultant, Environmental Engineering Consultant and Civil Engineering Specialist.

Justin
MSc Economics and Finance

“Studying at Loughborough has improved my critical thinking skills and given me the confidence to research and find solutions that may go against conventional wisdom.”

Our programmes

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Business and Economics

The School of Business and Economics is committed to developing well-rounded, highly sought-after graduates, equipped to succeed in today's global economy.

Triple-accredited

Consistently ranked as a top 10 UK business school by national league tables, the School is also among a small number of business schools in the world to hold AACSB, EQUIS and AMBA accreditation. These rankings and accreditations internationally validate the quality of education offered, from teaching and research to student support and facilities. We also hold the UK's Chartered Association of Business Schools' 'Small Business Charter' for our work in enterprise.

Outstanding research culture

Integral to the School's philosophy is developing research of the highest level that both informs academia and is instrumental in helping shape and influence the wider world. According to the latest Research Excellence Framework (REF), 75% of our business and management research output is considered 'world-leading' or 'internationally excellent'. Our inspiring and supportive academic community enables students and staff to explore the latest challenges confronting businesses and governments today.

Expert teaching

Our experiences of working with over 2,000 global corporate partners ensure our programmes are underpinned by the latest best practice and research. Many programmes also offer practical projects, guest lectures and workshops from industry partners, and extracurricular corporate masterclasses. Our students also benefit from being taught by expert academic staff, many of whom have first hand experience in business, finance, management and government policy.



5TH FOR ACCOUNTING
AND FINANCE
THE GUARDIAN
UNIVERSITY GUIDE 2021



6TH FOR BUSINESS,
MANAGEMENT AND
MARKETING
THE GUARDIAN
UNIVERSITY GUIDE 2021



TOP 150 IN THE WORLD
FOR BUSINESS AND
MANAGEMENT STUDIES
QS WORLD UNIVERSITY
RANKINGS 2021

Research opportunities

PhD: 3 years full-time; 6 years part-time

Entry requirements: A master's qualification in a relevant subject with an average programme mark of 65% or above or international equivalent and a good honours degree in a relevant discipline (minimum 2:1). In exceptional cases, substantial professional work experience/qualifications may also be taken into consideration.

Fees: UK: see website International: £19,200

At the School of Business and Economics you have the opportunity to study towards a PhD or MPhil in Business and Management, Economics or Information Science. As a doctoral researcher you will join whichever academic group best suits your research interests. Whether you are interested in microeconomics or corporate social responsibility, or want to research international marketing strategies, the School of Business and Economics is well-placed to provide the right opportunities for you, in order to realise your ambition.

Our areas of research

Academic Groups are the fundamental areas of teaching and research in which individual staff members are grouped, Research Centres represent the key areas of our research strength, and Research Interest Groups are emerging areas of research.

Academic Groups

Research staff and doctoral researchers are all placed within one of the School's seven Academic Groups.

Accounting and Finance

This group's research interests span a broad spectrum of methodologies ranging from social science-orientated techniques to applied financial economics. The key objective of group members is to produce research that is rigorous but also relevant to contemporary accounting and finance issues/debates. The group's areas of expertise are: corporate finance, financial markets, management accounting and corporate governance and sustainability. Many group members possess professional as well as academic qualifications. A number of group members serve/have served on prestigious academic and practitioner boards, as well as holding editorial positions in key academic journals in their respective fields.

Economics

The Economics academic group undertakes rigorous and relevant applied research in microeconomics, macroeconomics and econometrics, with a view to applying the powerful and flexible tools of economics to both understand and inform the economic decisions of individuals, firms, governments and other institutions. The group's research interests and expertise span five key areas: applied econometrics and productivity analysis; financial economics and banking; monetary economics and development; international economics and trade; and industrial economics.

Information Management

The research carried out by this group is led by the Centre for Information Management. The Centre undertakes world-leading research on the effective management of information and knowledge assets, investigating big data, mobile technologies, email, social networks and social media, open and linked data, knowledge management in the voluntary sector and much more.

International Business, Strategy and Innovation

This group comprises teachers and researchers whose work draws on multiple disciplines including economics, sociology, psychology, anthropology and political science. The group is committed to the advancement of world class management scholarship and to the development of ideas that will help managers make better sense of some of the most complex problems of globalisation and the technology revolution.

Management Science and Operations

This group is multidisciplinary, bringing together expertise in operations, systems and decision making. The group is committed to improving management practice by designing and implementing analytic approaches that help tackle routine, strategic or policy problems. The approaches are typically supported by models that can often be represented mathematically or visually and built using specialist software.

Marketing and Retailing

This group is extremely successful in advancing knowledge in marketing and retailing through high quality academic and applied research with an international perspective. Key areas of expertise include: export marketing and performance measurement, international marketing strategy and competitive positioning, retailing and sales management, marketing ethics, product and service innovation and adoption, cross-cultural perceptions of product newness and consumer behaviour in international contexts.

Work and Organisation

This interdisciplinary social science teaching and research group brings together academics interested in a broad range of 'people management' issues. Psychology and sociology are major disciplinary influences but historical and geographical approaches may also be taken. The group conducts research in the areas of organisation studies, work psychology and employment relations. Output ranges from traditional academic scholarship to work with a significant impact on public policy and management.

Research Centres

The School has developed collaborative Research Centres to further enhance its international reputation. These Centres are key components of the School's research agenda and aim to be instrumental in shaping policy and practice across both the public and private sector.

Centre for Corporate Entrepreneurship and Innovation

This is a joint research centre between the School of Business and Economics and the Institute for Innovation and Entrepreneurship at Loughborough University London. Through research, engagement and international partnerships, the Centre provides research and practice-based insights on how executives build, manage and sustain the innovative organisations.

Centre for Information Management

The Centre's main purpose is to undertake internationally recognised research for the benefit of the individual, organisations, government and society. It aims to evidence the significance and value of information, challenge thinking and practice around information management, and improve performance through analysis, interpretation and judgement of information.

Centre for Productivity and Performance

This Centre focuses on research in different fields of productivity, efficiency and performance measurement, and related areas, such as industrial organisation and decision and risk analysis. Its research aims to assist decision and policy makers in evaluating and improving the performance of firms and public sector bodies.

Centre for Service Management

The Centre engages in applied research and scholarship to support the design, engagement and transformation of service organisations, conducting research that matters to organisations across the sectors. It provides new knowledge to inform academics and educate managers through the exploration of theory and practice of service management; and pursues collaborative partnerships in the area of service management.

Centre for Work, Organisation and Society

The Centre aims to contribute to leading national and international debates on work, employment and organisations in society. Researchers draw on multidisciplinary perspectives that enable inquiry into psychological, cultural, technological, geographic, political economy and social dimensions of people at work and the organisation of production.

Centres for Doctoral Training

Centres for Doctoral Training (CDT) integrate PhD research and an enhanced research training package into a four-year integrated programme. The School of Business and Economics is part of the new EPSRC Centre for Sustainable Hydrogen (SusHY) in partnership with Nottingham, Birmingham and Ulster. The School is also part of the University funded CITHET Centre for Doctoral training to understanding cultures of equality, diversity, and inclusivity (EDI) in higher education.

Doctoral Training Partnership (DTP)

The School of Business and Economics is proud to be part of the ESRC Midlands Graduate School DTP in partnership with Warwick, Nottingham, Birmingham, Aston and Leicester.

Research Interest Groups

Research Interest Groups are individual clusters of faculty, researchers and PhD students working on a common research theme. These groups evolve over time and represent emerging areas of research strength within the School:

- Behavioural Decision Sciences
- Health and Wellbeing
- Knowledge and the Digital Economy
- Logistics and Transportation Analytics
- Money and Developing Economies
- Simulation Practice
- Town Centres
- Trade Agreements, Negotiation Strategy, Investment and Technology (TRANSIT)
- Wine Business

Taught programmes

The Loughborough Full-Time MBA

MBA

Full-time length: 1 year or 2 years with internship
Part-time length: Not available

Entry requirements: Minimum of three years' management/professional experience plus a 2:2 honours degree or equivalent international qualification or membership of an approved Chartered Institute or a Diploma in Management Studies. Please see website for full details.

Fees: UK: £30,500 International: £30,500

Programme overview

Our Full-Time MBA equips you with the skills to take your career to the next level. We guide you through a transformational experience that enables you to fulfil your potential.

You will learn how to manage complex organisational issues, devise creative solutions to real business challenges, get the most out of a team and how to lead and manage innovative change in demanding, global markets.

Modules

Compulsory modules may include: Business Economics; Accounting and Performance Management; Managing People; Business Analytics; Strategic Marketing; Decision Making for Leaders; Leading Organisations; Managing Innovation; Operations Management; Leading Strategic Change; Business Administration Project and Research Methods or Work-Based Learning Project and Research Methods; and Professional Development Sessions.

Optional modules may include: Corporate Finance; Entrepreneurship in the 21st Century; Information Systems: Strategy and Management; Managing Corporate Reputation; Managing the Global Firm; Project Management; Managing Sports Organisations, European Summer School in Advanced Management (ESSAM); and International Intensive Study Period (additional fees may apply for this module and for ESSAM).

Those doing a 45-52 week Professional Internship in Year 2 will continue the Work-Based Learning Project and Research Methods from Year 1.

How you will be assessed

You will be assessed by a combination of exams and coursework, both group and individual.

How you will study

You will study through face-to-face teaching, seminars, tutorials, independent study, group work, field trips and workshops.

Career prospects

This internationally-recognised transformational MBA is ideal for professionals with managerial or leadership ambitions.

The Loughborough Executive MBA

MBA

Full-time length: Not available
Part-time length: Up to 4 years (typically 3 years)

Entry requirements: Minimum of five years' management/professional experience plus a 2:2 honours degree or equivalent international qualification or membership of an approved Chartered Institute or a Diploma in Management Studies. Please see website for full details.

Fees: UK: £30,500 International: £30,500

Programme overview

Our Executive MBA equips experienced professionals with the skills to take their career to the next level. We guide you through a transformational experience that enables you to fulfil your potential.

You will learn how to manage complex organisational issues, devise creative solutions to real business challenges, get the most out of a team, and how to lead and manage innovative change in demanding, global markets. You will learn alongside experienced high achievers from a range of sectors and share some modules with our internationally diverse Full-Time MBA students. Specialist pathways exist for those looking to tailor their MBA studies, including a Sports Management pathway for those working in sports organisations, NGOs and sports businesses.

Modules

Compulsory modules may include: Personal Effectiveness; Accounting, Financial Management and Economics; Managing People; Strategic Marketing; Business Analytics; Decision Making for Leaders; Managing Innovation; Operations Management; Leading the Organisation: Leading People; Leading the Organisation: Strategy, Governance and Markets; Leading Strategic Change; and Work-Based Learning Project and Research Methods, or Sports Management Work-Based Learning Project.

Optional modules may include: Corporate Finance; Entrepreneurship in the 21st Century; Information Systems: Strategy and Management; Managing Corporate Reputation; Managing the Global Firm; Project Management; Managing Sports Organisations, European Summer School in Advanced Management (ESSAM); and International Intensive Study Period (additional fees may apply for this module and for ESSAM).

How you will be assessed

You will be assessed by a combination of exams and coursework, both group and individual.

How you will study

You will study through face-to-face block study and online learning.

Career prospects

This transformational MBA is ideal for working professionals with higher managerial or leadership ambitions.

Strategic Leadership

MSc

Full-time length: Not available
Part-time length: 3 years

Entry requirements: Minimum of three years' management/professional experience plus a 2:2 honours degree or equivalent international qualification or membership of an approved Chartered Institute or a Diploma in Management Studies. Those without a degree may be invited to interview. Please see website for full details.

Fees: UK: £15,000 International: Not available

Programme overview

To perform well, all organisations rely on talented and well-informed executives at a number of levels to make good decisions. This part-time MSc in Strategic Leadership is designed to equip experienced professionals with the management and leadership capabilities they need and is suitable for managers from all functions and all industry sectors. You will develop essential skills in the areas of managing risk and governance, managing and leading people, leading organisational change, allocating and evaluating use of organisational resources, and business improvement. Our aim is to develop innovative, self-assured, resilient leaders who are ready to overcome the challenges of today's business environment. This MSc is deliberately challenging and is designed to stretch participants and teach them how to apply management theory in practice, adapt to new scenarios and implement effective solutions. At each stage of the programme, you will be asked to draw on your work experience and to apply your learning within your own organisational context.

Modules

Compulsory modules may include: Personal Values and Effectiveness; Strategy, Governance and Risk; Managing Organisational Resources; Information Management; Business Improvement Through Innovation; Strategic Marketing; Leading and Influencing Change; Business Project.

How you will be assessed

You will be assessed by a combination of coursework, presentations and group projects.

How you will study

You will study through face-to-face block study and online learning.

Career prospects

This MSc offers substantial leadership development benefits to both the individual taking the degree and their employer.

Senior Leader Level 7 Apprenticeship

With pathways to MSc in Strategic Leadership and The Loughborough Executive MBA

Full-time length: Not available
Part-time length: 2 years for the Senior Leader Apprenticeship and Postgraduate Diploma
3 years for the top up pathway to full MSc in Strategic Leadership or The Loughborough Executive MBA

Entry requirements: Minimum of three to five years' management/professional experience (depending on which pathway you opt for) plus a 2:2 honours degree or equivalent international qualification or membership of an approved Chartered Institute or a Diploma in Management Studies. This pathway is open to candidates without a degree, but you meet the necessary requirements. The Government require evidence of Maths and English at Level 2 (GCSE Grade C /4 or above).

Fees: UK: 2 Year Senior Leader Apprenticeship and Postgraduate Diploma £14,000, which is funded through the Apprenticeship levy.

Programme overview

Specifically designed to meet the Level 7 Senior Leader Apprenticeship Standard, this part-time programme enables organisations and employees to utilise their Apprenticeship Levy to develop the management and leadership capabilities required to lead at a senior level.

After successfully completing the two-year Diploma and End Point Assessment students can choose to study for one further year by continuing onto the MSc in Strategic Leadership or The Loughborough Executive MBA.

Modules

For further information about programme content and modules please see the Apprenticeship pathway web pages for The Loughborough Executive MBA and MSc in Strategic Leadership.

How you will be assessed

You will be assessed by a combination of coursework, presentations and group projects.

How you will study

Modules are delivered in a block format adopting a blended learning approach, utilising face-to-face and online delivery formats.

Career prospects

This qualification is designed to benefit both employer and employee by equipping participants with the knowledge, skills and behaviours required to operate effectively in a senior management and leadership role.

Business Analytics

MSc

Full-time length: 1 year

Part-time length: Not available

Entry requirements: A 2:1 honours degree or equivalent international qualification. Strong quantitative ability is required. Degrees in engineering, mathematics, physics, economics, and business and management are particularly welcomed. Those without a first degree but with substantial work experience may be considered. Please see website for full details.

Fees: UK: £15,000 International: £26,000

Programme overview

Our Business Analytics MSc equips you with the rigorous modelling and consulting skills needed to understand, manage and communicate useful insights from big data.

The programme will enable you to consult with organisations and governments to help them make informed strategic business or policy decisions. You will be taught by internationally recognised management scientists who work with business, government and non-profit organisations.

Our industrial collaborators (including TUI, npower, BT, IBM, SAS, British Airways, and UK Government departments) help ensure our modules are both practically relevant and academically robust, delivering workshops and guest talks.

The supervised consulting or research project gives you the opportunity to apply powerful tools such as data mining, forecasting, optimisation, simulation and decision analysis to a particular area of business or policy.

Modules

Modules studied may include: Skills for Consulting Projects; Discovery Analytics; Managerial Decision Modelling; Managing Big Data; Customer Analytics; Logistics Modelling and Operations Analytics; Policy and Strategy Analytics; Process and Programming for Analytics; and an Analytics Project.

How you will be assessed

You will be assessed by coursework and/or exams.

How you will study

You will study through a range of seminars, lectures, tutorials, independent study, group work, practical sessions, supervision and workshops.

Career prospects

Typical graduate destinations include careers as management consultants, business analysts, policy analysts, marketing researchers, operations researchers and data scientists.

Business Psychology

MSc

Full-time length: 1 year

Part-time length: 2-4 years

Entry requirements: A 2:1 honours degree or equivalent international qualification with a substantial business, management or cognate social science component, and evidence of numerical proficiency demonstrated through the study of mathematical or statistical subjects. Applicants with a 2:2 or from a different discipline may be considered with relevant work experience. See website for full details.

Fees: UK: £11,900 International: £26,500

Programme overview

Our Business Psychology MSc programme is accredited by the Association for Business Psychology.

Taught by experienced researchers and practitioners, you will learn in-depth how to apply the science of psychology to important business issues, including change management, employee selection and development, leadership, work motivation, well-being and performance.

You will develop skills in critical thinking, consultancy and working with organisational stakeholders, enabling you to operate effectively at all levels within organisations. You can complete a research project that allows you to apply this knowledge to an organisational issue or instead conduct a focused literature review that examines how psychological research and theory may be applied to a contemporary business problem.

Modules

Modules studied may include: Gathering and Using Evidence in Work Psychology; Leadership and Performance Management; Employee Engagement, Motivation and Voice; Wellbeing and Work; Work Design, Organisation Change and Development; Psychological Assessment in Organisations; Career Development; Learning, Development and Knowledge Management; and an Empirical Research Project in Work Psychology or a dissertation in Business Psychology.

How you will be assessed

You will be assessed through group and individual coursework.

How you will study

You will study through a range of online learning, seminars, lectures, tutorials, independent study, group work and supervision.

Career prospects

Typical graduate roles for this programme include HR consultant and business psychologist, talent acquisition specialist, regional sales manager, executive assistant, HR coordinator and associate consultant.

Corporate Finance

MSc

Full-time length: 1 year

Part-time length: Not available

Entry requirements: A 2:1 honours degree or equivalent international qualification in business, accounting, maths, physics, engineering, computing, economics or a minor in finance. Please see website for full details.

Fees: UK: £15,000 International: £26,000

Programme overview

Our Corporate Finance MSc is an applied master's programme that will provide you with the tools to evaluate corporate finance issues and to improve financial management practice.

This programme is designed to equip you for a variety of corporate finance and consultancy roles by combining up-to-date teaching on current practices in the financial sector with rigours academic research. Our Trading Room, with Thomson Reuters Eikon financial trading software, enables you to practically apply concepts you have learned. You will be taught by internationally renowned academics who are experts in research and hold advisory roles on government policy and in industry.

The programme is accredited by the Chartered Institute of Management Accountants (CIMA) and offers eleven exemptions from CIMA's professional examinations.

Modules

Compulsory modules may include: Principles of Finance; Financial Markets and Institutions; Financial Reporting and Company Performance; Economic Data Analysis; Corporate Finance; International Financial Management; Performance Appraisal and Stock Valuations; Business Communication for Finance; Corporate Governance and Responsibility; Advanced Corporate Finance; and Corporate Financial Analysis.

Optional modules may include: Open Data and Distributed Finance; Business Economics; Portfolio Management; and Small Business and Entrepreneurship.

How you will be assessed

You will be assessed by coursework and/or exams.

How you will study

You will study through a range of seminars, lectures, tutorials, independent study, group work, practical sessions, supervision and workshops.

Career prospects

Our Corporate Finance MSc is ideal for graduates seeking a career in the treasury department of a large company, the corporate finance team of an investment bank, a management consultancy role with a finance focus or an advisory role with an accounting or professional services company.

Economics and Finance

MSc

Full-time length: 1 year

Part-time length: Not available

Entry requirements: A 2:1 honours degree or equivalent international qualification in economics, finance, business, management, management science, operations research or related subjects. Applicants from other disciplines will also be considered provided that your degree includes at least introductory modules in economics and an introduction to quantitative subjects such as calculus and statistics. Please see website for full details.

Fees: UK: £11,900 International: £26,500

Programme overview

Our Economics and Finance MSc will provide you with the capability to apply modern macroeconomic, microeconomic and econometric methods in order to assess and shape organisational, government and financial policy.

You will develop the key skills of a professional economist for careers in banking, government (central banking and treasury), international business, consultancy and academia.

You will study economic theory and policy, the actions of governments, firms, households and intermediaries in national and global money, bond and foreign exchange markets.

You will examine both the microeconomic impacts for firms and the macroeconomic implications for the global economy and will develop advanced theoretical and quantitative skills, as well as valuable transferable skills.

Modules

Core modules may include: Financial Economics; Microeconomic Theory and Behaviour; Macroeconomic Policy and Financial Markets; Introduction to Data Analysis; Applied Financial Econometrics; International Money and Finance; Corporate Finance; and an economics research project.

Optional modules may include: Open Data and Distributed Finance; Derivatives and Risk Management and Open Data and Distributed Finance.

How you will be assessed

You will be assessed by coursework and exams.

How you will study

You will study through lectures, seminars, group work, feedback forums, one-to-one sessions with programme tutors and workshops.

Career prospects

Our Economics and Finance MSc is ideal for graduates interested in careers in banking, finance, government, international organisations, business, management consultancy and economic consultancy.

Finance and Investment

MSc

Full-time length: 1 year

Part-time length: Not available

Entry requirements: A 2:1 honours degree or equivalent international qualification in business, accounting, maths, physics, engineering, computing, economics or a minor in finance. 2:1 grades are required in quantitative modules. Please see website for more details.

Fees: UK: £16,700 International: £28,500

Programme overview

Our Finance and Investment MSc is designed to fast-track the careers of graduates from non-finance backgrounds with ambitions to work in investment management, investment banking and related sectors.

The programme will provide you with the practical tools to evaluate issues facing financial market participants and to improve the practice of investment and risk management. It focuses on both the trading and portfolio management sides of finance and has a substantial focus on investment within core modules. Our Trading Room, with Thomson Reuters Eikon financial trading software, enables you to practically apply concepts you have learned during the programme.

This master's has recently been included in the CFA (Chartered Financial Analyst) Institute University Affiliation Program. It is also accredited by the Chartered Institute of Management Accountants (CIMA) and offers eleven exemptions from CIMA's professional qualifications.

Modules

Compulsory modules may include: Principles of Finance; Financial Markets and Institutions; Financial Reporting and Company Performance; Economic Data Analysis; Portfolio Management; Derivatives and Risk Management; Performance Appraisal and Stock Valuations; Business Communication for Finance; plus three from Financial Trading; Global Investment Analysis; Corporate Governance and Responsibility; and a financial market project.

Optional modules may include: Open Data and Distributed Finance; Corporate Finance; International Financial Management; Applied Financial Econometrics; and Business Economics.

How you will be assessed

You will be assessed by exams and coursework.

How you will study

You will study through a range of seminars, lectures, tutorials, independent study, group work, practical sessions, supervision and workshops.

Career prospects

Graduates from this programme are highly sought after and work in a wide range of finance roles with many of the major global banks and asset management firms.

Finance and Management

MSc

Full-time length: 1 year

Part-time length: Not available

Entry requirements: An honours degree (good 2:2 of 55% or above) or equivalent international qualification in a non-finance discipline. Additional requirements apply. Please see website for more details.

Fees: UK: £15,000 International: £26,000

Programme overview

Our Finance and Management MSc programme is designed to fast-track the careers of graduates from non-finance backgrounds who want to pursue a career in financial management for commercial and non-commercial organisations.

Taught by renowned research-active academics, you will develop an understanding of business and management by studying across a range of areas, including marketing, human resources, accounting, strategic management and, in particular, finance. Your financial knowledge and skills will be further developed within accounting and finance modules. The programme is accredited by the Chartered Institute of Management Accountants (CIMA) and offers at least six exemptions from CIMA's professional examinations.

Modules

Compulsory modules may include: Corporate Finance Fundamentals; Marketing in the Organisation; Accounting and Performance Measurement; Human Resource Management; Personal Development for Study and Employability; Financial Theory and Corporate Policy; and International Financial Management.

Optional modules may include: Business Economics; Business Environment Analysis; Performance Appraisal and Stock Valuations; Small Business and Entrepreneurship; Business Forecasting; and Services and Retail Management.

In the summer semester you may complete modules in Current Issues in Finance and Global Strategic Management, plus one optional module from Financial Derivatives or Corporate Governance and Responsibility.

How you will be assessed

You will be assessed by coursework and exams.

How you will study

You will study through a range of seminars, lectures, tutorials, independent study, group work, practical sessions, supervision and workshops.

Career prospects

Graduates of this programme include Financial Traders, Brokers, Bank Management Trainees, Chartered Accountants, and Analysts.

Finance

MSc

Full-time length: 1 year

Part-time length: Not available

Entry requirements: A 2:1 honours degree or equivalent international qualification in business, accounting, maths, physics, engineering, computing, economics or a minor in finance. 2:1 grades are required in quantitative modules. Please see website for more details.

Fees: UK: £16,700 International: £28,500

Programme overview

Our Finance MSc is an applied, broad-based programme that will equip you with the knowledge and skills to work in a wide range of finance roles. You will learn both how to evaluate financial issues and to improve the practice of finance. You will gain an understanding of corporate finance and investment topics, with the option to choose modules specialising in international finance.

Our Trading Room, with Thomson Reuters Eikon financial trading software, enables you to practically apply concepts you have learned during the programme. This master's has recently been included in the CFA (Chartered Financial Analyst) Institute University Affiliation Program. It is also accredited by the Chartered Institute of Management Accountants (CIMA) and offers eleven exemptions from CIMA's professional qualifications.

Modules

Compulsory modules may include: Principles of Finance; Financial Markets and Institutions; Financial Reporting and Company Performance; Economic Data Analysis; Corporate Finance; Portfolio Management; Business Communication for Finance; plus three from Advanced Corporate Finance; Corporate Financial Analysis; Financial Trading; Global Investment Analysis; Corporate Governance and Responsibility; and a financial market project.

Optional modules may include: International Financial Management; Performance Appraisal and Stock Valuations; Derivatives and Risk Management; Open Data and Distributed Finance; Business Economics; and Small Business and Entrepreneurship.

How you will be assessed

You will be assessed by coursework and exams.

How you will study

You will study through a range of seminars, lectures, tutorials, independent study, group work, practical sessions, supervision and workshops.

Career prospects

Our Finance MSc opens up a wide range of finance careers with possible graduate roles including Portfolio Analyst, Financial Management Trainee, Investment Banker, Treasury Analyst, Equity Researcher, Corporate Finance Associate and Financial Market Trader.

Human Resource Management

MSc

Full-time length: 1 year

Part-time length: Not available

Entry requirements: A 2:1 honours degree or equivalent international qualification, ideally with a substantial business, management or cognate social science component. Applicants with a 2:2 or from a different discipline may be considered with relevant work experience. Please see website for more details.

Fees: UK: £11,900 International: £26,500

Programme overview

Our MSc Human Resource Management is accredited by the Chartered Institute for Personnel and Development (CIPD), the professional body for Human Resources, Employment Relations and related professions in the UK. It is ideal for those interested in developing a career in human resource management, personnel or allied fields of management.

Subject to appropriate option choices and professional membership, graduates will meet the knowledge requirements for Chartered Membership of the CIPD.

The programme is taught by academics with both a strong track record in human resource management related research and practitioner HR experience. It focuses on developing critical thinking and analytical skills alongside more practical skills required for a career in people management.

Modules

Subjects studied may include: Human Resource Management Theory and Practice; Developing Skills for Business Leadership; Employment Relations; Work Design, Organisational Change and Development; Strategic Human Resource Management; Research Methods for Human Resource Management; Employment Law; Learning, Development and Knowledge Management; Dissertation: Employment Relations or Human Resource Management.

How you will be assessed

You will be assessed by exams and individual and group coursework assignments, including presentations.

How you will study

You will study through a range of seminars, lectures, tutorials, group work and workshops.

Career prospects

Our Human Resource Management MSc is ideal for graduates looking to study a CIPD-accredited MSc to prepare them for a career in human resource management, personnel or allied fields of management.

Information Management and Business Technology

MSc

Full-time length: 1 year

Part-time length: 2-4 years

Entry requirements: An honours degree (good 2:2 of 55% or above) or equivalent international qualification, preferably in a business or information technology-related subject. Please see website for more details.

Fees: UK: £11,900 International: £26,500

Programme overview

Our Information Management and Business Technology MSc has been designed with partners from industry to produce graduates who understand the professional, managerial and technical dimensions of information management and business technology.

The programme will enable you to develop key skills that employers value, including managing business relationships, IT systems, data science projects and information architecture to name a few. It is designed to develop you into a 'hybrid' manager who is able to bridge the gap between technical and managerial perspectives and who is equipped with the technical, professional and management knowledge and skills needed by employers.

Teaching is informed by the latest commercial best practice and academic research. You will benefit from being taught by information management experts and have guest lecturers from industry and not-for-profit organisations.

Modules

Modules studied may include: Business Relationship Management; IT Services Management; Collaborative Working with Technology; Information Architecture; Knowledge Management Strategies; Data Science; Business Models and New Technologies; Leadership and Project Management; and a dissertation.

How you will be assessed

You will be assessed by group and individual coursework.

How you will study

You will study through lectures, seminars, group work, feedback forums, e-learning, one-to-one sessions with tutors and workshops.

Career prospects

Our recent graduate destinations include Advanced Computer Software Group plc (IT Manager), Alliance Boots (Trainee Manager), Amtec Developments (Project Manager), FESCO (Security Engineer), IBM Client Innovation Centre (Project Finance Analyst) and Loughborough University (Doctoral Researcher).

International Business

MSc

Full-time length: 1 year

Part-time length: Not available

Entry requirements: An honours degree (good 2:2 of 55% or above) or equivalent international qualification. Please see website for more details.

Fees: UK: £15,000 International: £26,000

Programme overview

Our International Business MSc is designed to equip you to work effectively in a range of managerial roles across national contexts. It offers an exciting year studying both theoretical and practical challenges. You will develop an understanding of cross-cultural differences, intercultural communication and leadership, internationally distributed collaborations, international human resource management, and international strategy. You will develop practical knowledge of the global business environment, international business negotiations, global sourcing models, international supply chains, global social entrepreneurship and digital innovations. You have the option to study abroad at one of our partner universities around the world or participate in an international virtual team exercise.

Modules

Compulsory modules may include: International and Cross Cultural Management; Innovation and Entrepreneurship; Global Outsourcing and Offshoring of Services; International Business Environment; Business Environment Analysis; Personal Development for Employability; International Business Negotiations; Global Strategic Management; International Company Project. Optional modules may include: Working in International Teams; Enterprise Resource Planning; Global Logistics and Supply Chain Management; Digital Marketing and Social Media; Global Social Entrepreneurship and CSR; International Entrepreneurship and Migration; Fintech and Global Markets.

How you will be assessed

You will be assessed by coursework, presentations and exams.

How you will study

You will study through a range of seminars, lectures, tutorials, independent study, group work, practical sessions and supervision.

Career prospects

Our International Business MSc opens up careers in business analysis, marketing, international business negotiations, international trading, management consultancy and international business operations.

Logistics and Supply Chain Management

MSc

Full-time length: 1 year

Part-time length: Not available

Entry requirements: An honours degree (2:1 or above) or equivalent international qualification. Strong quantitative background is required. Degrees in engineering, mathematics, physics, economics, and business and management will be particularly welcomed. Those without a first degree but with substantial work experience may be considered. Please see website for more details.

Fees: UK: £15,000 International: £26,000

Programme overview

Successful organisations all around the world depend on effective logistics and supply chain management. This programme is ideal for graduates that want to pursue a wide range of rewarding and vitally important careers in this area. Taught by internationally recognised experts, this programme will equip you with an in-depth understanding of modern logistics and supply-chain systems, as well as strong modelling and analytical skills highly sought after by employers. You will learn to create, manage and communicate useful insights from 'big data' and apply them to help make informed decisions in logistics and supply chain operations. Highlights of the course include workshops and guest talks from industrial collaborators; practical sessions to develop hands-on experience of using industry standard software packages such as SAP and SAS; and a supervised consulting or research project to apply and practise the skills you have learned.

Modules

Compulsory modules may include: Logistics System Operations; Discovery Analytics; Managerial Decision Modelling; Skills for Consulting Projects; Supply Chain Management; Behavioural Operations Management; Logistics and Supply Chain Management Project. Optional modules may include: Enterprise Resource Planning; Customer Analytics; Logistics Modelling and Operations Analytics; Policy and Strategy Analytics; Process and Programming for Analytics.

How you will be assessed

You will be assessed by coursework and exams.

How you will study

You will study through lectures, seminars, tutorials, independent study, group work, practical sessions, supervision and workshops.

Career prospects

We anticipate that graduates from this programme will pursue successful and rewarding careers as logistics and supply chain managers, analysts, consultants, or become doctoral researchers.

Management

MSc

Full-time length: 1 year

Part-time length: Not available

Entry requirements: An honours degree (good 2:2 of 55% or above) or equivalent international qualification in a non-business discipline, although those with a business degree will be considered. Please see website for more details.

Fees: UK: £15,000 International: £26,000

Programme overview

Our Management MSc is designed to create the next generation of outstanding business managers and leaders. Successful modern organisations depend upon managers with a broad business acumen who can make effective and timely decisions and who are capable of handling and analysing large volumes of information. Taught by leading experts who bring the latest research developments into the classroom, this programme will equip you with highly sought-after business and management skills and knowledge. You will learn the fundamentals of managing people and organisations and the wide range of optional modules gives you the flexibility to tailor the programme to suit your individual career aspirations.

Modules

Compulsory modules may include: Human Resource Management; Accounting and Financial Management; Marketing in the Organisation; Operations Management; Personal Development for Study and Employability; Information Systems and Management; Management Analysis; and Global Strategic Management. Optional modules may include: Business Environment Analysis; International Marketing; Small Business and Entrepreneurship; Business Forecasting; Work Psychology; Enterprise Resource Planning; Global Logistics and Supply Chain Management; Brand Management; and Marketing Communications.

How you will be assessed

You will be assessed by coursework, presentations and exams.

How you will study

You will study through a range of seminars, lectures, tutorials, independent study, group work, practical sessions, supervision and workshops.

Career prospects

Our Management MSc will prepare you for a wide range of careers, including management, consultancy, entrepreneurship or as a functional specialist.

Marketing

MSc

Full-time length: 1 year

Part-time length: Not available

Entry requirements: An honours degree (good 2:2 of 55% or above) or equivalent international qualification in a non-business discipline, although those with a business degree will be considered. Please see website for more details.

Fees: UK: £15,000 International: £26,000

Programme overview

Our Marketing MSc will equip you with the marketing knowledge and analytical skills required in commercial and non-commercial organisations. The programme will give you an understanding of effective strategic marketing management in a global marketplace, the techniques used in conducting and analysing market research, and the marketing mix in an international context. You will also benefit from a masterclass with a prominent marketing practitioner.

There is also the opportunity to study towards the Chartered Institute of Marketing's Level 6 Diploma in Professional Marketing. This is optional and separate to the master's degree. The programme involves an additional fee and is taught by our training partner TMLA, an Accredited Study Centre for the Chartered Institute of Marketing. Loughborough is part of the CIM Graduate Gateway, meaning students will be exempt from taking the exam and will only need to submit two written assignments by the end of the programme.

Modules

Compulsory modules may include: Human Resource Management; Market Research Methods; Marketing in the Organisation; Innovation and Entrepreneurship; Personal Development for Study and Employability; Digital Marketing and Social Media; Making Marketing Work; Strategic Marketing Solutions; and Global Strategic Management. Optional modules may include: International Marketing; Services and Retail Management; Global Logistics and Supply Chain Management; Business Environment Analysis; Brand Management; and Marketing Communications.

How you will be assessed

You will be assessed by exams and coursework.

How you will study

You will study through a range of seminars, lectures, tutorials, independent study, group work, practical sessions, supervision and workshops.

Career prospects

Our Marketing MSc is ideal for those interested in careers in marketing and management. It also offers the opportunity to graduate with the Chartered Institute of Marketing's (CIM) Diploma in Professional Marketing.

Social Science Research (Business and Management Studies)

MSc

Full-time length: 1 year

Part-time length: 2 years

Entry requirements: A 2:1 honours degree or equivalent international qualification in a wide range of subjects. Please see website for more details.

Fees: UK: £15,000 International: £26,000

Programme overview

Our Social Science Research (Business and Management Studies) MSc will provide you with a comprehensive overview of the key methodological and philosophical debates that shape the social sciences and equip you with the specialised research tools and skills for business and management.

This master's has a strong emphasis on applying qualitative and quantitative skills to tackle research problems, as well as a focus on developing critical thinking skills. It provides a robust foundation for academic PhD research, whilst sharpening the applied research skills of current or aspiring business and management practitioners.

The programme is accredited by the Economic and Social Research Council (ESRC).

Modules

Compulsory modules may include: Philosophy of Social Science; Quantitative Research Methods; Research Design and Practice; Qualitative Research Methods; Specialist Research Methods; and a dissertation. You will also study optional modules in a range of advanced research methods.

How you will be assessed

You will be assessed by a combination of exams, coursework and group work.

How you will study

You will study through a range of seminars, lectures, tutorials, independent study, group work, practical sessions, supervision and workshops.

Career prospects

Our Social Science Research (Business and Management Studies) MSc is designed for graduates wishing to pursue a career in academia, practitioners in management and business who wish to develop and strengthen their applied research skills, or those wishing to conduct research in non-academic public and private sector roles, such as think tanks.

Work Psychology

MSc

Full-time length: 1 year

Part-time length: 2-4 years

Entry requirements: A British Psychological Society (BPS)-accredited honours degree (2:1 or above) in Psychology or equivalent international qualification, plus evidence of numerical proficiency. Applicants with a 2:2 and relevant work experience may be considered. Please see website for more details.

Fees: UK: £11,900 International: £26,500

Programme overview

Our MSc Work Psychology programme is accredited by the British Psychological Society (BPS) and is only available to students who currently hold a BPS-accredited undergraduate degree in Psychology.

It is especially suited to students who wish to develop a career as an occupational psychologist. Completion of this BPS accredited programme fulfils the requirements of the Stage 1 qualification for those wishing to go on to eventually become a HCPC-registered Occupational Psychologist. It also opens up careers in personnel, HR and management or as a business consultant (eg selection and assessment, and change management).

You will receive in-depth training by experienced researchers and practitioners to enable you to apply the science of psychology to a wide range of organisational settings to influence important business decisions.

Modules

Modules studied may include: Gathering and Using Evidence in Work Psychology; Leadership and Performance Management; Employee Engagement, Motivation and Voice; Wellbeing and Work; Work Design, Organisational Change and Development. Psychological Assessment in Organisations; Career Development; Learning, Development and Knowledge Management. Empirical Research Project in Work Psychology.

How you will be assessed

You will be assessed through group and individual coursework.

How you will study

You will study through a range of seminars, lectures, tutorials, independent study, group work and supervision.

Career prospects

Typical graduate roles for this programme include consultant work psychologist, trainee organisational psychology consultant, talent development analyst, science and analytics consultant, coaching centre co-ordinator, analyst, and behavioural health and safety specialist.

Louisa
PhD student

"I chose Loughborough for several reasons – it's top 15 in the UK for chemical engineering and excellent in research. I was particularly impressed by the diversity, facilities and support for students."

Our programmes

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Biomedical Engineering MSc	p74
Biotechnology MSc	p74

Chemical Engineering

We are committed to developing the Chemical Engineers of the future by providing essential knowledge and training in engineering, the sciences, technology, management and communication.

Research with impact

Our research is focused on three multidisciplinary areas: energy and environment, healthcare, and advanced manufacturing. Our cutting edge outputs are tackling the global challenges expected over the next 50 years, including the commercial production of stem cells, smarter disinfection of hospitals, development of biotherapeutics including novel antibiotics, net-zero technologies such as hydrogen fuel cells, carbon capture to produce usable chemical components, and the development of Artificial Intelligence, digital transformation and optimisation of continuous manufacturing of pharmaceutical products.

Through this research, we enjoy a number of close collaborations with companies such as Astra Zeneca, Biffa, ExxonMobil, GlaxoSmithKline, and Micropore.

World-class facilities

We have recently invested £25 million upgrading our facilities. This includes the redevelopment of our pilot engineering laboratory, providing over 50 state-of-the-art experimental rigs to demonstrate key engineering principles. Students also have access to upgraded computer and teaching laboratories and group working spaces. Our postgraduate taught students benefit from access to STEMLab, a £17 million state-of-the-art facility. It includes a suite of laboratories for practical work, allowing students crucial opportunities to gain hands-on experience.

We also have excellent research laboratory facilities, including the Centre for Biological Engineering which has created new capacity and capability in biological engineering. It includes a suite of class II laboratories for microbial, animal and human-cell growth, as well as a bioelectrical facility and an analytical suite.

Accreditation

Teaching and research is shaped by industry and partner feedback, which ensures that our graduates are well prepared for the ever-changing global jobs market. Accredited courses provide a fast-track to full chartered status and are often looked upon favourably by employers, thereby improving career prospects.

Equality and diversity in STEM

We are committed to creating a diverse and inclusive working, learning, social and living environment that enables students to achieve their potential and which celebrates and encourages diversity. Our aim is to maximise opportunities for all.

**TOP
10**

TOP 10 IN THE UK
FOR STUDENT SATISFACTION
IN CHEMICAL ENGINEERING
*THE COMPLETE
UNIVERSITY GUIDE 2022*

**TOP
15**

TOP 15 IN THE UK
FOR CHEMICAL
ENGINEERING
*THE GUARDIAN
UNIVERSITY GUIDE 2021*



TOP 15 IN THE UK
FOR CHEMICAL
ENGINEERING
*THE TIMES AND SUNDAY
TIMES GOOD UNIVERSITY
GUIDE 2021*



£17M
STEMLAB
FACILITY

Research opportunities

PhD: 3 years full-time; 6 years part-time

Entry requirements: A 2:1 honours degree or equivalent international qualification in a relevant discipline.

Fees: UK: see website International: £25,100

Our multidisciplinary research addresses the current and future challenges facing society through engineering solutions. Our department is a highly active, research intensive community of around 75 academics, researchers and doctoral students, using our excellent facilities to produce world-leading research outputs.

Benefiting from the expertise and considerable experience of our staff, our thriving community of postgraduate research students are provided with an intellectually challenging and rewarding experience. As a PhD student, you will have the opportunity to not only become an independent researcher, but also to create a lasting network of peers. You will be assigned a supervisory team who, together with the Director of Doctoral Programmes, will provide strong academic and pastoral support. Training and departmental seminars will help you to develop your skills and you will be expected to present your own research papers. You will be provided with your own desk and computer in a shared departmental office with access to library, IT and state-of-the-art laboratory facilities.

Our areas of research

Research by the department focuses on clean energy, environment, sustainability, healthcare and materials, examining how we can improve our way of life through advanced engineering solutions. As such, the department maintains an interest in the following research topics:

Energy and Environmental Engineering

Research in this area focuses on ways to efficiently use energy and maintain the environment. Through our research, we investigate cleaner, more efficient ways to use fossil fuels, look at how we can reduce emissions through catalysis, and examine how we can use renewable and sustainable resources such as solar, wind, and wave energy through photo-electrochemistry. Researchers in this area are on the cutting-edge of renewable technologies, such as sustainable hydrogen from seawater splitting and advanced fuel cells, and are continually focusing on key issues relevant to the 21st century.

Our research therefore covers a wide range of topics. For example, we have investigated the development of technologies to produce low carbon clean fuels from biomass, water and renewable electricity; undertaken work related to efficient hydrogen production, storage and application via fuel cells for green transportation; and we have looked at the application of plasma and electrochemical technologies for treatment of emerging pollutants in water. As a researcher in this area, you will be concerned about issues such as climate change, drought and energy crisis, and you will look to find engineering-based solutions to complex environmental problems.

Bioengineering and Healthcare

This group aims to undertake world-class research that leverages the latest developments in synthetic biology, genetic engineering, and stem cell and tissue engineering.

Bioengineering applies engineering principles of design and analysis to biological systems and biomedical technologies, and provides solutions to tackling global healthcare challenges, such as antimicrobial resistance and enabling cost-effective production of high-value therapeutics. It is a cutting-edge, multidisciplinary subject, that aims to improve human health by bridging the gap between health, medicine, and engineering.

We focus on advancing studies in this area, leading to economically viable, sustainable and useful products and processes, ranging from antibiotics, cell and gene therapies, to vaccines, bioremediation and bioenergy.

Advanced Manufacturing

We have a leading reputation for our expertise in particle technology. Our research in this area focuses on nano-engineering and micro-engineering of particles regarding their manufacture, formulation and dispersion, and how they interact to make functional materials, interface structures and high-performance devices.

Our research in pharmaceuticals manufacturing focuses on digital design, control and optimization of crystallization processes, to produce purified drug product particles with targeted properties, such as size distribution and morphology.

We focus on generation and characterisation of nano and micro-scale particles for a range of end users, include the pharmaceutical, catalysis, energy and food sectors. For example, we have investigated fluid mixing to look at how nanoparticles are incorporated into a liquid, explored the generation and application of nano- and micro-bubbles, and the engineering of nanomaterials for fuel cells, batteries and supercapacitors. Our research has also examined electrochemical processes for metal recycling, and nano-structured absorbents for blood purification.

Life cycle analysis is performed to assess the sustainability of the technologies and processes we developed.

Taught programmes

Advanced Chemical Engineering

MSc

Full-time length: 1 year

Part-time length: Not available

Entry requirements: A 2:1 honours degree or equivalent international qualification in engineering or physical sciences.

Fees: UK: £11,900 International: £26,500

Programme overview

Advanced Chemical Engineering addresses recent developments in the global chemical industry in a bid to provide you with a skill set that puts you amongst the strongest candidates in the field.

This programme has been designed to advance your knowledge in chemical and process engineering by focusing on an in-depth understanding of the fundamentals of key chemical and industrial processes and on their application and translation to practice. You will encounter the latest technologies available to the process industries and will be exposed to a broad range of crucial operations and optimisation methods. Exposure to advanced tools and methods is our key to success.

Modules

The programme offers advanced modules covering a broad range of modern process engineering, technical and management topics.

Study areas may include: Modelling of Chemical Engineering Systems and Advanced Process Design and Optimisation. Optional study areas will help you tailor the programme and may include: Clean Energy, Materials and Sustainability; Advanced Biochemical Engineering; Process Intensification and Integration; Interface and Colloid Science.

How you will be assessed

You will be assessed by a combination of coursework, exams, presentations and a substantial project.

How you will study

You will study through a range of group work, independent study, lectures and workshops, supervision and tutorials.

Career prospects

Graduates can play a key role in developing the technologies that will enhance our health and standard of living, and may focus on sustainability across a variety of sectors. Our graduates have gone on to work for companies such as: BP, GSK, Petroplus, and Tata Steel Europe, with roles across the industry including Analytic Chemist, Energy Manager, Mining Engineer, and Quality Manager.

Advanced Chemical Engineering with Information Technology and Management

MSc

Full-time length: 1 year

Part-time length: Not available

Entry requirements: A 2:1 honours degree or equivalent international qualification in engineering or physical sciences.

Fees: UK: £11,900 International: £26,500

Programme overview

This programme addresses recent developments in the global chemical industry by focusing on advancements in information technology and business management skills.

You will be provided with an in-depth understanding of the IT skills required for advanced chemical processes, whilst increasing your knowledge of entrepreneurship, marketing, risk, and financial management. Also central to this programme is the use of advanced modelling and simulation tools applied to broad engineering areas. This course has been accredited since 2011. In line with the IChemE's review process, the programme is undergoing reaccreditation to ensure it continues to offer professional registration opportunities.

Modules

The programme offers advanced modules covering a broad range of modern process engineering, technical and management topics.

Core study areas may include: Process Simulation and Strategic Management and Research Methods and Planning. Optional study areas may include: Clean Energy, Materials and Sustainability, Interface and Colloid Science and Engineering, Mixing of Fluids and Particles and Downstream Processing.

How you will be assessed

You will be assessed by a combination of coursework, exams, presentations and a substantial project.

How you will study

You will study through a range of group work, independent study, lectures and workshops, supervision and tutorials.

Career prospects

Typical graduate careers span many industrial and process engineering sectors including chemical, biochemical, food, water, energy and pharmaceutical industries. Our previous students have gone on to work for a range of international companies including: BP, Exxon Mobil, GSK, Petronas and Tata Steel Europe.

Biomedical Engineering

MSc

Full-time length: 1 year

Part-time length: Typically 2 years

Entry requirements: A 2:1 honours degree or equivalent international qualification in engineering or biological sciences.

Fees: UK: £11,900 International: £26,500

Programme overview

Building on Loughborough's excellent reputation and successful history of engineering, this multidisciplinary programme bridges the gap between health, medicine and engineering, by equipping you with the knowledge and skills needed to enhance and improve healthcare.

The biomedical engineering field is rapidly developing, and Biomedical Engineers work in a range of global sectors, developing medical and healthcare products and creating technology to help people achieve a better quality of life. Biomedical Engineers have contributed to innovations in healthcare such as: diagnostics, imaging, artificial organs, prosthetics, and biomaterials implants.

Throughout this programme, you will build on your existing engineering skills to develop your ability to solve problems in medicine and healthcare, and learn how to work on projects with life-changing potential.

Modules

Modules studied may include: Sensors, Biomechanics, Drug Delivery and Targeting, Technological Entrepreneurship, Biomedical Product Design. There are also options to study modules covering areas such as Biofluidics and Regenerative medicine and Biomaterials.

How you will be assessed

You will be assessed by a combination of exams, coursework, class presentations and a research project.

How you will study

You will study through a varied mix of lectures, tutorials, independent study, group work, supervision and workshops.

Career prospects

Graduates can play a key role in developing the technologies that will enhance our health and standards of living. Their role may involve the development of new processes, products, devices or materials in the biomedical sector. They may also go on to work in a variety of subdivisions of the sector, focusing on areas such as biomedical electronics, advanced 3D medical imaging, image-guided and robot assisted surgery, tissue engineering including bioengineered skin for wounds, 3D bioprinting and medical device development.

Biotechnology

MSc

Full-time length: 1 year

Part-time length: Typically 2 years

Entry requirements: A 2:1 honours degree or equivalent international qualification in engineering or biological sciences.

Fees: UK: £11,900 International: £26,500

Programme overview

Our MSc in Biotechnology is an interdisciplinary course, which focuses on applying engineering knowledge and understanding to address global issues including sustainable future manufacturing of biofuels and biochemicals and healthcare.

Biotechnology is a fast-growing, dynamic sector of the bio-economy and this programme has been designed to further develop your scientific and engineering knowledge to meet the demand for highly skilled scientists within the industry. Upon completion of the programme, you will be able to apply your engineering knowledge and skills to biological engineering problems.

As a biotechnology savvy engineer, you will help to improve the world around us by tackling global issues in bioprocessing, healthcare and medicine. For example, developing processes to make sustainable products such as biofuels or biochemicals from biological resources, manufacturing of vaccines and antibiotics, or creating medical and environmental technology solutions to help people achieve a better quality of life. This may also include developing new medicines using DNA technology or improving methods of drug delivery in order to improve healthcare for the population.

Modules

Modules studied may include: Biotechnology and Genetic Engineering, Bioprocess Engineering, including upstream and downstream processing, and Technological Entrepreneurship. There are also options to study modules covering areas such as Drug Delivery and Biosensors.

How you will be assessed

You will be assessed by a combination of exams, coursework, class presentations, and a research project.

How you will study

You will study through a varied mix of lectures, tutorials, independent study, group work, supervision and workshops.

Career prospects

This programme will provide access to a broad range of career opportunities where graduates can play a key role in developing the technologies that will enhance our health and standard of living. Roles may involve the development of new processes, products, devices or materials in the biotechnology sector.

£30k
AVERAGE STARTING
SALARY

GRADUATE OUTCOMES SURVEY
2018 GRADUATES
(AVERAGE SALARY 15 MONTHS
POST-GRADUATION - UK DOMICILED)



Sarah

PhD student

“Loughborough has a great record of interdisciplinary collaboration between its schools and I’ve had no problem accessing the outstanding facilities found across its departments, from 3D printer centres to materials characterisation labs.”

**Our programmes**

Research opportunities PhD	p78
Analytical and Pharmaceutical Science MSc/PGDip/PGCert	p79
Analytical Chemistry MSc/PGDip/PGCert	p79
Pharmaceutical Science and Medicinal Chemistry MSc/PGDip/PGCert	p80

Chemistry

The Department of Chemistry has an international reputation for teaching and research excellence and is committed to providing high quality training and support for postgraduate students.

We benefit from state-of-the-art facilities, enhanced by the University's £17 million STEMLab and a £6 million investment in newly refurbished chemistry laboratories. Our research labs and study areas enable students to gain first hand experience of the latest techniques in analytical, environmental, inorganic, organic and physical chemistry.

Our research is industry relevant and spans a range of areas, including energy markers and detection, crime and security, chemical process technologies, and catalysis and functional molecules.

Our postgraduate students are part of a stimulating and inclusive academic community within the Department. They are regularly engaged in high-profile, high-impact research projects which continue to address real world problems in vital areas such as energy and the environment, defence and security, and health and medicine. Our academic and research staff are nationally and internationally recognised as experts in their fields.

Employability

Graduates can expect to develop their careers in the pharmaceutical and food industries, analytical and environmental laboratories, public and regulatory utilities, or industrial laboratories. Recent postgraduate destinations include Pfizer, Reckitt Benckiser, Nova Laboratories, GSK, and ALS Environmental Ltd.

Equality and diversity in STEM

We are committed to creating a diverse and inclusive working, learning, social and living environment that enables students to achieve their potential and which celebrates and encourages diversity. Our aim is to maximise opportunities for all.



9TH IN THE UK
FOR CHEMISTRY
THE GUARDIAN
UNIVERSITY GUIDE 2021



£17M
STEMLAB
FACILITY

Research opportunities

PhD: 3 years full-time; 6 years part-time

Entry requirements: A 2:1 honours degree or equivalent international qualification in chemistry or a closely related discipline.

Fees: UK: see website International: £25,100

The Department of Chemistry offers popular and industry-relevant research opportunities across a range of areas including energy, markers and detection; crime and security; chemical process technologies; and catalysis and functional molecules.

PhD students in the Department are a key part of Loughborough's dynamic postgraduate community. Students are encouraged to participate in conferences and present their research in order to widen their perspective and grow their research network.

Supporting you

You will have at least two academic supervisors who will guide you in your research. We provide training courses on research methods, safety, use of instrumentation and IT, and we also offer a regular programme of seminars from visiting lecturers. Our research students attend group meetings and conferences and can gain practical experience of teaching undergraduate students, as well as having opportunities to undertake research placements.

How to apply

Projects which have funding attached are advertised on our online prospectus. For self-funded projects or those funded by third-party sponsors, you do not need to submit a detailed research proposal with your application, but you should indicate which area of research you wish to pursue and/or names of staff members you are keen to work with.

Our areas of research

Research is carried out in all areas of chemistry, and we have four main themes in the department:

Energy

Research is focused on innovation in the production and storage of green energy, electrochemistry and photochemistry.

Markers and Detection

The focus is on the discovery and application of markers of health, vitality and disease. New molecular markers provide valuable opportunities for other researchers, as well as different approaches to the management and characterisation of complex situations.

Catalysis and Functional Molecules

The research involves the development of new catalytic methods and reaction chemistries to develop novel functional molecules with applications in health and materials science.

Crime and Security

This research addresses a wide range of societal issues, including the development of new reagents and analytical methods for forensic fingerprint imaging and biofluid analysis; chemical, biological and radiological (CBRN) agent screening and stand-off threat detection in airports and other vulnerable locations.

As part of the School of Science, staff and PhD students may also contribute to our interdisciplinary research centres:

- Centre for Imaging Science
- Centre for the Science of Materials
- Centre for Geometry and Applications
- Centre for Analytical Science
- Interdisciplinary Centre for Mathematical Modelling
- Interdisciplinary Science Centre from Laboratory to Fabrication (Lab2Fab)

Centres for Doctoral Training

Centres for Doctoral Training (CDT) integrate PhD research and an enhanced research training package into a four-year integrated programme. The Department of Chemistry is part of the new EPSRC Centre for Sustainable Hydrogen (SusHY) in partnership with Nottingham, Birmingham and Ulster.

Taught programmes

Analytical and Pharmaceutical Science

MSc/Diploma/PG Certificate

Full-time length: 1 year

Part-time length: 2-5 years

Entry requirements: A 2:2 honours degree or equivalent international qualification in chemistry, biochemistry or a closely related subject.

Fees: UK: £11,900 International: £26,500

Programme overview

Our Analytical and Pharmaceutical Science MSc is a popular and industry-relevant programme designed for graduates in chemistry or closely related disciplines who wish to contribute to drug development and analysis, a process which requires multidisciplinary skills.

The programme comprises a broad range of modules covering the major aspects of analytical and pharmaceutical chemistry, complemented by studies in transferable and professional skills.

You will be taught via a combination of self-learning and short courses with practical laboratory sessions and formal assessment by coursework and examination.

Modules

Compulsory modules may include: Research Methods; Separation Techniques; Pharmacokinetics and Drug Metabolism; Spectroscopy and Structural Analysis; and Professional Skills. You will also conduct a Research Training Project based either on a placement in industry or with a research group in the Chemistry Department.

Optional modules may include: Mass Spectrometry and Associated Techniques; Drug Targets, Drug Design and Drug Synthesis; Sensors; Innovations in Analytical Science; and Innovations in Medicinal Chemistry.

How you will be assessed

You will be assessed by a combination of exams, coursework and class presentations, as well as a dissertation on an agreed topic.

How you will study

You will study through a range of lectures, seminars, practical sessions, tutorials and group work.

Career prospects

Recent graduate destinations include Alliance Boots (Process Technologist), GlaxoSmithKline (Analytical Scientist), Nemauro Pharma Ltd (Development Scientist), and Quotient Clinical (Manufacturing Scientist).

Analytical Chemistry

MSc/Diploma/PG Certificate

Full-time length: 1 year

Part-time length: 2-5 years

Entry requirements: A 2:2 honours degree or equivalent international qualification in chemistry, biochemistry or a closely related subject.

Fees: UK: £11,900 International: £26,500

Programme overview

Our Analytical Chemistry MSc is designed to provide comprehensive training in analytical chemistry and its implementation in a variety of fields including biomedical, pharmaceutical, food and environmental analysis.

Analytical chemists assess the chemical structure and nature of substances. Their skills are needed for a variety of purposes including drug development, forensic analysis and toxicology. Analytical chemists can specialise in areas as varied as toxicology, pharmaceuticals and forensics.

The programme comprises a broad range of modules covering all the major analytical techniques, complemented by studies in transferable and professional skills, and with the option to study aspects of medicinal and pharmaceutical chemistry if desired.

Modules

Compulsory modules may include: Research Methods; Separation Techniques; Mass Spectrometry and Associated Techniques; Spectroscopy and Structural Analysis; Professional Skills and Dissertation; and a research project.

Optional modules may include: Pharmacokinetics and Drug Metabolism; Drug Targets, Drug Design and Drug Synthesis; Sensors; and Innovations in Analytical Science.

How you will be assessed

You will be assessed by a combination of exams, coursework and class presentations, as well as a dissertation on an agreed topic.

How you will study

You will study through a range of lectures, seminars, tutorials and practical sessions, allowing you to gain experience in nanopore technologies, separation science and the latest techniques in mass spectrometry.

Career prospects

Recent graduate destinations include Novartis (Bioanalytical Scientist), Sanofi Genzyme (Analytical Chemist) and PhD projects in medical breath analysis and novel energy applications at Loughborough University.

Pharmaceutical Science and Medicinal Chemistry

MSc/Diploma/PG Certificate

Full-time length: 1 year

Part-time length: 2-5 years

Entry requirements: A 2:2 honours degree or equivalent international qualification in chemistry, biochemistry or a closely related subject.

Fees: UK: £11,900 International: £26,500

Programme overview

Our Pharmaceutical Science and Medicinal Chemistry MSc will provide you with training in pharmacokinetics, drug metabolism, drug synthesis, and methods to identify potential drug targets and drug candidates, and to assess the biological activities of drug compounds.

The programme focuses on the biochemistry, pharmacology, design, analysis and delivery of pharmaceutical substances, including the development of safe and effective drugs.

You will benefit from our state-of-the-art laboratories and enjoy access to a broad range of scientific instrumentation including 400 MHz, 500 MHz, solid-state and benchtop NMR spectrometers; single crystal and powder X-ray; a high resolution inductively-coupled plasma mass spectrometer; GC-MS and linear ion trap LC-mass spectrometers; ion mobility spectrometers; gas and liquid chromatographs; and tunable nanopore sensors.

Modules

Compulsory modules may include: Research Methods; Pharmacokinetics and Drug Metabolism; Drug Targets, Drug Design and Drug Synthesis; Spectroscopy and Structural Analysis; Professional Skills and Dissertation; and a research project.

Optional modules may include: Separation Techniques; Mass Spectrometry and Associated Techniques; Innovations in Analytical Science; and Innovations in Medicinal Chemistry.

How you will be assessed

You will be assessed by a combination of exams, coursework and class presentations, as well as a dissertation on an agreed topic.

How you will study

You will study through a range of lectures, seminars, tutorials and practical sessions enabling you to gain experience in drug synthesis, binding assays and pharmacokinetics.

Career prospects

Recent graduate destinations include 3M (Analyst), Leading Edge – Brunei (Marketing Executive) and Pfizer (Materials Scientist).

£6M INVESTMENT
IN NEWLY REFURBISHED
CHEMISTRY LABORATORIES



Lou

MA student

"I love the variety of topics that we cover and the lecturers are so friendly and helpful. To anyone thinking about doing a master's – apply! You will learn so much, you'll have a great time and you'll make really great friends."

Our programmes

Research opportunities PhD	p84
Digital Media and Society MA	p85
Global Media and Cultural Industries MA	p85
Social Media and Political Communication MA	p86
Social Science Research (Communication and Media) MSc	p86
Strategic Communication MA	p87

Communication and Media

Communication and Media at Loughborough has long been recognised as an international centre of academic excellence and for its cutting-edge interdisciplinary work.

This division offers a rich variety of taught postgraduate master's programmes relating to media, communication and culture. The courses are delivered by an internationally renowned interdisciplinary team, through the use of contemporary case studies and research-informed applied teaching and learning. These courses provide training in media, communications, digital culture, sociological and anthropological theory, as well as quantitative and qualitative methods.

These analytical and research skills are highly valued by global businesses, particularly those in the media and creative sectors.

Loughborough is home to world-leading, original and internationally-excellent research in communication and media. We collaborate globally with universities, major companies, and other high-profile stakeholders including major policy and industry players such as Council of Europe, Ofcom, European Broadcasting Union, Victoria & Albert Museum, Tate Modern, and the British Museum.

Our graduates have gone on to work in industries including television, marketing, academia and publishing. They work for companies and organisations such as Baidu, China Development Research Foundation, CCTV, Elsevier Ltd, Image Line Communication, Institute of Psychiatry, Lane Crawford Ltd, Metropolitan Police Service, Oxfam, Viacom, and X-Pert Med GmbH.



**1ST IN THE UK
FOR COMMUNICATION
AND MEDIA**
*THE TIMES AND SUNDAY
TIMES GOOD UNIVERSITY
GUIDE 2018-2021*



**90% OF OUR RESEARCH
IS WORLD-LEADING
OR INTERNATIONALLY
EXCELLENT**
REF 2014



**1ST IN THE UK
FOR COMMUNICATION
AND MEDIA STUDIES**
*THE COMPLETE
UNIVERSITY GUIDE 2022*



**TOP 100 IN THE WORLD
FOR COMMUNICATION AND
MEDIA STUDIES**
*QS WORLD UNIVERSITY
RANKINGS BY SUBJECT 2021*

Research opportunities

PhD: 3 years full-time; 6 years part-time

Entry requirements: A 2:1 honours degree or equivalent international qualification in a related subject.

Fees: UK: see website International: £19,200

Based within the School of Social Sciences and Humanities, Communication and Media comprises the disciplines of communication and media studies, and social psychology/language and social interaction. All of our academic staff are active researchers, working within and across disciplinary boundaries. The School is home to 343 postgraduates working closely with 130 specialist supervisors who are located in one of five divisions:

- Communication and Media
- Criminology, Sociology and Social Policy
- English
- Geography and Environment
- International Relations, Politics and History.

Communication research at Loughborough began in the late 1980s and has been consistently characterised by a distinctive multi-scale, interdisciplinary approach, ranging from the micro-dynamics of interpersonal interaction rooted in social psychology to the macro-dynamics of mediated communication and culture grounded in political science and sociology. Our core research themes within Communication and Media are all regarded as world-leading (REF 2014).

We use a diversity of methods for data gathering and analysis and work with a variety of partners, including Council of Europe, Ofcom, European Broadcasting Union, Victoria & Albert Museum, Tate Modern, and the British Museum, to deliver fundamental and applied research of exceptional quality.

Our areas of research

Our collective research expertise spans several thematic areas which respond to the most important and emerging challenges facing contemporary society.

Culture, Economy and Policy

Loughborough has a proud history of pioneering work in the critical political economy of communication and in media and cultural policy. Our work in this area highlights the role of media and cultural industries, as well as policy, in reproducing existing inequalities, and seeks to understand their potential for encouraging greater cultural participation.

Language and Social Interaction

We work on the foundational structure of human discourse, and how it plays out in face-to-face and technology-mediated interactions. That gives us insight into a range of interpersonal and social phenomena, from intimate conversations in the home, to interactions in institutions as varied as the commercial marketplace, the police and the healthcare professions.

Media, Memory and History

Media, Memory and History is a fast-growing area of expertise at Loughborough which provides a shared focus of research for scholars across the social sciences and humanities. Our researchers work on various aspects of media and communication history, mediated memory, and the relationship between media and time.

Political Communication

Loughborough University has been at the forefront of political communication research in the UK for over 25 years, examining campaigns, protest movements, radical politics, democratic deliberation, journalism, populism, media theory, and social media.

Centre for Research in Communication and Culture (CRCC)

Established in 1991, this Centre of Excellence on our Loughborough campus acts as a cornerstone of interdisciplinary collaboration. The CRCC creatively combines social science and humanities approaches for the rigorous exploration of the production and consumption of different forms of communication and creative texts. We are interested in exploring how media and cultural texts are produced, how they construct meanings, how they shape the societies we live in, and how they fit within an ever-growing creative economy.

The Online Civic Culture Doctoral Training Centre

This centre applies cutting-edge concepts and methods from social science and information science to understand the role of social media in shaping our civic culture. It features a team of academic supervisors drawn from the disciplines of communication, information science, social psychology and sociology. Interdisciplinary teams of researchers and PhD students work together on issues of misinformation, disinformation and the rise of hate speech and incivility online.

Doctoral Training Partnership (DTP)

Communication and Media is proud to be part of the ESRC Midlands Graduate School DTP in partnership with Warwick, Nottingham, Birmingham, Aston and Leicester. Established in 2016, The Midlands Graduate School is an accredited Economic and Social Research Council (ESRC) Doctoral Training Partnership. The DTP awards annually several postgraduate studentships across its various pathways and institutions. Based within the School of Social Sciences and Humanities, Communication and Media comprises the disciplines of communication and media studies, and social psychology/language and social interaction.

Taught programmes

Digital Media and Society

MA

Full-time length: 1 year

Part-time length: Not available

Entry requirements: A 2:1 honours degree or equivalent international qualification in a wide range of subjects.

Fees: UK: £10,100 International: £20,800

Programme overview

Our Digital Media and Society MA offers a comprehensive understanding of current developments in digital media and their wider social significance.

The programme is designed to provide you with an in-depth understanding of current thinking and debates on the integral role of digital media in contemporary life. It is delivered by a diverse interdisciplinary team with a strong profile in digital culture, media, sociology, anthropology and communication studies.

As part of the dissertation module, visiting speakers from across the media and creative industries will give guest lectures, providing insights into the sector.

Modules

Compulsory modules may include: Researching Communication; Understanding Modern Media; Digital Cultures; Digital Economies; Key Debates in Digital Media and Society; and a dissertation.

Optional modules may include: Media and Cultural Industries; Politics of Representation; Marketing Politics; Strategic Communication; Social Media and Political Communication; Media and Cultural Work; and Data Power and Democracy (dependent on availability and timetabling constraints).

How you will be assessed

You will be assessed by a combination of coursework and group work.

How you will study

You will study through seminars, lectures, tutorials, independent study, group work, supervision and workshops.

Career prospects

Graduate destination data is not yet available for this programme. However, this degree is suitable for those interested in working in the following sectors; public relations and marketing, government and corporate research, digital media campaigns, branding, creative and cultural industries.

Global Media and Cultural Industries

MA

Full-time length: 1 year

Part-time length: Not available

Entry requirements: A 2:1 honours degree or equivalent international qualification in the social sciences or humanities.

Fees: UK: £10,100 International: £20,800

Programme overview

Global media and cultural industries are important sources of employment and economic growth internationally. This MA programme focuses on the development of these global industries and the role that states play in governing them. It also explores the impact that digitalization has had on various media sectors, including film, television, advertising and publishing, as well as the growing power of the major digital platforms. These processes are used to highlight the importance of issues such as copyright, privacy, user-generated content and regulation to media companies around the world.

The programme draws on the considerable expertise in transnational and comparative research, as well as expertise in the political economy of communication from our Centre for Research in Communication and Culture.

Modules

Compulsory modules may include: Researching Communication; Media and Cultural Industries; Understanding Modern Media; Media and Cultural Work; Key Debates in Media and Cultural Industries; and a dissertation.

Optional modules may include: Digital Economies; The Politics of Representation; Marketing Politics; Strategic Communication; Social Media and Political Communication; Data Power and Democracy; and Digital Cultures (dependent on availability and timetabling constraints).

How you will be assessed

You will be assessed by a combination of coursework and group work.

How you will study

You will study through a range of seminars, lectures, tutorials, independent study and group work.

Career prospects

Recent graduates have gone on to work for ADVENTI Communication, Bloomberg Businessweek China, Fujian Broadcasting & TV Network Group, Brightwire News, and Lane Crawford Ltd.

Graduate job titles include Marketing Coordinator, Media Coordinator, Reporter, Writer, Editor on New Media, and Multi-screen Interactive Editor.

Social Media and Political Communication

MA

Full-time length: 1 year
Part-time length: Not available

Entry requirements: A 2:1 honours degree or equivalent international qualification in the social sciences or humanities.

Fees: UK: £10,100 International: £20,800

Programme overview

Our Social Media and Political Communication MA is an exciting and unique programme which will give you advanced knowledge of how social media shapes the exercise of political power in today's turbulent world.

The digital age has produced some of the most remarkable developments in modern history. The Arab Spring, Occupy, Brexit, the #MeToo movement, the election of Donald Trump, the growth of online misinformation and automated propaganda, debates over online "filter bubbles" and fake news, mass microtargeting of political messages, and concerns about the growing power of social media platforms, algorithms and big data over the lives of citizens.

On this innovative programme you will conduct advanced, in-depth analysis of the complex relationships between social media, political influence and power. You will explore the consequences for democracy by critically examining how social media shapes citizens' knowledge, participation and empowerment.

Modules

Compulsory modules may include: Social Media and Political Communication; Data, Power, and Democracy; Marketing Politics; Key Debates in Social Media and Political Communication; Researching Communication; and a dissertation.

Optional modules may include: Digital Economies; Understanding Modern Media; Strategic Communication; Media and Cultural Industries; Digital Cultures; The Politics of Representation; and Media and Cultural Work (dependent on availability and timetabling constraints).

How you will be assessed

You will be assessed by coursework and a dissertation.

How you will study

You will study through seminars, lectures, group work, practical sessions, projects, social media campaign design and simulation, supervision and workshops.

Career prospects

This course is ideal if you want to build a career in advocacy, campaign management, digital engagement, political communication consultancy, journalism, government communication, policy analysis, digital advertising, marketing and public relations, or political research, to name but a few.

Social Science Research (Communication and Media)

MSc

Full-time length: 1 year
Part-time length: 2 years

Entry requirements: A 2:1 honours degree or equivalent international qualification in a wide range of subjects.

Fees: UK: £10,100 International: £20,800

Programme overview

Our Social Science Research (Communication and Media) MSc is designed for students interested in pursuing a research career in communication and media in both academia and industry and is accredited by the Economic and Social Research Council (ESRC).

The programme provides an opportunity to develop specialised research methods skills in communication and media in an internationally renowned department, as well as a comprehensive overview of the key methodological and philosophical debates that currently shape the social sciences.

On completion of the Social Science Research (Communication and Media) programme, you will have met the MSc training requirements for PhD funding from the ESRC, opening up the possibility of securing doctoral researcher funding from this research council.

Modules

Compulsory modules studied may include: Philosophy of Social Science; Quantitative Research Methods; Research Design and Practice; Qualitative Research Methods; Specialist Research Methods: Production and Reception; and a dissertation.

Optional modules may include: Doing Research with Young People in their Social-Spatial Contexts; Advanced Content Analysis; Methodological Advances in Applied Ethnography; and Applied Conversation Analysis.

How you will be assessed

You will be assessed by a combination of coursework and group work.

How you will study

You will study through a range of seminars, lectures, practical sessions and workshops.

Career prospects

Graduate destination data is not yet available for this programme. However, this degree is suitable for those interested in a career in; corporate or government research, data analysis, market research, advocacy or academia.

Strategic Communication

MA

Full-time length: 1 year
Part-time length: Not available

Entry requirements: A 2:1 honours degree or equivalent international qualification in the social sciences or humanities.

Fees: UK: £10,100 International: £20,800

Programme overview

The Strategic Communication MA is designed to provide you with an in-depth understanding of the uses, and abuses, of communication by a range of government, corporate and third sector organisations.

Throughout the programme there will be a particular focus on how different organisations develop and realise key strategies in the communication of not only products and ideas but also places and experiences. Of particular interest will be changes in these communication practices as a result of both digitalisation and globalisation and there will be opportunities to engage with theoretical approaches, as well as practical examples and case studies from around the world. You will examine both historical and contemporary campaigns, events and media platforms looking at the work of different stakeholders and how they have used various strategies and technologies to communicate key messages.

Modules

Compulsory modules studied may include: Strategic Communication; Researching Communication; Understanding Modern Media; Key Debates in Strategic Communication; and a dissertation.

Optional modules may include: Data, Power and Democracy; Political Psychology; Digital Cultures; Marketing Politics; Media and Cultural Industries; Digital Economies; Social Media and Political Communication; The Politics of Representation; Media and Cultural Work; and Cultural Memory and the Heritage Industries (dependent on availability and timetabling constraints).

How you will be assessed

You will be assessed through a combination of essays, reports, individual and groups presentations and a dissertation.

How you will study

You will study through a range of seminars, lectures, practical sessions and workshops.

Career prospects

The MA Strategic Communication will provide an excellent platform for those looking to build a career in the following areas; advertising, marketing, public relations, advocacy, campaign management, place branding and market research.

Shulin

MSc Advanced Computer Science

“My postgraduate studies have allowed me to focus on topics that interest me, like artificial intelligence and network security.”

Our programmes

Research opportunities PhD	p90
Advanced Computer Science MSc	p91
Artificial Intelligence MSc	p91
Data Science MSc	p92

Computer Science

The Department of Computer Science is committed to delivering inspiring teaching and cutting-edge research at the forefront of technological innovation.

Founded in 1974, the Department of Computer Science is one of the most well-established university computing departments in the UK with a long track record of developing skilled and highly employable graduates, as well as a reputation for cutting-edge research and industry engagement.

As a postgraduate student within the Department you will benefit from 24-hour exclusive access to state-of-the-art computer labs, including a dedicated MSc laboratory, operated by a team of systems specialists.

The Department boasts excellent facilities including five general computer labs, specialist labs for robotics, networking, HCI and imaging technology, seminar and study rooms. Visual Paradigm supports Loughborough University with the use of UML tools, BPMN tools and agile story mapping tools.

Our postgraduate programmes have been developed in collaboration with a number of national and international partners to ensure they meet the needs of industry and provide students with the latest knowledge and skills sought by employers.

Industry partners not only inform the curriculum but also shape the way research and projects are conducted. Organisations such as BAE Systems, Jennic, Arqiva, Sure, Advantica, Toyota, Sensinode, Rolls-Royce and DSTL (Defence Science and Technology Laboratory) have collaborated with the Department to develop new ideas and solve the challenges facing industry today.

Excellent career prospects

Graduates from the Department have entered a diverse range of organisations, including Atos, British Sugar, Nomura, Sophos, PwC and Bombardier Transportation, taking on roles in network engineering, systems engineering, software development and programming.

Research with impact

The Department's research continues to have a positive impact in such diverse areas as computer networks, multimedia, logistics, healthcare, the emergency services, transport, surveillance and the environment, amongst others.

Equality and diversity in STEM

The School of Science is committed to creating a diverse and inclusive working, learning, social and living environment that enables students to achieve their potential and which celebrates and encourages diversity. Our aim is to maximise opportunities for all.



TOP 10 IN THE UK
FOR COMPUTER SCIENCE
AND INFORMATION
SYSTEMS
THE GUARDIAN
UNIVERSITY GUIDE 2021



75% OF
RESEARCH RATED
'INTERNATIONALLY
RECOGNISED' OR
HIGHER
REF 2014

Research opportunities

PhD: 3 years full-time; 6 years part-time
Integrated PhD: 4 years full-time

Entry requirements: A 2:1 honours degree or equivalent international qualification or equivalent experience in an area related to computer science.

Fees: UK: see website International: £25,100

Our postgraduate students join a talented research community that continues to make a valuable contribution to the rapidly developing computer science sector, particularly in areas such as wireless communications, multimedia, logistics, healthcare, the emergency services, transport, surveillance and the environment.

Supporting you

You will receive academic and pastoral support from two supervisors and the Director of Doctoral Programmes. The Department also offers a regular, varied programme of seminars with both internal and external speakers, organised social activities and opportunities for research skills training and networking. You will also have access to a workstation, online access to many international journals, access to funds for conference attendance and consumables, and access to library and IT services.

How to apply

Projects which have funding attached (eg through research councils, university funding or industry sponsorship) are advertised on our online prospectus and do not require a research proposal.

For self-funded projects or those funded by third-party sponsors, you should include a research proposal of approximately two pages with your application. This proposal should outline the research context, the main aim and objectives of the proposed research, and some indication of the methodology to be used.

Our areas of research

Vision, AI, Autonomous and Human-Centred Systems (VAAH)

This research theme focuses on both theoretical and application aspects in artificial intelligence, computer vision, robotics and autonomous systems, machine learning, bio-inspired AI, pattern recognition, embedded intelligence, image processing, as well as HCI and human-factors. We collaborate extensively with industry to ensure the relevance of its research. We have a very good track record of attracting funding from EPSRC, Newton Fund, Innovate UK, EU, Home Office, NHS and UK industry. Our research has been successfully applied to a variety of real-world domains which include: service robots, agricultural robots, driverless vehicles, UAVs, underwater robots, human motion analysis, medical imaging, security and surveillance, sports, environment monitoring, ambient assisted living, risk and safety assessment, commodity trading, and manufacturing.

Networks and Systems (NetSys)

Theories and technologies in networking, sensing, control and communication play important roles in the modern world and are expected to remain of great significance in the future. Our research focuses on all aspects of networking and communicating systems, and addresses specific issues related to the internet and control, wireless sensor networks, network performance modelling and measurement, performance evaluation with Quality of Service (QoS) constraints and application performance investigation. Work ranges from the underlying mathematical theory to practical creation and operation of networked systems. Research strengths include internet control, wireless sensor networks, internet Quality of Service and congestion control, coding theory, and accessibility and usability.

Theoretical Computer Science (TCS)

The research of the TCS group covers a relatively wide range of established and emerging fields in Theoretical Computer Science, including mathematical logic, formal languages, computability and complexity theory, numerical analysis, cryptography, geometric computation, algorithmic learning theory and energy efficient scheduling.

As part of the School of Science, PhD students within the Department may also contribute to our interdisciplinary research centres:

- Centre for Imaging Science
- Centre for the Science of Materials
- Centre for Geometry and Applications
- Centre for Analytical Science
- Interdisciplinary Centre for Mathematical Modelling
- Interdisciplinary Science Centre from Laboratory to Fabrication (Lab2Fab)

Taught programmes

Advanced Computer Science

MSc

Full-time length: 1 year
Part-time length: Not available

Entry requirements: A 2:2 honours degree or equivalent international qualification in computer science or a related discipline which includes basic programming and networking.

Fees: UK: £11,900 International: £26,500

Programme overview

Our Advanced Computer Science MSc has been developed with input from UK and international organisations to equip students with the cutting-edge practical skills sought by employers.

The fast-paced field of computer science – and the needs of industries and organisations that are driven by technological development – creates a demand for highly skilled individuals possessing the advanced skills and knowledge with which our MSc programme is designed to equip you. Developed with input from UK and international organisations, ensuring commercial relevance, and drawing on the Department's research strengths, the Advanced Computer Science MSc will appeal to students seeking to build on a first degree in Computer Science or a comparable discipline involving programming and networking. It will develop your professional skills and allow you to specialise in areas such as image processing, multimedia, artificial intelligence, robotics, network systems and theoretical computer science.

Modules

Modules may include: Programming for Specialist Applications; Artificial Intelligence; Robotics and Intelligent Systems; Cryptography and Secure Systems; Research Methods; Building Secure Networks; Computer Vision; and a research project.

How you will be assessed

You will be assessed by a combination of exams, coursework, class presentations and a dissertation on an agreed topic.

How you will study

You will be taught through a range of lectures, seminars, presentations, tutorials and computer-based self-managed materials, in combination with laboratory exercises.

Career prospects

Our graduates have gone on to pursue rewarding careers within a wide variety of organisations, including Atos (software development), Sophos plc (network and security engineering), ESOS Ltd (web development) and Bombardier Transportation (network engineering).

Artificial Intelligence

MSc

Full-time length: 1 year
Part-time length: Not available

Entry requirements: A 2:2 honours degree (or equivalent international qualification) in computer science or a related discipline which includes programming.

Fees: UK: £11,900 International: £26,500

Programme overview

Artificial Intelligence (AI) is rapidly changing the world and the advances being made in this fast-paced field of computer science creates a demand for highly skilled individuals possessing the skills and knowledge with which our MSc programme is designed to equip you.

Drawing on the Department's research strength, our MSc Artificial Intelligence will appeal to students seeking to build on a first degree in Computer Science by specialising in the quickly evolving fields of AI, data mining and machine learning – areas that are already having a profound impact in everything from business and finance to health and the environment.

Modules

Modules may include: Programming for Specialist Applications; Artificial Intelligence; Robotics and Intelligent Systems; Machine Learning; Natural Language Processing; Research Methods; Computer Vision; and a research project.

How you will be assessed

You will be assessed by a combination of exams, coursework, class presentations and a dissertation on an agreed topic.

How you will study

You will be taught through a range of lectures, seminars, presentations, tutorials and computer-based self-managed materials, in combination with laboratory exercises.

Career prospects

With module content influenced by industry, and specialist equipment supporting experiential learning, our master's in Artificial Intelligence is designed to support future careers in both industry and academia. AI is a rapidly growing area with many applications across wide-ranging organisations in all sectors and, as such, opportunities exist for talented individuals with specialised knowledge in AI. This is a new programme for 2020 so no graduate data is available as yet.

Data Science

MSc

Full-time length: 1 year

Part-time length: Normally two years

Entry requirements: A 2:2 honours degree (or equivalent international qualification) in any degree subject. Students with a background in computer science will not normally be made an offer, but will be considered on a case by case basis.

Fees: UK: £11,900 International: £26,500

Programme overview

Designed in collaboration with industry partners and supported by funding from the Office for Students (OfS), our MSc in Data Science conversion programme has a unique focus on problem-based learning and offers modules which lead to pathways designed to support your career goals and aspirations.

You can tailor your degree by selecting modules from complementary STEM and non-STEM pathways depending on your academic/professional background and career goals. The STEM modules focus on data analytics and machine learning, and the non-STEM modules focus on understanding how artificial intelligence, big data and data science influence the business context.

This unique MSc conversion programme in Data Science offers an excellent solution for graduates wishing to upskill to pursue roles in data science, data analytics, management and stewardship.

Modules

The programme will include modules focused not only on fundamental data science, but also design thinking and innovation, data governance and ethics and data analysis. There will also be a number of options to allow you to choose a pathway specific to your prior experience and future aspirations.

How you will be assessed

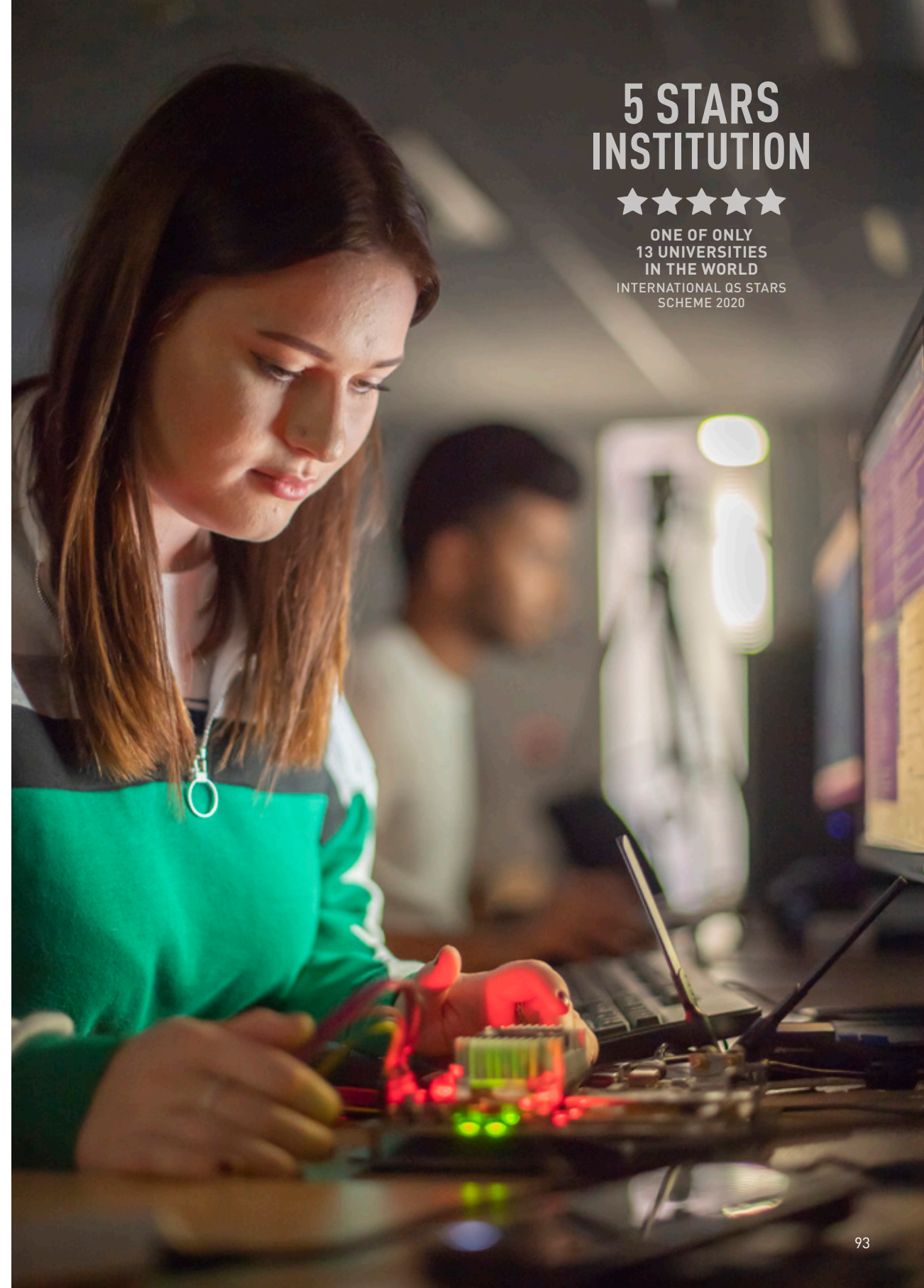
You will be assessed by a combination of exams, coursework, class presentations and a dissertation on an agreed topic.

How you will study

You will be taught through a range of lectures, seminars, presentations, tutorials and computer-based self-managed materials. Delivery of the programme is designed to be flexible with much of the content delivered online, thereby minimising the need to be on campus.

Career prospects

The gathering, processing, interpretation and evaluation of data and information is vital in today's world, and as our technological capacities expand so will the applications of data science. This MSc programme will equip you with the skills of a data scientist, enabling you to work in a wide variety of roles within a wide variety of industries. As this is a new programme for 2020 we do not have any graduate destinations to report on. However, the kind of positions we would anticipate graduates of this programme gravitating towards would include roles as data scientists, data engineers, data managers and data stewards.



5 STARS INSTITUTION



ONE OF ONLY
13 UNIVERSITIES
IN THE WORLD
INTERNATIONAL QS STARS
SCHEME 2020

Shruti

MA Graphic Design and Visualisation

“I was drawn to this master’s because it offered more room for creativity. The course involves independent learning through research and experimentation.”



Our programmes

Research opportunities PhD	p96
Graphic Design and Visualisation MA	p97
Storytelling MA	p97
Storytelling PGCert	p98
Theatre MA	p98

Creative Arts

Loughborough University Creative Arts has an impressive reputation for teaching and research excellence in the fields of visual and performing arts.

Creative Arts is a thriving research community with a proven record for both creative and scholarly outputs of international excellence.

Our research takes place both through individual scholarship and in collaboration with research partners in the UK and across the world. We investigate new directions in both the creation and the analysis of a wide range of cultural forms.

We are also committed to knowledge transfer and knowledge exchange projects and we use our research strengths to form links with the creative industries, to develop the entrepreneurial side of our activities, and to foster a range of productive and effective knowledge transfer partnerships.

Students have full access to a range of outstanding learning and teaching facilities, including newly refurbished study areas, state-of-the-art audiovisual equipment, a sound studio, an online digital storytelling editing suite, a theatre, music rooms and a variety of spaces for seminars and small group activities. Our creative hubs form the heart of creativity and production at Loughborough. These are:

- Creative Digital Technology and Photography
- Print, Dye, Weave, Stitch and Digital Embroidery
- Wood, Metal, Plastics and Laser
- Painting and Print Making
- Ceramics and Mould Making
- Performance and Rehearsal Spaces



2ND IN THE UK
FOR ART AND DESIGN
*THE TIMES AND SUNDAY
TIMES GOOD UNIVERSITY
GUIDE 2021*



2ND IN THE UK
FOR DESIGN AND
CRAFTS
*THE GUARDIAN
UNIVERSITY GUIDE 2021*



4TH IN THE UK
FOR ART AND DESIGN
*THE COMPLETE
UNIVERSITY GUIDE 2022*



4TH IN THE UK
FOR FASHION
AND TEXTILES
*THE GUARDIAN
UNIVERSITY GUIDE 2021*

Research opportunities

PhD: 3 years full-time; 6 years part-time

Entry requirements: An honours degree (2:1 or above) or equivalent international qualification. A relevant Masters qualification is advantageous.

Fees: UK: see website International: £19,200

The School of Design and Creative Arts offers an exciting, interdisciplinary research environment, where research students work alongside expert staff with a diverse range of interests and experience.

We welcome applications in any of the areas listed in this section. Prospective students are encouraged to explore the research activity of our staff before submitting an application. Our PhD programme allows for either a text-based research project, or for a practice-based one. The practice-based PhD requires an appropriate presentation of practice-based research and a text of up to 40,000 words; for the fully text-based PhD the word length is 80,000 maximum.

Usually PhD students have two supervisors. Both may come from Creative Arts or if appropriate, supervisors from this area may co-supervise with staff from other parts of the University.

A full application and an interview are necessary before applicants are accepted. Applicants will normally be asked to provide a written proposal outlining their research project, and (in the case of practice-based proposals) images of work or other appropriate documentation.

When considering applying for a PhD, please bear in mind that the generally accepted definition of a doctorate is 'an original contribution to knowledge/theory'. The project proposal should, through the parameters of its aims and its questioning, be written with this in mind.

Our areas of research

Our world-leading research is interdisciplinary, both within the School and across other academic disciplines at Loughborough. We welcome applications from students whose research aligns with our strengths.

We have a longstanding reputation for delivering cutting-edge research projects that span across design, creative arts, and human factors.

Creative Arts

- Theatre
- Fine Art
- Textiles
- Animation and Drawing
- Creative Writing
- Storytelling

Design

- Digital Design and Fabrication
- Design for Future Living
- Responsible Design
- Graphic Design
- Design Practice

Human Factors

- Environmental Ergonomics
- Transport Safety
- Design Ergonomics
- Complex Systems

For more information on our research areas, staff, and related projects, please see the School of Design and Creative Arts website: lboro.ac.uk/sdca.

Taught programmes

Graphic Design and Visualisation

MA

Full-time length: 1 year

Part-time length: 2 years

Entry requirements: An honours degree (2:1 or above) or equivalent international qualification in an art and design discipline or closely related subject. Additional entry requirements apply. Please see website for more details.

Fees: UK: £10,100 International: £20,800

Programme overview

Our Graphic Design and Visualisation MA aims to develop a specialist approach to graphic design and visualisation through combining traditional and contemporary approaches in the field.

You will be taught in a progressive, research-intensive environment, and will gain a first-hand understanding of the relationship between design and research by working alongside research and academic staff.

You will be given opportunities to develop a personalised visual language through visual thinking combined with traditional and contemporary media. Theory and practice are intertwined as you express your ideas through the production of written assignments and artefacts that are aligned with your specialist area of interest.

You will have full access to a range of outstanding learning and teaching facilities, including newly refurbished study areas, arts hubs and studios, state-of-the-art audio visual equipment, a theatre, music rooms and a variety of offices for seminars and small group activities. These inspiring spaces will enable you to explore numerous creative possibilities and produce work of an industry standard.

Modules

Modules studied may include: Design and Research; Exploring Materials Processes and Techniques; Interdisciplinary Project; Practice and Enterprise; Final Project: Situating and Rehearsing; Research Methodologies: Art and Design; Final Project.

How you will be assessed

Assessment is continuous and based on an appraisal of practice, written material, related research, and professional and entrepreneurial skills in relation to the final project outcome(s).

How you will study

You will study through a range of seminars, lectures, tutorials, independent study, group work, practical sessions, field trips, supervision and workshops.

Career prospects

Graduate destination data is not yet available for this programme. However, this degree is suitable for those interested in working in graphic design related fields.

Storytelling

PGCert (distance learning)

Full-time length: Not available

Part-time length: 2 semesters (one year)

Entry requirements: You should have, or expect to achieve, a 2:1 honours degree (or equivalent international qualification) in a relevant subject. Relevant professional experience will also be considered.

Fees: Please see website for details.

Programme overview

Like the MA Storytelling, the PG Certificate takes storytelling as a creative practice, with the storytelling practitioner at its core. It also focuses on Applied Storytelling – that is the use and application of storytelling within contexts of community-building, personal and professional development, and policy formation. It builds on our international reputation for research in Applied Storytelling relating to areas of health, the environment, education and social justice and offers students the opportunity to develop as storytelling practitioners and work alongside researchers on existing projects in the UK and overseas.

The PG Certificate consists of a selection of modules from the MA programme, but now made available through online/remote delivery, making the PG Certificate ideal for students who, for whatever reason, may be unable to relocate to Loughborough at the present time, or to commit to full-time postgraduate study, but would value a postgraduate award as part of their continuing professional development, achieved through a part-time route.

Students who successfully complete the PG Certificate will be eligible to transfer onto the MA programme, if they so wish, and complete the additional credits to graduate with a master's qualification.

Modules

Modules studied may include: Research Methods in Storytelling; Storytelling and the Digital; Developing Professional Practice; Thinking About Storytelling.

How you will be assessed

You will be assessed through a mixed-methods approach, including via practical assessments, presentations, and essays.

How you will study

You will study via a blend of lectures, seminars, practical sessions, independent and group work. These will be delivered online so attendance on the Loughborough campus is not required.

Career prospects

This programme is suitable for anyone interested in working in the creative industries, for example as a practitioner, administrator or scholar in the UK or global arts sectors.

Storytelling

MA

Full-time length: 1 year

Part-time length: Up to 3 years

Entry requirements: A 2:1 honours degree (or equivalent international qualification) in any subject or, by agreement, equivalent professional experience/qualifications.

Fees: UK: £10,100 International: £20,800

Programme overview

This is an innovative new MA degree which takes storytelling as a creative practice, with the storytelling practitioner at its core.

The focus of our MA Storytelling degree is on Applied Storytelling, which is the use and application of storytelling within contexts of community-building, personal and professional development, and policy formation. It builds on our international reputation for research in Applied Storytelling relating to areas of health, the environment, education and social justice and offers students the opportunity to develop as storytelling practitioners and work alongside researchers on existing projects in the UK and overseas.

Modules

Modules studied may include: Storytelling and the Digital; Interdisciplinary Project; Performance for Heritage; Performance Writing; Developing Professional Practice; Thinking About Storytelling; and a Major Project or Dissertation.

How you will be assessed

You will be assessed through a mixture of essays, presentations, project portfolios and a major project/dissertation.

How you will study

You will study via a blend of practical workshop sessions, seminars, independent research and group work.

Career prospects

This programme is aimed at anyone interested in working within the following sectors: arts; health; environmental humanities; policy; community and social work; international development; heritage, culture and museums; formal and non-formal education; and communications.

Theatre

MA

Full-time length: 1 year

Part-time length: Up to 3 years

Entry requirements: A 2:1 honours degree (or equivalent international qualification) in any subject or, by agreement, equivalent professional experience/qualifications.

Fees: UK: £10,100 International: £20,800

Programme overview

Our MA Theatre offers students the opportunity to develop valuable professional practice experience. Perfect for anyone looking for a postgraduate degree in theatre, this programme is actively interdisciplinary and combines practice-based enquiry with scholarly study. It encourages creative collaboration between postgraduate students across the School of Design and Creative Arts, enabling them to produce dynamic and innovative performance and theatre together.

The programme is concerned with preparing students for careers in the creative industries, by providing opportunities to undertake placements, gain work experience and/or participate in prestigious research projects.

Modules

Modules studied may include: Research Methods and Practice; Arts Management; Storytelling and the Digital; Performance Writing; Developing Professional Practice; Interdisciplinary Project; Performance for Heritage; and Major Project/Dissertation.

How you will be assessed

You will be assessed through a mixed-methods approach, including via practical assessments, presentations and essays.

How you will study

You will study via a blend of practical workshop sessions, seminars, independent research and group work.

Career prospects

This programme is suitable for anyone interested in working in the creative industries, for example as a practitioner, administrator or scholar in the UK or global arts sectors.



TOP 5 IN THE UK FOR
GRADUATE PROSPECTS
THE TIMES GOOD UNIVERSITY
GUIDE 2021

Bogdana

PhD student

“We are being helped to prepare for the next step on our academic path. We have been constantly encouraged and supported to present at conferences, publish academic papers and get involved in research projects and in teaching.”

Our programmes

Research opportunities PhD	p102
Social Science Research (Social Policy) MSc	p103
Childhood, Youth and Social Policy MA	p103
Digital Media and Society MA	p103

Criminology, Sociology, and Social Policy

Criminology, Sociology and Social Policy at Loughborough has long been recognised as an international centre of academic excellence and for its cutting-edge, interdisciplinary work – we are home to world-leading, original and internationally excellent research in sociology, social policy and criminology.

This division is committed to delivering outstanding research that transforms lives and societies and influences and informs government policy. Our staff work with a wide range of public and third sector bodies, including Joseph Rowntree Foundation, the NHS, Child Poverty Action Group, the National Police Chiefs Council and the Victims Commissioner for England and Wales.

Our social policy and criminology research has world-leading impact, particularly in services for children and minimum income standards. Our research and analysis of ‘A Minimum Income Standard for the United Kingdom’ is the leading standard of its kind in the UK, and is being replicated internationally.

Sociology research focuses on intersections of class, gender, race, religion and other social identities and structural inequalities, migration and citizenship, digital media, health, and consumption, culture and inequality.

Our graduates have gone on to work for companies and organisations such as China Development Research Foundation, Elsevier Ltd, Image Line Communication, Institute of Psychiatry, the Metropolitan Police Service, Oxfam, University of Bath, University of Plymouth, Universiti Sains Islam Malaysia and X-Pert Med GmbH.

1ST

1ST IN THE UK
FOR CRIMINOLOGY
THE TIMES AND SUNDAY
TIMES GOOD UNIVERSITY
GUIDE 2021

6TH

6TH IN THE UK
FOR SOCIAL POLICY
THE GUARDIAN
UNIVERSITY GUIDE 2021

TOP
10

TOP 10 IN THE UK
FOR SOCIOLOGY
THE GUARDIAN
UNIVERSITY GUIDE 2021

Research opportunities

PhD: 3 years full-time; 6 years part-time

Entry requirements: A 2:1 honours degree or equivalent international qualification in a relevant discipline. Applicants without a postgraduate qualification will be required to complete research training in tandem with their doctoral programme.

Fees: UK: see website International: £19,200

Based within the School of Social Sciences and Humanities, staff in Criminology, Sociology and Social Policy are active researchers, working within and across disciplinary boundaries. The School is home to 343 postgraduates working closely with 130 specialist supervisors who are located in one of five divisions:

- Communication and Media
- Criminology, Sociology and Social Policy
- English
- Geography and Environment
- International Relations, Politics and History.

Our areas of research

Criminology and Social Policy (CASP)

This group of international researchers focuses on the analysis of issues associated with crime and social policy, and on enhancing the relationships between policy and practice. Research in CASP is situated within and across two central agendas: children, young people and families (social policy), and applied criminal justice (criminology), which includes work in the fields of youth justice, probation, prisons and violent crime, and victim-survivors. Staff members contribute widely to agenda setting and thought leadership in their areas of expertise. In addition to publishing extensively, CASP staff also contribute to national policy debates and the evidence based transfer of policy into practice locally, nationally and internationally.

Sociology

Members of the sociology research team are recognised internationally for contributions to their specialist fields, including social identities and structural inequalities relating to class, gender, race and religion; migration and citizenship; consumption, culture and inequality; health, mental health and biomedicine; digital technologies, economies and cultures; and classic and contemporary social theories. Our academics publish in leading international journals, make regular contributions to public debates by discussing their research findings in national and international media, and have established partnerships with a wide range of stakeholders.

Centre for Research in Social Policy (CRSP)

CRSP is an internationally renowned research centre, specialising in innovative and applied social policy research and critical policy analysis, particularly focused on poverty, income and living standards. CRSP staff collaborate with governments, large funding bodies, policy-makers and practitioners in developing their highly distinctive strategy for research, enterprise and impact. The centrepiece of CRSP's work is the 'Minimum Income Standard', a world-leading, cutting edge research programme working to reach public agreement on the budget levels required to meet a socially acceptable standard of living, collaborating with partners in eight countries to apply this method.

Doctoral Training Partnership (DTP)

Criminology, Sociology and Social Policy is proud to be part of the ESRC Midlands Graduate School DTP in partnership with Warwick, Nottingham, Birmingham, Aston and Leicester universities.

Taught programmes

Social Science Research (Social Policy)

MSc

Full-time length: 1 year

Part-time length: 2 years

Entry requirements: A 2:1 honours degree or equivalent international qualification in a related discipline.

Fees: UK: £10,100 International: £20,800

Programme overview

Our Social Science Research (Social Policy) MSc provides you with a comprehensive overview of the key methodological and philosophical debates that currently shape social sciences. It also provides an opportunity to develop specialised research methods skills in social policy in an internationally renowned department for social policy research.

The programme consists of compulsory and optional modules delivered across Loughborough's Schools of Social Sciences; Sport, Exercise and Health Sciences; Business and Economics; and Science.

On completion of the Social Science Research (Social Policy) programme, you will have met the MSc training requirements for PhD funding from the ESRC, opening up the possibility of securing doctoral researcher funding from this research council.

Modules

Compulsory modules studied may include: Philosophy of Social Science; Quantitative Research Methods; Research Design and Practice; Qualitative Research Methods; Specialist Research Methods: Understanding Social Policy Research; and a dissertation.

Optional modules studied may include: Doing Research with Young People in their Socio-spatial Contexts; Advanced Content Analysis; Methodological Advances in Applied Ethnography; and Applied Conversation Analysis.

How you will be assessed

You will be assessed by a combination of coursework and group work.

How you will study

You will study through a range of seminars, lectures, practical sessions and workshops.

Career prospects

As this is a new programme, graduate destinations are not yet available. However, this degree is particularly suitable for those interested in social and policy research, local government, civil service, housing, third sector and NGOs.

Childhood, Youth and Social Policy

MA

Full-time length: 1 year

Part-time length: 2 years

Entry requirements: A 2.1 honours degree or equivalent international qualification in a related discipline.

Fees: UK: £10,100 International: £20,800

Programme overview

This programme is a multidisciplinary programme that explores children and young people's lives in diverse contexts and related social policy debates. It critically examines current advanced research on children, young people and families with reference to relevant theories and concepts in human geography and the wider social sciences.

See p117 for more information.

Digital Media and Society

MA

Full-time length: 1 year

Part-time length: not available

Entry requirements: A 2.1 honours degree or equivalent international qualification in a related discipline.

Fees: UK: £10,100 International: £20,800

Programme overview

This programme offers a comprehensive understanding of current developments in digital media and their wider social significance. It is designed to provide you with an in-depth understanding of current thinking and debates on the implications of the integral role of digital media in contemporary life. It is delivered by a diverse interdisciplinary team with a strong profile in digital culture, media, sociology, anthropology and communication studies.

See p85 for more information.

Dora

MSc Ergonomics and Human Factors

“The learning environment and the quality of teaching is excellent. I also love the fact that my peers come from very diverse academic and occupational backgrounds – they bring their unique knowledge and experiences to the classroom environment, which I really appreciate.”

Our programmes

Research opportunities PhD	p106
Ergonomics and Human Factors MSc/PGDip/PGCert	p107
Human Factors and Ergonomics for Patient Safety PGCert	p107
Integrated Industrial Design MSc	p108
Occupational Health and Safety Management MSc	p108
User Experience and Service Design MA	p109
User Experience Design MSc	p109

Design

We are proud to be helping the next generation of designers (industrial, product, interaction, user experience and human factors) develop truly life-changing products and services of the future.

Our expertise and teaching is built on the design principles of aesthetics, technology and understanding the user. We offer five postgraduate taught programmes and a range of research opportunities that are designed to help you develop your critical awareness, nurture innovative ideas and truly understand the role of design in the world around you.

We have particularly close links with a range of world-class businesses and organisations, including:

- Adidas AG
- British Council
- Camelot
- Deloitte Digital
- Department for Transport
- Ford
- Hubbub
- IBM
- Innovate UK
- Jaguar Land Rover
- National Health Service
- Nissan UK
- Sainsbury's
- United Nations

Based in a £21 million state-of-the-art building, we have a wealth of facilities, including access to specialist software, workshops and laboratories. Our research facilities include a fully equipped ergonomics laboratory, eye-tracking devices, driving simulators, climatic chambers and additive manufacturing machines.



2ND IN THE UK
FOR DESIGN AND
CRAFTS
*THE GUARDIAN
UNIVERSITY GUIDE 2021*



2ND IN THE UK
FOR ART AND DESIGN
*THE TIMES AND SUNDAY
TIMES GOOD UNIVERSITY
GUIDE 2021*



4TH IN THE UK
FOR ART AND DESIGN
*THE COMPLETE
UNIVERSITY GUIDE 2022*



4TH IN THE UK
FOR OVERALL QUALITY
OF OUR RESEARCH
REF 2014

Research opportunities

PhD: 3 years full-time; 6 years part-time

Entry requirements: An honours degree (2:1 or above) or equivalent international qualification. A relevant Masters qualification is advantageous.

Fees: UK: see website International: £25,100

The School of Design and Creative Arts offers an exciting, interdisciplinary research environment, where research students work alongside expert staff with a diverse range of interests and experience.

We will provide you with everything you need to help ensure you have a great experience and are successful in your research. You will have the opportunity to become part of an exciting community of students, academic staff and researchers. Each student will have two supervisors and we will also provide IT equipment, including state-of-the-art software; regular research seminars and training courses; opportunities to support undergraduate teaching; special tutor sessions in your first year; networking and career-focused opportunities; and student-led initiatives to provide support throughout your studies.

Projects that have funding attached (eg through research councils, university funding or industry sponsorship) are advertised on our online prospectus and do not require a research proposal. For self-funded projects you will need to provide a two-page research proposal that summarises your intended research, the objectives, proposed methods and what the outcomes might be. You are encouraged to explore the research activities of our staff and identify potential supervisors. A full application and interview are necessary before applicants are accepted.

Our areas of research

Our world-leading research is interdisciplinary, both within the School and across other academic disciplines at Loughborough. We welcome applications from students whose research aligns with our strengths. We have a longstanding reputation for delivering cutting-edge research projects that span across design, creative arts, and human factors.

Creative Arts

- Theatre
- Fine Art
- Textiles
- Animation and Drawing
- Creative Writing
- Storytelling

Design

- Digital Design and Fabrication
- Design for Future Living
- Responsible Design
- Graphic Design
- Design Practice

Human Factors

- Environmental Ergonomics
- Transport Safety
- Design Ergonomics
- Complex Systems

For more information on our research areas, staff, and related projects, please see the School of Design and Creative Arts website: lboro.ac.uk/sdca.

Taught programmes

Ergonomics and Human Factors

MSc/Diploma/PG Certificate

Full-time length: 1 year
Part-time length: 2-3 years

Entry requirements: An honours degree (2:1 or above) or equivalent international qualification in various disciplines (design, engineering, psychology, computer science, sports science, management, medicine, nursing, etc.).

Fees: UK: £11,900 International: £26,500

Programme overview

Since its establishment in 1959 our Ergonomics and Human Factors programme has been continuously innovated to respond to new complex challenges in healthcare, transportation, HCI, UX design and more.

The programme is accredited and professionally recognised by the Chartered Institute of Ergonomics and Human Factors (CIEHF).

Modules

Compulsory modules include: Cognitive Ergonomics, Physical Ergonomics, Occupational Ergonomics, Human Factors and Systems, Data Collection and Analysis, Project Module (Dissertation.) As well as Ergonomics and Human Factors you can select a specialist stream: Human Factors for Inclusive Design, Human Factors in Transport, Human Factors and Ergonomics for Patient Safety, Ergonomics in Health and Community Care. This involves including three of the following optional modules appropriate to the specialism: Environmental Ergonomics, Interaction and User Experience Design, Inclusive Design of Products and Services, Transport Safety, Healthcare Ergonomics and Patient Safety, Patient Handling Ergonomics. The PG Certificate includes the optional specialist module.

How you will be assessed

Assessment may include individual reports, group evaluations, group presentations, open book tests, class tests, critiques, coursework, a dissertation and a viva.

How you will study

Each module is block taught over a one-week intensive period at Loughborough and you will complete assignments outside of this time. All materials and information are available through our online system.

Career prospects

Graduate roles include: usability designer/engineer, user researcher, human factors/UX/risk consultant. Graduate destinations include: Dyson, Philips, Jaguar Land Rover, government agencies and design/engineering/risk consultancies in various sectors (medical device, defence, rail, automobile, nuclear, oil and gas, etc.). Other graduates have gone on to pursue further research careers (PhDs).

Human Factors and Ergonomics for Patient Safety

PG Certificate

Full-time length: 1 year
Part-time length: 2 years

Entry requirements: Relevant professional experience – applicants will be considered on a case-by-case basis.

Fees: UK: £11,900 International: £26,500

Programme overview

Our PG Certificate Human Factors and Ergonomics for Patient Safety programme provides an insight into human factors, focusing on applying the systems approach to improving patient safety in the healthcare sector. It also concentrates on system analysis, patient safety incident investigation, and usability evaluation of medical device and equipment.

The programme examines how best to ensure a good fit between people, their actions, the objects they use and the environments which they occupy. You will apply theoretical principles, data and methods to ensure that design is optimised for human wellbeing and overall system performance.

This certificate is professionally recognised by the Chartered Institute of Ergonomics and Human Factors (CIEHF), which is affiliated with the International Ergonomics Association.

Modules

Modules studied include: Cognitive Ergonomics; Physical Ergonomics; Human Factors and Systems; Healthcare Ergonomics and Patient Safety.

How you will be assessed

Assessment may include individual reports, group evaluations, group presentations, open book tests, class tests, critiques, coursework, a dissertation and a viva.

How you will study

Each module is block taught over a one-week intensive period at Loughborough. Outside of this time you will be expected to complete prepared programme materials and assignments. We will provide you with access to an interactive online system with additional materials and information, and the opportunity to remotely participate in tutorial-type discussions.

Career prospects

Successful completion of this programme will enable you to become a professional ergonomics human factors practitioner.

Example jobs held by our recent graduates include: Head of Patient Safety, National Patient Safety Incident Investigator, Human Factors Specialist for Medical Device, Risk Manager, and Human Factors Consultant.

Integrated Industrial Design

MSc

Full-time length: 1 year
Part-time length: Not available

Entry requirements: An honours degree (2:1 or above) or equivalent international qualification in a related subject, evidence of technology engagement in a Design context and a demonstrable knowledge of 3D CAD. A portfolio providing evidence of experiential learning and/ or practice, with clear evidence of physical prototyping capability, at an appropriate standard is required.

Fees: UK: £11,900 International: £26,500

Programme overview

Our Integrated Industrial Design MSc will develop your critical awareness of major industrial design practice today, increasing your input capability and value to employers.

The programme encompasses the traditional design process, starting from a design problem or opportunity and ending with a complete product that is fit for mass or batch production, but widens the scope and depth of the business, enterprise and socio-economic context in 2022. It covers areas such as sketching, visual layouts, presentation techniques, qualitative and quantitative design research methods, enterprise and business, design for behaviour change, creating product design briefs, project management, advanced CAD application and design practice.

You will develop skills in producing a balanced portfolio of high quality designs and innovative thinking, enabling you to deal with complex and interrelated issues, both analytically and creatively.

The programme also provides you with opportunities to participate in industry supported projects.

Modules

Modules studied may include: Industrial Design and Technology Skills; Digital Fabrication; Advanced 3D CAD; Design Research Methods; Design for Behaviour Change; Business, Enterprise and Design; Integrated Industrial Design Major Project.

How you will be assessed

You will be assessed by coursework, including the submission of design projects and reports, and group and individual presentations.

How you will study

You will study through a range of seminars, lectures, tutorials, independent study, practical sessions, supervision and workshops.

Career prospects

Possible careers include industrial design consultancy, product designer, or as a user-centred multidisciplinary design team member (with design-maker and prototyping skills). Recent graduates have also taken up posts as UX Designers.

Occupational Health and Safety Management

MSc

Full-time length: Not available
Part-time length: Up to 2 years

Entry requirements: A 2:2 honours degree (or equivalent international or professional level 6 qualification) with relevant professional experience in the occupational health and safety sector.

Fees: UK: £11,900 International: £26,500

Programme overview

This programme is aimed at professional health and safety advisors and managerial, engineering and scientific staff with responsibilities for occupational safety and health (OSH).

It gives students the opportunity to advance their understanding of OSH management, moving this to a higher level. The programme provides the academic knowledge and skills to develop sophisticated OSH policies, strategies and interventions, relevant to a variety of organisational contexts, against a backdrop of ever-changing regulatory, social and economic contexts.

Modules

Modules studied may include: occupational health and safety law; risk management; human factors and safety; research skills and training; the management of physical hazards; occupational health and safety management; and data collection and analysis.

How you will be assessed

100% coursework, including the submission of projects, dissertations and group/individual presentations.

How you will study

The majority of modules are delivered at the University, face-to-face, each taking place during the course of a week. This arrangement promotes a fulfilling learning experience, giving the benefits of close interaction with student colleagues and acknowledged experts in the field.

Career prospects

The majority of our students are already working in OSH positions. Pursuing the MSc has been shown to increase further employability. Many graduates from the course have since gone on to occupy senior roles within a diverse range of industries.

User Experience and Service Design

MA

Full-time length: 1 year
Part-time length: Up to 4 years

Entry requirements: An honours degree (2:1 or above) or equivalent international qualification. Most applicants have a design background but we also welcome students from any discipline relevant to user experience and service design, including but not limited to: psychology, computer science, marketing, sociology, architecture and business studies. All students from a design related background should provide a portfolio showing examples of relevant work. For those who are not able to provide a portfolio, it is important that their personal statement explains their interest in user experience and service design and describes any relevant experience.

Fees: UK: £11,900 International: £26,500

Programme overview

This programme develops empathic, systemic, and strategic design knowledge and skills to enable design of meaningful socially and environmentally responsible digital product and service experiences. It takes an inclusive and systemic approach to human centred design that goes beyond designing for individual users to consider the diverse needs of all stakeholders, society and our planet. You will engage in a wide range of individual, group, and industry-led projects, developing critical skills in user experience and service design practice, qualitative design research methods, storytelling, co-design, interactive screen-based and video prototyping, user interface design, usability testing, service design, digital innovation, team-working, and project management.

Modules

Modules studied may include: Experience Design; Usability Principles and Practice; Design Research Methods; Design for Behaviour Change; Design for Inclusivity; Digital Storytelling; Industry Project; Service Design; User Experience and Service Design Major Project.

How you will be assessed

You will be assessed by coursework, including the submission of design projects and reports, and group and individual presentations.

How you will study

You will study through a range of seminars, lectures, tutorials, independent study, practical sessions, supervision and workshops.

Career prospects

Our graduates work as user experience designers and researchers, interaction designers and service designers. Graduate destinations include: IBM, Samsung, Next, Dyson, Tencent, Baidu, and Ali Baba. Other graduates have gone on to pursue careers in research and are currently completing PhDs.

User Experience Design

MSc

Full-time length: 1 year
Part-time length: Up to 4 years

Entry requirements: An honours degree (2:1 or above) or equivalent international qualification. Most applicants have a design background, but we welcome students from any discipline relevant to user experience design, including but not limited to: psychology, computer science, engineering, marketing, architecture, and business studies. All students from a design-related background should provide a portfolio showing examples of relevant work. For those who are not able to provide a portfolio, it is important that their personal statement explains their interest in user experience design and any relevant experience. All applicants must, however, demonstrate experience of quantitative data analysis and be comfortable working with new technology.

Fees: UK: £11,900 International: £26,500

Programme overview

Our User Experience Design MSc combines UX's emotion-centred design with scientific research's analytical mindset. You will develop your capabilities in user experience design methods, interaction design, usability, and understanding how technologies can create tomorrow's great user experiences. The course builds your creative, analytical, and practical skills in user experience design while working on a diverse range of projects. These skills focus on user experience design principles, qualitative and quantitative design research methods, interactive screen-based prototyping, interaction design, usability and accessibility evaluation, advanced technology prototyping, team working, and project management. The User Experience design MSc is more tanalytical and a little more hands-on with technology than the parallel MA programme.

Modules

Modules studied may include Experience Design; Usability Principles and Practice; Design Research Methods; Design for Behaviour Change; Industry Project; UX Design for Advanced Technology; Experience Design for Digital Healthcare; Tangible Interaction Design; UX Design Research Major Project.

How you will be assessed

This MSc is 100% coursework-based, including design projects, reports, and group and individual presentations.

How you will study

You will study through a range of seminars, lectures, tutorials, independent study, practical sessions, supervision, and workshops.

Career prospects

Our UX graduates work as user experience designers and researchers, interaction designers and usability specialists. Graduate destinations include IBM, Samsung, Next, Dyson, Tencent, Baidu, and Ali Baba. Other graduates have pursued careers in research, or are completing PhDs.

Megan

PhD English

“Loughborough English is a really supportive and communicative department with a diverse range of research interests and areas of expertise. As a new Doctoral Researcher, I am enjoying being part of such a collaborative and creative environment.”

Our programmes

Research opportunities PhD	p112
MA Contemporary Literature and Culture	p113
MA Creative Writing and the Writing Industries	p113

English

Undertaking postgraduate study in English at Loughborough means you will become part of a vibrant community of researchers comprising master's students, those embarked upon doctoral studies, and members of faculty.

Our staff research expertise is concentrated in creative writing, textual editing, the health humanities, and understandings of gender and identity. We have specialists in American literature and culture, Irish writing, film, and in periods of literature from the Medieval and Renaissance through to the present, encompassing a broad range of research interests that also includes interdisciplinary work. We are a friendly and supportive group of scholars passionately committed to illuminating the significance of literature and culture.

Every year, we host a lively programme of research seminars, research group activities, and other events such as conferences and symposia, author readings and workshops in which you will be able to participate and which will provide opportunities to begin to build and enhance your academic networks. Our academic offices and postgraduate room, our 'break out space' where we hold social events, and a variety of teaching rooms that are also used for research events are all housed together in Martin Hall, providing a central focus for our scholarly community and for the exchange of ideas, skills, and expertise.

Our master's programmes have been designed to challenge you in your chosen area and also to deliver a distinctive set of transferable professional skills, including the ability to navigate project work successfully, learning how to interact with and benefit from heritage sites and community partnerships, and even the unique opportunity to plan and put on a literary festival, shaped and directed by you, the students. These exciting programmes are tailored to combine our research expertise with a skillset that will fit you for a career in the writing industries, as well as success with your own writing.

TOP
10

TOP 10 IN THE UK
FOR ENGLISH
*THE TIMES AND SUNDAY
TIMES GOOD UNIVERSITY
GUIDE 2021*

TOP
10

TOP 10 IN THE UK
FOR ENGLISH
*THE GUARDIAN
UNIVERSITY GUIDE 2021*



THE MAJORITY OF OUR
STAFF RESEARCH
IS JUDGED TO BE
WORLD LEADING OR
INTERNATIONALLY
EXCELLENT
REF 2014

Research opportunities

PhD: 3 years full-time; 6 years part-time

Entry requirements: An honours degree (2:1 or above) or equivalent international qualification in a related subject.

Fees: UK: see website International: £19,200

Based within the School of Social Sciences and Humanities, staff in English are active researchers, working within and across disciplinary boundaries.

The School is home to 343 postgraduates working closely with 130 specialist supervisors who are located in one of five divisions:

- Communication and Media
- Criminology, Sociology and Social Policy
- English
- Geography and Environment
- International Relations, Politics and History.

Research in English is rigorous, creative, and impactful. It offers a fertile environment for innovative research. The research community in English is lively and diverse and is driven by a desire for exploration, knowledge, and experimentation. We combine theory and practice, and explore a wide range of areas including conducting interdisciplinary research. The breadth of our research along with our collaboration with external partners means that our work has a meaningful impact in the world.

Our areas of research

Research in English includes wide historical coverage from the seventeenth century to the present moment. In addition to prose, life writing, and poetry, we also work on creative writing, drama, film, and American literature.

The following list constitutes our research areas and research groups:

Contemporary

A distinct research strength of staff and postgraduates at Loughborough is our attention to 'the contemporary'. We ask critical questions about how the contemporary is experienced, theorised, produced, and contested across contemporary culture.

Cultural Currents 1870-1930

Cultural Currents 1870-1930 researches the literature and culture of the late-Victorian and Modernist periods. Its work encompasses literary and cultural criticism, textual editing, digital scholarship, and publishing history, with interdisciplinary links to visual art, politics, history, and gender and sexuality studies.

Digital Humanities

DH@lboro is an interdisciplinary research group in the digital humanities, providing a regular forum for discussion and knowledge exchange on all aspects of digital humanities, digital media and digital environments.

Early Modern Culture

We have expertise in literature from the Renaissance to the early Enlightenment, including key areas such as drama and performance; health and wellbeing; and politics and religion. A key aim of our research is the integration of historical understanding of the period into readings of literary works.

Gendered Lives

Our research into gender, how it is experienced, and represented, involves the examination of life-narratives and their representations, the study of diaries, letters and personal documents, the writing of poetry, fiction, and auto/biography, and theory on gender, sexuality, and feminism.

Health Humanities

Our research explores the intersection of English, Humanities, Health, Healthcare, and Wellbeing. We have particular interests in mental health in the nineteenth century, ageing and contemporary culture, early modern dietary culture, and early modern women's health, pregnancy, and childbirth.

Taught programmes

Contemporary Literature and Culture

MA

Full-time length: 1 year

Part-time length: Not available

Entry requirements: 2:1 honours degree or equivalent international qualification.

Fees: UK: £10,100 International: £20,800

Programme overview

The Contemporary Literature and Culture MA is an innovative programme that provides an understanding and appreciation of literature and culture in the contemporary period. Students have the opportunity to study a range of cultural forms, including literature, digital media, drama, film, and television, in order to analyse what we understand by the contemporary and its culture. The programme furnishes knowledge and skillsets that are put to practical use in an innovative core module that sees students collectively contribute to the dissemination of contemporary literature by planning and holding a literary festival in the summer term. The culmination of the programme is the research and writing of the final dissertation on a topic chosen and developed by each student individually.

Modules

Modules on the programme include: The Market, Literary Prizes and Canon Formation, Resources for Advanced Research, Writing Heritage and History, Contemporary Literature and Culture, 21st Century U.S. Literature and Culture, Writing in the Community, and Dissertation.

How you will be assessed

You will be assessed through a combination of coursework, group work, presentations, organising and hosting a literary festival, and a dissertation.

How you will study

You will study through a range of seminars, lectures, practical sessions, and workshops.

Career prospects

This programme will improve your academic and research abilities as well as skills in written communication, critical thinking, and independent assessment. You will gain practical skills and experience in problem-solving, teamwork, and flexible working. This equips our graduates to go on to further study and careers in academia, and opens up opportunities in many kinds of public and private sector graduate careers requiring research skills and the formulation of projects and policy documents. Graduates are qualified to go into a range of careers, including writing and journalism, editing and publishing, research, arts management, marketing, public relations, and education.

Creative Writing and the Writing Industries

MA

Full-time length: 1 year

Part-time length: 2 years

Entry requirements: A 2:1 honours degree or above or equivalent international qualification in a relevant subject. Relevant professional experience will also be considered. Additional entry requirements apply, please see website for full details.

Fees: UK: £10,100 International: £20,800

Programme overview

The programme takes a highly practical approach to writing and working as a writer. It deals in transferable skills as well as the aspirations of each individual, in a student-focused manner. Students work on their own creative work and skill-set in a friendly environment, supported by teaching staff with wide experience of writing, publishing, and the writing industries. It offers practical experience of event management including the opportunity to read your work to an audience.

The course includes core creative writing modules alongside professional development. There are workshops on a range of genres in fiction, creative non-fiction and poetry, as well as sessions on how to plan, structure and edit completed work in your chosen form. Students will also learn about the role of writers in a variety of settings, including the Heritage Sector, community arts and literary and cultural events. The course also includes training on research skills, which are key to post-graduate study, writing the dissertation, and working as a writer.

Modules

Modules studied include: Writing for Publication; Resources for Advanced Research; Writing Heritage and History; The Writer and the Writing Industries; Writing in the Community; The Politics of Representation; and Dissertation in Creative Writing or Writing Industries Project.

How you will be assessed

You will be assessed on your creative writing, and how it develops, as well as how you develop your profile and skill-set as a writer. This will include presentations and readings as well as work on practical tasks such as event management.

How you will study

You will study through a range of workshops, feedback sessions, independent study, group work and field trips.

Career prospects

This degree is particularly suitable for those interested in completing and publishing their own work, and working as freelance writers, as well as those with interests in working in education, heritage, the arts and events management. It is also excellent preparation for a PhD in Creative Writing.

Ciara
PhD student

“The knowledge and expertise here is outstanding. I am thrilled I’ve had the opportunity to study at Loughborough University!”

Our programmes

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Childhood, Youth and Social Policy MA	p117
Climate Change Politics and Policy MA	p117
Climate Change Science and Management MSc	p118
Environmental Monitoring, Research and Management MSc	p118
International Financial and Political Relations MSc	p119

Geography and Environment

Geography and Environment offers a diverse portfolio of postgraduate teaching and research opportunities covering the full breadth of contemporary physical and human geography.

Each programme includes training and support to develop the key transferable skills and attributes required to continue into careers across a range of industries and sectors. On completion of their programme, many postgraduates have continued into roles with government agencies, not for-profit organisations, the European Commission and the United Nations.

We are located inside a state-of-the-art research and teaching facility, complete with a river science laboratory, geospatial laboratory and several meteorological and hydrological field stations. The campus also has a 16-hectare research forest comprised of ancient and semi-natural woodland.

Inspiring research

Our academic staff are driving forward intellectual agendas in physical and human geography, as well as helping to shape national and international policy. This expertise ensures that the knowledge you are getting throughout your programme is at the cutting-edge of scientific research and focused on some of the most important issues in society today.

Becoming a postgraduate student within Geography and Environment provides you with the opportunity to become part of this innovative research community.

We are a dynamic and vibrant place to be a postgraduate student and we are proud of our reputation for creating a friendly and supportive environment.

**TOP
10**

TOP 10 IN THE UK
FOR GEOGRAPHY AND
ENVIRONMENTAL SCIENCES
*THE GUARDIAN
UNIVERSITY GUIDE 2021*



95% OF RESEARCH
CLASSSED AS
'INTERNATIONALLY
RECOGNISED'
REF 2014

Research opportunities

PhD: 3 years full-time; 6 years part-time

Entry requirements: A 2:1 honours degree or equivalent international qualification in geography or a related discipline.

Fees: UK: see website International: £19,200

Based within the School of Social Sciences and Humanities, academic staff in Geography and Environment are active researchers, working within and across disciplinary boundaries.

The School is home to 343 postgraduates working closely with 130 specialist supervisors who are in one of five divisions:

- Communication and Media
- Criminology, Sociology and Social Policy
- English
- Geography and Environment
- International Relations, Politics and History.

Our areas of research

We are passionate about research and where it can take us. We are constantly pushing the scientific boundaries of geographical and environmental research, setting new intellectual agendas and advancing conceptual, theoretical and methodological debates.

We use our knowledge, skills, curiosity and creativity to design and conduct research that matters and makes a difference in the world. We pursue answers and solutions to challenging questions and problems across the social and natural sciences. Most importantly, we provide an inclusive research environment where postgraduate, postdoctoral and academic researchers work closely together to develop their research careers.

We are particularly recognised for our excellence and leadership across six interdisciplinary research themes where we exhibit world leading strengths.

Cities

As the home of the Globalization and World Cities (GaWC) research network for over 20 years, our cities research is recognised internationally for theorising and mapping new geographies of globalised urbanisation, advancing the development of relational approaches in urban analysis, and its empirical depth.

Children, Youth and Families

At the forefront of establishing children's geographies, our research explores formal and informal spaces of education and childhood experiences. Current work is challenging the liberal founding conceptions of children's geographies and examining the geographies of private tutoring, youth volunteering and outdoor education.

Climate-Water-Energy

We are recognised for our world-leading interdisciplinary research around climate compatible growth and the provision of safe, low-carbon energy alternatives in the Global South. We currently lead multi-year research programmes in excess of £75M, working with partners including the World Bank and the UK Government.

Hydroclimate, Risks and Resilience: Our work on extreme heat, urban flooding and catastrophe modelling aims to reduce the vulnerability of communities and strengthen the resilience of infrastructure to climate change and increasing hydroclimatic risks.

Migration and Nation

Our research is transforming understandings of how powerful migration forces and ideas about migration and 'nation' affect contemporary societies. Our research examines how and why social groups migrate internally within different national contexts along with factors underpinning the movement of individuals and social groups across international boundaries, such as human trafficking, asylum seeking, international student mobilities and migration industries.

Understanding and Managing Environmental Change

Our research on freshwater environments, their limnology, ecology and geomorphology emphasises the interactions between biotic and abiotic components for local and global processes, including carbon cycling. We use field monitoring, laboratory experiments and numerical modelling to work on these and other aspects of environmental processes and change, including generation of global dust, Arctic sediment yield, and long-term landscape erosion.

Doctoral Training Partnership (DTP)

Geography and Environment is part of the Central England NERC Training Alliance DTP in partnership with the Universities of Birmingham, Leicester, Warwick, Cranfield, Open University, and the National Centre for Earth Observation, National Centre for Atmospheric Science, Centre for Ecology and Hydrology, and British Geological Survey. It provides three and a half years of PhD study with a framework of additional training, personal and professional development.

Taught programmes

Childhood, Youth and Social Policy

MA

Full-time length: 1 year

Part-time length: 2 years

Entry requirements: A 2:2 honours degree with 55% or above (or equivalent international qualification) in geography or another social sciences/humanities discipline. Applicants with appropriate professional expertise will also be considered.

Fees: UK: £10,100 International: £20,800

Programme overview

Our Childhood, Youth and Social Policy MA is a multi-disciplinary programme that explores children and young people's lives in diverse contexts and related social policy debates.

The programme critically examines current advanced research on children, young people and families with reference to relevant theories and concepts in human geography and the wider social sciences.

The MA will develop your understanding of the key concepts and theorisations of childhood and youth, as well as enhance your knowledge on children and young people's lives across the Global North and South. This programme will also help develop your skills in a range of research methods, especially those relevant to the study of childhood and youth and attentive to young people's 'voice'.

Modules

Modules studied may include: Childhood, Youth and Education: Space, Place and Politics; Children, Young People and Social Policy; Doing Research with Young People in their Socio-Spatial Contexts; Understanding Social Policy Research; Research Design and Practice; and a dissertation in Childhood, Youth and Social Policy.

How you will be assessed

You will be assessed by coursework essays, reports, presentations and a dissertation on an agreed topic.

How you will study

You will study through a range of seminars, lectures, tutorials and independent study.

Career prospects

Students graduating from this programme have embarked on exciting careers in childcare and education contexts. Alumni have also secured funded PhD studentships to pursue independent research. The course is also suitable for those interested in policy roles related to children, youth and families.

Climate Change Politics and Policy

MA

Full-time length: 1 year

Part-time length: 2 years

Entry requirements: A 2:2 honours degree with 55% or above (or equivalent international qualification) in geography or another social sciences/humanities discipline. Applicants with appropriate professional expertise will also be considered.

Fees: UK: £10,100 International: £20,800

Programme overview

This programme addresses the urgent societal challenge of climate change, with a broad, international, problem-focused perspective that will suit students from a wide range of backgrounds.

Climate change is the most critical and urgent issue facing humanity in the 21st century and will define the legacy of the individuals and institutions of today.

Modules tackle issues such as international politics and globalization, sustainability and development, crisis governance, and putting climate science into practice. Students will graduate prepared to become agents of change: who can embed sustainable, critically-informed practices into their careers. Their training will enable public and private sector organisations to survive and thrive because they have a command of science, politics and policy.

Modules

Modules studied include: International Politics: Issues and Policies; Globalization: Key Debates and Issues; Mapping and Modelling the Sustainable Development Goals; Climate Risk; Governing Crises; Research Design and Practice; Economics and Policy for Sustainable Development; Climate Science into Practice; and Dissertation in Climate Change Politics and Policy.

How you will be assessed

You will be assessed through coursework, essays, reports and a dissertation on an agreed topic.

How you will study

You will study through a range of Lectures, Seminars, Independent study, Workshops, Practical sessions and Access to online material.

Career prospects

As this is a new programme, graduate destinations are not yet available. However, MA graduates from the School have an excellent track record of securing research positions or jobs in the public and private sectors. Many of our graduates have secured jobs by networking with the contacts made during their programmes. Recent graduate destinations include the House of Commons Policy Research Unit, Future First and Aon risk management services.

Climate Change Science and Management

MSc

Full-time length: 1 year
Part-time length: 2 years

Entry requirements: A 2:2 honours degree with 55% or above (or equivalent international qualification) in geography or another social sciences/humanities discipline.

Fees: UK: £10,100 International: £20,800

Programme overview

This programme addresses the urgent science of climate change, risk and management with a broad, problem-focused perspective that will suit students from a wide range of backgrounds.

Climate change is the most critical and urgent issue facing humanity in the 21st century and will define the legacy of the individuals and institutions of today.

Modules tackle issues such as defining and modelling climate risk, tools for environmental management, sustainability and development, and crisis governance.

Geography and Environment is located inside a state-of-the-art research and teaching facility, complete with a river science laboratory, geospatial laboratory, and a campus-based weather station. The campus also has a 16-hectare research forest, comprised of ancient and semi-natural woodland.

Modules

Modules studied include: Research and Professional Practice; GIS for Environment Management; Mapping and Modelling the Sustainable Development Goals; Climate Risk; Research and Professional Practice; Geospatial Risk Modelling for Management; Governing Crises; Economics and Policy for Sustainable Development; Climate Science into Practice; and Dissertation in Climate Change Science and Management.

How you will be assessed

You will be assessed through coursework, essays, reports and a dissertation on an agreed topic.

How you will study

You will study through a range of Lectures, Seminars, Independent study, Workshops, Practical sessions and access to online material.

Career prospects

As this is a new programme, graduate destinations are not yet available. However, Geography and Environment MSc graduates have an excellent track record of securing jobs in consultancy, research and government agencies, in fields including flood risk modelling and engineering, catastrophe risk analysis, water quality monitoring and transport planning. Many of our graduates have secured jobs by networking with the contacts made during their programmes.

Environmental Monitoring, Research and Management

MSc

Full-time length: 1 year
Part-time length: 2 years

Entry requirements: An honours degree (good 2:2 of 55% or above) or equivalent international qualification in geography or other science/engineering discipline. Applicants with appropriate professional expertise will also be considered.

Fees: UK: £10,100 International: £20,800

Programme overview

Our Environmental Monitoring, Research and Management MSc programme focuses on the practical skills required for successful and sustainable environmental management and research.

The programme focuses on the dynamic nature of physical and ecological environmental systems and through field, laboratory and analytical work, it teaches the practical techniques to assess and manage dynamic environmental systems. It emphasises the challenge of measuring, analysing and evaluating a wide range of data for environmental problem-solving and management.

We are located inside a state-of-the-art research and teaching facility, complete with a river science laboratory, geospatial laboratory and meteorological and hydrological field stations. The campus also has a 16-hectare research forest comprised of ancient and semi-natural woodland.

Modules

Modules studied may cover topics including: Research Design and Professional Practice in Environmental Management; Tools for River Research and Management; Hydroclimatology; Geospatial Risk Modelling for Management; GIS for Environmental Management; Lake Research and Management; Research-Informed Environmental Management; Environmental Monitoring of Wind; and a dissertation.

How you will be assessed

You will be assessed by coursework, essays and reports, and a dissertation on an agreed topic.

How you will study

You will study through a range of seminars, lectures, independent study, group work, practical and laboratory sessions and field trips.

Career prospects

Recent graduates have gone on to work for Eco-Fuels, the Environment Agency, Balfour Beatty, National Grid, AECOM and the RPS Group or onto UK and international PhD programmes.

Graduate job titles include Quality Tester, Environmental Monitoring Assistant, Environmental Project Manager, Project Consultant and Graduate Modeller.

International Financial and Political Relations

MSc

Full-time length: 1 year
Part-time length: 2 years

Entry requirements: A 2:2 honours degree with 55% or above (or equivalent international qualification) in business and management, geography or another social sciences/humanities discipline.

Fees: UK: £10,100 International: £20,800

Programme overview

Our International Financial and Political Relations MSc explores the intersection of finance, politics and international relations by examining the changing nature of financial systems, International Financial Centres (IFCs), banking and regulation and issues of governance.

The programme addresses the need for qualified specialists with applied knowledge of the increasing globalisation of financial and political networks, and in particular of global strategy and innovation in financial corporations.

You will develop an understanding of processes of contemporary globalisation in relation to geographies of finance; an understanding of the relationship between financial systems, banking and regulation, and issues of governance; a detailed appreciation of the working of banking and financial markets and International Financial Centres; and an awareness of the way forms of governance shape the political economy.

The MSc is an ideal multi-disciplinary grounding to inform business and policy practice or to pursue doctoral research in the social sciences.

Modules

Modules studied may include: Financial Globalisation; Critical Perspectives on the Global Financial System; Key Debates and Issues; Comparative Foreign Policy; Issues and Cases; International Politics: Issues and Policies; Governing Crises; Research Design and Practice; and a dissertation.

How you will be assessed

You will be assessed by exams, coursework, class presentations and a dissertation on an agreed topic.

How you will study

You will study through a range of seminars, lectures, tutorials, independent study and group work.

Career prospects

Recent graduates have gone on to work for Gain Capital, IMG, Ipsos Mori, JP Morgan, Royal Bank of Scotland, Ernst & Young, IAB and the National Audit Office.

Graduate job titles include Financial Analyst, Currency Consultant, Risk Manager, Investment Banker, Portfolio Manager, Investment Manager, and Tax Consultant.

Shane

PhD student

“My favourite thing about Loughborough is the community and support. I received a warm welcome from the current doctoral researchers when I arrived and quickly became part of the community. Everyone wants to see you succeed.”

Our programmes

Research opportunities PhD	p122
Security MA	p123

International Relations, Politics and History

International Relations, Politics and History is committed to delivering outstanding research that has the potential to transform policy, raise new questions and inspire academic and public debate.

Experts within the division research and teach across areas relevant to contemporary politics and international studies with an emphasis on migration, populism, development politics and security and defence issues. There is particular strength in the study of regional politics in Africa, Europe and the Arctic. Colleagues work and teach on issues such as gender and militarism, climate change and security, terrorism and urban warfare.

International Relations, Politics and History at Loughborough is also home to a strong teaching and research base in contemporary and international history with colleagues teaching slavery, empire, post-colonial politics and post-1945 Britain.

Our research focuses on contemporary politics and political theory, modern and international history, international organisation and security studies. We emphasise our policy-relevant work which is linked to practical work for government, NGOs and public debate.

Most of our research is linked to humanities and the political and social sciences but we also have a fascinating portfolio of interdisciplinary research into the history of ideas, radical movements and activism, gender politics, international politics and history, government and governance, politics and the arts, media studies, history, and digital humanities.

Inspiring graduates

International Relations, Politics and History is a supportive environment for postgraduate study and fosters strong research links between academics and students. Students participate in seminar planning and receive tailored advice on fellowships and publication. Graduates from this area have secured prestigious positions in academic institutions, whilst others have pursued careers in academic publishing, in international and UK-based campaign groups, and with civil society organisations.

4TH

4TH IN THE UK
FOR GRADUATE PROSPECTS
IN POLITICS
THE COMPLETE
UNIVERSITY GUIDE 2021

5TH

5TH IN THE UK
FOR RESEARCH INTENSITY
IN POLITICS
THE COMPLETE
UNIVERSITY GUIDE 2021

TOP
10

TOP 10 IN THE UK
FOR TEACHING QUALITY
IN POLITICS
THE TIMES AND SUNDAY
TIMES GOOD UNIVERSITY
GUIDE 2021

Research opportunities

PhD: 3 years full-time; 6 years part-time

Entry requirements: A 2:1 honours degree or equivalent international qualification in a relevant discipline. Applicants without a postgraduate qualification will be required to complete research training in tandem with their doctoral programme.

Fees: UK: see website International: £19,200

Based within the School of Social Sciences and Humanities, staff in International Relations, Politics and History are active researchers, working within and across disciplinary boundaries. The School is home to 343 postgraduates working closely with 130 specialist supervisors who are located in one of five divisions:

- Communication and Media
- Criminology, Sociology and Social Policy
- English
- Geography and Environment
- International Relations, Politics and History.

Supporting you

You will be assigned two supervisors who are international experts in their respective fields plus an internal reviewer and a Director of Doctoral Programmes.

This team provides tailored academic and pastoral support throughout your studies. The School runs an extensive programme of research training and you will have the chance to participate in and run seminars and discussion groups. These will help you integrate into the School's academic community and develop skills that will enable you to present your work at national and international conferences. You will be provided with access to a shared office with networked PC and specialist software, and allowances for photocopying, conference attendance and interlibrary loans.

How to apply

For anyone who wants to apply – those with funding or self-funded – you are strongly advised to contact us before making an application. This will allow us to ensure that supervision is available and that your proposal falls into an area of established expertise. It also helps us put you in touch with our academics if you want to discuss your ideas informally before you apply.

Our areas of research

Democracy and its Challenges

Democracy and its Challenges contains our research groupings in populism, ethics in public life, and anarchism. Researchers analyse the empirical and philosophical challenges facing democratic states including the rise of populism, democratic decline, climate crises, poverty (with colleagues in Social and Policy Studies) and political communication and the role of elites in framing and shaping citizens' perceptions of politics (with colleagues in Communication and Media). Researchers in this theme also explore new directions in the theory and practice of democracy, including the role of interest groups, social movements, and protest movements such as Occupy, Black Lives Matter, and Extinction Rebellion. Their research incorporates both conventional and radical theories of state authority and rights. Our researchers shape the study of anarchist theory and history through their leadership in national and international research networks like BISA, the PSA, and the Anarchist Studies Network. Our Populism Research Group has an international reputation for excellence and methodological innovation in the theory and practice of social movements.

Security Studies

The Centre for Security Studies, established in 2015, brings together colleagues from across the University to investigate human security challenges such as human trafficking and modern slavery; how states remain resilient in a context of political, military and economic change; how communities recover after war, mass killing and terrorist atrocities; and how states and citizens manage the transition from war to peace. Researchers advise governments on defence, Covid-19 and migration security, shaping policy debates on the national and international stage.

Diplomacy and Global Politics

Diplomacy and Global Politics extends our European Studies expertise into emerging areas of intellectual and public concern. It encompasses new work into regional politics, including the theory and practice of future EU/UK relations, the economic impacts of Brexit and, with colleagues in Geography, the practical implications of migration. Recent expansion has enabled additional focus on post-colonial politics and area specialisms, with researchers now working on the politics and history of Afghanistan, China, Colombia, France, Greece, India, Japan, Russia and the post-Soviet space, Spain, Sri Lanka, Turkey and the US.

Taught programmes

Security

MA

Full-time length: 1 year

Part-time length: 2 years

Entry requirements: A 2:1 honours degree or equivalent international qualification in international relations, politics, history, sociology, criminology or a related subject.

Fees: UK: £10,100 International: £20,800

Programme overview

This degree takes students through a rich variety of different case studies of security threats and responses, including: nuclear weapons, terrorism, migration, climate change, hybrid threats and civil wars. Analysis is underpinned by thought-provoking engagement with cutting edge theories in both traditional and critical security studies, war studies, peace studies and related scholarship. Assessment is deliberately policy-relevant.

Students also take part in various activities organised by the Centre for Security Studies.

Modules

Modules studied may include: Security in Global Politics; Intelligence Studies; Security in the Developing World; Governing Crises; Ethical Dilemmas and Security in the 21st Century; Urban Warfare; Research Design and Practice; and Dissertation in Security Studies.

How you will be assessed

You will be assessed by a mix of oral and written policy briefs, essays and a dissertation.

How you will study

You will study through a range of seminars, lectures, independent study and workshops.

Career prospects

This degree is particularly suitable for those interested in diplomacy, journalism, civil service, policy-making, campaigning, and research. Our graduates have gone on to work for a variety of employers including research institutes, the security industry and public institutions.

Thomas

PhD student

“There are many support channels available across the university. This is also backed strongly by the Doctoral College and Careers Network who support your development beyond your research, via training and events.”



Our programmes

Research opportunities PhD	p126
Advanced Materials Science and Engineering MSc	p127
Polymer Science and Engineering MSc	p127

Our Materials courses are accredited by:



Materials

The Department of Materials has contributed towards the success of Loughborough University's teaching and research excellence for over half a century.

Materials knowledge and skills are in demand across many industry sectors, and therefore offer a wide range of prospects for graduates. Industry relevance is a priority to us and therefore much of our research work and master's degree projects are supported by scientists and engineers from industry contributing to our modules.

Research with impact

Our department has led advancements in the field through teaching, research and enterprise activities across seven key areas: energy materials, nano materials, biomaterials, processing, surface engineering, materials modelling, and sustainability. We interact with both industrial and academic researchers around the world.

These areas also provide the focus for the research and development of new and improved materials and processing techniques which are helping to make a real difference in the world around us and to the way we live. This includes the study of: nuclear and energy storage materials; materials performance under extreme conditions; healthcare materials, advanced polymers; and nano particle processing to name a few.

World-class facilities

Our postgraduate students have access to our outstanding teaching and learning facilities, which have benefited from a £25 million investment. Facilities include a refurbished and extended polymer processing and pilot plant area and the Loughborough Materials Characterisation Centre (LMCC), one of the best suites of instruments of its kind in Europe. Students also benefit from the £17 million state-of-the-art STEMLab, offering advanced and up-to-date laboratories for students across a range of disciplines.

Accreditation

Teaching and research are shaped by industry and partner feedback, which ensures that our graduates are well prepared for the ever-changing global jobs market. In line with the Institute of Materials, Minerals and Mining (IOM3)'s review process, our programmes are undergoing reaccreditation to ensure they continue to offer professional registration opportunities.

Equality and diversity in STEM

We are committed to creating a diverse and inclusive working, learning, social and living environment that enables students to achieve their potential and which celebrates and encourages diversity. Our aim is to maximise opportunities for all.

 lboro.ac.uk/pg/materials

2ND 2ND IN THE UK
FOR MATERIALS
(AND MINERAL)
THE GUARDIAN
UNIVERSITY GUIDE 2021

**TOP
10** TOP 10 IN THE UK FOR
MATERIALS TECHNOLOGY
THE COMPLETE
UNIVERSITY GUIDE 2022

 OVER £3M IN
ANNUAL RESEARCH
FUNDING

Research opportunities

PhD: 3 years full-time; 6 years part-time

Entry requirements: A 2:1 honours degree or equivalent international qualification in a relevant subject.

Fees: UK: see website International: £25,100

Our research activity focuses on today's global challenges, including sustainability, nanomaterials, composites, and processing. We adopt a highly multidisciplinary approach to our research and interact with both industrial and academic researchers around the world.

Benefiting from the expertise and considerable experience of our staff, our thriving community of postgraduate research students are provided with an intellectually challenging and rewarding experience. As a PhD student, you will have the opportunity to not only become an independent researcher, but also to create a lasting network of peers. You will be assigned a supervisory team who, together with the Director of Doctoral Programmes, will provide strong academic and pastoral support. Training and departmental seminars will help you to develop your skills and you will be expected to present your own research papers. You will be provided with your own desk and computer in a shared departmental office with access to library, IT and state-of-the art laboratory facilities.

Our research is supported by a range of first-class facilities, which have been designed to help you throughout your studies and fully equip you for your future endeavours. You will have access to state-of-the-art equipment for use in materials synthesis, processing and characterisation; the most notable of these is the Loughborough Materials Characterisation Centre (LMCC), which has a wide range of analytical techniques, including electron microscopy and surface analysis, some of which have capabilities that are unique in the UK. Industry relevance is also a priority and many of our research projects are industry sponsored, with scientists and engineers from industry contributing to our output.

The breadth of our work is captured in our research areas, which are delivered by an exceptional team of around 80 academics, researchers and PhD students. We have a strong track record of collaborations with industry with all parties benefiting from access to our state-of-the-art facilities.

Our areas of research

Our research focuses on how we can manipulate materials to solve everyday problems and to ensure the safety and reliability of the materials around us. As such, we maintain an interest in the following research topics:

Processing

The aim of processing is to develop the structural features of a material needed for the finished product to perform well in its intended application. Research in this area studies and develops techniques to convert a material from its raw state to a finished article, and looks at altering and optimising materials on a microscopic level.

Our research therefore covers a wide range of topics. For example, we have investigated the behaviour of tin and zinc whiskers – tiny microscopic filaments which grow spontaneously and can cause electric components to short circuit and, in many cases, fail completely. These whiskers cause a significant threat to the reliability of mobile devices, medical equipment, defence and security hardware, and even satellites. Through our research we identified the correct chemical formats and physical properties that reduce the emergence of the whiskers to create a protective coating.

Advanced Materials

High-value products often require parts which are challenging to manufacture, due to their scale, complexity or precision; or which must be manufactured from high-performance materials capable of dealing with harsh or challenging operating environments. Through our research, we investigate materials to support the most challenging of applications, from high-performance ceramics, to advanced surface modification processes.

Among the materials we are working with are composites and nanocomposites, polymers and adhesives, steels and alloys, metallic glasses and biomaterials. Our investigation into modern materials allows us to predict their properties, performance, reliability and structural integrity, as well as the components and structures made from them, making them safer, more reliable and cost-effective for everyday use.

For example, we are currently researching ceramics for bio-medical use, and the microstructural change of steel when subjected to high temperatures, but our research also involves understanding the damage of materials to make them safer for everyone.

Soft Matter

Research here deals with a vast array of macromolecules, from their synthesis to their interactions at a microscopic level. It involves squishy materials such as polymers, liquid crystals, foams, gels, and colloids. We use techniques such as optical manipulation, and light, X-ray and neutron scattering to understand how the macroscopic physical properties of these soft materials work and how they can be applied to everyday life. An ongoing research area is to develop polymer composite wind turbine blades which are 'stealthy', so not detected by radar, which makes air traffic over these structures safer.

Taught programmes

Advanced Materials Science and Engineering

MSc

Full-time length: 1 year

Part-time length: 2-5 years

Entry requirements: A 2:2 honours degree or equivalent international qualification in a science or engineering subject.

Fees: UK: £11,900 International: £26,500

Programme overview

Our Advanced Materials Science and Engineering MSc is designed to meet the requirements of industry, where qualified materials scientists and engineers are highly sought after. It will provide you with the expertise needed to design innovative sustainable materials for today's world.

This programme encompasses all aspects of materials: their selection, manufacture, testing, use and applications, as well as environmental impact both during production and at the end of life. You'll be equipped with a core knowledge of materials science and engineering that can be applied to a range of materials-based careers, giving you flexibility within the jobs market.

Modules

Core study areas may include: Advanced Processing of Materials; Clean Energy Materials and Sustainability; Advanced Materials Characterisation; Materials Modelling; Research Methods; Group Design Project and the MSc dissertation project. Optional study areas may include: Nanomaterials and Composites; Advances in Biomaterials; Advanced Joining Methods and Colloid Science and Engineering.

How you will be assessed

You will be assessed by a combination of coursework, exams, group work, laboratory reports, presentations and a substantial project.

How you will study

You will study through a range of group work, independent study, lectures, practical sessions and workshops, seminars and supervisions.

Career prospects

Typical careers of our graduates span many roles, including Design Engineer, Technology Consultant, Research and Development Project Manager and Materials Engineer. Employers include industry giants such as Airbus, BAE Systems, Cadent Gas, E.ON, Pirelli, and Sky.

Many of our students continue their studies with us, joining our thriving community of PhD researchers engaged in materials projects of real-world significance.

Polymer Science and Engineering

MSc

Full-time length: 1 year

Part-time length: 2-5 years

Entry requirements: A 2:2 honours degree or equivalent international qualification in a science or engineering subject.

Fees: UK: £11,900 International: £26,500

Programme overview

Our Polymer Science and Engineering MSc programme has gained an international reputation as one of the most comprehensive and in-depth programmes specialising in this area. Taught by a team of international experts, this programme will give you a rich understanding of the structures, processing, properties, characterisation and applications of polymers.

This multidisciplinary programme covers the latest engineering of polymer materials, including aspects of nanotechnology and biomaterials.

Helping you reach the cutting edge of polymer research, this course is supported by state-of-the-art equipment, including those within our unique polymer processing plant and polymer synthesis laboratory, our world-leading Loughborough Materials Characterisation Centre (LMCC) and £17 million STEMLab facility.

Modules

Core study areas may include: Polymer Science; Advanced Processing of Polymers; Advanced Materials Characterisation; Research Methods; Group Design Project, Colloid Science and Engineering, and the MSc dissertation project. Optional study areas may include: Advances in Biomaterials; Nanomaterials and Composites; Clean Energy Materials and Sustainability; Materials Modelling.

How you will be assessed

You will be assessed by a combination of coursework, dissertation, exams, group work, laboratory reports, presentations and a group project.

How you will study

You will study through a range of group work, independent study, lectures, practical sessions and workshops, seminars and supervisions.

Career prospects

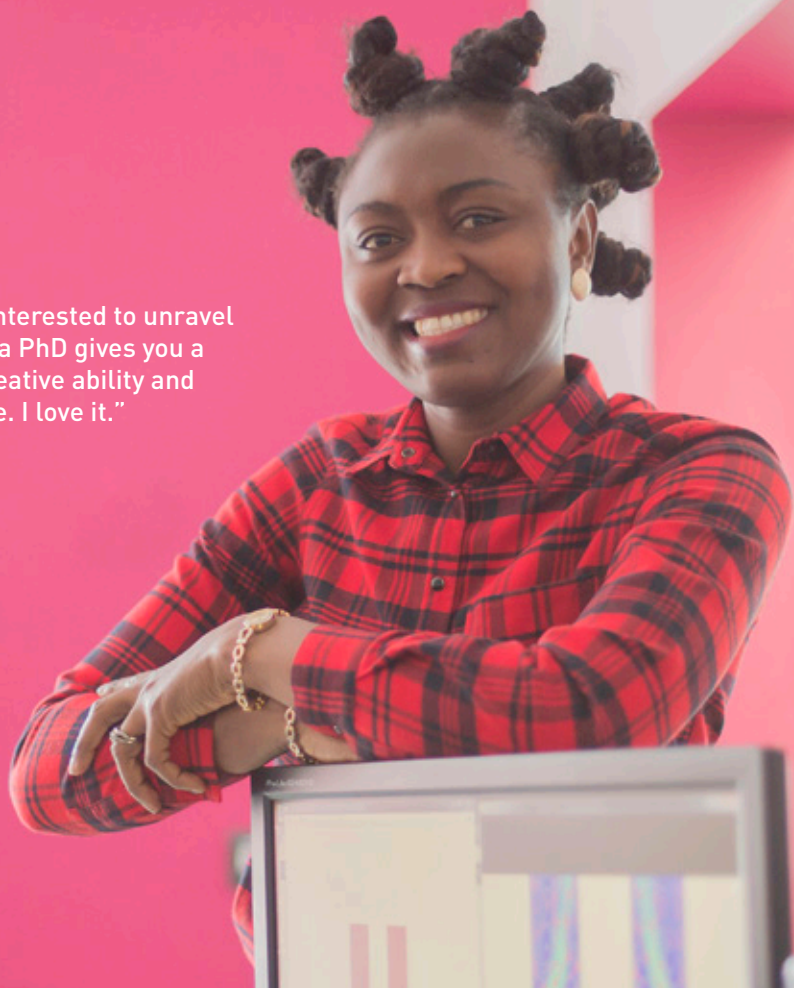
Plastics and polymers is a huge global industry and our graduates are highly sought after. Many go on to work within roles such as process and technology engineering, packaging, recycling and sustainability development, research, technical support and sales across a diverse range of companies, such as BEWG Environmental Group, Morgan Advanced Materials and Intel Corp, Nestlé, P&G, REC Solar Energy and Unilever.

Many of our students continue their studies with us, joining our thriving community of PhD researchers engaged in materials projects of real-world significance.

Juliet

PhD student

“I am really interested to unravel new things – a PhD gives you a consistent creative ability and independence. I love it.”



Our programmes

Research opportunities PhD	p130
Industrial Mathematical Modelling MSc	p131
Mathematical Finance MSc	p131

Mathematical Sciences

Loughborough's Department of Mathematical Sciences is committed to driving forward innovation across the teaching and research of both pure and applied mathematics.



13TH IN THE UK
FOR MATHEMATICS
THE GUARDIAN
UNIVERSITY GUIDE 2021

The Department attracts staff and students from all over the world, making it a diverse and stimulating environment in which to study.

Our taught postgraduate programmes aim to cater for students who do not necessarily have a first degree in single honours mathematics, giving a strong grounding in areas that are relevant to employment in a large number of sectors.

The programmes reflect our strengths as a department and can offer established collaborative training ventures with industrial partners.

The Department of Mathematical Sciences is part of the London Mathematical Society's Good Practice Scheme, which supports mathematics departments interested in embedding equal opportunities for women within their working practices.

Excellent employment prospects

Graduates of our MSc programmes go on to work in diverse roles within a wide variety of organisations, including BAE Systems, Citigroup, Experian, GE Aviation, Mercedes Benz, Nuclear Labs USA, and PwC.

Our research

Active in high-quality research across the broad spectrum of mathematics, we have an international reputation, with four-fifths of research rated internationally leading (or better) in the Research Excellence Framework (REF) 2014. Our research themes include dynamical systems, geometry and mathematical physics, analysis and PDEs, linear and nonlinear waves, mathematical modelling and statistics.

Equality and diversity in STEM

The School of Science is committed to creating a diverse and inclusive working, learning, social and living environment that enables students to achieve their potential and which celebrates and encourages diversity. Our aim is to maximise opportunities for all.

Research opportunities

PhD: 3 years full-time; 6 years part-time

Entry requirements: An honours degree (high 2:1 or above) or equivalent international qualification in mathematics.

Fees: UK: see website International: £19,200

Loughborough's Department of Mathematical Sciences is committed to driving forward innovation across the teaching and research of both pure and applied mathematics. The Department attracts staff and students from all over the world, making it a diverse and stimulating environment in which to study.

Active in high-quality research across the broad spectrum of mathematics, the Department has an excellent international reputation. Research themes within the Department include analysis, dynamical systems, geometry and mathematical physics, linear and nonlinear waves, mathematical modelling, and statistics.

As a PhD student in the Department of Mathematical Sciences you will be part of a vibrant community of researchers from around the world. The Department hosts regular seminar series and colloquia, as well as international conferences and workshops. As part of the School of Science, staff and PhD students contribute to our interdisciplinary research centres:

- Centre for Geometry and Applications
- Centre for Imaging Science
- Interdisciplinary Centre for Mathematical Modelling

Our areas of research

Analysis and PDEs

The research interests of the group include analysis of PDEs, including hyperbolic equations and systems with multiplicities, microlocal, spectral and harmonic analysis, eigenvalue estimates for Dirac and Schrödinger type operators, inverse spectral transform method for integrable PDEs, applications to approximation theory, as well as other topics.

Dynamical Systems

This group studies a wide range of aspects of dynamical systems theory, such as Hamiltonian and dissipative dynamics, dynamical chaos in classical and quantum systems, dynamics of multi-scale systems, ergodic theory, random matrix theory, and bifurcation theory.

Geometry and Mathematical Physics

The research of the group covers a broad range of topics in geometry and related areas of mathematical physics, including the theory of both classical and quantum integrable systems. Another research focus is algebraic geometry, in particular, birational geometry and mirror symmetry.

Linear and Nonlinear Waves

The group's interests are in wave motion in a variety of physical situations including geophysical fluid dynamics, water waves, solid mechanics, electromagnetism and acoustics. The group develop and apply exact, numerical, asymptotic and perturbation techniques to pursue research on linear and nonlinear waves with a focus on solitary waves and soliton theory, stochastic wave systems, wave generation, and diffraction and scattering by obstacles.

Mathematical Modelling

Members of the group apply a variety of techniques from applied mathematics to diverse problems in medicine, biology, fluid dynamics, materials and soft matter science. The biological systems studied range from intracellular processes to those at the scale of organisms and populations. The fluid flows studied range from environmental buoyancy-driven flows to technologically important micro- and nano-fluidic flows.

Statistics

The Statistics group is involved in methodological research in contemporary issues in mathematical and computational statistics, as well as in making diverse applications to the natural, biological and social sciences, such as engineering, medical imaging, materials science, ecology, testing theory, biostatistics, etc.

Taught programmes

Industrial Mathematical Modelling

MSc

Full-time length: 1 year

Part-time length: Not available

Entry requirements: A 2:1 honours degree or equivalent international qualification in mathematics or an engineering or science subject with a high mathematical content.

Fees: UK: £11,900 International: £26,500

Programme overview

Our Industrial Mathematical Modelling MSc is designed to help you develop the mathematical modelling skills and techniques which are sought after within industry and commerce.

The programme enables you to explore mathematical models of real world processes and their formulation, with a strong emphasis on how these techniques can be applied in industry. You will work in small groups to solve real life problems using these models.

You will also develop skills to solve partial differential equations and learn the basic principles behind the finite element method, which is heavily used in industry for solving continuum mechanics problems.

Modules

Modules may include: Mathematical Modelling; Mathematical Methods for Interdisciplinary Sciences; Computational Methods in Finance; Programming and Numerical Methods; Elements of Partial Differential Equations; Static and Dynamic Optimisation; Functional Analysis; Spectral Theory; and Fluid Mechanics.

A highlight of this industry-focused programme is your summer project, which is often carried out in a local company.

How you will be assessed

You will be assessed by a combination of exams, reports, individual and group projects, and presentations. You will spend approximately 14 weeks over the summer working on an individual project, either in an industrial or engineering company, or at the University.

How you will study

You will study through a range of lectures, seminars, tutorials, group work and individual study.

Career prospects

Recent graduates have progressed to roles such as modellers, software engineers, data scientists and lecturers in higher education. Some graduates have gone on to study at PhD level.

Mathematical Finance

MSc

Full-time length: 1 year

Part-time length: Up to 4 years

Entry requirements: A 2:1 honours degree or equivalent international qualification in a subject with a high mathematical content.

Fees: UK: £11,900 International: £26,500

Programme overview

Our Mathematical Finance MSc will give you the skills needed to succeed within finance or to pursue a research career in financial mathematics and other relevant areas. It will provide you with the strong mathematical skills, computational techniques and finance background necessary to work in the finance sector but may also open up careers in investment banking, hedge funds, insurance companies and the finance departments of large corporations.

You will undertake core modules in stochastic analysis and measure theory, while also choosing optional modules covering wide-ranging topics of interest, including corporate finance, functional analysis and asset management.

You will benefit from our computing laboratory, with a dedicated IT team to help you with any computing queries, and our £4 million refurbished department building, which has a spacious student activity area and dedicated state-of-the-art resources.

Modules

Modules may include: Measure Theory, Stochastic Models in Finance, Functional Analysis, Lie Groups and Lie Algebras, Programming and Numerical Methods, Advanced Differential Geometry, Financial Economics, Computational Methods in Finance, Stochastic Calculus and Theory of Pricing, Spectral Theory, Elements of PDEs, Static and Dynamic Optimisation, Corporate Finance.

You will spend 14 weeks at the end of the programme devoted to an individual project. Some projects are supervised in collaboration with financial companies and partners.

How you will be assessed

You will be assessed by a combination of exams, coursework and group work.

How you will study

You will study through a range of lectures, tutorials, seminars, group work and individual study.

Career prospects

Recent graduate destinations include: Business Analyst (Deloitte), Finance Analyst (HSBC), Data Analyst (JPSS), Risk Analyst (JPSS).

Theresa
PhD student

“Loughborough’s facilities and equipment are the gold standard!”



Our programmes

Research opportunities PhD	p134
Mathematics with Qualified Teacher Status (QTS) PGCE/MSc with QTS	p135

Mathematics Education Centre

The Mathematics Education Centre is one of the largest mathematics education research groups in the UK – with an international reputation for the research into and practice of the learning and teaching of mathematics and statistics.

Our research explores the fundamental process involved in learning mathematics, as well as the design and evaluation of innovative pedagogy. Our staff enjoy collaborations and connections with other specialists across the country and run monthly research workshops, attracting academics and researchers across the region.

In the latest Research Excellence Framework (REF), 85% of the Centre’s research activity was judged to be ‘world-leading’ or ‘internationally excellent’, putting its research quality amongst the highest of all education departments in the UK.

Academics from the Mathematics Education Centre have won national and international awards for their research and research-informed teaching practices.

Our facilities are set within the refurbished Schofield and Wavy Top Buildings at the heart of campus and include the Schofield Cognition Lab, a child-friendly laboratory for conducting experimental or observational studies with young children, and several eye-movement labs equipped with state-of-the-art equipment.

In 2019 the Mathematics Education Centre was awarded £6.6 million by Research England to create a new Centre for Mathematical Cognition; as a result Loughborough now hosts one of the largest groups of mathematical cognition researchers in the world, following this expansion.

We are a diverse community of around 30 staff, comprising academic staff, project staff, and visiting fellows, and have a vibrant group of postgraduate research students.

Equality and diversity in STEM

The School of Science is committed to creating a diverse and inclusive working, learning, social and living environment that enables students to achieve their potential and which celebrates and encourages diversity. Our aim is to maximise opportunity for all.



85% OF RESEARCH RATED
‘INTERNATIONALLY
EXCELLENT’ OR HIGHER
REF 2014



MATHEMATICS WITH
QUALIFIED TEACHER
STATUS RATED
‘OUTSTANDING’ BY OFSTED



TIMES HIGHER EDUCATION
OUTSTANDING RESEARCH
SUPERVISOR OF THE YEAR
AWARD 2017

Research opportunities

PhD: 3 years full-time; 6 years part-time

Entry requirements: A 2:1 honours degree or equivalent international qualification in mathematics, education, psychology or a related discipline. It would be an advantage in some cases to have an MA/MSc in mathematics education, educational/psychological research methods or in a related discipline.

Fees: UK: see website International: £19,200

How to apply

Projects which have funding attached (eg through research councils, university funding or industry sponsorship) are advertised on our online prospectus.

All applicants must submit the following to accompany their application:

- a one-page CV summarising relevant experience and skills
- a one-page cover letter describing their reasons for wishing to undertake research in their chosen area and the personal qualities they will bring
- a two-page essay on one or more issues affecting teaching/learning in mathematics and related to your proposed area of research. This should be a specially constructed piece of writing, making reference to relevant academic literature.

For self-funded projects or those funded by third-party sponsors, in addition to the above requirements, please indicate on your application the area in which you would like to study and the person with whom you would like to work, if appropriate. You are strongly encouraged to contact this person ahead of making an application to discuss your interests and possible research topics.

Our areas of research

Mathematical Cognition

Mathematical cognition research focuses on understanding the processes by which students come to understand mathematical ideas, with a view to improving educational practice. Our researchers who are active in this area have a particular reputation for their work on numerical cognition and mathematical reasoning. In 2019 funding from Research England allowed us to establish a new Centre for Mathematical Cognition, with dedicated staff, refurbished labs and new research equipment. As a result Loughborough now hosts one of the largest mathematical cognition research groups in the world.

Notable recent projects in this area have studied the different roles of executive functions in procedural and conceptual aspects of mathematics across childhood and adolescence (funded by the ESRC and Royal Society), the role of children's spontaneous attention to numerical aspects of the environment in their school mathematics achievement (ESRC) and expert/novice differences in mathematical reading strategies (HEA, OUP and ESRC).

Educational Design and Evaluation

Our research on educational design and evaluation aims to design, develop and evaluate pedagogical interventions, based on a rigorous understanding of students' learning processes. We research how mathematics tasks, lessons and curricula may be designed and implemented in classrooms in schools and colleges to support students' learning of mathematics. We also contribute to debates across education about the ways in which evidence can and should inform practice.

Notable recent projects in this area have included a systematic evaluation of how much new information is provided by rigorous large-scale randomised controlled trials, of the type commissioned by the EEF and NCEE.

Higher Education Pedagogy

Loughborough has a long history of researching mathematics education at the university level. Colleagues who work in this area have expertise in a broad range of areas related to the analysis of teaching and learning of university mathematics, including different approaches to assessment, the measurement of conceptual understanding, mathematical reasoning development and expert mathematical practice.

Notable recent projects in this area have investigated the extent to which post-compulsory mathematical study develops general reasoning skills (funded by the Royal Society), and student difficulties at the transition to higher education (funded by HEFCE).

Doctoral Training Partnership (DTP)

The Mathematics Education Centre is proud to be part of the ESRC Midlands Graduate School DTP in partnership with Warwick, Nottingham, Birmingham, Aston and Leicester.

Taught programmes

Mathematics with Qualified Teacher Status (QTS)

PGCE/MSc with QTS

PGCE: 1 year full-time

MSc with QTS: 1 year full-time PGCE plus additional part-time modules

Entry requirements: A UK honours degree or equivalent international qualification, which has at least 50% mathematics. Degrees with less mathematics content may be considered. Please see website for full details.

Fees: PGCE: UK: £9,250 MSc with QTS: UK: £10,100

Programme overview

Our Mathematics with Qualified Teacher Status programme prepares future teachers to engage and motivate secondary school students to be mathematical thinkers, not just learners. The programme is practically based, with 24 weeks spent in our partner schools. University weeks have half a day on General Professional Studies and two full days on Mathematics Education. Work is set to be done on the remaining days of the week, which will feed in to the Mathematics Education sessions.

In accordance with current government requirements, all applicants must be interviewed to assess their potential for teaching before a place can be offered. Recent experience of working with young people would be valuable, as would having had at least three full days' experience in a state secondary school, although these are not requirements.

Our PGCE has been judged in 2018 as 'outstanding' for the fourth time in a row and has excellent reports from external examiners.

Two additional modules can be taken after successful completion of the PGCE to progress and gain a full master's degree.

Modules

For module information please see our website.

How you will be assessed

You will be assessed through a variety of methods, including in-school teaching, written assignments and a group presentation.

How you will study

You will study through a range of lectures, seminars, practical sessions and group work.

Career prospects

Our Mathematics with Qualified Teacher Status programme is ideal preparation for a career teaching mathematics. It is designed to develop the thinking behind your teaching, as well as the skills involved with being an excellent teacher of mathematics.

Baptiste

MSc Renewable Energy Systems Technology

"I chose Loughborough due to the specialist modules, amazing facilities and prestigious engineering reputation. The programme provided me with the knowledge and skills to further my career in renewables and pushed me to achieve my best."



Our programmes

Research opportunities PhD	p138
Advanced Manufacturing Engineering and Management MSc	p139
Electronic and Electrical Engineering MSc	p139
Engineering Design MSc	p140
Mechanical Engineering MSc	p140
Renewable Energy Systems Technology (Full-time) MSc	p141
Renewable Energy Systems Technology (Distance Learning) MSc	p141
Systems Engineering MSc	p142
Telecommunications Engineering MSc	p142

Mechanical, Electrical and Manufacturing Engineering

Our reputation for pioneering and topical research is built on a rich and successful history, with programmes dating back to 1909. By choosing Loughborough as your study destination you can draw upon the wealth of experience and expertise acquired throughout the School's 100 years of excellence.

Research with impact

As one of the largest engineering schools in the UK, we lead in technological research and innovation, with extensive national and international connections to industry. The breadth of our research activity is captured in our seven themes, which are served with research activities from our research groups and a number of leading-edge research centres and institutes hosted by the School. We continuously feed this research into our teaching and programmes, providing you with an unrivalled educational experience.

World-class facilities

We recently invested over £70 million into developing the west side of campus, where the School is based. In particular we have improved our 15,750m² of high-tech teaching space, laboratories and workshops. They cater for various research areas including additive manufacturing, automation, dynamics and control, electrical power generation, engineering design, engineering management, fluid mechanics, healthcare engineering, intelligent transport, internal combustion engines, manufacturing, materials, mechatronics, metrology, optical engineering, product design, radio communications, renewable energy and energy storage, robotics, sports technology, structural integrity, systems and thermodynamics.

Accreditation

Teaching and research are shaped by industry and partner feedback, which ensures our graduates are well prepared for a successful career in engineering and research. Our courses have been accredited for several years, some as far back as 2003. Each course is accredited by at least one of the following institutions: the Institution of Engineering and Technology (IET), Institution of Mechanical Engineers (IMechE) and Institution of Engineering Designers (IED).

Equality and diversity in STEM

Recipients of the Athena Swan Bronze award, we are committed to creating a diverse and inclusive working, learning, social and living environment that enables students to achieve their potential and which celebrates and encourages diversity. Our aim is to maximise opportunities for all.



5TH IN THE UK
FOR MECHANICAL
ENGINEERING
*THE GUARDIAN
UNIVERSITY GUIDE 2021*



TOP
10
IN THE UK
FOR MANUFACTURING
AND PRODUCTION
ENGINEERING
*THE COMPLETE
UNIVERSITY GUIDE 2022*



TOP
15
IN THE UK
FOR ELECTRONIC AND
ELECTRICAL ENGINEERING
*THE GUARDIAN
UNIVERSITY GUIDE 2021*



1ST IN THE WORLD
FOR SPORTS-RELATED
SUBJECTS
*QS WORLD
RANKINGS 2021*



ATHENA SWAN
BRONZE
AWARD

Research opportunities

PhD: 3 years full-time; 6 years part-time

Entry requirements: A 2:1 honours degree or equivalent international qualification in a relevant discipline. A relevant master's degree or industry experience is advantageous and for some research projects, may be mandatory.

Fees: UK: see website International: £25,100

Loughborough is a top 10 rated university in England for research intensity recognised in the latest Research Excellence Framework (REF 2014). An outstanding 77% of the work of our School's academic staff was judged as 'world-leading' or 'internationally excellent' compared to a national average figure of 43%. Our major research centres include the Centre for Renewable Energy Systems Technology (CREST), the Centre for Intelligent Automation, the Centre for Biological Engineering (CBE) and the Sports Technology Institute (STI). Additionally, we host two of the Engineering Physical Sciences Research Council (EPSRC) Centres for Doctoral Training in Embedded Intelligence and Regenerative Medicine.

Home to over 250 academic and research staff and more than 160 postgraduate research students, the School offers new doctoral researchers the opportunity to join a vibrant international community that works together to provide world-leading engineering solutions to today's global challenges. With £45 million of live research activities funded by EPSRC and other UK and EU research councils, and with the current support of 78 industrial partners, the School provides leadership in impactful research and innovation and an exceptional educational experience.

Our areas of research

Communications

Advancing electronic communications through our world-leading research in devices and signal processing algorithms, we are progressing the future of wireless networks including 5G and beyond, the Internet of Things and autonomous vehicles. We have unique expertise in antennas, metamaterials, artificial intelligence, environmental sensors, signal processing and network security.

Control and Automation

Our research addresses complex and seemingly intractable challenges across the automotive, aerospace, healthcare, robotics, manufacturing and rail transport sectors, progressing digital engineering

and the advanced concepts of Industry 4.0. We harness state-of-the-art machine learning, automation, advanced control systems, human-machine interaction, modelling-simulation, robotics and virtual/augmented reality techniques to meet demanding, application driven needs. Our research is informed by our close working relationships with industry, ensuring it is relevant, timely and designed to deliver impact for our collaborators.

Dynamics and Thermofluids

We are an internationally recognised group in dynamics, tribology, thermodynamics, combustion, heat transfer and fluid mechanics. Our research focuses on the fundamentals and application of advanced computational modelling and optical diagnostic methods relevant to the automotive, engine, powertrain, power, environmental and medical sectors. We play a lead role in shaping future transport strategy and have developed partnerships with global companies.

Energy, Power and Renewables

For over 25 years CREST has overseen the development of the most progressive renewable energy technologies and has the UK's only accredited PV test laboratory. Our research covers wind power, solar photovoltaics, energy in buildings, grid connection and integration and energy storage, including hydrogen.

High Value Manufacturing

Our research addresses challenges in product design and manufacture across multiple sectors including the safe production of regenerative medicine and cell technologies through the CBE, multifunctional materials and surfaces for electronics manufacturing, novel additive manufacturing technologies and 'Net Positive Manufacturing'.

Materials and Measurement

Recognised for our work in the mechanical response of advanced engineering materials, we use analytical, numerical and experimental techniques, including high-power laser processing to modify the surface and bulk properties of materials and novel interferometric techniques for the precision measurement of components and infrastructure.

Systems and Sports Technology

Our systems research focuses on improving engineering and technology organisations through the research and development of operations management. This includes developing and implementing elements of production as well as their competitive strategies.

The STI applies engineering design principles to the creation of sports equipment and innovative training and coaching technologies. We have an international reputation for our work with multiple global brands on the design, simulation, testing and manufacture of sporting goods.

Taught programmes

Advanced Manufacturing Engineering and Management

MSc

Full-time length: 1 year

Part-time length: 2-6 years (typically 3 years)

Entry requirements: A 2:1 honours degree or equivalent international qualification in a relevant science, technology, engineering or maths discipline. Applicants with qualifications slightly below and/or professional experience will be considered.

Fees: UK: £11,900 International: £26,500

Programme overview

Our Advanced Manufacturing Engineering and Management MSc is accredited by the IED, IET and IMechE. It delivers a unique balance between manufacturing processes and management to prepare you for a successful career as a technologist or manager. The skills acquired will enhance your ability to meet the engineering, business and societal challenges of the rapidly changing global manufacturing markets.

The programme is informed by our world-leading manufacturing research, which is driven by close collaborations with industry. Graduates benefit from our industry informed modules and develop skills that enable them to deliver high-quality research with industrial impact.

Modules

Modules studied may include: Innovation Process and Entrepreneurship in Engineering; Engineering for Sustainable Development; Manufacturing Processes and Automation; Introduction to Additive Manufacturing; Biological Manufacturing; Modelling Manufacturing Systems and Processes; Engineering Management and Business Studies; Lean and Agile Manufacture; and a major project.

How you will be assessed

You will be assessed by a combination of coursework, exams, presentations and a substantial project.

How you will study

You will study through a range of group work, independent study, lectures, practical sessions and workshops, seminars, tutorials and laboratory work. You will have access to high-tech laboratories, world-leading researchers, computer labs and some of the latest industry standard software.

Career prospects

Our graduates have gone on to work at companies including Caterpillar, Jaguar Land Rover, Johnson and Johnson, Atkins and Siemens to name a few.

Electronic and Electrical Engineering

MSc

Full-time length: 1 year

Part-time length: Not available

Entry requirements: A 2:1 honours degree or equivalent international qualification in a relevant science, technology, engineering or maths discipline. Applicants with qualifications slightly below and/or professional experience will also be considered.

Fees: UK: £11,900 International: £26,500

Programme overview

Our IET accredited Electronic and Electrical Engineering MSc has been developed in consultation with industry advisors and provides a thorough knowledge of the principles and techniques of this field, whilst having a strong emphasis on practical applications.

You will develop research skills through your individual research project, which is supported by our world-leading academics. You will acquire practical and theoretical skills that are valued in industry.

You will be taught using industry standard packages such as Applied Wave Research's Microwave Office, CST Microwave Studio and EMPIRE XPU, as well as, Altera, Cadence, Mentor Graphics and Xilinx; commercial programming tools; antenna anechoic chambers and microwave test equipment; VI visualisation systems; and state-of-the-art sports technology laboratories.

Modules

Modules studied may include: Mechatronic System Design; Programming Multi/Many-Core Systems; Design and Control of Power Electronics and Electric Machines; Elements of Pulsed Power Technology; Digital Signal Processing; Communication Networks; Solar Power; Wind Power; Digital Signal Processing for Software Defined Radio; Mobile Network Technologies; Antennas; Engineering Applications; Radio Frequency and Microwave Integrated Circuit Design; and an individual research project.

How you will be assessed

You will be assessed by a combination of coursework, exams, laboratory reports and practical exams and a substantial project.

How you will study

You will study through a range of group work, independent study, lectures, practical sessions and workshops, seminars and tutorials.

Career prospects

Graduates are highly qualified to work in a range of electrical engineering roles for companies such as Ericsson and Huawei, to name a few.

Engineering Design

MSc

Full-time length: 1 year

Part-time length: 2-6 years (typically 3 years)

Entry requirements: A 2:1 honours degree or equivalent international qualification in a relevant science, technology, engineering or maths discipline. Applicants with qualifications slightly below and/or professional experience will be considered.

Fees: UK: £11,900 International: £26,500

Programme overview

Our IED, IET and IMechE accredited Engineering Design MSc is a unique course that combines the aesthetics and form of industrial design with the engineering content of functionality, structural integrity and reliability. Our programme enables you to work effectively and successfully in an engineering design role, whether it concerns the design of products, processes or systems.

The programme is designed to meet the challenges of the rapidly changing global market – the availability of well-designed products, processes and systems is the foundation of successful commercial enterprises. You will develop the technical and transferable skills highly sought after by industry and academic research.

Throughout the programme a balance of theory and practice is applied to the solutions of real engineering design problems. All projects meet the product design requirements of one of our many co-operating companies.

Modules

Modules studied may include: Innovation Process and Entrepreneurship in Engineering; Engineering for Sustainable Development; Computer Aided Engineering; Structural Analysis; Engineering Design Methods; Engineering Management and Business Studies; Sustainable Product Design; Product Design and Human Factors; and a major project.

How you will be assessed

You will be assessed by a combination of coursework, exams and a substantial project.

How you will study

You will study through a range of group work, independent study, lectures, practical sessions and workshops, seminars and tutorials.

Career prospects

Graduates are fully qualified to take on various roles and have gone on to be Design, Graduate and Project Engineers and Product Designers in various companies including Chargebox, Jaguar Land Rover, JCB and Network Rail to name a few.

Mechanical Engineering

MSc

Full-time length: 1 year

Part-time length: 2-6 years (typically 3 years)

Entry requirements: A 2:1 honours degree or equivalent international qualification in a relevant science, technology, engineering or maths discipline. Applicants with qualifications slightly below and/or professional experience will be considered.

Fees: UK: £11,900 International: £26,500

Programme overview

Our Mechanical Engineering MSc is accredited by the IED, IET and IMechE. It is designed to meet the challenges of the rapidly changing global market. The programme is aimed at graduates and engineering professionals wishing to develop advanced skills in engineering science, design and technology. It will broaden your mechanical engineering knowledge, introducing you to new applications and practices, enabling you to develop technical and transferable skills.

You will have access to our high-tech laboratories devoted to dynamics and control, electronics, fluid mechanics, materials, mechatronics, metrology, optical engineering and high-power lasers, and structural integrity.

Upon successful completion, you will be able to plan and monitor multi-disciplinary projects, appreciate the central role of design within engineering, demonstrate competence in using computer-based engineering techniques, analyse and understand complex engineering problems.

Modules

Modules studied may include: Innovation Process and Entrepreneurship in Engineering; Engineering for Sustainable Development; Computer Aided Engineering; Structural Analysis; Engineering Design Methods; Experimental Mechanics; Thermofluids; Simulation of Advanced Materials and Processes; and a major project.

How you will be assessed

You will be assessed through a combination of coursework, exams and substantial project.

How you will study

You will study through a range of group work, independent study, lectures, practical sessions and workshops, seminars and tutorials.

Career prospects

Our graduates have gone on to work for a variety of reputable companies including Airbus, BAE Systems, Caterpillar, Chicago Bridge and Iron and Jaguar Land Rover to name a few, in Mechanical, Structural and Development Engineer roles.

Renewable Energy Systems Technology (Full-time)

MSc

Full-time length: 1 year

Part-time length: Not available

Entry requirements: A 2:1 honours degree or equivalent international qualification in a relevant science, technology, engineering or maths discipline. Applicants with qualifications slightly below and/or professional experience will be considered.

Fees: UK: £11,900 International: £26,500

Programme overview

Our IET accredited MSc is designed to prepare you for a career in the rapidly expanding global renewable energy sector. It features practical, industry-focused content, underpinned by deep technical knowledge of different renewable energy technologies.

Delivered by academic staff from the internationally recognised research Centre for Renewable Energy Systems Technology and with input from guest industrial experts, ensures the MSc maintains relevance in this rapidly developing sector.

You will benefit from our sector-leading experimental and simulation laboratories for your project work and assignments, giving you a chance to work side-by-side with leading academics and researchers on industrially relevant problems.

Modules

Modules studied may include: Renewable Energy Technologies, Economics and Policy; Solar Power; Introduction to Wind Turbine Technology; Water Power; Bioenergy; Integration of Renewables; Energy Storage; Advanced Photovoltaics; Renewable Energy for Development; Data Analytics for Smart Energy Systems; Energy System Investment and Risk; and a project linked to the research or industrial interests of the research centre.

How you will be assessed

You will be assessed by a combination of coursework, exams and a substantial project.

How you will study

You will study through a range of group work, independent study, lectures, practical sessions and workshops, field trips and tutorials.

Career prospects

Our graduates work world-wide from community renewable energy cooperatives to global engineering firms including First Utility, Mott MacDonald, NPower and Siemens to name a few, in consultancy and engineering roles in all aspects of renewable energy.

Renewable Energy Systems Technology (Distance Learning)

MSc

Full-time length: Not available

Part-time length: 2-6 years (typically 3 years)

Entry requirements: A 2:1 honours degree or equivalent international qualification in a relevant science, technology, engineering or maths discipline. Applicants with qualifications slightly below and/or professional experience will be considered.

Fees: Please see website for details.

Programme overview

Based on our renowned full-time Renewable Energy Systems Technology MSc, this award-winning IET accredited distance learning programme offers flexibility in terms of place, pace and learning mode and prepares you for a career in the rapidly expanding global renewable energy sector.

Our Centre for Renewable Energy Systems Technology (CREST) is renowned for its pioneering online learning methods which have been designed to fit around your other commitments, whilst ensuring that you have the best possible learning experience. Our learning and teaching resources are available online at any time.

Modules

The modules available are identical to those on the full-time version of the MSc, but when completing the programme over many years you can expect some changes to be made to reflect evolving industry needs. The order in which you study the modules is largely flexible, although we have certain suggested study routes depending on your planned time commitment to the programme.

How you will be assessed

You will be assessed by a combination of coursework, exams (with the option to take remotely) and a substantial project.

How you will study

You will study through a range of live streamed and recorded lectures, tutorials, interactive computer-based simulations, remote-controlled hardware labs and virtual workshops.

Career prospects

The career prospects are similar to those for our full-time students, although many of our distance-learners are already in employment and are either upskilling for their current role, or mid-career and looking to change tack into a rapidly developing renewables and sustainability sector.

Systems Engineering

MSc

Full-time length: 1 year

Part-time length: 3 years

Level 7 Apprenticeship: available through participating companies.

Entry requirements: A 2:1 honours degree or equivalent international qualification in a relevant science, technology, engineering or maths discipline. Applicants with qualifications slightly below and/or professional experience will be considered.

Fees: UK: £11,900 International: £26,500

Programme overview

Systems Engineering is the transdisciplinary approach that integrates all disciplines to allow an innovation to be developed from a concept to a fully operational system. It considers business and technical needs to create a quality product that meets all requirements. Systems cope effectively with complexity in sectors as diverse as energy, transport, defence, telecommunications, health and infrastructure.

This programme is accredited by the IET and IMechE.

Modules

Modules studied may include: Applied Systems Thinking; Systems Architecture; Mechatronic System Design; Systems Design; Validation and Verification; Machine Learning – Principles and Applications for Engineers; Modelling Simulation and Visualisation for Engineering; Engineering and Management of Capability; Innovation and Entrepreneurship in Engineering; Holistic Engineering; Group Systems Project; and an individual project.

Additionally, one specialist module may be substituted from another MSc: Engineering for Sustainable Development; Manufacturing Processes Automation; Additive Manufacturing; Computer Aided Engineering; Engineering Design Methods; Digital Signal Processing; Communication Networks; Lean and Agile Manufacture or Telecommunications Network Security.

How you will be assessed

You will be assessed by a combination of coursework, dissertation, exams, group work and a substantial project.

How you will study

You will study through a range of group work, independent study, lectures, practical sessions and workshops, seminars and tutorials.

Career prospects

There is global demand for Systems Engineering graduates in a range of industries, at companies such as Rolls Royce, BAE Systems, Easy Jet and Jaguar Land Rover to name a few, in roles such as Graduate Engineer, Systems Engineer, Software Engineer and Functional Safety Engineers.

Telecommunications Engineering

MSc

Full-time length: 1 year

Part-time length: Not available

Entry requirements: A 2:1 honours degree or equivalent international qualification in a relevant science, technology, engineering or maths discipline. Applicants with qualifications slightly below and/or professional experience will be considered.

Fees: UK: £11,900 International: £26,500

Programme overview

Our Telecommunications Engineering MSc is accredited by the IET, and provides a thorough understanding of modern and future telecommunication systems including 4G and 5G technologies, as well as the opportunity to develop advanced practical and theoretical knowledge, equipping you with the skills and experience needed to design and develop the next generation of telecommunication systems.

As fresh technologies emerge in this ever-expanding field, you will possess the essential theory and insights needed to support a career in telecommunications. You will undertake projects as part of your course, utilising performance measurement equipment and a testbed to test the validity of your systems and detect possible network abuse.

You will have access to the communications laboratory equipped with software defined radios, drones and professional network measurement equipment, as well as the radio frequency anechoic chamber for testing antennas.

Modules

Modules studied may include: Digital Signal Processing; Communication Networks; Information Theory and Coding; Telecommunications Network Security; Advanced Telecommunications Techniques; Applied Network Monitoring and Security; Communication Channels; Statistical Methods and Data Analysis; Antennas; Digital Signal Processing for Software Defined Radio; and a telecommunications project.

How you will be assessed

You will be assessed by a combination of coursework, exams, group work and a substantial project.

How you will study

You will study through a range of group work, independent study, lectures, practical sessions and workshops, seminars and tutorials.

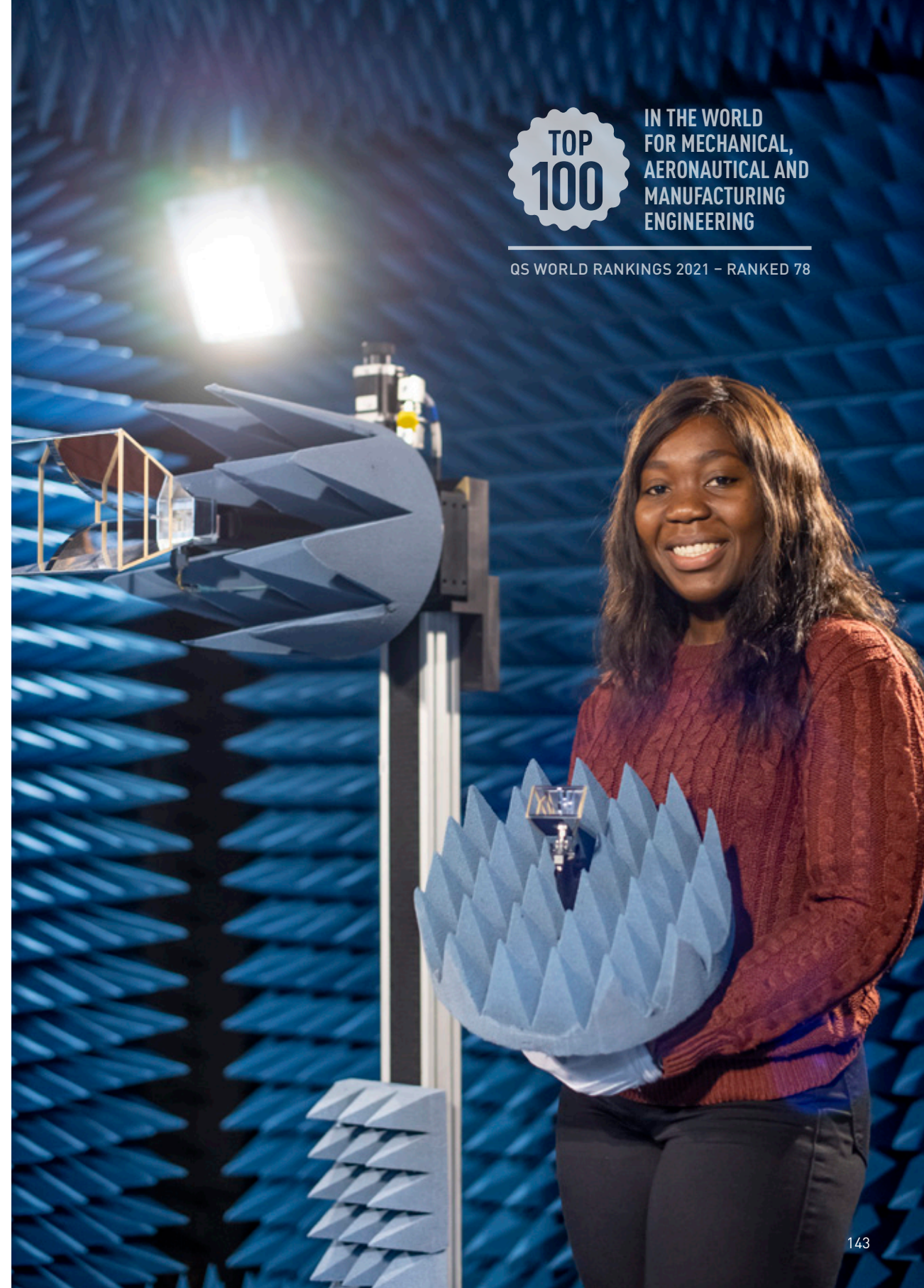
Career prospects

Graduates of the Telecommunications Engineering MSc are sought after in communication engineering industries from software/firmware to signal processing in senior technical and managerial roles.



IN THE WORLD
FOR MECHANICAL,
AERONAUTICAL AND
MANUFACTURING
ENGINEERING

QS WORLD RANKINGS 2021 – RANKED 78



Joe
PhD student

"My PhD enables me to do exactly what I want to do and what I'm passionate about; it's interesting and the work I'm doing is new. Everyone is friendly and is always happy to help."



Our programmes

Research opportunities PhD	p146
Advanced Physics MSc	p147
Physics of Materials MSc	p147

Physics

Excellent facilities and our international community of staff and students combine to make Loughborough University an ideal choice for postgraduate study in physics.

Advancing knowledge across the breadth of the physical sciences, the Department is actively engaged with industry and cutting-edge research.

Our postgraduate students benefit from state-of-the-art physics laboratories within the University's £17 million STEMLab and the newly refurbished Sir David Davies building. We feature a range of advanced experimental facilities, including thin film growth (pulsed laser deposition and sputtering), 2D materials transfer system, atomic force microscopy, Raman scattering, X-ray diffraction, low temperature (0.3K) and high magnetic field (9T) physical property measurement system, ferromagnetic resonance set up and a departmental class 1000 clean room for micro fabrication. Additionally, students can access facilities at the Loughborough Materials Characterisation Centre lboro.ac.uk/research/lmcc.

Research with impact

Impactful research is central to the culture of our department. Our research focuses on condensed matter and quantum physics, and many of our staff are actively engaged in both theoretical and applied research, industry projects and collaborations with Loughborough's science and engineering departments, and with partners across the world.

Our two research-focused MSc programmes combine taught modules with the opportunity to develop research skills and work on an extensive supervised research project alongside experts in the field.

Equality and diversity in STEM

The School of Science is committed to creating a diverse and inclusive working, learning, social and living environment that enables students to achieve their potential and which celebrates and encourages diversity. Our aim is to maximise opportunity for all.



£4M INVESTMENT
IN NEW PHYSICS
LABORATORIES



11TH FOR PHYSICS
THE GUARDIAN
UNIVERSITY GUIDE 2021



£17M
STEMLAB
FACILITY



lboro.ac.uk/pg/physics

Research opportunities

PhD: 3 years full-time; 6 years part-time

Entry requirements: A 2:1 honours degree or equivalent international qualification in physics or a related discipline.

Fees: UK: see website International: £25,100

We are a research-intensive physics department, best known for our leading contribution to diverse fields of condensed matter physics. Building on our traditional strengths in fundamental physics we address the UK Grand Challenges. Our most significant contributions and innovations are in the areas of 2D and van der Waals materials, novel devices for energy harvesting, spintronics, high-frequency electronics, novel computing approaches and artificial intelligence.

Supporting you

You will be able to consult departmental academic staff regarding your specific research interests and assigned supervisors with expertise in the selected research area, at the start of your PhD. We have a vibrant international community of PhD researchers with whom you can interact regularly and we organise regular departmental seminars in topics of current interest which will help you to build an excellent network during your research. Furthermore, we offer bespoke training courses to support your research and additionally, you can also develop your skills further by supporting undergraduate teaching in the department.

How to apply

Projects which have funding attached are advertised on our online prospectus. For self-funded projects or those funded by third-party sponsors, you should give an indication of your general field of interest but are not advised to provide a detailed proposal.

Our areas of research

Novel Materials

Research in this area covers novel materials such as superconductors, graphene, and topological insulators, high temperature superconductivity, Weyl metals, magnetic and spintronic materials and the engineering and design of quantum devices.

Quantum and Nano-engineering and Design

The interdisciplinary Quantum Systems Engineering Research Group brings together a unique team from diverse backgrounds including scientists, quantum technologists, engineers and end-users. Research in this area ranges from fundamental ideas in quantum mechanics and quantum behaviour in condensed matter to applications to quantum technology.

High Frequency Solid State Physics and Engineering

Research in this area is dedicated to the development of devices, such as sources, sensors and amplifiers, based on novel semi- and super-conducting materials for high-frequency (GHz/THz) applications.

Physics of Complexity

Research in this area covers econophysics, biophysics, Brownian motion, sociophysics and social networks, and physical principles of unconventional computing. The Department has internationally leading research groups and infrastructure, supporting the research in all presented areas.

Our research groups are flexible and strongly engage in enhanced cross-communication and collaboration between the five Departments of the School, namely, between Physics, Chemistry, Mathematical Sciences, Computer Science and the Mathematics Education Centre. We have several Interdisciplinary Research Centres involving staff and PhD students from all five Science departments encouraging interdisciplinary research:

- Centre for Imaging Science
- Centre for the Science of Materials
- Centre for Geometry and Applications
- Centre for Analytical Science
- Interdisciplinary Centre for Mathematical Modelling
- Interdisciplinary Science Centre from Laboratory to Fabrication (Lab2Fab)

Taught programmes

Advanced Physics

MSc

Full-time length: 1 year

Part-time length: Not available

Entry requirements: A 2:2 honours degree or equivalent international qualification in science or engineering, or appropriate professional experience.

Fees: UK: £11,900 International: £26,500

Programme overview

Our Advanced Physics MSc will equip you with the key skills needed for employment in industry, public service or academic research.

The programme reflects the research strengths and specialisms of Loughborough's Department of Physics, combining compulsory modules which may include superconductivity and nanoscience with options that include quantum computing and solid-state physics. The majority of the programme is devoted to research work, in which you will learn research methods appropriate to a particular area of physics, and then plan and execute a project, carrying out original research under the guidance of an expert in the field.

Modules

Compulsory modules may include: Mathematical Methods for Interdisciplinary Sciences; Research Methods in Physics; and a Research Project.

Optional modules may include: Characterisation Techniques in Solid State Physics; Quantum Information; Advanced Materials Characterisation; Nanomaterials and Composites; Superconductivity Nanoscience; Physics of Complex Systems; Quantum Computing; Simulation of Advanced Materials and Processes; Advanced Processing of Materials; and Materials Modelling.

How you will be assessed

You will be assessed by a combination of exams, coursework and group work.

How you will study

You will study through a range of lectures, seminars, tutorials, practical sessions and individual study, including your own substantial research project.

Career prospects

Employers of choice for our graduates include the Ministry of Defence, DSTL, BAE Systems, BP, Rolls-Royce and Intelligent Energy in roles such as Business Analyst, Physicist, Technical Manager and Financial Trader. Other students have gone on to study at PhD level.

Physics of Materials

MSc

Full-time length: 1 year

Part-time length: Not available

Entry requirements: A 2:2 honours degree or equivalent international qualification in science or engineering, or appropriate professional experience.

Fees: UK: £11,900 International: £26,500

Programme overview

Our Physics of Materials MSc provides you with the opportunity to work with expert researchers in the field. This research-focused comprehensive programme is designed to equip you with the advanced theoretical and mathematical skills of a professional physicist.

The programme allows you to explore the physics of new materials, their preparation and characterisation. You will learn how to work with modern research-level equipment and make an analysis of your own experimental and theoretical data, as well as applying modern physics methods to assess materials, examine properties of novel materials, and develop the advanced theoretical and quantitative skills that are highly sought after by employers.

Modules

Compulsory modules may include: Characterisation Techniques in Solid State Physics; Research Methods in Physics; and a Research Project.

Optional modules may include: Mathematical Models for Interdisciplinary Sciences; Advanced Materials Characterisation; Nanomaterials and Composites; Superconductivity and Nanoscience; Simulation of Advanced Materials and Processes; Advanced Processing of Materials; and Materials Modelling.

Additional modules may be available from the Materials Department.

The theme of your research project will be one of the topical areas in physics of materials, including graphene-based materials, thin film materials, shape memory compounds or nanomaterials, or experimental study of properties of materials.

How you will be assessed

You will be assessed by a combination of exams, coursework and group work.

How you will study

You will study through a range of lectures, tutorials, practical sessions and guided independent study, including your own substantial research project.

Career prospects

Employers of choice for our graduates include the Ministry of Defence, DSTL, BAE Systems, BP, Rolls-Royce, and Intelligent Energy, in roles such as Business Analyst, Physicist, Technical Manager and Financial Trader. Other students have gone on to study at PhD level.

Amber

MSc Exercise Physiology

“My lecturer in the United States told me if I wanted a master’s degree in sport, exercise and health sciences, then Loughborough was the clear choice. It is truly world-renowned.”

Our programmes

Research opportunities PhD	p150
Applied Sport Performance Analysis MSc	p151
Exercise as Medicine MSc	p151
Musculoskeletal Sport Science and Health MSc	p152
Physical Education with Qualified Teacher Status (QTS) PGCE/MSc with QTS	p152
Physiology and Nutrition of Sport and Exercise MSc	p153
Social Science Research (Sport and Exercise Science) MSc	p153
Sport and Exercise Psychology MSc	p154
Sport Biomechanics MSc	p154
Sport Management MSc	p155
Sport Management, Politics and International Development MSc	p155
Strength and Conditioning MSc	p156

Sport, Exercise and Health Sciences

The School of Sport, Exercise and Health Sciences is a globally recognised centre of excellence for the study of sport, exercise and health across the natural and social sciences.

Ranked first in the world for sport-related subjects for five years running in the prestigious QS World University Rankings, our wide-ranging expertise encompasses diverse areas such as medicine, molecular biology, nutrition, physiology, biomechanics, economics, pedagogy, psychology, sociology and sport management.

We work with influential sport organisations from across the world who wish to partner with us on a range of cutting-edge research, teaching and enterprise activities. These partnerships benefit our students by ensuring that our teaching and research are informed by industry and have a real world impact on society, culture and the economy.

Our postgraduate students have gone on to further study or to follow careers in teaching, lecturing and research, as well as taking up positions within a variety of organisations or starting their own businesses.

World-class facilities

We are proud to offer postgraduate students the most advanced facilities for learning and research, with access to state-of-the-art laboratories, teaching resources, equipment, and sport and exercise facilities. This includes the £10 million pioneering sport and exercise medicine centre – one of three regional hubs that, together, form the country’s first ever National Centre for Sport and Exercise Medicine.

Loughborough University and the School of Sport, Exercise and Health Sciences offer both a truly unique student experience and a dynamic centre of research excellence.

 lboro.ac.uk/pg/ssehs

NO. 1
NO. 1 IN THE WORLD
FOR SPORT-RELATED
SUBJECTS
QS WORLD UNIVERSITY
RANKINGS 2021

3RD
3RD IN THE UK
FOR SPORTS SCIENCE
THE TIMES AND SUNDAY
TIMES GOOD UNIVERSITY
GUIDE 2021

**100% OF RESEARCH IMPACT
RATED 'WORLD-LEADING'
OR 'INTERNATIONALLY
EXCELLENT'**
REF 2014

Research opportunities

PhD: 3 years full-time; 6 years part-time

Entry requirements: A 2:1 honours degree or equivalent international qualification, or a master's degree.

Fees: UK: see website International: see website

With globally renowned staff collaborating with other academic institutions, centres and industry partners around the world, the School of Sport, Exercise and Health Sciences has been recognised for the quality of its research (commended in the most recent Research Assessment Exercise) and enjoys a high profile with employers and in the media.

Research within the School continues to have a far-reaching impact and reflects the global interests of staff and their extensive international collaboration. Research is multi-disciplinary, drawing on the full spectrum of natural and social sciences, and is focused on issues of contemporary concern at international, national and local levels.

The School is renowned for fundamental and applied research, which supports knowledge advancement and informs the practice of organisations worldwide.

Supporting you

You will be assigned a primary and secondary supervisor who will provide personal support and academic advice, ensuring that you benefit from multidisciplinary research expertise. The Director of Doctoral Programmes will also be on hand to oversee your progress.

All Doctoral students within the School, can also take advantage of extra training opportunities and support, designed to help you to develop professional skills, publish research and find out about potential career routes in academia and beyond.

In addition to access to world-leading facilities to support your research, you will have a desk, workstation, allowance for photocopying and inter-library loans, plus the opportunity to apply for conference travel grants.

How to apply

Projects that have funding attached (eg through research councils, university funding or industry sponsorship) are advertised via our online prospectus and do not require a research proposal.

For self-funded projects or those funded by third-party sponsors, you should submit a research proposal of a maximum of 1,000 words. This should include the aims of your study, a brief literature review, an outline of your proposed research methods and your preferred supervisor for the project.

It is strongly recommended for you to contact us for preliminary discussions regarding topics, availability and funding, before submitting an application.

Our areas of research

A broad range of social and natural sciences contribute to the School's research activity, which is organised within three themes.

Sport Performance

Research within this theme aims to understand and enhance sport and exercise performance across the ability range, by investigating the factors influencing, and methods for improving, human performance in sport and exercise.

These objectives encompass the physiological, pedagogical, biomechanical and psychological aspects of performance, as well as injury prevention and rehabilitation.

A further objective is to analyse the social, political and economic context within which performance sport takes place.

Lifestyle for Health and Well-being

Research within this theme strives to improve human health and well-being throughout the lifespan by considering the social, behavioural and biological determinants and consequences of human lifestyles, with a specific emphasis on physical activity, nutrition and chronic disease.

Participation in Sport and Exercise

Research under this theme aims to increase and enhance the sport and exercise opportunities and experiences of participation in sport and exercise. It analyses the sociological, economic, psychological, political, organisational and behavioural factors that inhibit and facilitate community participation in sport and exercise.

For more information about research opportunities in the School of Sport, Exercise and Health Sciences, please visit: lboro.ac.uk/ssehs/research

Taught programmes

Applied Sport Performance Analysis

MSc

Full-time length: 1 year

Part-time length: Typically 2 years

Entry requirements: A 2:1 honours degree or equivalent international qualification in sports science or a related programme (sport coaching, sport performance analysis, mathematics, statistics, or data science) with sufficient evidence of engagement and interest in performance analysis. Applicants will also need to secure an appropriate performance analysis placement to be accepted on the course.

Fees: UK: £11,900 International: £26,500

Programme overview

This MSc degree programme provides you with the advanced knowledge and skills to analyse and develop performance in elite sport.

Created in collaboration with industry experts, the programme focuses on the science, workflows, and applied practice of performance analysis.

You will explore how performance analysis interacts with and supports the coaching and decision-making process, develop your understanding of sports analytics and visualization, and learn how to tell impactful stories using complex data sets.

Modules

Modules studied may include: Coaching Process and Applied Performance Analysis Workflows; Applied Sports Analytics and Visualisation; Applied Performance Analysis Placement: High Performance Cultures; Applied Performance Analysis Placement: Reflective Practice and Career Development; and a research project.

How you will be assessed

You will be assessed by a combination of coursework assignments and group work.

How you will study

Your learning will be supported through a range of seminars, lectures, tutorials, independent study, group work and practical sessions.

Career prospects

Graduates of this programme will be able to pursue careers applying their performance analysis knowledge and skills in a variety of settings, including working with elite sports people and teams, nationally and internationally. It could also open up career opportunities with global sports technology and sports analytics companies, allowing you to contribute to the ever-increasing use of analytics in broadcasts, or allow you to pursue research and consultancy opportunities.

Exercise as Medicine

MSc

Full-time length: 1 year

Part-time length: Typically 2 years

Entry requirements: An honours degree (2:1 or above) or equivalent international qualification in sports science or another relevant biological science, which contains a substantial element of exercise physiology, such as applied human physiology or physiotherapy.

Fees: UK: £16,700 International: £28,500

Programme overview

This Master's degree programme equips you with the knowledge and skills to promote the prescription of exercise, both as a preventative measure and as treatment/therapy.

It educates a highly skilled cohort of allied health professionals, with the ability to work alongside clinicians and practitioners to manage the epidemic of lifestyle-related diseases and conditions.

You will benefit from teaching environments in our world-leading National Centre for Sport and Exercise Medicine – East Midlands and have access to state-of-the-art laboratories, designed to facilitate the transfer of cutting-edge research to front-line support and care.

Modules

Modules may include: Exercise Testing and Prescription; Epidemiology of Physical Activity; Interventions for Physical Activity Promotion; Measurement of Physical Activity and Sedentary Behaviour; Quantitative Research; Behavioural Medicine; Professional Practice in Exercise as Medicine; and a research project.

How you will be assessed

You will be assessed by a combination of exams, coursework and group work.

How you will study

You will study through a range of seminars, lectures, tutorials, independent study, group work and practical sessions.

Career prospects

Graduates will be able to pursue careers in the allied healthcare professions, such as health promotion, public health, exercise testing and prescription, and rehabilitation, as well as in higher education and research.

Musculoskeletal Sport Science and Health

MSc

Full-time length: 1 year
Part-time length: Typically 2 years

Entry requirements: A 2:1 honours degree or equivalent international qualification in a relevant subject, or equivalent professional experience.

Fees: UK: £16,700 International: £28,500

Programme overview

Our Musculoskeletal Sport Science and Health MSc provides you with knowledge of the scientific concepts and procedures underpinning sport and exercise-related musculoskeletal function, measurement, injury and treatment.

The programme provides a multidisciplinary perspective on the study of musculoskeletal health and performance, including anatomy, physiology, biomechanics, bioengineering and kinesiology.

It is delivered in connection with the National Centre for Sport and Exercise Medicine – East Midlands (NCSEM-EM). The NCSEM-EM is accredited by the International Olympic Committee (IOC) as a Research Centre for Prevention of Injury and Protection of Athlete Health – one of just 11 accredited centres around the world.

Modules

Modules may include: Orthopaedic Sport Biomechanics; The Risks of, and Recovery from, Sports and Musculoskeletal Injury; Neuromuscular Function; Para Sport – Rehabilitation to Performance; Basic Science and Regenerative Therapy; Emerging Digital Health Technologies; Qualitative Research; and a research project.

Optional modules may include: Measurement of Human Movement; and Developing Computer Models for Sports Biomechanics.

How you will be assessed

You will be assessed by coursework, essays, laboratory write-ups, reports, presentations, in-class tests, and exams, as well as project reports and a research project.

How you will study

Your learning will be supported through a range of seminars, lectures, tutorials, independent study and practical sessions.

Career prospects

Typical career destinations include sports science support, rehabilitation and exercise therapy, and working with professional sports organisations. Other graduates progress to PhD study and teaching in further and higher education.

Physical Education with Qualified Teacher Status (QTS)

PGCE/MSc with QTS

PGCE: 1 year full-time
MSc with QTS: 1 year full-time PGCE, plus additional part-time modules

Entry requirements: A 2:1 honours degree or equivalent international qualification in a relevant discipline, which includes at least 50% sport science or PE-related content. A PGCE in physical education awarded by a UK higher education provider or a recognised equivalent qualification.

Fees: PGCE: UK: £9,250 MSc with QTS: UK: £10,100

Programme overview

Our Physical Education with Qualified Teacher Status (QTS) programme prepares you to teach secondary school students. It provides practical professional preparation for teaching and is designed and delivered in partnership with local schools. One third of the programme is university-based, two thirds of your time will be spent in schools.

We have a strong tradition of teacher education and a history of successfully producing outstanding teachers, and have been rated outstanding by Ofsted in the last four inspections. Our graduates are in great demand by schools and colleges in the UK and overseas.

You will have access to the University's outstanding sports facilities for the taught element of the course and to selected partnership schools in the region for the school-based element.

The PGCE represents both a standalone qualification and the first year (contributing half the credits) of an MSc in Education with QTS. This therefore provides an opportunity for you to gain a relevant master's degree during your early teaching career, should you wish to continue your studies beyond the PGCE year.

How you will be assessed

You will be assessed through a variety of methods, including written assignments and a poster presentation. You will also be assessed in your practical teaching.

How you will study

Your learning will be supported through a range of lectures, seminars, tutorials, group work, independent study and practical sessions.

Career prospects

The majority of our PGCE trainees go onto secure teaching posts and to have very successful careers in schools, both in the UK and overseas.

Physiology and Nutrition of Sport and Exercise

MSc

Full-time length: 1 year
Part-time length: Typically 2 years

Entry requirements: An honours degree (good 2:1 of 65% and above) or equivalent overseas qualification in sports science, human physiology, nutrition or dietetics, or other relevant biological science that contains a substantial element of exercise physiology and/or nutrition.

Fees: UK: £11,900 International: £26,500

Programme overview

Our MSc in Physiology and Nutrition of Sport and Exercise is designed to provide you with an in-depth understanding of the physiological, nutritional and metabolic demands of exercise and training, and their implications for participation in sport, as well as for the maintenance of good health.

The programme offers in-depth study across a range of areas within exercise physiology and sport and exercise nutrition.

Modules

In Semesters 1 and 2 modules cover the following areas: Physiology of Sport and Exercise; Sport and Exercise Nutrition; Quantitative Research; Laboratory Techniques in Exercise Physiology and Nutrition; and a research project. You will also have the opportunity to tailor your degree to your interests, by choosing to study either: Applied Sport and Exercise Nutrition; or Contemporary Issues in Exercise Physiology.

How you will be assessed

You will be assessed by a combination of examinations, coursework and group work.

How you will study

You will study through participation in lectures, tutorials, group work, practical laboratory sessions, and via supervised research and independent study.

Career prospects

This programme will equip you for future careers in applied sports physiology/nutrition, exercise physiology and sport nutrition support, in research (PhD, or research positions in the Higher Education Sector), teaching in higher education or in employment in industry. Employability and applied skills teaching are embedded within the programme.

Our graduates have been employed by National Governing Bodies (including UK Athletics, British Swimming, British Cycling), professional bodies (including the Football Association, Rugby Football Union, Lawn Tennis Association), the English, Scottish and Welsh Institutes of Sport, Industry (including Nestle, GlaxoSmithKline, Yakult) and in health settings (including the NHS, BUPA, Nuffield Health).

Social Science Research (Sport and Exercise Science)

MSc

Full-time length: 1 year
Part-time length: Typically 2 years

Entry requirements: A 2:1 honours degree or equivalent international qualification in Sport and Exercise Sciences, Sport Management, Humanities, Social Sciences or Journalism.

Fees: UK: £10,100 International: £20,800

Programme overview

Our Social Science Research (Sport and Exercise Science) MSc provides students with a comprehensive overview of the key methodological and philosophical debates that shape the social sciences.

Our research is multidisciplinary, drawing on the full spectrum of natural and social sciences, and is focused on issues of contemporary concern at international, national and local levels. We engage in strong partnerships with leading schools, institutes and universities across the world in the research fields of sport, exercise, education, health and well-being.

The broad scope of this research has, for example, led to: developments in the treatment of eating disorders; improved understanding of the effects of sedentary lifestyles and the benefits of physical activity; academic support to enhance sport coaching; advice to international sport organisations and governments on policies and procedures; guidance and support for elite athletes (both able-bodied and disabled) to achieve their full potential; and the use of exercise in treating health conditions.

Modules

Modules studied may include: Philosophy of Social Science; Quantitative Research Methods; Research Design and Practice; Qualitative Research Methods; Specialist Research Methods (Sport and Exercise Science); and a dissertation. Optional modules cover a range of advanced research methods.

How you will be assessed

You will primarily be assessed via coursework, along with a dissertation and an oral poster presentation.

How you will study

You will study through a range of lectures, seminars, practical sessions, independent study and group work.

Career prospects

On completion of the course you will have met the MSc training requirements for PhD funding from the Economic and Social Research Council (ESRC), opening up the possibility of securing PhD funding from the organisation.

Sport and Exercise Psychology

MSc

Full-time length: 1 year

Part-time length: Typically 2 years

Entry requirements: An honours degree (2:1 of 65% or above) or equivalent international qualification in sport and exercise science, psychology or a related field.

Fees: UK: £11,900 International: £26,500

Programme overview

Our Sport and Exercise Psychology MSc moves beyond the fundamentals of psychological science. It focuses on significant areas in the applied contexts of sport and physical activity, while enabling you to develop a critical understanding of current research and theory.

The programme is designed to prepare students for practitioner career pathways or doctoral research and academic roles. It is accredited by the British Psychological Society (BPS) via "Accreditation Through Partnership". Successful completion of the programme represents Stage 1 of practitioner training.

Modules

Compulsory modules may include: Psychology of Exercise for Clinical Populations; Motivation and Individual Differences in Sport and Exercise; Mental Health in Sport and Exercise; Professional Practice in Sport Psychology; Psychology of the Coach-Athlete Relationship; Introductory Qualitative and Quantitative Research; and a research project. In addition, you have the opportunity to take either Quantitative Research or Qualitative Research.

How you will be assessed

You will be assessed by a rich variety of coursework assessments, in-class tests, and examinations.

How you will study

Your learning will be supported through a range of lectures, seminars, independent study, group work, practical sessions, workshops and/or field work.

Career prospects

Graduates from the School of Sport, Exercise and Health Sciences have gone on to pursue roles in sport and exercise psychology within such organisations as the British Psychological Society, Brighton and Hove Albion FC, GiveSurf, Leicester Tigers, and the Ministry of Defence. Many graduates undertake Stage 2 training to become Health and Care Professions Council-accredited Sport and Exercise Psychology practitioners.

Sport Biomechanics

MSc

Full-time length: 1 year

Part-time length: Typically 2 years

Entry requirements: A 2:1 honours degree or equivalent international qualification in sport or biological sciences (with a substantial biomechanics/bioengineering component), or in engineering, maths, physical sciences, or related disciplines.

Fees: UK: £11,900 International: £26,500

Programme overview

Our well-established MSc in Sport Biomechanics enables you to specialise in the "physics of sport" – the area of science concerned with the analysis of human movement. Through the measurement and simulation of movement, it facilitates a greater understanding of human performance in sporting and recreational activities. This understanding can then be used to improve performance and reduce injury risk.

You will be taught by world-leading experts in experimental and theoretical sport biomechanics and motor control, in dedicated facilities, containing key pieces of biomechanics equipment. This includes Vicon motion analysis systems, force plates, wireless electromyography (EMG), and isokinetic dynamometers, together with the programming language MATLAB for data processing and analysis, and software for computer simulation and inertia modelling.

The programme culminates in an original research project that involves the collection and analysis of data to answer a research question.

Modules

Modules may include: Core Biomechanics; Neuromuscular Function; Orthopaedic Sport Biomechanics; Theories and Methods of Analysis in Biomechanics; Developing Computer Models for Sport Biomechanics; Quantitative Research; and a research project.

How you will be assessed

You will be assessed by a combination of exams, coursework and group work.

How you will study

You will study through a range of lectures, seminars, practical sessions and group work.

Career prospects

Recent graduate destinations include: elite athlete support for the English Institute of Sport and the Lawn Tennis Association; PhD research at Loughborough and other top 100 QS world ranked universities; biomechanics services at the National Biomechanics Institute (US) and Boardman Bikes; and biomechanics technology with Hawkeye and Vicon.

Sport Management

MSc

Full-time length: 1 year

Part-time length: Typically 2 years

Entry requirements: A 2:1 honours degree or equivalent international qualification in the area(s) of sport, business, management or a related subject (ie marketing, accounting, economics), law or journalism.

Fees: UK: £11,900 International: £26,500

Programme overview

Our Sport Management MSc equips you with the skills and knowledge to work in the rapidly expanding, global sport industry.

Our academic staff are renowned internationally for their contribution to sport management research and have conducted research for a range of respected organisations, including Sport England, the International Olympic Committee and the European Commission. Their leading research supports and enhances the teaching on the programme.

You will address topics such as professional sport marketing strategies, new sport policies, strategic management and innovation in the sport industry, and the governance of sport federations. You will develop strong team working skills through regular group work and will have the opportunity to experience applied elements in the degree to develop your practical skills.

In addition, we regularly host guest speakers who present interesting and relevant insights and provide opportunities for you to network with key players in the sport industry.

Modules

Modules studied may include: Sport Policy, Governance and Law; Global Sport Marketing and Media; Economics of Innovation in Sport; Management of Human Resources in the Sport Industry; Accounting for Decision Making; Managing Strategy Development in Sport Organisations; Research Methods and Skills for Sport Managers; and a research project.

How you will be assessed

You will be assessed by a combination of exams, coursework and group work.

How you will study

You will study through a range of lectures, seminars, practical sessions, independent study and group work.

Career prospects

Recent graduates from Sport Management have gone on to work in the sport industry within the UK and beyond, in countries such as China, India, South Korea and the USA. Some career destinations include: Adidas, Arena Sports, Group M China, London Irish RFC, Qatar Investment Group, and Sense Sport.

Sport Management, Politics and International Development

MSc

Full-time length: 1 year

Part-time length: Typically 2 years

Entry requirements: A 2:1 honours degree or equivalent international qualification in sports science or a social science discipline.

Fees: UK: £11,900 International: £26,500

Programme overview

Our MSc in Sport Management, Politics and International Development provides you with a strong critical understanding of sport management, sport politics and international development in sport. It is taught by our diverse team of staff who are recognised globally for their research and teaching in these areas. Our team is committed to equipping you with the knowledge and skills to work in the global sport industry and in wider sport-related fields of employment.

Our academic staff have undertaken projects with many leading organisations including: the Commonwealth Secretariat, European Commission, International Olympic Committee, International Paralympic Committee, and UK Sport.

The programme draws on our strong ties across the sport sector and with sport-related organisations in business, government, and non-profit fields. Key representatives from these organisations contribute to the programme through guest lectures and/or via supporting other collaborative learning opportunities for postgraduate students, adding further value to your studies.

Modules

Modules studied may include: Research Methods and Skills for Sport Managers; The Development of Sport; The Politics of Sport; Sport Integrity; Global Sport Marketing and Media; Sport and International Development; Sport Policy, Governance and Law; and a research project.

How you will be assessed

You will be assessed by a combination of exams, coursework and group work.

How you will study

You will study through a range of seminars, lectures, tutorials, independent study, group work, practical sessions and supervision.

Career prospects

This programme provides you with the skills and knowledge to enter careers in sport management, sport policy, and sport development, or to pursue PhD study. Graduates from the School of Sport, Exercise and Health Sciences have gone on to work for diverse organisations including Adidas, Arena Sports, Group M China, Lawn Tennis Association, Major Events International, Qatar Investment Group, and the Youth Sport Trust.

Strength and Conditioning

MSc

Full-time length: 1 year

Part-time length: Typically 2 years

Entry requirements: A 2:1 honours degree or equivalent international qualification in sports science or other relevant biological science that contains an element of exercise physiology, such as applied human physiology or physiotherapy.

Fees: UK: £11,900 International: £26,500

Programme overview

Our Strength and Conditioning MSc provides the knowledge, skills and experience to develop athletes across the spectrum of athletic achievement, from participation to high performance.

The programme provides bespoke research-informed modules to develop your knowledge of all topics relevant to strength and conditioning. The programme capitalises on Loughborough's sporting strengths to enable the provision of hands-on coaching experience, designed to give you the tools to develop athletic performance at the highest level.

The programme focuses on the science and practice of strength and conditioning, as well as the fundamental science underpinning performance adaptations. There is also the opportunity to undertake an extended coaching internship with either Loughborough University performance athletes or external sport partners. The programme culminates in an independent research project in which you will apply the knowledge and techniques you have learned to answer a scientific question relevant to strength and conditioning.

Modules

Modules studied may include: Neuromuscular Function; Strength and Conditioning Coaching; Applied Strength and Conditioning Science; The Science Underlying Performance and Injury; Professional Practice for Strength and Conditioning; Quantitative Research; and a research project.

How you will be assessed

You will be assessed by a combination of exams, coursework and presentations.

How you will study

Your learning will be supported through a range of seminars, lectures, tutorials, independent study, group work, practical sessions and supervision.

Career prospects

Our graduates have gone on to pursue roles in strength and conditioning and coaching for a variety of organisations including: Fulham Football Club, Spartans Football Club, Sport981, the England and Wales Cricket Board, the Aquatic Sports Association of Malta, Cressey Sports Performance, Norwich Football Club, Aston Villa Football Club, private schools and further education institutions.



No. 1
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**SPORT-RELATED
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QS WORLD UNIVERSITY RANKINGS
2017, 2018, 2019, 2020 AND 2021

Loughborough University London offers an inspiring learning environment, complete with world-leading scholars, dynamic industry partners and a comprehensive package of careers and employability support.

Not only will you develop in-depth knowledge of your chosen subject area but you will also gain the skills and experiences you need to make your dream career a reality.



**LOUGHBOROUGH
UNIVERSITY**
LONDON INSTITUTES

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Imogen

Design Innovation Management MSc

"I love the sense of community at Loughborough University London. I have made friends from all over the world and the diversity benefits my learning as we are able to learn from each other while collaborating."



Our programmes

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Design Innovation

The Institute for Design Innovation is committed to delivering high quality teaching in collaboration with industry and civil society to address real-life enterprise and social innovation needs.

The Institute combines research, teaching and enterprise to deliver a comprehensive set of programmes in design innovation and management, service design, branding, cultural heritage innovation, sustainable management and design research.

Design students have the opportunity to take part in a wide range of activities with the Institute's extensive network of industry partners, social enterprises and voluntary organisations. The Institute also proudly maintains a close collaborative relationship with the School of Design and Creative Arts, located at the Loughborough campus.

We are committed to helping our students achieve great things, and encourage all of our students to build professional relationships with the organisations that interest them the most.

Whether your goal is to launch your own business, support the development of an existing product or service, or work in the areas of sustainability and social and cultural innovation, the Institute for Design Innovation is dedicated to making your future ambitions a reality.

Innovative teaching and research

Each programme allows students to engage in externally connected creative projects whilst studying in the design capital of the world. These projects provide students with experience of working in cross-cultural and interdisciplinary design-driven teams, facilitating the development of skills that are increasingly in demand by industry and civil society.

The research agenda of the Institute for Design Innovation builds on the idea that design enables innovation through positive change in the context of users, organisations, ecosystems and society. Our research topics include design value, design meaning, delivery of policies and services, and collaborative practices in social and enterprise environments.



2ND IN THE UK
FOR ART AND DESIGN
*THE TIMES AND SUNDAY
TIMES GOOD UNIVERSITY
GUIDE 2021*



2ND IN THE UK
FOR DESIGN AND
CRAFTS
*THE GUARDIAN
UNIVERSITY GUIDE 2021*



4TH IN THE UK
FOR ART AND DESIGN
*THE COMPLETE
UNIVERSITY GUIDE 2022*



31ST IN THE WORLD
FOR ART AND DESIGN
*QS WORLD UNIVERSITY
RANKINGS BY SUBJECT 2021*

Research opportunities

PhD: 3 years full-time; 6 years part-time

Entry requirements: A 2:1 honours degree or equivalent international qualification.

Fees: UK: see website International: £25,100

The Institute for Design Innovation welcomes explorative research proposals with novel methodologies and creative approaches to the grey areas of design research.

The Institute for Design Innovation is currently engaged in research with a focus on the use and application of design knowledge, skills and approaches in various contexts.

Through pursuing one of our postgraduate research programmes, research students will have the opportunity to work with top researchers and industry leaders, and gain first-hand experience of real-life problem solving.

Our aim is to create a vibrant, enthusiastic, and forward thinking community, where world-leading academics and talented students work closely together to research world leading inventions.

Our areas of research

The Institute for Design Innovation has an interest in pursuing issues in design that are at the vanguard of design research, and which have the potential to deliver outstanding outcomes for design research and practice. The thematic areas include, but are not limited to:

Design Delivery

This research area examines the role of design and designers in entrepreneurship, sustainable product service systems, social enterprises and services, and the circular economy through concepts such as innovation ecosystems.

Design Exploration

This area investigates exploratory topics, imaginative contexts and novel methodologies of design and its relationship to the socio-political.

Design Meaning

This research area examines design-driven innovation of experience and meaning in design and innovation in the context of culture, society, communication and media.

Design Practice

This area of research investigates creative and design-driven contexts by exploring collaborative, interdisciplinary and multicultural practices and approaches, drawing on theories of social practice, amongst others.

Design Value

This area of research is focused on understanding the multiple ways of interpreting value and their relation to design, through the application of design into multiple contexts involving users, organisations, ecosystems and society.

Career prospects

As well as providing a route into academia, studying a PhD will give you the expertise and skills required to advance your career in a wide range of professions, vocations and businesses.

Doctoral Training Partnership (DTP)

The Institute for Design Innovation participates in the *AHRC techné DTP*, in partnership with eight institutions from across the South East. The programme aims to support outstanding students pursuing the 'craft' of research through innovative, interdisciplinary approaches with an emphasis on creativity and practice.

Taught programmes

Design and Branding

MA

Full-time length: 1 year

Part-time length: Up to 4 years

Entry requirements: A 2:2 honours degree (or equivalent international qualification) in design, innovation, business, media, technology or a related subject. Applicants from non-design backgrounds must have achieved 55% or above in their final year.

Fees: UK: £11,500 International: £26,500

Programme overview

Our MA Design and Branding will provide you with a broad understanding of the management of brands and design as a strategic communication asset. Businesses and organisations are increasingly becoming more transparent and look for new ways to engage with their customers, employees and wider society. In this context, understanding and managing the image, brand and communications becomes increasingly important.

You will develop your analytical and research skills in this space through undertaking several projects that draws on the concepts and theories of management, identity and branding.

Modules

You can expect to study modules which focus on the following topics: design strategy and branding; innovation through design; research through design; culture and communication; business strategy and market analysis. You will have several optional modules to choose from on topics of experience design, technology and service design. You will also complete a collaborative project and a dissertation.

How you will be assessed

You can expect to complete essays and reports of varying lengths, as well as presentations, proposals and pitches in some cases. For information about the assessments you will be expected to complete for each module, please see the module list for this programme online.

How you will study

You will study through a series of lectures, seminars, supervised project work and independent study. You will also have the opportunity to take part in guest lectures and seminars on a range of topics.

Career prospects

This programme will provide you with the skills and knowledge to enhance your career prospects in brand design and management, strategic and visual communications and strategy and market analysis. If you are looking to learn more about brands and the communicative role of design, enhance your understanding of the strategic impact of design in its broader context and work in multi-disciplinary and interdisciplinary design teams, this programme is for you.

Design Innovation

MA/MSc

Full-time length: 1 year

Part-time length: Up to 4 years

Entry requirements: A 2:2 honours degree or equivalent international qualification in design, innovation, business, media, technology or a related subject. Applicants from non-design backgrounds must have achieved 55% or above in their final year.

Fees: UK: £11,500 International: £26,500

Programme overview

Our Design Innovation MA/MSc programme will help you engage with design and innovation as drivers for change in organisations, generating insight from across the creative and strategic domains.

You will have access to the latest knowledge, debates and issues in design and innovation, enhancing your creative, strategic and collaboration skills through a mixture of active learning and project work.

Each module will develop your design innovation knowledge by analysing and evaluating current practices, issues and debates and responding to genuine industry challenges. Taking part in projects with real organisations will provide you with experience of working in cross-cultural and interdisciplinary design teams, facilitating the development of skills that are essential across a range of disciplines.

Modules

You can expect to study modules which focus on the following topics: design innovation in organisational contexts; design thinking; design research; managing design in organisations; creating design futures; and designing services and strategy. You will also complete a collaborative project and a dissertation.

How you will be assessed

You can expect to complete essays and reports of varying lengths, as well as presentations, journal entries and projects. For information about the assessments you will be expected to complete for each module, please see the full module list for this programme online.

How you will study

You will study through a series of lectures, seminars, group tasks, project work and independent study. You will also have the opportunity to take part in guest lectures and projects on a range of topics.

Career prospects

You will graduate with advanced knowledge of design innovation in organisational contexts. Your skills and experience will be best suited to senior positions within design and branding consultancies, as well as in-house design and marketing departments.

Design Innovation Management

MSc

Full-time length: 1 year

Part-time length: Up to 4 years

Entry requirements: A 2:2 honours degree or equivalent international qualification in design, innovation, business, media, technology or a related subject. Applicants from non-design backgrounds must have achieved 55% or above in their final year.

Fees: UK: £11,500 International: £26,500

Programme overview

The Design Innovation Management MSc programme will enhance your design skills and develop interdisciplinary knowledge through both theoretical and practical modules on a range of topics relevant to contemporary design management issues.

The interdisciplinary blend of design and management in this programme will enable you to develop critical approaches and practices that enhance your effectiveness as a designer, to enable you to pursue a broad range of design management careers in the private and public sectors relevant to the world of today.

You will learn the value of collaborative behaviour and teamwork through modules such as the collaborative project, and will gain an insight into the inner workings and pressures facing real world contexts.

Modules

You can expect to study modules which focus on the following topics: innovation through design; principles of international management; corporate social responsibility and sociology of work; research through design; examining design futures; and service design and strategy. You will also complete a collaborative project and a dissertation.

How you will be assessed

You can expect to complete essays and reports of varying lengths, as well as presentations, proposals and pitches in some cases. For information about the assessments you will be expected to complete for each module, please see the module list for this programme online.

How you will study

You will study through a series of lectures, seminars, supervised project work and independent study. You will also have the opportunity to take part in guest lectures and seminars on a range of topics.

Career prospects

This programme will enhance your career prospects and prepare you for roles in innovation management. On completion, you will have the skills to gain senior roles in the management of design, in social enterprise innovation, and in research, development and technology.

Service Design Innovation

MSc

Full-time length: 1 year

Part-time length: Up to 4 years

Entry requirements: A 2:2 honours degree (or equivalent international qualification) in design, innovation, business, media, technology or a related subject. Applicants from non-design backgrounds must have achieved 55% or above in their final year.

Fees: UK: £11,500 International: £26,500

Programme overview

Our MSc Service Design Innovation programme explores the makeup of a successful service design manager/consultant and looks to uncover how service design innovation behaviour and skills can influence and inform the design innovation processes.

You will have the opportunity to enhance your service design skills and knowledge through theoretical and practical application, individually and in multi-disciplinary and interdisciplinary teams. As well as develop your professional collaborative behaviour through active learning and teamwork, you will analyse and evaluate problems and respond to challenges in real-time. These projects will provide you with the experience of working in cross-cultural and design-driven teams, facilitating the development of skills that are increasingly required by the industry.

Modules

You can expect to study modules that focus on the following topics: service design innovation/strategy, design thinking, research through design; design in organizations, experience design and creative business models. You will also complete a collaborative project and a dissertation.

How you will be assessed

You can expect to complete essays and reports of varying lengths, as well as presentations, proposals and pitches in some cases. For information about the assessments you will be expected to complete for each module, please see the module list for this programme online.

How you will study

You will study through a series of lectures, seminars, supervised project work and independent study. You will also have the opportunity to take part in guest lectures and seminars on a range of topics.

Career prospects

This programme will provide you with the skills and knowledge to enhance your career prospects in service design management and innovation, service design strategy, service design research and social innovation as future design management researchers, consultants and managers. Innovation projects will provide you with the experience of working in cross-cultural and design-driven teams, facilitating the development of critical thinking skills that are increasingly required by the industry. If you are looking to learn how to manage and explore opportunities within the private, public, and the third sector, this programme is for you.

31ST
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ART & DESIGN
QS WORLD RANKINGS
BY SUBJECT 2021



Pink

Digital Marketing MSc

“The University allows you to collaborate with renowned companies which I’ve found to be a vital part of my personal development and will benefit me in my future career.”

Our programmes

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Digital Technologies

The Institute for Digital Technologies offers teaching and research excellence across all major areas of digital technologies.

These include the latest advances in Artificial Intelligence and Data Analytics (applied to sports, intelligent mobility, security and privacy, marketing and finance, human behaviour analysis, and other application areas), Internet of Things, cyber security, immersive and interactive applications for 5G systems.

The Institute for Digital Technologies is committed to building strong collaborations with academics, researchers and industrial organisations. Some of these collaborators include British Telecom, BT Sport, PTV Group, Chelsea Football Club, Huawei Technologies and many others.

London is one of the top cities in the world for developing the latest advances in technology, media, business and finance, and offers a unique learning environment for anyone who shares a passion for digital technologies.

Outstanding teaching and research

Each programme offers teaching from the most influential thought leaders, pioneering researchers and creative innovators to expose students to the latest theories and developments from across the discipline. Programmes are shaped by the principles and discoveries of our current research, and students are encouraged to participate in development projects and industry-focused work experience opportunities where possible.

PhD students within the Institute for Digital Technologies are provided with unrivalled access to industry partners and participate in large-scale national and international collaborative projects. With access to extensive software and equipment, as well as a dedicated research facility complete with hot desks, kitchen and social area, it is easy to see why the Institute boasts an exceptional postgraduate research experience.



TOP CITY FOR
DIGITAL ENTREPRENEURS
EUROPEAN DIGITAL
CITY INDEX 2016



TOP 15
IN THE UK
FOR ELECTRONIC AND
ELECTRICAL ENGINEERING
THE GUARDIAN
UNIVERSITY GUIDE 2021

Research opportunities

PhD: 3 years full-time; 6 years part-time

Entry requirements: A 2:1 honours degree or equivalent international qualification.

Fees: UK: see website International: £25,100

The Institute for Digital Technologies offers research expertise and experience in a wide range of subject areas. Our academics are leading researchers in their field, and are extremely well-networked with professionals in a range of industries and sectors.

By pursuing postgraduate research, students will have the opportunity to work with top researchers and industry leaders, and gain first-hand experience of real life problem-solving. Our aim is to create a vibrant, enthusiastic and forward-thinking community, where world-leading academics and talented students work closely together to research world-leading digital technology applications and solutions.

Prospective students with a desire to conduct high quality research, push the frontiers of knowledge and create a real impact are encouraged to contact the Institute for Digital Technologies before submitting an application.

Our areas of research

Current research within the Institute focuses on several themes, some of which are:

Intelligent and Autonomous Systems

Multi-modal data processing and fusion to support robust decision making in autonomous systems, trustworthiness in autonomous systems, explainable Artificial Intelligence approaches, applications of autonomous systems in areas including transport, healthcare and assisted living, manufacturing, finance.

Market Intelligence and Personalised E-Commerce

Consumer decision making, perception and trust triggered by virtual presentation and information disclosure, consumer profiling and digital psychological metrics through online user activity, social network analysis and insight generation, recommendation algorithms and their impact on consumer choices.

Sports Analytics and Artificial Intelligence in Sports

Multi-modal data processing and analysis for insight generation into physical athlete performance, tactical performance and risk factors, understanding of team level tactics and decision-making patterns through computer vision and machine learning models.

Human Behaviour Analysis and Human-Computer Interfaces

Affective computing, emotion and cognitive state recognition through computer vision and biometric signal processing techniques, activity recognition and monitoring, event detection.

Trust, Identity, Privacy and Security

Privacy-preserving data processing techniques, advanced cryptographic techniques, user activity and modelling, identification, evaluation and mitigation of emerging cyber-threats using advanced signal processing and machine learning methods.

Interactive and Immersive Multimedia Systems

Processing, transmission and evaluation of emerging high-volume multimedia formats, including Virtual Reality media such as omnidirectional and volumetric video formats, Ultra High Definition media, and immersive audio formats, network design for delivering interactive and immersive multimedia applications, quality evaluation for emerging media applications.

Career prospects

As well as providing a route into academia, studying a PhD will give you the expertise and skills required to advance your career in a wide range of professions, vocations and businesses.

Taught programmes

Artificial Intelligence and Data Analytics

MSc

Full-time length: 1 year

Part-time length: Up to 4 years

Entry requirements: 2.2 honours degree or equivalent international qualification in a range of disciplines, including digital technologies, engineering, mathematics, science, finance, economics and marketing. Applicants from other disciplines such as business, management, and social sciences subjects, are welcome to apply and will be considered on a case by case basis.

Fees: UK: £11,500 International: £26,500

Programme overview

This MSc programme is aimed at providing students with a comprehensive understanding of data analytics and applied AI in the digital age and developing their skills to address associated challenges with the use of AI and Data Analytics tools in the most effective way. The programme delivers techniques in AI and Data Analytics with a foundation in mathematical principles and computer programming to provide the students with a unique offering.

Modules

You will have the opportunity to study the modules that focus on the following topics: foundations of Artificial Intelligence (AI) and data analytics; principles of data science; digital application development; advanced visualisation and programming techniques; reinforcement learning, advanced big data analytics; Internet of Things and applications; cyber security and forensics; information management; media processing; cloud applications and services. You will have the option to do a collaborative project and you will need to complete a dissertation.

How you will be assessed

You will complete a combination of written and practical assessments, which will vary depending on the module choices you make. You can expect to complete coursework and exams, as well as presentations, projects and reports.

How you will study

You will study through a series of lectures, seminars, group tasks, project work and independent study. You will also have the opportunity to take part in guest lectures and projects on a range of topics.

Career prospects

This programme will provide you with the skills essential to the different industrial sectors that utilise AI and data analytics. These include but are not limited to: business sectors such as banking, marketing, engineering, cyber security and finance, large corporations with sources of big data, consultancies that work within different industries.

Cyber Security and Data Analytics

MSc

Full-time length: 1 year

Part-time length: Up to 4 years

Entry requirements: A 2:2 honours degree or equivalent international qualification in electronics, computing, physics, mathematics or a related discipline.

Fees: UK: £11,500 International: £26,500

Programme overview

The Cyber Security and Data Analytics MSc is aimed at providing students with key skills to respond to imminent and emerging cyber-threats faced by today's digitalised world.

This programme has been designed to master the use of Data Analytics in Cyber Security. You will be provided with the principles of deep learning and neural networks for cyber-threat mitigation, advanced encryption methods to protect data privacy and digital forensics to investigate cyber-attacks.

You will be given the opportunity to participate in major technology projects within the Institute and optional industrial internship opportunities will also help to bring you up to date with the latest knowledge and skills required in the sector.

Modules

You will have the opportunity to study modules which focus on the following topics: principles of data science; applied cryptography; information systems security; cybersecurity and forensics; advanced big data analytics; information management; Internet of Things and applications; cloud applications and services; media processing; and digital application development. You will have the option to do a collaborative project and you will need to complete a dissertation.

How you will be assessed

You will complete a combination of written and practical assessments, which will vary depending on the module choices you make. You can expect to complete coursework and exams, as well as presentations, projects and reports. For more information, please see the module list for this programme online.

How you will study

You will study through a series of lectures, seminars, group tasks, project work and independent study. You will also have the opportunity to take part in guest lectures and projects on a range of topics.

Career prospects

You can expect to enter senior roles in a wide range of digital sectors and other businesses that rely on the Internet and cloud technologies, including but not limited to: finance, communications, marketing, commerce, as well as government organisations and other sectors handling large volumes of sensitive and personal data.

Digital Creative Media

MSc

Full-time length: 1 year
Part-time length: Up to 4 years

Entry requirements: A 2:2 honours degree or equivalent international qualification.

Fees: UK: £11,500 International: £26,500

Programme overview

The Digital Creative Media MSc is aimed at providing students with digital and creative skills across many media platforms, applicable to various sectors. Specially crafted topics included in the programme focus on gaming technologies, media production and creative media design and practices, digital application development, digital creative media audiences, markets and industries, all of which are taught by leading experts in these areas. You will also benefit from experiences in 3D creative media and studio environments.

The programme will include applied examples of pioneering research and offer innovative projects and industrial placement opportunities to bring you up to date with the latest knowledge and skills required in this rapidly changing domain.

Modules

You will have the opportunity to study modules which focus on: media design and production; digital media and creative industries; advanced 3D media environments; gaming technologies and systems; digital application development; media processing; Internet of Things and applications; cloud technologies and systems; cloud applications and services; digital media audiences and markets; design practices in digital industries; and social identities and media. You will have the option to do a collaborative project and you will need to complete a dissertation.

How you will be assessed

You will complete a combination of written and practical assessments, which will vary depending on the module choices you make. You can expect to complete essays and exams, as well as presentations, projects and reports. For more information, please see the module list for this programme online.

How you will study

You will study through a series of lectures, seminars, group tasks, project work and independent study. You will also have the opportunity to take part in guest lectures and projects on a range of topics.

Career prospects

Graduating from the Digital Creative Media MSc programme will provide you with several career pathways in a range of media and creative industries and related sectors, such as music, TV, film and other media content production, studio management, gaming, broadcasting, digital media and virtual/augmented reality applications. You will also have the knowledge and skills required for a career path in academia and/or research.

Digital Finance

MSc

Full-time length: 1 year
Part-time length: Up to 4 years

Entry requirements: A 2:2 honours degree or equivalent international qualification.

Fees: UK: £11,500 International: £26,500

Programme overview

The Digital Finance MSc is aimed at providing students with a comprehensive understanding of finance in the digital age and developing their skills to address associated challenges with the use of digital technologies in FinTech and related domains to optimise the financial market intelligence.

The programme combines finance rationales with complementary digital technologies to provide students with a unique academic experience. Important financial themes, methods and principles are combined with the latest teaching on Data Analytics, Internet of Things, Cloud Systems, Cyber Security, and other emerging digital technologies and trends.

Modules

You will have the opportunity to study modules which focus on: financial technologies; finance principles; principles of data science; foundations of Artificial Intelligence and data analytics; information management; digital application development; statistical methods in finance; cloud technologies and systems; cloud applications and services; digital technologies for market analysis; information systems security; advanced big data analytics; gaming technologies and systems; and strategy and planning. You will have the option to do a collaborative project and you will need to complete a dissertation.

How you will be assessed

You will complete a combination of written and practical assessments. You can expect to complete essays and exams, as well as presentations, projects and reports. For more information, please see the module list for this programme online.

How you will study

You will study through a series of lectures, seminars, group tasks, project work and independent study. You will also have the opportunity to take part in guest lectures and projects on a range of topics.

Career prospects

This programme will provide graduates with employment skills essential to the digital finance related sectors, such as banking, accountancy, financial insight generation and managing financial and security risks in the digitalised world. It will also provide graduates with an overarching view of the context in which today's digital economies, international banking, trade and portfolio management businesses and societies operate, including the technological and social challenges faced by the finance-based professions.

Digital Innovation Management

MSc

Full-time length: 1 year
Part-time length: Up to 4 years

Entry requirements: A 2:2 honours degree or equivalent international qualification.

Fees: UK: £11,500 International: £26,500

Programme overview

The Digital Innovation Management MSc is aimed at providing students with a unique opportunity to combine knowledge of digital innovation with management insights and strategies, enabling you to stay ahead of one of the fastest evolving trends in the world. You will be equipped with highly sought-after skills of entrepreneurship and digital technologies in setting up and managing technology-based or other businesses and enterprises.

Through this programme, you will gain advanced knowledge to drive digital innovations and inventions, and effectively generate business and revenue generating ventures. This will include patenting to secure inventions, prototyping to increase market interests and added value, and to decide on licensing, spinning out a company or both. This unique programme combines essential digital technologies knowledge with business insights and strategy skills, also enabling you to increase business efficiency, reduce operational costs, access wider markets and increase revenues.

Modules

You will have the opportunity to study the following topics: Introduction to digital technologies, innovation management; Internet of Things and applications; information management; cloud technology and systems; entrepreneurship; strategy and planning; principles of data science; foundations of artificial intelligence and data analytics; advanced big data analytics; digital application development; and intellectual property. You will have the option to do a collaborative project and you will need to complete a dissertation.

How you will be assessed

You will complete written and practical assessments. You can expect to complete essays and exams, as well as presentations, proposals, projects and reports in some cases. For more information, please see the module list for this programme online.

How you will study

You will study through a series of lectures, seminars, supervised project work and independent study. You will also have the opportunity to take part in guest lectures and seminars on a range of topics.

Career prospects

Graduates of this programme will possess the technical ability and management skills to launch their own digital start-ups. Others may join a start-up or other established tech-focused enterprises.

Digital Marketing

MSc

Full-time length: 1 year
Part-time length: Up to 4 years

Entry requirements: A 2:2 honours degree or equivalent international qualification.

Fees: UK: £11,500 International: £26,500

Programme overview

The Digital Marketing MSc is aimed at providing students with a comprehensive understanding of principles of digital contemporary marketing practices, which will allow you to address associated challenges in the ever-changing business landscape.

You will receive insight and experience on brand management and digital marketing strategies, covering content marketing, website marketing, social media marketing, mobile marketing, and more. You will graduate with the key knowledge and skills required to enter a variety of roles of digital marketing professionals to fully understand the strategies and techniques of market research and analysis, strategic marketing, consumer engagement, marketing communication, and international marketing.

Modules

You will have the opportunity to study modules which focus on the following topics: strategic marketing management; digital practices for customer engagement; digital technologies for market analysis; international marketing; introduction to digital technologies; digital media audiences and markets; design practices in digital industries; strategy and planning; gaming technologies and systems; information management; principles of data science; and foundations of Artificial Intelligence and data analytics. You will have the option to do a collaborative project and you will need to complete a dissertation.

How you will be assessed

You will complete a combination of written and practical assessments, which will vary depending on the module choices you make. You can expect to complete essays and exams of varying lengths, as well as presentations, projects and reports. For more information, please see the module list for this programme online.

How you will study

You will study through a series of lectures, seminars, group tasks, project work and independent study. You will also have the opportunity to take part in guest lectures and projects on a range of topics.

Career prospects

Graduates will be equipped with the latest insights into consumer behaviour and business operations online, and will be well placed to enter senior roles in brand management, marketing communications, social media marketing and digital marketing.

Digital Media and Advertising

MSc

Full-time length: 1 year

Part-time length: Up to 4 years

Entry requirements: A 2:2 honours degree or equivalent international qualification.

Fees: Please see website for details.

Programme overview

The Digital Media and Advertising MSc is aimed at providing students with the necessary skill sets for developing highly effective digital advertising strategies through understanding the characteristics of digital audiences and engaging them with creative representations of digital and interactive media.

This programme combines the principles of digital advertising with digital media analytics and creative representations of digital media to qualify students in the global digital transformation and put them at the forefront of this fast-developing and diverse field.

Modules

You will have the opportunity to study modules on the following topics: digital media analytics, principles of digital advertising, creative representations of digital media, digital media publishing regulations and governance, digital media audiences and markets, digital technologies for market analysis, digital practices in customer engagement, strategy and planning, principles of data science, media design and production and information management. You will have the option to do a collaborative project and you will need to complete a dissertation.

How you will be assessed

You will complete a combination of written and practical assessments. You can expect to complete essays and exams, as well as presentations, projects and reports. For more information, please see the module list for this programme online.

How you will study

You will study through a series of lectures, seminars, project work and independent study. You will also have the opportunity to take part in guest lectures and seminars on a range of topics.

Career prospects

This MSc will prepare you for exciting career opportunities in diverse areas including: large marketing and sales corporations, marketing agencies, banking and financial product selling organisations, public opinion and polling organisations, non-governmental organisations and other customer-facing digital platforms.



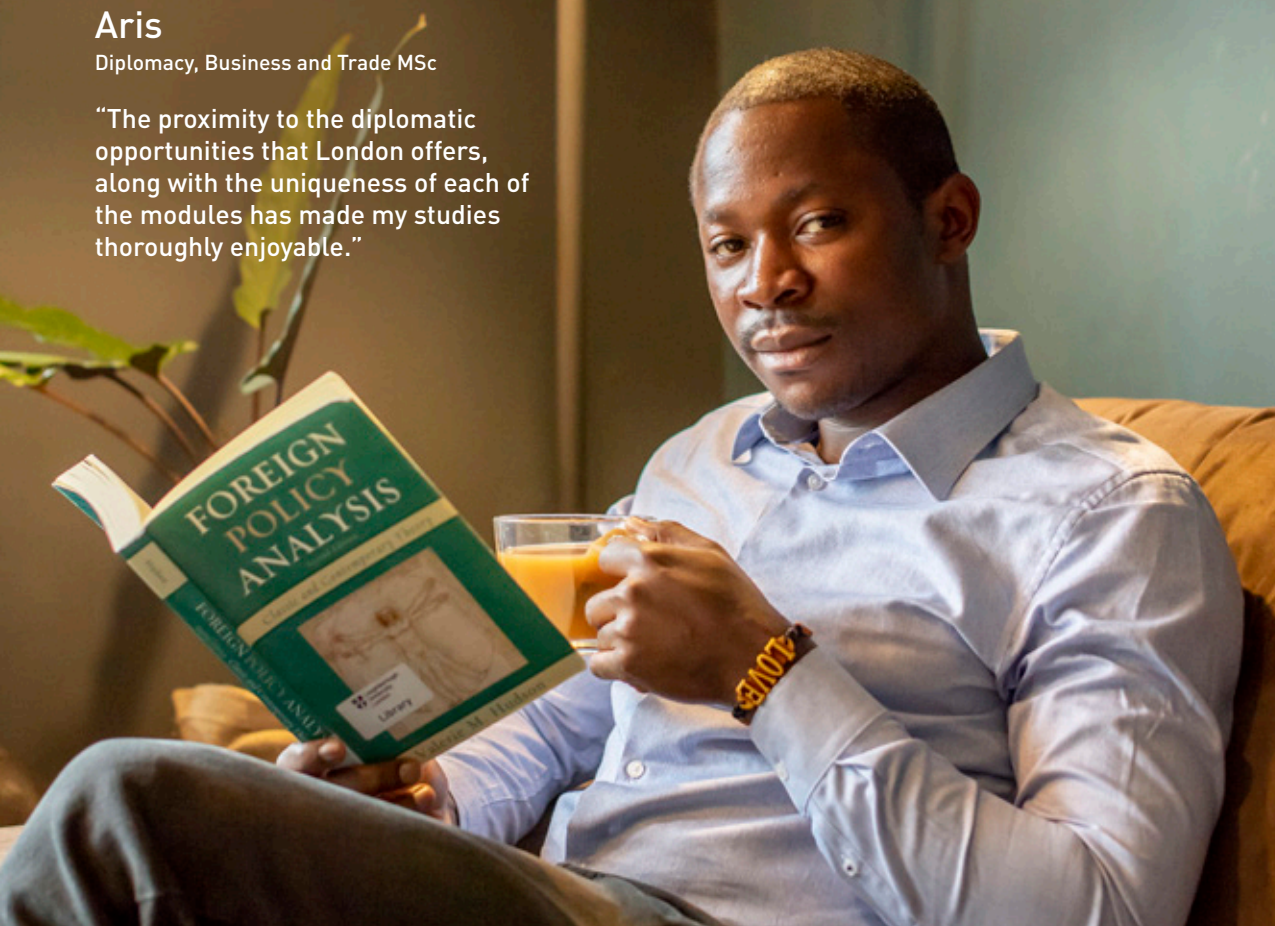
**HANDS-ON
CONSULTANCY
EXPERIENCE**
INTEGRATED THROUGH THE
COLLABORATIVE PROJECT MODULE



Aris

Diplomacy, Business and Trade MSc

“The proximity to the diplomatic opportunities that London offers, along with the uniqueness of each of the modules has made my studies thoroughly enjoyable.”



Our programmes

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Diplomacy and International Governance

The Institute for Diplomacy and International Governance offers master's programmes that keep pace with the changing realities of today's world. The Institute works with our students to develop tools to grasp these facts of international life, and to prepare students for careers in many professions.

Loughborough University London is situated within easy reach of London's principal diplomatic missions, government departments and media and financial centres, alongside the headquarters of many major multinational organisations. Our London location means you will have the opportunity to build a professional learning experience that is tailored to your future career goals.

Outstanding teaching and research

Our programmes are designed to involve you with many different aspects of contemporary diplomacy and international governance. Experts from academia, government and industry will share their insights (and secrets, in some cases) to guide and support your own discoveries and learning.

You will work collaboratively with academic staff and each other to enrich your studies, and will have the opportunity to become experts in topical issues such as the repercussions for global politics and trade of the UK's exit from the EU (Brexit) or the Covid-19 health pandemic.

Our academics are renowned for their research and insights into some of the world's most pressing issues and trends, including digital diplomacy, international negotiations, peace-building and security, the governance and diplomacy of global cities, the leadership of crisis and the politics of minority representation. We work with our students to develop their professional skills in multi-stakeholder negotiations, advocacy and public affairs amongst others.



DISCOVER THE LATEST RESEARCH EXPLORING GLOBAL SECURITY, INTERNATIONAL TRADE TALKS, AND DIGITAL DIPLOMACY

4TH

4TH IN THE UK FOR GRADUATE PROSPECTS IN POLITICS
THE COMPLETE UNIVERSITY GUIDE 2021



TOP 10 FOR TEACHING QUALITY IN POLITICS
THE TIMES AND SUNDAY TIMES GOOD UNIVERSITY GUIDE 2021



ACADEMIC EXPERTISE IN BILATERAL DIPLOMACY AS WELL AS MULTI-STAKEHOLDER NEGOTIATIONS

Research opportunities

PhD: 3 years full-time; 6 years part-time

Entry requirements: A master's qualification or equivalent in a relevant subject and a good honours degree in a relevant discipline (minimum 2:1). In exceptional cases, substantial professional work experience/ qualifications may also be taken into consideration.

Fees: UK: see website International: £19,200

Research is at the heart of the Institute for Diplomacy and International Governance. We bring interdisciplinary and innovative thinking to real-world, international problems. Our research networks include academics from around the world as well as professionals working outside of academia. Our London campus, with its entrepreneurial emphasis, facilitates easy access to decision-makers and practitioners of all kinds.

If you are interested in addressing complex, international issues and developing your professional research skills, then pursuing a PhD in the Institute for Diplomacy and International Governance could be for you.

By undertaking a PhD with us, you will have the opportunity to work with top researchers and their professional networks, and gain first-hand experience of real life problem-solving.

Our areas of research

Academics from the Institute for Diplomacy and International Governance offer research expertise and experience in a wide range of subject areas. They are extremely well-networked with professionals outside of academia in their respective fields.

Since our beginnings in 2017 we have tracked the negotiation of the UK's withdrawal from the EU (Brexit), and asked many questions about the future of the EU on the world scene. Take a look at our blog for examples. <https://blog.lboro.ac.uk/london/diplomatic-studies>

We have explored the significance of Covid-19 for global security, political leadership and citizens' protest. You can find out more in our mini series: The effect of COVID-19 on diplomacy. borolondon.ac.uk/institutes/diplomacy-international-governance/mini-series-covid-diplomacy

Through our programme of visiting speakers in 2020-21, we exchanged ideas on topics including minority rights and structural discrimination, digital diplomacy, China's interests in the Mediterranean, sports diplomacy, gender and international security, and the value of 'imagined conflicts' as an educational tool in conflict resolution. Take a look at our IDIG Speaker Series to find out more. borolondon.ac.uk/institutes/diplomacy-international-governance/idig-speakers-series

In 2021-22 we will scrutinise the UK's climate diplomacy and our PhD students will begin to deliver their findings in fields ranging from UK public policy regarding radicalisation and extremism; the Europeanisation of Northern Ireland's political identity in the time of Brexit; narratives and myths of contemporary Polish foreign policy; public diplomacy and women's empowerment in Ukraine; foreign policy and domestic Turkish politics, and experimentalist governance in Europe in times of crisis. Take a look at our doctoral researchers section to find out more. borolondon.ac.uk/institutes/diplomacy-international-governance/doctoral-researchers

Career prospects

As well as providing a route into academia, studying a PhD will give you the opportunity to develop the expertise and skills required to advance your career in a wide range of professions, vocations and businesses.

Taught programmes

Diplomacy and International Governance

MSc

Full-time length: 1 year

Part-time length: Up to 4 years

Entry requirements: A 2:2 honours degree or equivalent international qualification in a wide range of subjects.

Fees: UK: £11,500 International: £22,100

Programme overview

This programme provides the most choice, allowing you to tailor your programme closely to your own goals and interests where both your studies and your career are concerned.

Modules

You will have the opportunity to study modules including: diplomacy in the digital age; politics in times of crisis; international negotiations and foreign policy analysis; and to choose modules from international security; international political economy and trade; BRICS and the changing world order; global cities in diplomacy and international governance; peacebuilding; media, social movements and politics; and corporate governance, state and development. You will also complete a collaborative project and a dissertation.

How you will be assessed

You can expect to complete essays and reports of varying lengths, as well as presentations, proposals and pitches in some cases. Time-limited assignments may also form a small part of the assessment mix. For information about the assessments you will be expected to complete for each module, please see the module list for this programme online.

How you will study

You will study through a series of lectures, seminars, project work and independent study. You will also have the opportunity to take part in guest lectures and seminars on a range of topics.

Career prospects

Graduates of this programme will be equipped with the advanced skills and expertise in order to pursue careers in diplomacy, negotiations, advocacy, lobbying, public affairs, political analysis, communications and other related fields in state and non-state organisations.

Diplomacy, Politics and Trade

MSc

Full-time length: 1 year

Part-time length: Up to 4 years

Entry requirements: A 2:2 honours degree (or equivalent international qualification) in a wide range of subjects.

Fees: UK: £11,500 International: £22,100

Programme overview

Diplomacy, Politics and Trade are never far from the world's headlines. In this programme you will join the dots between them, studying the consequences of political choices for all kinds of trade; exploring the balance between politics, diplomacy and trade in response to crisis; examining the impact of scandal and sleaze in sports and many other areas of public life; and scrutinizing the political trade in truth and lies. You will develop the skills, knowledge and understanding needed to operate professionally across cultures as well as time zones.

Modules

You will have the opportunity to study modules including: politics in times of crisis; international negotiations; diplomacy in the digital age; international political economy and trade; comparative political economy; media, social movements and politics; plus a choice between global cities in diplomacy and international governance; and BRICS and the changing world order. You will also complete a collaborative project and a dissertation.

How you will be assessed

You can expect to complete essays and reports of varying lengths, as well as presentations, proposals and pitches in some cases. Time-limited assignments may also form a small part of the assessment mix. For information about the assessments you will be expected to complete for each module, please see the module list for this programme online.

How you will study

You will study through a series of lectures, seminars, project work and independent study. You will also have the opportunity to take part in guest lectures and seminars on a range of topics.

Career prospects

This programme prepares you for the many professional roles and careers where you will need a grasp of the complexity of your operating environment: in government service; international government and non-government organisations and institutions; public and private enterprise from multinational to local levels; policy-making and research consultancies and think-tanks; grass-roots movements and social enterprises.

Diplomacy, Business and Trade

MSc

Full-time length: 1 year

Part-time length: Up to 4 years

Entry requirements: A 2:2 honours degree or equivalent international qualification in a wide range of subjects.

Fees: UK: £11,500 International: £22,100

Programme overview

The challenges of trading in the multiple communities and markets that drive world commerce through new and old trade routes are dissected in this programme.

You will learn in an environment that is tailor-made to develop the skills needed to critically understand globalisation, and the knowledge of the current issues characterising relations between diplomacy, business, and international trade.

Modules

You will have the opportunity to study modules including: diplomacy in the digital age; politics in times of crisis; international negotiations; international political economy and trade; the BRICS in the changing world order; and corporate governance, state and development; and either global cities in diplomacy and international governance or comparative political economy. You will also complete a collaborative project and a dissertation.

How you will be assessed

You can expect to complete essays and reports of varying lengths, as well as presentations, proposals and pitches in some cases. Time-limited assignments may form a small part of the assessment mix. For information about the assessments you will be expected to complete for each module, please see the module list for this programme online.

How you will study

You will study through a series of lectures, seminars, project work and independent study. You will also have the opportunity to take part in guest lectures and seminars on a range of topics.

Career prospects

Graduates of this programme will be equipped with the skills and knowledge required to pursue careers in international business, business and corporate diplomacy, public affairs, advocacy, negotiations and political analysis for government, international organisations, non-governmental bodies, and businesses alike.

Security, Peace-building and Diplomacy

MSc

Full-time length: 1 year

Part-time length: Up to 4 years

Entry requirements: A 2:2 honours degree or equivalent international qualification in a wide range of subjects.

Fees: UK: £11,500 International: £22,100

Programme overview

This programme explores the link between national and global security, and the role of peace-building in the development of multi-layered communities and nations.

You will benefit from specialised, systematic and in-depth guidance focused on the relationship between diplomacy, international security and peace-building.

You will utilise appropriate theories, concepts and methods associated with this area, whilst exploring the relationships between development and peace-building, civil-military relations, cyber security, and the wider global security context in which politics, trading and conflicts occur.

Modules

You will have the opportunity to study modules including: peace-building; international security; international negotiations; politics in times of crisis; diplomacy in the digital age, and the BRICS and the changing world order, plus a choice between global cities in diplomacy and international governance; and media, social movements and politics. You will also complete a collaborative project and a dissertation.

How you will be assessed

You can expect to complete essays and reports of varying lengths, as well as presentations, proposals and pitches in some cases. Time-limited assignments may also form a small part of the assessment mix. For information about the assessments you will be expected to complete for each module, please see the module list for this programme online.

How you will study

You will study through a series of lectures, seminars, project work and independent study. You will also have the opportunity to take part in guest lectures and seminars on a range of topics.

Career prospects

Graduates from this programme will be ready to pursue a career in diplomacy (traditional and non-traditional), particularly in the areas of international security and peace-building. Graduates will also have the opportunity to enhance their knowledge and career prospects further by undertaking a PhD programme.

Risk, Governance and International Management

MSc

Full-time length: 1 year

Part-time length: Up to 4 years

Entry requirements: A 2:2 honours degree (minimum of 55% overall) or equivalent international qualification.

Fees: UK: £16,100 International: £27,600

Programme overview

Our Risk, Governance and International Management MSc is a joint degree from the Institute for International Management and the Institute for Diplomacy and International Governance.

By studying this programme, you will develop a comprehensive understanding of the strategies used by multinational companies to manage risks arising from their environment.

Please see p191 for more information.

Thanakorn

Entrepreneurship and Innovation Management MSc

“The enterprise team on campus is impressive – they regularly organise guest speakers and skills sessions to inspire us and improve our employability.”



Our programmes

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Entrepreneurship and Innovation Management MSc	p184
Entrepreneurship, Finance and Innovation MSc	p184
Managing Innovation in Creative Organisations MSc	p185

Innovation and Entrepreneurship

The Institute for Innovation and Entrepreneurship is committed to delivering challenging, career-enhancing programmes that look to offer real value to individuals and organisations across the globe.

The Institute combines expert teaching and research support alongside an exciting series of masterclasses and public lectures from international business leaders across the world.

Each programme encourages students to develop the knowledge and competences necessary to establish, grow and manage new entrepreneurial ventures, as well as recognise and exploit opportunities within established organisations. The Institute is fully committed to delivering research-led teaching and employs leading academics in the fields of entrepreneurship and innovation to fulfil this goal.

Inspiring location

London is one of the top cities in the world for business, finance and trade, and is a unique learning environment for students from the Institute for Innovation and Entrepreneurship to exploit.

There is a creative and entrepreneurial culture on campus, which has enabled students at Loughborough University London to achieve great things, like forge new business plans, grow niche new start-ups and share innovative solutions to business problems.

Students and staff enjoy working together as part of extracurricular, entrepreneurial teams and attend various conferences, competitions and hack events throughout the year.



15TH UNIVERSITY IN THE
UK BY NUMBER OF
SPIN-OUT COMPANIES
TECH NATION 2020



OUTSTANDING
ENTREPRENEURIAL
UNIVERSITY OF THE YEAR
TIMES HIGHER EDUCATION
AWARDS 2019

Research opportunities

PhD: 3 years full-time; 6 years part-time

Entry requirements: An 2:1 honours degree or equivalent international qualification.

Fees: UK: see website International: £19,200

The Institute for Innovation and Entrepreneurship works collaboratively with organisations from a number of industries and sectors. As well as providing access to primary data from a broad range of sources, these collaborations help to shape the research focus of the Institute and ensure research is delivering impact for industry and society.

The Institute for Innovation and Entrepreneurship is focused on understanding innovation and entrepreneurship in a variety of contexts. Current research explores how innovation may be harnessed to start, grow, and sustain organisations, and how entrepreneurial behaviour can address social problems in today's rapidly evolving world.

Our areas of research

The Institute for Innovation and Entrepreneurship is committed to delivering research that is academically excellent and adds social value by addressing some of the problems facing the world today.

This type of research is particularly relevant for those with a research interest in entrepreneurship and innovation. Our key areas of interest are listed below:

Corporate Governance

- state capitalism
- corporate governance: board structures
- comparative corporate governance
- corporate data responsibility and big data
- executive compensation, executive turnover and impact on decision-making

Digital Innovation

- digital enterprise
- online entrepreneurial activity

Disruptive Technologies

- redistributed manufacturing
- maker-spaces
- big data
- data-enabled capabilities
- Internet of Things

Entrepreneurship and Innovation

- formal and informal entrepreneurship
- university spin-outs
- contextual influences on strategic entrepreneurship
- corporate entrepreneurship
- social entrepreneurship
- creative and cultural industries enterprise
- ethnic minority enterprise
- gender, intersectionality and entrepreneurship
- business model innovation
- entrepreneurship ecosystem
- innovation ecosystem

Family Businesses

The impact of 'family' on firm strategy, decision-making, and ultimately firm survival including but not limited to:

- innovation and entrepreneurship
- new business formation
- governance including boards, trustees, and family councils
- corporate social responsibility
- the darker side of family firms (employee relations, family exit, firm failure)

Career prospects

As well as providing a route into academia, studying a PhD will give you the expertise and skills required to advance your career in a wide range of professions, vocations and businesses.

Taught programmes

Digital Entrepreneurship

MSc

Full-time length: 1 year

Part-time length: Up to 4 years

Entry requirements: A 2:1 honours degree or equivalent international qualification.

Fees: Please see website for details.

Programme overview

Our MSc Digital Entrepreneurship programme gives you the opportunity to explore and reflect on what it takes to achieve, sustain and grow a business in the digital era.

The programme will provide you with a robust understanding of the digital innovation process, providing the skills and knowledge required to set up your own venture as well as developing a critical and deeper understanding of the complexities of the digital innovation process and what it means to be a digital entrepreneur and innovate both as an individual and as an organisation.

Modules

You will have the opportunity to study modules on the following topics: entrepreneurship, digital marketing and strategy, digital supply chain management, design thinking for innovation, digital entrepreneurship, data analytics tools in digital economy, digital finance, funding and crowdfunding and new venture creation. You will also complete a collaborative project and a dissertation.

How you will be assessed

You will be assessed through a combination of exams, coursework and presentations.

How you will study

You will study through a series of lectures, seminars, project work and independent study. You will also have the opportunity to take part in guest lectures and seminars on a range of topics.

Career prospects

If you are considering launching your own digital venture or working with small start-ups and would like expert advice and training on the skills required for success, then this is the programme for you.

Entrepreneurship and Innovation

MSc

Full-time length: 1 year

Part-time length: Not applicable

Entry requirements: A 2:1 honours degree or equivalent international qualification.

Fees: Please see website for details.

Programme overview

This is a joint-delivery programme between IESEG Business School (Paris) and Loughborough University London.

This programme critically analyses entrepreneurial attitudes in individuals and organisations, giving you the opportunity to evaluate factors affecting the success of new venture creation and the innovation process. The programme will provide you with action-based learning to develop insights into the complexity of the entrepreneurial and innovation process by analysing and evaluating real-world problems and responding to them in a timely manner.

For more information please visit:

www.ieseg.fr/en/msc-entrepreneurship-innovation

Modules

You will have the opportunity to study modules on the following topics: new venture creation, designing innovation for the future, funding, entrepreneurship and capitalism, corporate governance, international HRM, creative business modelling, design thinking, innovation management and entrepreneurial funding. You will also complete a collaborative project and a 4-6 month internship or work experience.

How you will be assessed

You will be assessed through a combination of exams, coursework and presentations.

How you will study

You will study through a series of lectures, seminars, project work and independent study. You will also have the opportunity to take part in guest lectures and seminars on a range of topics.

Career prospects

This programme's multi-sector and multidisciplinary approach prepares students for a wide range of careers. Examples include: Business Consultants, Business Developer Entrepreneur, Entrepreneurship Professional Support, Innovation Manager and Research and Development Manager.

Entrepreneurship and Innovation Management

MSc

Full-time length: 1 year
Part-time length: Up to 4 years

Entry requirements: Minimum of a 2:2 (55% or above) or equivalent international qualification.

Fees: UK: £16,100 International: £27,600

Programme overview

This programme will give you an in-depth understanding of the importance of an entrepreneurial attitude and opportunity recognition. You will also critically evaluate factors affecting the success of innovations in start-ups and established organisations.

You will gain an understanding of what investors look for in entrepreneurs, managers and organisations, and you will discover the types of funding available. Your research, communication, leadership and teamworking skills will enable you to compete effectively in a contemporary, dynamic business environment.

Modules

You will have the opportunity to study modules which focus on the following topics: innovation management; entrepreneurship; new venture creation; funding; family businesses; intellectual property; strategic and market analysis; institutional foundations of capitalism and entrepreneurship; creative business models; and understanding organisational failure. You will also complete a collaborative project and a research-based dissertation which can be independent or project-based with an organisation.

How you will be assessed

You can expect to complete essays and reports of varying lengths, as well as presentations, projects and case studies. For information about the assessments you will be expected to complete for each module, please see the module list for this programme online.

How you will study

You will study through a series of lectures, seminars, project work and independent study. You will also have the opportunity to take part in guest lectures and seminars on a range of topics.

Career prospects

Graduates will possess the knowledge and expertise required to set up their own venture, and will also have the skills needed to progress into roles involving research and design management, product development, market research and corporate management.

Entrepreneurship, Finance and Innovation

MSc

Full-time length: 1 year
Part-time length: Up to 4 years

Entry requirements: Minimum of a 2:2 (55% or above) or equivalent international qualification. Certain optional modules require knowledge of algebra, introductory concepts of probability and basic maths.

Fees: UK: £16,100 International: £27,600

Programme overview

Our Entrepreneurship, Finance and Innovation MSc analyses the entrepreneur, the innovation process and the role of financial support when creating, growing and sustaining start-up companies and organisations.

This programme will give you the skills and knowledge needed to assess market needs and develop new and improved products. To put your new skills and experiences into practice, you will spend the duration of a module with a group of students to solve a real social or business problem.

The latest research on innovation and entrepreneurship feeds directly into the curriculum. This includes research into family businesses, venture capital and private equity, digital entrepreneurial activity, social network analysis, social entrepreneurship, governance, executive compensation and crowdfunding.

Modules

You will have the opportunity to study modules on the following topics: innovation management; entrepreneurship; strategy and market analysis; funding; governance for startup companies; and new venture creation. You will also complete a collaborative project and a research-based dissertation which can be independent or project-based with an organisation.

How you will be assessed

You can expect to complete essays and reports of varying lengths, as well as presentations, projects, case studies and exams. For information about the assessments you will be expected to complete for each module, please see the module list for this programme online.

How you will study

You will study through a series of lectures, seminars, project work and independent study. You will also have the opportunity to take part in guest lectures and seminars on a range of topics.

Career prospects

Graduates will have an understanding of the scalable finance models required to set up their own venture, and will possess the skills required to work in finance management positions within a company of any size.

Managing Innovation in Creative Organisations

MSc

Full-time length: 1 year
Part-time length: Up to 4 years

Entry requirements: Minimum of a 2:2 (55% or above) or equivalent international qualification.

Fees: UK: £16,100 International: £27,600

Programme overview

Our Managing Innovation in Creative Organisations MSc will encourage you to think analytically, plan strategically and act creatively to develop innovation processes in the creative industries.

Through academic and action-based learning, you will gain insight into the diverse environments in which creative industries exist and apply theory to assess and investigate the complex factors affecting the innovation process.

Future-orientated, user-focused design and strategy tools will help you to develop viable innovative and entrepreneurial solutions to social problems. Your research, communication, leadership and team-working skills will be developed through project-based learning, which will enhance your effectiveness in a contemporary business environment.

Modules

You will have the opportunity to study modules on the following topics: innovation management; design thinking for innovation; entrepreneurship; designing innovation for the future; intellectual property; new venture creation; creative business models; family businesses; institutional foundations of capitalism and entrepreneurship; and understanding organisational failure. You will also complete a collaborative project and a research-based dissertation which can be independent or project-based with an organisation.

How you will be assessed

You can expect to complete essays and reports of varying lengths, as well as presentations, projects and case studies. For information about the assessments you will be expected to complete for each module, please see the module list for this programme online.

How you will study

You will study through a series of lectures, seminars, project work and independent study. You will also have the opportunity to take part in guest lectures and seminars on a range of topics.

Career prospects

This programme will prepare you for a career in the creative industries, either as the founder of a new start-up, or as part of an established organisation or business.

Jue

International Management MSc

“Studying within the international and multi-cultural environment on campus and being part of the friendly postgraduate community, is what I have enjoyed most.”

Our programmes

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International Management

The Institute for International Management aims to become the leading centre for training and research into the successful management of international organisations across different national contexts.

The Institute is led by a team of highly ranked scholars with commanding knowledge of a range of aspects of international management. The Institute is actively engaged in international research projects concerning the globalisation of economic activity and the implications for patterns of work, sustainability, risk and governance. It has also developed considerable expertise and collaborations in a range of emerging market economies including Argentina, China, Brazil, and Kenya.

Innovative teaching and research

The Institute for International Management incorporates an interdisciplinary group of internationally renowned researchers covering various disciplines relevant to International Management. These areas include International Human Resource Management, Cross-cultural Management, Corporate Social Responsibility, Corporate Political Activity and Political Economy. The Institute has an impressive track record of securing grants from national and international research councils, and academic staff are often published in leading journals across many different fields.

Each programme offers teaching from world-leading academics and aims to deliver research-led teaching to its students. The Institute for International Management at Loughborough University London is committed to helping you develop the skills and attributes you need to progress successfully into a wide range of management careers.

Inspiring location

London, one of the world's leading hubs for global business and trade, is the ideal location for students to expand their knowledge, expertise and networks. Our inspiring location offers a unique learning environment for anyone who shares a passion for international business, as Loughborough University London is surrounded by key influencers and innovators in business, and is just a short journey from Canary Wharf, London Bridge and Liverpool Street.

6

6TH FOR BUSINESS,
MANAGEMENT AND
MARKETING
THE GUARDIAN
UNIVERSITY GUIDE 2021

TOP
15

TOP 15 IN THE UK
FOR BUSINESS AND
MANAGEMENT STUDIES
THE COMPLETE
UNIVERSITY GUIDE 2022

Research opportunities

PhD: 3 years full-time; 6 years part-time

Entry requirements: A 2:1 honours degree or equivalent international qualification.

Fees: UK: see website International: £19,200

If you are interested in globalisation and the contemporary changes in the world economy, or the rise in economic and political power of the BRIC countries and other emerging market economies, a PhD with the Institute for International Management could be for you.

By undertaking research with the Institute for International Management, you will develop a range of new skills through creative thinking, analytical reasoning and real-life problem solving. Presenting at research conferences and events will also enable you to improve your speaking and networking skills, and could provide you with new opportunities to travel overseas.

The Institute for International Management is led by a team of world-class scholars, with an impressive track record of attracting high-profile research grants for research into many aspects of international management.

Our areas of research

The Institute for International Management is actively engaged in international research projects concerning the globalisation of economic activity and the implications for patterns of work, sustainability, (political and other) risks, and governance.

Comparative political economy of work

This research area within the Institute focuses on the comparative and historical analysis of work and employment relations within Europe and North America. This includes investigating models of global best practice for work organisation and labour management, such as lean production and business process re-engineering.

Corporate (ir)responsibility

This research area focuses on two broad phenomena. Firstly, the adoption of various social and environmental responsibilities by business firms, and the relationship of this phenomenon to urgent sustainability issues.

The second phenomena being organisational wrongdoing (corruption, fraud, tax evasion, human rights violations etc.) and the various severe harms it produces to vulnerable groups and areas.

Gender and identity in a turbulent space and time

This British Academy/Leverhulme funded project investigates how an extreme form of transnational employment – that is, diplomatic assignments – impacts on gender and identity from a social network perspective.

Globalising actors/activists in multinational companies

The Institute is currently involved in a major ongoing ESRC funded project investigating globalising actors, namely those who create, disseminate and implement new global norms in multinational companies.

The state, law, corporate governance and development

This research area focuses on the role of macro-level factors in shaping globalisation and social, economic, and financial development. Specifically, it investigates how governments and international organisations, through their policies and reform programmes attempt to shape the strategies of firms and the economic trajectories of countries.

The internationalisation of firms from emerging economies

Focusing on the rapidly growing outward foreign direct investment (OFDI) from emerging economies, this research area seeks to understand the institutional determinants and consequences of OFDI from emerging markets.

Career prospects

As well as providing a route into academia, studying a PhD will give you the expertise and skills required to advance your career in a wide range of professions, vocations and businesses.

Taught programmes

International Human Resource Management

MSc

Full-time length: 1 year

Part-time length: Up to 4 years

Entry requirements: A 2:2 honours degree (minimum of 55% overall) or equivalent international qualification.

Fees: UK: £16,100 International: £27,600

Programme overview

This interdisciplinary programme will draw on theories, principles and teaching from a broad range of disciplines to analyse how macro-level global competitive pressures and national institutions impact the management of people in different organisations.

We will discuss the role of formal and cultural institutions in shaping organisations and the economy, and will evaluate how models of global best practice regarding work organisation and labour management spread unevenly across national borders.

You will also gain a detailed insight into the impact of workplace politics and culture, and how these factors can shape the organisation of work and present problems of conflict, negotiation and accommodation.

Modules

You can expect to study modules which focus on the following topics: comparative management; international business and entrepreneurship in developing economies; sociology of work; international HRM; and comparative political economy. You will also complete a collaborative project and a dissertation.

How you will be assessed

You can expect to complete essays and reports of varying lengths, as well as presentations, projects and exams. For information about the assessments you will be expected to complete for each module, please see the module list for this programme online.

How you will study

Most of our modules are taught in blocks of three weeks and you will study through a series of lectures, seminars, project work and independent study. You will also have the opportunity to take part in guest lectures and seminars on a range of topics.

Career prospects

This programme will equip individuals with the knowledge and skills required to support business development and growth on a regional, national and international scale.

International Management

MSc

Full-time length: 1 year

Part-time length: Up to 4 years

Entry requirements: A 2:2 honours degree (minimum of 55% overall) or equivalent international qualification.

Fees: UK: £16,100 International: £27,600

Programme overview

This programme will give you an in-depth understanding of the different national, institutional and cultural contexts in which firms operate, whilst developing essential analytical skills to prepare you for a career in the global economy.

You will also gain a broad, analytical and integrative understanding of diverse national contexts and their effect on economic activity around the world. You will study how emerging markets contexts influence the strategies of firms operating in these countries and will discover how to apply this knowledge to real life examples.

As a student you will benefit from the inspiring environment provided by London as a global city and from guest lectures delivered by entrepreneurs and business leaders across a range of industries.

Modules

You will have the opportunity to study modules on the following topics: comparative management; international business and entrepreneurship in developing economies; accounting and financial management; global strategy; international marketing; international HRM; information systems; corporate social responsibility; and corporate governance. You will also complete a collaborative project and a dissertation.

How you will be assessed

You can expect to complete essays and reports of varying lengths, as well as presentations, projects and case studies. For information about the assessments you will be expected to complete for each module, please see the module list for this programme online.

How you will study

Most of our modules are taught in blocks of three weeks and you will study through a series of lectures, seminars, project work and independent study. You will also have the opportunity to take part in guest lectures and seminars on a range of topics.

Career prospects

This programme will prepare you for employment in a wide range of careers including consultancy as a functional specialist and general management in the private or public sector.

International Management and Emerging Economies

MSc

Full-time length: 1 year
Part-time length: Up to 4 years

Entry requirements: A 2:2 honours degree (minimum of 55% overall) or equivalent international qualification.

Fees: UK: £16,100 International: £27,600

Programme overview

Our International Management and Emerging Economies MSc will provide you with a comprehensive and integrated understanding of the particular challenges facing firms in emerging economies.

Specific issues include the process of economic reform, the pressures of globalisation and the opportunities for internationalisation at firm-level.

The Institute maintains a research interest in the comparative analysis of countries' institutional set-ups and how diverse national contexts affect economic activity around the world. This research is fed into the teaching of this programme to ensure you graduate with an understanding of the latest opportunities and pressures facing organisations in emerging economies.

Modules

You will have the opportunity to study modules on the following topics: comparative management; international business and entrepreneurship in developing economies; global strategy; corporate governance; institutional foundations of entrepreneurship and capitalism; the BRICS and the changing world order, and human resources in emerging economies. You will also complete a collaborative project and a dissertation.

How you will be assessed

You can expect to complete essays and reports of varying lengths, as well as presentations, projects and exams. For information about the assessments you will be expected to complete for each module, please see the module list for this programme online.

How you will study

Most of our modules are taught in blocks of three weeks and you will study through a series of lectures, seminars, project work and independent study. You will also have the opportunity to take part in guest lectures and seminars on a range of topics.

Career prospects

This programme is suited to individuals who are looking to develop expertise in international management with knowledge of the issues facing emerging economies that are in transition and are becoming increasingly integrated into the global economy.

International Project Management

MSc

Full-time length: 1 year
Part-time length: Up to 4 years

Entry requirements: A 2:1 honours degree or equivalent international qualification.

Fees: UK: £16,100 International: £27,600

Programme overview

This programme will provide you with the knowledge and the skills necessary for successfully managing international projects in various organisations that operate across borders and with a multinational workforce.

Co-taught with the School of Architecture, Building and Civil Engineering (ABCE), you will learn about international and project management theories, approaches and methods and how these function in a range of technically and organisationally complex contexts. You will apply your learning through innovative project-based modules that involve cases from real-life companies.

You will learn how to plan, lead and manage international projects and you will have the opportunity to network with both academics and professionals and various events.

Modules

You will have the opportunity to study modules on the following topics: project management, international business and entrepreneurship in developing economies, managing sustainability, comparative management, strategic management of project-based organisations, information systems and corporate social responsibility. You will also complete a collaborative project dissertation.

How you will be assessed

You will be assessed through a combination of exams, coursework and presentations.

How you will study

Most of our modules are taught in blocks of three weeks and you will study through a series of lectures, seminars, project work and independent study. You will also have the opportunity to take part in guest lectures and seminars on a range of topics.

Career prospects

If you are envisaging a career in multinational corporations and other organisations that increasingly rely on project-based management, this programme is for you.

Risk, Governance and International Management

MSc

Full-time length: 1 year
Part-time length: Up to 4 years

Entry requirements: A 2:2 honours degree (minimum of 55% overall) or equivalent international qualification.

Fees: UK: £16,100 International: £27,600

Programme overview

You will develop a comprehensive understanding of the strategies used by multinational companies to manage risks arising from their environment.

You will acquire the increasingly valuable knowledge and skills required to identify, evaluate and respond to risks facing multinational organisations operating in a rapidly changing global context. Co-taught with our Institute for Diplomacy and International Governance, you will examine in interdisciplinary fashion how companies use corporate political activity, corporate social responsibility and corporate governance to navigate opportunities and challenges arising from changes in international economic governance, foreign policy and international politics.

Whether your goal is to lead your own global business or support the success of an existing organisation, you will be encouraged to make the most of the campus' iconic location and build professional relationships with organisations in London that interest you the most.

Modules

You will have the opportunity to study modules on the following topics: comparative management; international business and entrepreneurship in developing economies; corporate governance, the state and development; corporate political activity; corporate risk management; international negotiations; corporate social responsibility; and global strategy. You will also complete a collaborative project and a dissertation.

How you will be assessed

You can expect to complete essays and reports of varying lengths, as well as presentations, projects and exams. For information about the assessments you will be expected to complete for each module, please see the module list for this programme online.

How you will study

Most of our modules are taught in blocks of three weeks and you will study through a series of lectures, seminars, project work and independent study. You will also have the opportunity to take part in guest lectures and seminars on a range of topics.

Career prospects

This programme is suited to individuals looking for management roles with a focus on risk and the impact of social, national, political and regulatory environmental changes.

Entrepreneurship and Innovation

MSc

Full-time length: 1 year
Part-time length: Not applicable

Entry requirements: A 2:1 honours degree or equivalent international qualification.

Fees: Please see website for details.

Programme overview

This is a joint-delivery programme between IESEG Business School (Paris) and Loughborough University London.

This programme critically analyses entrepreneurial attitudes in individuals and organisations, giving you the opportunity to evaluate factors affecting the success of new venture creation and the innovation process. The programme will provide you with action-based learning to develop insights into the complexity of the entrepreneurial and innovation process by analysing and evaluating real-world problems and responding to them in a timely manner.

Please see p183 for more information.

Victor

Media and Creative Industries MA

“My studies combined theory with lots of practice inside and outside the classroom.”

Our programmes

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Global Communication and Social Change	p195
Media and Creative Industries	p195
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Media and Creative Industries

The Institute for Media and Creative Industries is dedicated to sharing critical understandings and developments of the media and creative industries, along with insights into the broader economic, social and political issues facing each area.

The Institute is a multi-disciplinary and international academic community, with commanding knowledge and expertise of the media and related industries and organisations, including the press, film, television, social media, arts, tourism and international development industries.

London is one of the world's principal hubs for media and communication and is the primary destination for many national and international agencies operating in the media and creative industries. Loughborough University London is located in East London, which is home to more artists and creatives than anywhere else in Europe.

World-leading research

The Institute for Media and Creative Industries provides students with a profound understanding of how the media and creative sectors operate by sharing knowledge and expertise from a range of industries, including film, television and the press; social media, and the Internet; the arts, tourism and international development.

The Institute includes an internationally renowned research community who share an interest in the infrastructures, outputs, and audiences of the media and the creative industries, as well as in the communication practices, everyday experiences and social change processes influenced by these industries.



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AND MEDIA STUDIES
*THE TIMES AND SUNDAY
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AND MEDIA STUDIES
*THE COMPLETE
UNIVERSITY GUIDE 2022*



7TH IN THE UK FOR
MEDIA AND FILM
STUDIES
*THE GUARDIAN
UNIVERSITY GUIDE 2020*

Research opportunities

PhD: 3 years full-time; 6 years part-time

Entry requirements: A 2:1 honours degree or equivalent international qualification.

Fees: UK: see website International: £19,200

The Institute for Media and Creative Industries boasts a talented, international and close-knit research community, with a shared passion for the growth and impact of research on communication and media content, technologies and structures.

By pursuing a postgraduate research programme within the Institute for Media and Creative Industries, individuals will have the opportunity to work with top researchers in the field and gain first-hand experience of real-life problem solving.

If you are interested in undertaking theoretically informed research that aims to impact the policies and practices of the media and communications industry, the government and the third sector then a PhD with the Institute for Media and Creative Industries could be for you.

Our areas of research

The Institute maintains a strong interest in the relationships between media and communication and technological, social and cultural change. Current research considers the implications of technological transformations and social change, including social, cultural, political and economic relationships and movements, as well as social media and activism in contemporary and historical contexts.

Much of the research in the Institute is collaborative and interdisciplinary, connecting to local and global communities and organisations. The Institute also works with community groups, cultural institutions and global agencies to explore the applications of their latest research.

As a whole, the Institute has a particular strength in ethnography, participatory approaches, oral histories, archival research and textual analysis. The Institute explores the application of these methodological approaches to critical studies of gender, sexuality, identity, race and ethnicity. The Institute is also interested in notions of mobility (people and technologies), place, creativity and labour, and the communication practices and infrastructures that connect and disconnect, enable and constrain.

Our academics cover a range of research interests including legacy and new media and communication structures, regulations and practices. The Institute has experience of conducting empirical research across the globe and is particularly interested in global perspectives on media, communication and social change.

Career prospects

As well as providing a route into academia, studying a PhD will give you the expertise and skills required to advance your career in a wide range of professions, vocations and businesses.

Doctoral Training Partnership (DTP)

The Institute for Media and the Creative Industries participates in the *AHRC techné DTP*, in partnership with eight institutions from across the South East. The programme aims to support outstanding students pursuing the 'craft' of research through innovative, interdisciplinary approaches with an emphasis on creativity and practice.

Taught programmes

Global Communication and Social Change

MA

Full-time length: 1 year

Part-time length: Up to 4 years

Entry requirements: A 2:1 honours degree or equivalent international qualification.

Fees: UK: £11,500 International: £22,100

Programme overview

Our Global Communication and Social Change MA is designed for people wishing to develop professional skills and a critical understanding of the role of media and communication in facilitating processes of social change.

Growing wealth and environmental inequalities, coupled with new media disruptions have prompted fresh thinking about processes of social and political change.

This Global Communication and Social Change master's programme explores contemporary approaches to communication for social change in global and local contexts, including citizen engagement, collective action, edutainment, community media, entrepreneurial changemaking, media development, and social movements.

Modules

You will have the opportunity to study modules on the following topics: critical studies in media, communication and social change; researching media industries; critical studies of the global south; social identities and media; and media audiences and users. You will also complete a collaborative project and a dissertation.

How you will be assessed

You can expect to complete essays and reports of varying lengths, as well as presentations, proposals, case studies and other creative and multi-media assessments. For more information, please see the module list for this programme online.

How you will study

You will study through a series of lectures, seminars, project work and independent study. You will also have the opportunity to take part in guest lectures and seminars on a range of topics.

Career prospects

This programme could lead to careers in international development, the charity/ community sector, activist organisations, and beyond.

It is ideal if you are looking to pursue a career using media and communication to foster and facilitate positive social change within a global public, private or third-sector company or organisation.

Media and Creative Industries

MA

Full-time length: 1 year

Part-time length: Up to 4 years

Entry requirements: A 2:1 honours degree or equivalent international qualification.

Fees: UK: £11,500 International: £22,100

Programme overview

Our Media and Creative Industries MA programme explores media and cultural theories, as well as political, gender and social movements. You will examine the ways in which individuals, groups, and organisations produce, consume and use media to fashion identities and forge relationships, whilst considering the influence of history, cultural policy, gender, language, race, sexuality and social movements.

You will learn from a passionate faculty of leading academics, offering a vibrant insight into the media and creative industries, information science, law, anthropology, political economy, social theory, ethnic studies and more.

Modules

You will have the opportunity to study modules on the following topics: media and creative industries: contexts and practices; researching media industries; media and creative industries: critical perspectives; global cities, media and communication; media audiences and users; social identities and media; media and social movements; gender and labor in media and creative industries; and experience design. You will also complete a collaborative project and a dissertation.

How you will be assessed

You can expect to complete essays and reports of varying lengths, as well as presentations, proposals and case studies in some cases. For information about the assessments you will be expected to complete for each module, please see the module list for this programme online.

How you will study

You will study through a series of lectures, seminars, project work and independent study. You will also have the opportunity to take part in guest lectures and seminars on a range of topics.

Career prospects

Graduates are highly qualified to work in a variety of media and creative roles across a range of sectors. Previous graduates have progressed into senior and executive-level roles in public relations, advertising, marketing, tourism and journalism.

International Development

MA

Full-time length: 1 year

Part-time length: Up to 4 years

Entry requirements: A 2:1 honours degree or equivalent international qualification.

Fees: UK: £11,500 International: £22,100

Programme overview

This programme explores how dynamics of international development relate to processes of social change and struggles for social justice and it will place such dynamics in the changing global contexts. While this master's programme is designed with a particular focus on the global south, it recognises the interconnectedness of world development. By studying an International Development MA at a time of such dynamic change, you will critically reflect upon a breadth of major traditions, theories and frameworks of inquiry relevant to the contemporary challenges of international development. Our strategic positioning in London provides excellent access to large players in international development eg UN agencies, DFID, International NGOs and international corporations, and through the collaborative project we already partner with a number of these organisations.

Modules

You will have the opportunity to study modules on the following topics: Critical Perspectives on International Development; Development Programme Management; Research Methodologies. Optional modules will include: Critical Studies of Globalisation, Communication and Social Change; International Business and Entrepreneurship in Developing Economies; International Security; BRICS and the Changing World Order, and Sports for Development.

You will also complete a collaborative project and a research dissertation, and will have an option to join an international field trip as part of the module 'Meaningful Development'.

How you will be assessed

You can expect to complete essays and case study reports, as well as deliver group and individual presentations and proposals.

How you will study

You will study through a series of lectures, seminars, project work and independent study. You will also have the opportunity to take part in guest lectures and seminars on a range of topics.

Career prospects

This programme prepares professionals for careers in International NGOs, development consultancies, international organisations and foundations, government aid agencies, social enterprises, academia, ThinkTanks and those multinational companies that have a strong social dimension to their operations. The programme will suit candidates who are interested in critical perspectives on international development, social change and social justice.

International Sustainable Development

MSc

Full-time length: 1 year

Part-time length: Up to 4 years

Entry requirements: A 2:1 honours degree or equivalent international qualification.

Fees: UK: £11,500 International: £22,100

Programme overview

Our International Sustainable Development MSc will enhance both your conceptual and practical understanding of international development in the context of Sustainable Development Goals and the urgent global challenges that they strive to address. The programme aims to develop your critical understanding of, and provide practical insight into, how international sustainable development works. The theoretical inquiry will go hand in hand with a practical orientation to the field, and will be contextualized within analyses of the broader economic, social, technical and political issues influencing the field today, for example questions around sustainability, climate change, disaster risks, inequality, security, migration, and citizen engagement.

Modules

You will have the opportunity to study modules on the following topics: Sustainable and Resilience Development; Disaster Risk Management; Critical Perspectives on International Development; Sustainable Development Programme Management; and Peacebuilding. You will also complete a research dissertation, and will have an opportunity to join an international field trip and a collaborative project.

How you will be assessed

You can expect to complete essays and case study reports, as well as deliver group and individual presentations and proposals.

How you will study

You will study through a series of lectures, seminars, project work and independent study. You will also have the opportunity to take part in guest lectures and seminars on a range of topics.

Career prospects

Graduates are highly qualified to work in non-governmental organisations, development consultancies, international organisations and foundations, government aid agencies, social enterprises, academia and Think Tanks. The programme will suit candidates who are interested in critical perspectives on international development, sustainability, resilience, social change and social justice.



IN THE UK FOR
**COMMUNICATION
& MEDIA STUDIES**

QS WORLD UNIVERSITY
RANKINGS BY SUBJECT 2021
- DOMESTIC RANKINGS



Stacey

Sport Marketing MSc

“I have been lucky enough to learn from industry professionals from all over the world who have first-hand experience, and this has been an invaluable part of my studies.”

Our programmes

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Sport Business

The Institute for Sport Business works to continue the legacy of the London 2012 Olympic Games by delivering a dynamic and innovative range of contemporary programmes to deliver excellence across the sport business sector.



1ST IN THE WORLD
FOR SPORTS-RELATED
SUBJECTS, FIVE YEARS
RUNNING
QS WORLD RANKINGS
BY SUBJECT 2017, 2018,
2019, 2020, 2021

Named as the world's best university for sports-related subjects for five consecutive years (QS World Rankings by Subject 2017, 2018, 2019, 2020 and 2021), Loughborough has an outstanding reputation for developing the world's leading graduates in sport business.

The Institute for Sport Business includes an interdisciplinary, research-led team, incorporating internationally recognised researchers interested in the business of sport.

The Institute seeks to deliver research with a real-world impact in an era of significant social, economic and technological change. Recent research has examined the rapid growth in the business of sport, as well as leadership, change, and culture, consumer engagement, digital technologies in sport, and social responsibility and innovation.

Unrivalled location

London is rapidly becoming the world's leading hub for sport business and is the ideal location for students to expand their knowledge, expertise and networks. Loughborough University London is surrounded by key influencers and innovators in the field of sport, including BT Sport, the Olympic Legacy Corporation and West Ham United Football Club.

The Institute is proud to partner with a number of London-based leaders in sport, including BT Sport, CSM Strategic, West Ham United Foundation, Global Sports, Chelsea Football Club, the Sport Industry Group, Two Circles, Foundation for Leadership through Sport, the Sport Technology Awards, Mill Harbour Marketing and Octagon.

Research opportunities

PhD: 3 years full-time; 6 years part-time

Entry requirements: A 2:1 honours degree or equivalent international qualification.

Fees: UK: see website International: £25,100

The Institute for Sport Business has an interdisciplinary research-led team, incorporating internationally recognised researchers interested in the business of sport.

If you have a passion for the business of sport, a PhD with the Institute for Sport Business could be for you. The Institute especially welcomes interest sport consumer engagement, sport enterprises and social innovation in sport.

Our areas of research

Research by the Institute for Sport Business focuses on money, morality and meaning, and the implications of these factors on sport business. As such, the Institute maintains an interest in the following research topics:

Sport consumer engagement

- fan and consumer experiences
- sport product and service evaluation
- athlete and player support and welfare

Sport enterprise performance

- leadership and organisational systems
- innovation and culture
- technologies, data, analytics and futures

Sport social innovation

- sport development and peace
- social impact, capital and legacy
- sport and (C)SR

Career prospects

As well as providing a route into academia, studying a PhD will give you the expertise and skills required to advance your career in a wide range of professions, vocations and businesses.

Taught programmes

Sport Analytics and Technologies

MSc

Full-time length: 1 year

Part-time length: Up to 4 years

Entry requirements: A 2:1 honours degree or equivalent international qualification.

Fees: UK: £16,100 International: £27,600

Programme overview

You will investigate cases of data driven decision-making and strategy formulation to outline how statistical analysis and data visualisation is informing sport business trends and solutions. You will examine how the sport industry is actively embracing digital technologies to improve performance and shake-up tired and redundant business practices.

Together the faculty will introduce you to the latest research and devices driving the sport digital and media environment, and other related areas.

Modules

You will have the option to study modules on the following topics: an introduction to sport analytics; sport business statistics and analytics; strategic sports sponsorship; sport business and innovation; principles of artificial intelligence and data analytics; new media and analytics for sport business; digital technologies and sport: evolution and application; sport integrity; internet of things and applications; sport economics and law; research and insights into the sport industry; and collaborative project. You will also complete a dissertation.

How you will be assessed

You can expect to complete essays and reports of varying lengths, as well as presentations, proposals and case studies in some cases. For more information, please see the module list for this programme online.

How you will study

You will study through a series of lectures, seminars, project work and independent study. You will also have the opportunity to take part in guest lectures and seminars on a range of topics.

Career prospects

This programme will provide you with knowledge of the technologies driving sport digital and media development, and other related activities. You will have the opportunity to develop advanced networking skills and will work in collaboration with others in order to compete in today's global sport business environment.

Sport Business and Innovation

MSc

Full-time length: 1 year

Part-time length: Up to 4 years

Entry requirements: A 2:1 honours degree or equivalent international qualification.

Fees: UK: £16,100 International: £27,600

Programme overview

Our Sport Business and Innovation MSc provides an understanding of key management and marketing principles, including the development of business strategies and innovation in sport.

This programme provides you with opportunities to develop innovative solutions to real problems that are currently facing sport businesses today, allowing you to gain a competitive advantage in the sector.

You will examine the rapid growth in the business of sport and its accompanying impacts in an era of significant social, economic and technological change. Through this examination you will be able to identify industry trends, understand customer needs, and establish and evaluate the organisational practices required to remain competitive in a global sport marketplace.

Modules

You will have the opportunity to study modules on the following topics: organisational behaviour in the sport industry; sport economics and law; new media and analytics for sport business; sport business statistics and analytics; sports business and innovation; sport integrity; digital sport technologies: evolution and application; entrepreneurship; research and insights into the sport industry; strategy and market analysis; sport marketing; diversity and change in the sport industry; strategic sports sponsorship; and collaborative project. You will also complete a dissertation.

How you will be assessed

You can expect to complete essays and reports of varying lengths, as well as presentations, proposals and case studies. For information about the assessments you will be expected to complete for each module, please see the module list for this programme online.

How you will study

You will study through a series of lectures, seminars, project work and independent study. You will also have the opportunity to take part in guest lectures and seminars on a range of topics.

Career prospects

This MSc will prepare you for careers in sport, business and business innovation. Opportunities may include careers in sporting organisations, international governing bodies of sport, the government and the not-for-profit sector. You will also acquire the skills required to establish your own sport enterprise if desired.

Sport Business and Leadership

MSc

Full-time length: 1 year

Part-time length: Up to 4 years

Entry requirements: A 2:1 honours degree or equivalent international qualification.

Fees: UK: £16,100 International: £27,600

Programme overview

Our Sport Business and Leadership MSc programme is designed for individuals looking for leadership and management positions within the sport business industry. You will visit a number of influential sport leadership environments and receive guidance from top leaders in the field.

You will be immersed in the business of sport and will enhance your professional leadership capacity and business acumen in relation to a global sport business environment. You will also be exposed to some of the latest opportunities and challenges confronting sport organisations at a global, national and local level.

You will learn how to connect theory with practice by attending a number of inspiring field visits. Past visits have included Sandhurst Military Academy, The Royal Opera, UK Sport, KPMG, the RFU, Google, and Wimbledon.

Modules

You will have the option to study modules on the following topics: leadership models and practices: application to a sport context; leadership, diversity and change in the sport industry; sustainability and leadership for sport organisations; critical reflective leadership and sport management practice; sports business and innovation; sport integrity; new media and analytics for sport business; research and insights into sport business; sport business statistics and analytics; organisational behaviour in the sport industry; sport marketing; strategic sports sponsorship; and collaborative project. You will also complete a dissertation.

How you will be assessed

You can expect to complete essays and reports of varying lengths, as well as presentations, proposals and case studies. For information about the assessments you will be expected to complete for each module, please see the module list for this programme online.

How you will study

You will study through a series of lectures, seminars, project work and independent study. You will also have the opportunity to take part in guest lectures and seminars on a range of topics.

Career prospects

This MSc will prepare you for careers in middle and senior leadership positions in a range of sectors, including commercial, not-for-profit and international sporting organisations. You will also have access to training and development to establish your own sport enterprise.

Sport Marketing

MSc

Full-time length: 1 year

Part-time length: Up to 4 years

Entry requirements: A 2:1 honours degree or equivalent international qualification.

Fees: UK: £16,100 International: £27,600

Programme overview

Our Sport Marketing MSc programme will enable you to develop a complex understanding of the latest sport marketing and business management techniques. You will discover the latest sport marketing tools used by real organisations in the industry, and will analyse and evaluate some of the challenges faced by sport marketers today.

You will discover how to create successful sport marketing strategies using market research, targeted marketing techniques and marketing communications knowledge, as well as project management and campaign monitoring skills. Alongside teaching of sport marketing theory and practice, as part of your Sport Marketing MSc you will gain hands-on experience with project planning and industry collaboration.

Modules

You will have the opportunity to study modules on the following topics: sport marketing; strategic sport sponsorship; international marketing; design innovation project; sport economics and law; strategic marketing management; sport business statistics and analytics; digital sport technologies: evolution and application; sport integrity; sports business and innovation; research and insights into the sport industry; new media analytics for sport business; and collaborative project. You will also complete a dissertation.

How you will be assessed

You can expect to complete essays and reports of varying lengths, as well as presentations, proposals and case studies. For information about the assessments you will be expected to complete for each module, please see the module list for this programme online.

How you will study

You will study through a series of lectures, seminars, project work and independent study. You will also have the opportunity to take part in guest lectures and seminars on a range of topics.

Career prospects

Graduating from this programme will provide you with job opportunities in brand management, marketing communications, social media marketing, sponsorship account management, and digital marketing. Graduates will also have the opportunity to enhance their knowledge and career prospects further by undertaking a PhD programme.



WE ARE THE
**UK'S PREMIER
UNIVERSITY
FOR SPORT**

AND ITS UNDERPINNING
ACADEMIC DISCIPLINES

NEXT STEPS...

The application process and funding options for postgraduate study are different to those at undergraduate level, and even more so if you previously studied outside the UK.

The next section includes useful information on how to apply, tuition fees and potential sources of funding.

BE PART
OF THE
#LBOROFAMILY

RESEARCH FUNDING

HOW TO
APPLY

TUITION FEES

MASTER'S FUNDING

Fees and funding

Studying a postgraduate programme at Loughborough University is a significant but incredibly rewarding investment in your future.

Tuition fees

What's included

Tuition fees cover the cost of your registration, teaching, assessments and access to facilities such as the library, IT equipment and other support services. The cost of tuition fees does not cover general study costs for books, stationery and personal IT equipment. Additional costs may apply for some programmes, such as the cost of lab safety equipment, field trips and craft materials.

Bench fees

Additionally bench fees will apply to a small number of research students where the proposed research project is expected to incur larger than average costs. The bench fee will be made clear on any offer letter issued by the University.

Part-time and continuing students

Fees are reviewed annually and are likely to increase to account for inflationary pressures. Therefore, if your programme is studied over two or more academic years, the fee amount for your second (and subsequent years) may be higher.

Master's funding

University scholarships and bursaries

Our scholarships and bursaries range from 10% to 100% towards the cost of postgraduate taught tuition fees, with funding also available for talented arts students and athletes. Find out more: lboro.ac.uk/pg/fees-funding

Loughborough Alumni Bursary

As a Loughborough graduate, you'll receive our alumni bursary of up to 10% of the tuition fees for your postgraduate taught programme.

This bursary is available to all self-funding full-time UK and international students who are not in receipt of any other award. Find out more: lboro.ac.uk/pg/fees-funding

Other sources of funding

There are a number of other sources that could help you to fund your studies. Many trusts and charities offer grants, awards and loans for postgraduates in a range of subjects. Find out more: lboro.ac.uk/pg/fees-funding

UK Government Master's Loan

If you are a UK student living in England, you may be eligible to apply for a loan to support the cost of your studies (up to £11,570 in the 2021/22 academic year).^{*} Loan repayments will begin after you have completed your programme and have an annual income of over £21,000. Students from Scotland, Wales and Northern Ireland also have access to government funding for postgraduate study. Find out more: gov.uk/masters-loan

Research funding

University studentships

Our studentships typically cover the full cost of fees and may also include a tax-free stipend for living costs. In some cases, additional funding will be provided for research support expenses. These studentships are advertised on our website:

lboro.ac.uk/phd-opportunities

Loughborough Alumni Bursary

Loughborough University is proud to offer 20% towards the full cost of tuition fees for self-funding postgraduate research students who obtained a previous degree from Loughborough University. Students must not be in receipt of any other award.

Other sources of funding

A large number of independent organisations, charities and trusts support postgraduate research in a variety of areas. UK Research Councils offer studentships and grants for doctoral study, which often include the cost of fees and a generous stipend. These studentships are advertised on our website.

International PhD funding

International students may be eligible for funding from grant-awarding bodies in their own country, such as the Ministry or Department of Education. The British Council also manage a small number of international grants.

UK Government Doctoral Loans

If you are a UK student living in England, you may be eligible to apply for a loan to support the cost of your studies (up to £27,265 in the 2021/22 academic year and divided equally across each year). The loan is suitable for full-time and part-time postgraduate research students undertaking programmes lasting up to eight years.^{*} Loan repayments will begin after you have completed your programme and have an annual income of over £21,000. Students from Wales also have access to government funding for postgraduate study. Find out more: gov.uk/doctorsal-loan

How to apply

All master's and research degree applications can be made via the University's online application portal (with the exception of PGCE programmes – please see below).

Applying for a master's or research degree

Your application must be supported by documentary evidence to prove that you meet the entry requirements. This includes your academic qualifications, references and transcripts, as well as English language qualifications and a portfolio, if required. If you are awaiting results, you can upload the documents you do have and upload outstanding documents when they become available.

Additional requirements for research degrees

If you wish to apply for a studentship, you may not need to develop a research proposal; please check the advert for details.

For non-studentship applications (eg if you are self-funding or have secured funding from an external body), you will need to confirm which member of academic staff you have spoken to from the school or department and you may need to submit a research proposal. Advice on what to include in this can be found on our website: lboro.ac.uk/pg-research-apply

PGCE programmes

Applications to our PGCEs need to be made through the government's DfE Apply service and not through the Loughborough University website. You can find guidance on applying for a PGCE at gov.uk/apply-for-teacher-training

Standard English language requirements

The standard University IELTS requirements are 6.5 overall with 6.0 in each individual element: reading, writing, listening and speaking. Some programmes may require higher English language levels; please check the programme details for exact requirements.

Students should normally take an IELTS test from a UKVI-approved test centre. We also consider Pearson PTE, LanguageCert and some national curriculum qualifications. More information on acceptable English language qualifications can be found online: lboro.ac.uk/pg/english-language

Alternatively, you may wish to take one of our English language pre-sessional courses. Find out more: lboro.ac.uk/alss

What happens next?

You will receive an acknowledgement email once your completed application has been submitted and we will then start to process it – this can take up to six weeks, but is usually quicker. You can log into the application portal at any time to track the progress of your application.

If your application is successful, we will send you an email with details of any conditions you must meet before your place is confirmed.

To secure your place, you must log back into the application portal, accept the offer and upload any outstanding documents to meet any conditions of your offer.


Master's degree intake

Teaching for our full-time taught master's degrees typically begins in late September / early October. Some part-time and distance learning programmes may have alternative start dates throughout the year.

Research degree intake

Postgraduate research students will usually enrol in time for one of four start dates: 1 October, 1 January, 1 April or 1 July.

 lboro.ac.uk/pg/nextsteps

 lboro.ac.uk/pg/apply

^{*}Please note that UK Government Master's Loans and UK Government Doctoral Loans are paid directly to you and not to the University. Students intending to rely on these sources of funding should be aware these may only be sufficient to cover living costs but will not be adequate to also cover tuition fees.

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Loughborough University has taken care that this prospectus is as accurate as possible at the time of going to press (July 2021). It is intended as a general guide to the courses and facilities available to students commencing a programme of postgraduate study or research in academic year 2022/23.

Please note that although we do not anticipate that there will be major changes to the information provided in the prospectus, it is prepared a considerable time in advance and the University reserves the right to revise courses and their modules to ensure they remain current and up-to-date, to respond to external developments, and for a number of practical reasons. Before making an application please check our online prospectus to ensure you have the most up-to-date information. The University's Terms and Conditions of Study (lboro.ac.uk/study/terms-conditions) provide more details of the circumstances in which we may amend our courses both after application and whilst students are registered. The University will try to keep applicants and current students informed of any changes.

Admission to Loughborough University is subject to the requirement that applicants and current students agree to the Terms and Conditions referred to above.

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OPEN EVENTS

We run a variety of events designed to give you valuable insight into our teaching and research, life on our Loughborough and London campuses, and the support available from our admissions and professional services. A key element of our events is the opportunity to speak to staff and postgraduate students.

For all the latest event details,
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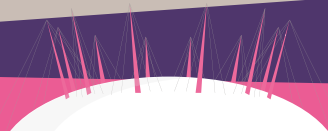


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