

Undergraduate Prospectus 2020



Our achievements

TOP
10

IN EVERY NATIONAL
UNIVERSITY LEAGUE
TABLE

AWARDED
GOLD

IN THE NATIONAL
TEACHING EXCELLENCE
FRAMEWORK (TEF)



ONE OF ONLY 15
FIVE-STAR+
INSTITUTIONS
WORLDWIDE

INTERNATIONAL QS STARS
SCHEME 2017

RANKED 7TH
OUT OF 131 UK
UNIVERSITIES

THE COMPLETE
UNIVERSITY GUIDE 2019

RANKED

5TH

OUT OF THE
UK'S TOP
30 UNIVERSITIES

TIMES HIGHER
EDUCATION TABLE
OF TABLES 2019



RANKED

1ST

IN THE TIMES
HIGHER EDUCATION
STUDENT EXPERIENCE
SURVEY 2018



**UNIVERSITY
OF THE YEAR**

WHATUNI 2018 AND
THE TIMES AND SUNDAY TIMES
GOOD UNIVERSITY GUIDE 2019

**BEST UNIVERSITY
IN THE WORLD**

FOR SPORTS-RELATED
SUBJECTS

QS WORLD UNIVERSITY
RANKINGS 2018

RANKED
4TH

**OUT OF 121 UK
UNIVERSITIES**

THE GUARDIAN
UNIVERSITY
GUIDE 2019

RANKED
5TH

**OUT OF 132 UK
UNIVERSITIES**

THE TIMES
AND SUNDAY TIMES
GOOD UNIVERSITY
GUIDE 2019



Friday 28 June 2019
Saturday 29 June 2019
Friday 20 September 2019
Saturday 21 September 2019

Open days

Did you know we are the first UK university to showcase external student reviews? See what our students are saying about us:

lboro.ac.uk/ug2020-reviews


The best way to experience our fantastic campus is to come and see it for yourself. At our open days you'll find out all you need to know about life as a Loughborough student. We think Loughborough is fantastic in so many ways, but don't just take our word for it.

Chat to current staff and students at our course information stands, visit our halls of residence and discuss accommodation options. Tour our departments and world-class sports facilities and discover all the careers support on offer. Find out more about fees and finance, student support and the award-winning student experience you can have through Loughborough Students' Union. The list of opportunities is endless!

Find more information and book your place at:

lboro.ac.uk/ug2020/open-days

Take a look at our open day video:

 lboro.ac.uk/ug2020/open-day-video

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Rob Allison

Professor Robert Allison
Vice-Chancellor and President

Welcome to Loughborough

When I ask our students what they love about their university, I get a huge variety of responses – the fact that they are taught by some of the world’s best academics in their subject areas, the range of clubs and societies they can join, and the huge number of opportunities to get involved in sport and the arts.

But the one thing they never fail to mention is the strong sense of community at Loughborough – being a part of our Loughborough family. The friendly and supportive environment across campus enables our students to be the very best that they can be, in whatever they do. It’s one of the reasons we’ve been voted as having the best student experience in the country more times than any other university.

Before you make up your mind about joining us, I recommend that you come along to one of our open days. The Loughborough campus has a real buzz about it and however well we describe it, to fully appreciate its fantastic spirit you need to observe it for yourself. Come and pay us a visit – I think you’ll soon love Loughborough just as much as we do.

#LboroFamily

A top ten UK university

As well as being University of the Year in The Times and Sunday Times Good University Guide 2019, we're proud to be in the top ten of every national university league table. It's a great time to study at Loughborough – take a look at how we fit into the bigger picture...

THE GUARDIAN UNIVERSITY GUIDE 2019

- 1 CAMBRIDGE
 - 2 OXFORD
 - 3 ST ANDREWS
 - 4 LOUGHBOROUGH**
 - 5 DURHAM
 - 6 BATH
 - 7 IMPERIAL COLLEGE LONDON
 - 8 WARWICK
 - 9 LANCASTER
 - 10 LEEDS
-

OUT OF 121 UK UNIVERSITIES

TIMES HIGHER EDUCATION 'TABLE OF TABLES' 2019

- 1 CAMBRIDGE
 - 2 OXFORD
 - 3 ST ANDREWS
 - 4 IMPERIAL COLLEGE LONDON
 - 5 LOUGHBOROUGH**
 - 6 DURHAM
 - 7 LANCASTER
 - 8 = WARWICK
 - 8 = LONDON SCHOOL OF ECONOMICS
 - 10 UNIVERSITY COLLEGE LONDON
-

OUT OF THE TOP 30 UK UNIVERSITIES



THE  TIMES
THE SUNDAY TIMES

**GOOD
UNIVERSITY
GUIDE
2019**

**UNIVERSITY
OF THE
YEAR**

THE TIMES AND SUNDAY
TIMES GOOD UNIVERSITY
GUIDE 2019

- 1 CAMBRIDGE
 - 2 OXFORD
 - 3 ST ANDREWS
 - 4 IMPERIAL COLLEGE LONDON
 - 5 LOUGHBOROUGH**
 - 6 LANCASTER
 - 7 DURHAM
 - 8 UNIVERSITY COLLEGE LONDON
 - 9 LONDON SCHOOL OF ECONOMICS
 - 10 WARWICK
-

OUT OF 132 UK UNIVERSITIES

THE COMPLETE
UNIVERSITY GUIDE 2019

- 1 CAMBRIDGE
 - 2 OXFORD
 - 3 LONDON SCHOOL OF ECONOMICS
 - 4 IMPERIAL COLLEGE LONDON
 - 5 ST ANDREWS
 - 6 DURHAM
 - 7 LOUGHBOROUGH**
 - 8 LANCASTER
 - 9 WARWICK
 - 10 UNIVERSITY COLLEGE LONDON
-

OUT OF 131 UK UNIVERSITIES



YOU'LL FIND US RIGHT IN THE HEART OF THE EAST MIDLANDS, ABOUT TWO MILES FROM J23 OF THE M1.

We're a short distance from Loughborough Train Station, as well as being only a 15-minute drive from East Midlands Airport.

On the train...*

Leicester	9 minutes	from £4.10 return
Nottingham	19 minutes	from £6.00 return
Derby	22 minutes	from £7.55 return
London	76 minutes	from £43.55 return

*Cost with 16-25 railcard

Just some of the flights from East Midlands Airport...

Dublin	1 hour	from £21
Amsterdam	1.25 hours	from £46
Krakow	3.40 hours	from £38
Berlin	1.50 hours	from £27

All prices correct on 23/01/2019

Sources:

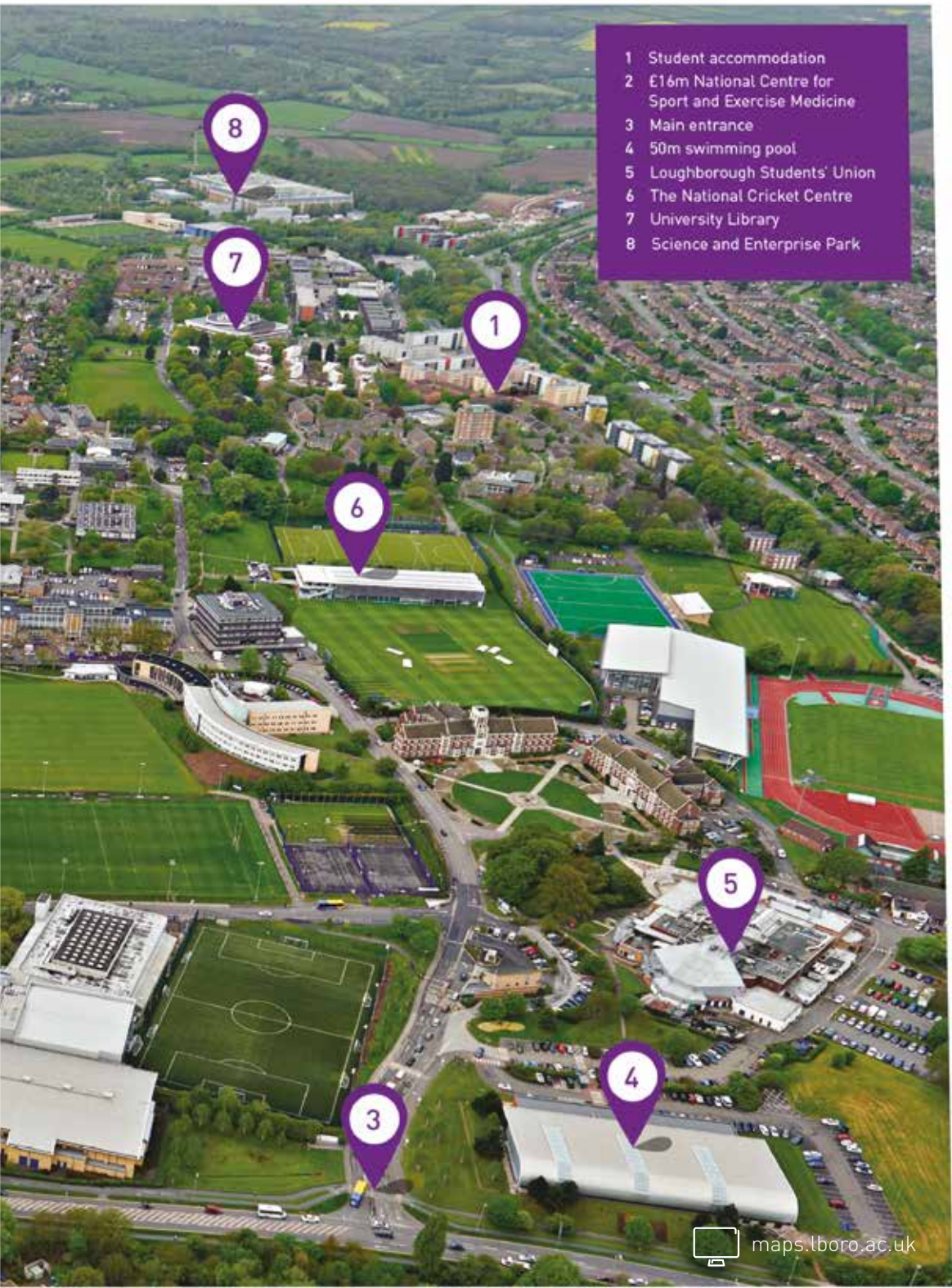
www.eastmidlandsairport.com
www.eastmidlandstrains.co.uk





Campus map





- 1 Student accommodation
- 2 £16m National Centre for Sport and Exercise Medicine
- 3 Main entrance
- 4 50m swimming pool
- 5 Loughborough Students' Union
- 6 The National Cricket Centre
- 7 University Library
- 8 Science and Enterprise Park

maps.lboro.ac.uk

Loughborough and our campus

We're lucky to have such a beautiful place to call home – our 440-acre, single-site campus is the University's most glorious asset.

You'll find everything you need within close walking distance, from open spaces, gardens and sports pitches to academic buildings, Loughborough Students' Union and our halls of residence. What's more, Loughborough town is within walking distance with its own array of restaurants, pubs, bars, shops and entertainment.



STUDENT
CROWD 2018
BEST UK
UNIVERSITY
CAMPUS



GREEN FLAG
AWARD 2018/19
ONE OF THE
NATION'S BEST
GREEN SPACES



OUTSTANDING
SINGLE-SITE
GREEN
CAMPUS



**“I love the location.
There are plenty of shops in
town and you can easily go five
minutes down the road to visit
the lovely countryside.”**

Living on campus

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

Campus life is all about convenience and community – you can't get far without seeing a friendly face and everything you need is right on your doorstep. We've got bars, restaurants, laundrettes, a hairdresser, a medical centre, an optician, a health centre, a pharmacy, a taxi rank, a beautician, two gyms, shops, cafés, hotels, dining halls and so much more.



*7.30am-6pm (Monday-Friday, term time)

#LboroFamily

There's never a shortage of things to get involved in on campus. From nights out at the Union to nights in with your flatmates and a pizza, your free time will be anything but dull. You'll be spoilt for choice at Loughborough's range of clubs, societies and events, all of which have unique social calendars of their own and offer endless opportunities to make lifelong friends. Find out more about our award-winning student experience on pages 20-23.

Loughborough town

Loughborough town centre is 15-minute walk away from campus and offers a full range of amenities. As well as two cinemas, escape rooms, dessert parlours, restaurants, bars, pubs, cafés, and clubs, you'll find a variety of shops to suit all tastes – from Topshop, New Look and Boots to Starbucks, Primark and a variety of independent boutiques. Loughborough Town Hall also hosts a regular programme of shows and comedy evenings every month.

Loughborough is famed for its award-winning, twice-weekly market, which takes place in the town centre. Here you can purchase a range of products including fresh produce, confectionary, clothing, household goods and plants.

A farmers' market is also hosted once a month in addition to other specialist markets across the year. What's more, every November Loughborough's historic fair visits the Market Place with a variety of rides, games, attractions and food stalls.

For those who want to explore even more of the local area – that's not all. We're surrounded by tourist attractions including the Peak District, Bradgate Park and Beacon Hill, and are perfectly placed for visiting the larger nearby cities of Nottingham, Leicester and Derby.

For more information on our surroundings, visit the Love Loughborough website.

www.loveloughborough.co.uk







Accommodation

Every single one of our halls of residence has a unique personality of its own – whichever one becomes your home, we know you'll remember being part of it forever.



STUDENT CROWD
BEST STUDENT
ACCOMMODATION
2018



Watch our moving in day videos for parents and students:

 lboro.ac.uk/ug2020/moving-in



WHATUNI 2018
TOP 5 FOR
ACCOMMODATION

Our guarantee

If you make Loughborough University your firm choice and register for accommodation before the July deadline, we will guarantee you a room in University accommodation. International students from outside the EU are guaranteed hall accommodation within the same hall for any two years of their undergraduate study.

If you receive an offer to study at Loughborough and make us your firm choice, you'll be able to apply for your place in halls online from May. Our Student Accommodation Centre will email you to explain how and when to do this.

Accommodation after first year

Not ready to leave halls? You can apply to remain there after first year and many of our students choose to do so. Alternatively, our Student Accommodation Centre can provide you with information about off-campus living – just pop in to see them. Properties are also advertised on the Student Pad website.

loughboroughstudentpad.co.uk

Loughborough halls of residence

There are 16 undergraduate halls of residence to choose from, all of which are on (or very close to) campus.

Each hall offers a secure, comfortable and welcoming home to its students, from which they can build their Loughborough experience. Each room contains a bed, storage, desk, chair, shelves and a noticeboard.

You will also have access to laundry facilities, bike storage, a common room, internet access and the support of a fantastic hall committee team who ensure that hall life remains supportive and fun for everyone.

Catering options

In total there are seven catered halls and nine self-catered halls at Loughborough. Our communal dining halls for catered students are a traditional part of the Loughborough experience. Having meals with your friends is a great social activity and is often a more cost effective option. We are committed to providing healthy, varied and homecooked options across all dining halls, so there is something to suit all tastes.

Students in self-catered halls can purchase discounted meals in dining halls and there are numerous retail outlets scattered across campus. Off campus there are several large grocery stores located nearby, including a Tesco, Aldi and Sainsbury's.

lboro.ac.uk/ug2020/accommodation

Student experience

There's a reason why our student experience has been voted best in the country by the Times Higher Education Student Experience Survey more times than any other university.

Life at Loughborough is vibrant, rewarding and brimming with opportunity – by the time you graduate, you'll be moving on with so much more than just a degree.

We're so proud of our student feedback that we've become the first UK university to feature live external reviews on our website.

Check out exactly what our students have to say about their Loughborough experience – nobody knows it better than they do.

lboro.ac.uk/ug2020/reviews



THE STUDENT EXPERIENCE
SURVEY 2017-18 FIRST PLACE



Loughborough Students' Union

Right at the very heart of our award-winning student experience sits Loughborough Students' Union (LSU), which is owned and run entirely by our students. A constant hive of activity, by day the Union is a busy meeting place and coffee bar complete with a shop, a Chinese restaurant, a hair salon, a gastropub, an optician, a dentist, a taxi rank, and a pharmacy. At night, it transforms into a 4,000-capacity nightclub with three separate rooms, each playing a variety of music and hosting events across the week.

Ultimately, the role of the Students' Union is to ensure that Loughborough remains the very best place to be a student. Whether we're working to enhance your experience or your CV, ensure your personal development or just support you, students are at the heart of everything we do. Find out more on pages 24-25.

Unforgettable experiences

With over 170 clubs and societies to get involved in outside of your studies, you'll be spoilt for choice. From breakdancing and yoga to surfing and singing, there literally is something for everyone – not to mention countless other once-in-a-lifetime opportunities you can take part in.

Interested in gaining media experience? LSU Media's state-of-the-art department is equipped with its very own TV and radio stations, and student magazine. Want to work with the local community, or even on overseas projects? Check out what LSU Action have been up to recently, including projects in Mexico and Nepal. Fancy taking on a new challenge? LSU Rag's fundraising adventures have seen them trek Mount Kilimanjaro and cycle from Paris to London. There are so many ways to make your Loughborough experience unforgettable.



THE TIMES
HIGHER EDUCATION
STUDENT EXPERIENCE
SURVEY 2018
RANKED 1ST



WHATUNI 2018
UNIVERSITY
OF THE YEAR

Ask a Student scheme

Do you have a question about a course, campus, or Loughborough? Or perhaps you want to find out about student opportunities and support?

LSU run an 'Ask a Student' service where you can ask a current Loughborough student a question and receive a personalised response. You just need to submit a form at the link below and someone will get back to you. Go ahead!

lboro.ac.uk/ug2020/ask-a-student

LU Arts

We have our own arts programme that is open to students from any course and skill level – from amateur to budding professional. It covers a wide range of art forms from pottery, painting and creative writing to music, dance and drama; there is also Radar, our unique contemporary art programme.

There are opportunities to get involved in evening classes, music tuition, one-off workshops and arts and crafts taster sessions. LU Arts also offers a package of annual arts scholarships, which help students develop their talents further, and student arts grants to fund student-led arts projects and events.

Our arts facilities on campus include a 266-seat theatre, 100-seat studio, music practice rooms, dance studio, exhibition space and 213-seat auditorium which can host concerts, film screenings and dance and drama productions.

lboro.ac.uk/ug2020/luarts

Enterprising students

Loughborough provides a creative, supportive environment for students with a keen interest in enterprise and entrepreneurship. We help to nurture business skills and commercial awareness in our future entrepreneurs, allowing the growth and development of ideas during their time at university. With a variety of support and guidance available, there's no shortage of enterprise opportunity.

lboro.ac.uk/ug2020/enterprise







WHATUNI 2018
2ND FOR
STUDENTS'
UNION



OVER 170 CLUBS
AND SOCIETIES

LOUGHBOROUGH STUDENTS' UNION





Sport

Loughborough have been the champions of British Universities and Colleges Sport (BUCS) for 39 years running and our hard-earned sporting reputation is something that we are incredibly proud of. Our campus is home to some of the best sporting opportunities in the world and, regardless of ability or experience, there is something to suit everyone.



BRITISH
UNIVERSITIES AND
COLLEGES SPORT
(BUCS) CHAMPIONS
FOR 39 YEARS
RUNNING

We've got something to suit all our students, ranging from international champions to those who simply enjoy a kick around with their friends.

At one end of the spectrum sits performance sport, followed by British Universities and Colleges Sport (BUCS), hall sport, society and department sport, and recreational sport.



QS WORLD UNIVERSITY
RANKINGS BY
SUBJECT 2018
BEST UNIVERSITY
IN THE WORLD FOR
SPORTS-RELATED
SUBJECTS



lboro.ac.uk/ug2020/sport



LOUGHBOROUGH
SPORT

Performance sport

We offer enhanced high-performance programmes in a range of sports. Those who secure a place in one of our performance sport squads will receive high-quality coaching as well as support in strength and conditioning, nutrition, physiology, performance analysis, and sports medicine. They will also have access to a personal development programme.

lboro.ac.uk/ug2020/performance

We have a long history of looking out for and developing student athletes. Committed performance student athletes can balance the demands of elite sport around their studies with our unique, flexible system for academic support. Scholarships are also available to our most exceptional student athletes to provide additional financial support.

lboro.ac.uk/ug2020/sport-scholarships

BUCS sport

There are over 55 student-led sports clubs at Loughborough and this is where there are opportunities to represent Loughborough in the British Universities and Colleges Sport (BUCS) Championships. We are incredibly proud to have won the championships for 39 consecutive years and competition for places in the teams is intense.

lboro.ac.uk/ug2020/sport-clubs

Hall sport

Fancy representing your hall of residence in a sport competition? Intramural Sport (IMS) is a free programme of sport where our halls compete to win points with the aim of being crowned IMS champions at the end of the year. There are a variety of different sports to get involved in including badminton, handball, netball and lots more. Whether you are competing or cheering on your hall, IMS is a great way to make new friends and a fantastic part of the hall experience at Loughborough.

lboro.ac.uk/ug2020/hall-sport

Society sport

These fun, sociable leagues offer opportunities to represent your society in a variety of sports with a chance to claim the annual trophy. They are great fun and competitively spirited – perfect for meeting like-minded people.

lboro.ac.uk/ug2020/society-sport

Social leagues

A great alternative to hall or society sport, social leagues are another way to play regular competitive sport at Loughborough. Currently offering football, netball and basketball leagues, there are no membership fees and no ability requirements or training commitments necessary to get involved.

lboro.ac.uk/ug2020/social-leagues

Recreational sport

For those looking to participate in sport on a more casual basis, there's loads to choose from. My Lifestyle offers a huge range of free activities that you can get involved in, from football and bootcamp to roller hockey and UV zumba. They are a great way to meet new people, stay fit and have fun in an environment free from expectation and commitment.

We've also got several park areas on campus that are dedicated to recreational sport – they're free to use, so you can grab a few friends and make the most of them whenever you like.

lboro.ac.uk/ug2020/my-lifestyle

Coach and Volunteer Academy (CVA)

Gain experience and qualifications in sport coaching, volunteering and leadership with Loughborough's Coach and Volunteer Academy. There are countless opportunities to get involved in whilst enhancing your own development and employability, both locally and even overseas. These include:

- Coaching and officiating
- Sport marketing, communications and events
- Gym, health and fitness, and sport science support
- Volunteer Zambia

lboro.ac.uk/ug2020/cva



Sport facilities

Our reputation for sporting excellence and sports-related teaching is unrivalled and we're lucky enough to have a variety of world-class facilities right here on campus.



HOLYWELL
FITNESS
CENTRE



POWERBASE
GYM



CRICKET CENTRE



ATHLETICS
CENTRE



5 FULL-SIZE
SYNTHETIC PITCHES



STADIUM



50M SWIMMING POOL



TENNIS CENTRE



INDOOR SPORTS HALLS



RECREATIONAL PARKS

For information on our brand new Elite Athlete Centre and Hotel visit: lboro.ac.uk/ug2020/EAC

-  /lborosport
-  /loughboroughsport
-  /loughboroughsport



“The University has been supportive regarding my physical and mental wellbeing throughout the year and I always feel like I have someone that I can go to if I need help.”

Student support

We'll make sure you're well looked after during your time here – after all, our campus will be your home and we want you to feel part of the family. That's why our students have access to a variety of university support services, so that they can settle comfortably into life at Loughborough.



WHATUNI 2018
3RD FOR STUDENT
SUPPORT



Student Advice and Support Service

We provide free, confidential, impartial, non-judgemental advice and support on many matters relating to your time at university. This includes advice and support on money, housing and immigration issues.

lboro.ac.uk/ug2020/sass

Counselling and Disability Service

We are committed to ensuring disabled students receive the support they need to manage a range of conditions alongside their academic studies.

Information, advice and guidance is offered to students with specific learning differences (eg dyslexia), emotional or mental health difficulties (eg anxiety), long-term health conditions (eg chronic fatigue syndrome), sensory impairments, autistic spectrum conditions (eg Asperger Syndrome), and physical disabilities.

We recognise that choosing to go to university involves significant life changes – for some students this requires extra preparation and consideration. The University therefore encourages you to share information about any disability on your UCAS application – also by using our portal for disabled students to tell us about your disability/health condition, so that we can arrange any support you may need.

lboro.ac.uk/ug2020/cds

Academic Language Support Service

Offering a range of workshops, courses and online resources to support UK, EU and international students with their academic writing and English language skills.

lboro.ac.uk/ug2020/alss





Support for mature students

Students who are aged 21 or over at registration form part of Loughborough's vibrant mature student community. The decision to start a new learning journey after a break is usually a big one and we value the wealth of experience that our older students bring to their studies.

Whether you're seeking career development or continuing a passion, there are lots of benefits to becoming a mature student at Loughborough:

- Access to our postgraduate and mature student only study space
- A mature student buddying scheme (in selected schools and departments)
- Careers advisors and support services staff who are experienced in helping mature students
- If you have a young family, our campus nursery is conveniently located next to the Students' Union.

We offer numerous financial packages for mature students in the form of bursaries and tuition fee waivers. Eligibility is dependent on household income – check our website for more information and guidance.

lboro.ac.uk/ug2020/mature

Centre for Faith and Spirituality

The Centre includes a chapel, prayer room, quiet room, library and faith rooms used by student faith groups and individuals. There are Chaplains from different faiths and denominations to give support to all, irrespective of your beliefs, whether pastorally, spiritually or practically.

lboro.ac.uk/ug2020/cfs

An inclusive community

We're lucky to have a campus community made up of so many different backgrounds and experiences. It is our firm belief that a diverse student body enables a richer learning experience for everybody.

Take a look at our inclusive webpages for more information about our vibrant student family and how we make sure everybody feels at home with us.

lboro.ac.uk/ug2020/inclusive

Personal Best

Student development programme

Being at university is a unique opportunity to develop yourself. It is a time when you can reflect on your interests, values and what you are passionate about to discover and develop who you are and how to be your **Personal Best**.

Personal Best is an exclusive framework of skills and competencies developed by the University with guidance from employers. You will get support in lessons, through online resources and from a dedicated Personal Best team, to help you identify, develop and articulate the skills you are gaining.

Loughborough offers a wealth of opportunities to develop your potential and reach your Personal Best:

- Whilst studying and researching
- In extra-curricular activities with the Students' Union and sports
- With lots of skills and development activities and sessions
- Through placements, internships and work experiences.

DEVELOP YOUR ACADEMIC SKILLS
STAND OUT TO FUTURE EMPLOYERS
BE THE BEST VERSION OF YOURSELF

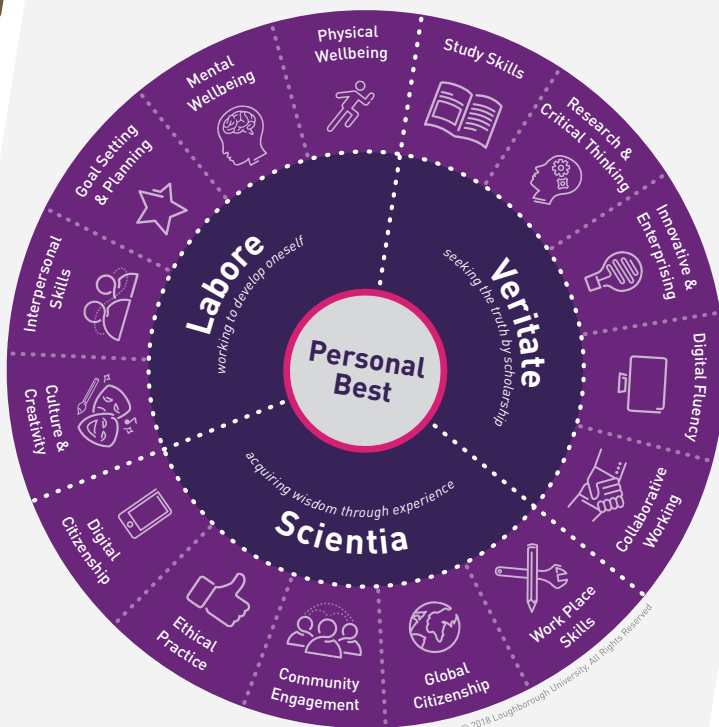




Gintare
BSc Media and Communication

“Loughborough University has inspired me to be a winner, seeking only the best out of my education. It has taught me that nothing is impossible if you put your mind to it and try your absolute best.”

THERE ARE 15 ELEMENTS OF PERSONAL BEST THAT ARE STRUCTURED AROUND THE UNIVERSITY MOTTO: **VERITATE, SCIENTIA, LABORE**





Study and learning resources

Need a helping hand with your studies? There are loads of places on campus that exist specifically to support you and your learning. Here are just a handful of them...



NSS 2018
1ST FOR
LEARNING
RESOURCES



WHATUNI 2018
1ST FOR
UNIVERSITY
FACILITIES



CYBER
ESSENTIALS PLUS
CERTIFICATION
2018
BEST PRACTICE IN
CYBER SECURITY

IT Services

IT Services offer a wide range of IT facilities to support you through your studies, including:

- Recently upgraded Wi-Fi service, now covering over 4,000 Wi-Fi access points across campus.
- The Microsoft Office 365 platform, delivering a whole range of cloud-based services including a free copy of Microsoft Office to install on up to 5 devices, 1TB of data storage with OneDrive for Business and email service.
- Open-access computer labs across campus, most of which are open 24 hours a day with real-time availability status.
- Free IT help and advice from the PC Clinic on campus, also via our online IT Toolkit.

lboro.ac.uk/ug2020/it

Pilkington Library

The four-storey University library is visited by all students during their time at Loughborough. Its range of invaluable services, support and facilities include:

- An extensive collection of books, journals and specialist databases
- A range of courses and online resources to enhance your skills
- Learning and research support for each academic school

- Over 1,300 study spaces, wireless networking and 250 PCs
- 24/7 opening hours during revision and exam periods.

lboro.ac.uk/ug2020/library

Mathematics Learning Support Centre

Want some extra support with mathematics and statistics? The MLSC is open to all students who need a helping hand, regardless of which course you're studying. With private and group study areas, daily drop-in sessions and free advice, guidance is never far away.

lboro.ac.uk/ug2020/maths-support

Language Centre

Learn a language alongside your studies and enhance your communication skills. The Language Centre can help to give your degree an international edge, enriching your university experience and boosting your employability. The Centre hosts a team of 20 tutors from around the world offering part-time courses and a variety of fantastic opportunities to practice your language of choice.

lboro.ac.uk/ug2020/languages





Loughborough Nightline
Confidential, student-run phonenumber



Welfare and Diversity
Promoting student wellbeing and empowerment across campus



Counselling Service
Talk confidentially with professionally trained staff



Campus security
Providing 24/7 security across campus



Looking out for our #LboroFamily

We hope that you'll enjoy every second of being a student here at Loughborough. However, we understand that it's perfectly normal to need extra support and advice from time to time, so there will always be someone to turn to on campus.



Supporting those who support you

Starting university isn't just a big step for our students – it is usually quite significant for those closest to them as well.

Understandably parents, guardians, carers and your teachers will want to provide the best advice they possibly can – we want to make sure they feel informed, confident and ready to do so.

Supporting parents, guardians and carers

As well as wanting to provide support during the application journey, those closest to you will have a vested interest in your health, happiness and wellbeing as a student too.

We have a whole website dedicated to those directly involved in the decision-making process: mums, dads, grandparents, siblings, teachers, friends, carers and guardians alike. We know how important it is to keep them in the loop, both for their own peace of mind and as people who are often looked to for guidance.

You'll find heaps of information, advice and short videos that cover the following areas:

- What is Higher Education?
- Researching courses and universities
- The importance of open days
- Writing UCAS applications and personal statements
- Preparing for university interviews
- A parent's guide to student finance
- Getting through results day
- Things to know about accommodation
- Student support on campus
- Graduate employability

lboro.ac.uk/ug2020/parents

Information and resources for your teacher

Your teachers will have spent a lot of time with you over the years and will know you well by now. They not only know (and care) a lot about you as an individual – they're also likely to have a good understanding of the Higher Education journey themselves.

So to help them help you we've set up a website packed with helpful resources, events and key information about the application process. We don't underestimate the value of their advice – that's why we're supporting them too.

lboro.ac.uk/ug2020/teachers

Join our parents, guardians and carers Facebook group:



lboro.ac.uk/ug2020/parents-carers-fb



Fees, finance, scholarships and bursaries

All students (UK, EU and international) should check the latest information online before applying as changes may apply in future years.

Tuition fees (UK)

2019-20 tuition fees for full-time UK entrants (including Isle of Man and the Channel Islands) are £9,250. Tuition fees for 2020-21 have not yet been confirmed by the UK Government. This applies to all undergraduate and Foundation Studies courses (except Art and Design Foundation Studies.) Lower fees apply to students on their placement or study abroad year. Please check our online prospectus for more details. Fees are reviewed annually and are likely to increase to take into account inflationary pressures.

You don't need to pay your tuition fees whilst studying – you can take out a Government student loan to cover the cost. Payment will then be deferred until you have left University and are earning a minimum salary.

lboro.ac.uk/ug2020/fees

Tuition fees (EU and international)

At the time of printing, tuition fees for students from the European Union have not been confirmed by the Government. Applicants are asked to visit the link below for the most recent available information.

lboro.ac.uk/ug2020/brexit

Details of the tuition fees for international students can be found online.

lboro.ac.uk/ug2020/international-fees

Bursaries and scholarships

Loughborough welcomes the brightest and best students, regardless of background. That's why generous packages of bursaries and scholarships are available to undergraduate students at Loughborough. To give an idea of what's on offer, the table opposite outlines the financial support available to new undergraduate students starting in 2019-20. Information for 2020-21 will be published on our website as soon as it becomes available. If there is a reduction in the undergraduate tuition fee, the University may also reduce the value of the bursaries it awards. Therefore, make sure you check online for the most up-to-date information.

lboro.ac.uk/ug2020/scholarships

Student loans (UK)

In addition to the scholarships and bursaries provided by the University, you could also be entitled to a Government loan covering tuition fees and living costs. The support available varies depending on where you live – the table opposite relates to students from England. Students from the rest of the UK and overseas should check what support they are entitled to with the appropriate student finance award agency.

At the time of printing, student loans beyond the 2019-20 year of entry have yet to be confirmed by the Government. For the most up-to-date information as it becomes available, visit the link below:

gov.uk/student-finance

Sponsorship

Company sponsorship is available for some engineering courses; information about these opportunities can be obtained directly from the relevant department. Sponsorship schemes are also offered through some professional institutions, such as the Institute of Mechanical Engineers.

In some cases, following completion of a successful placement year select students can be offered sponsorship by their host company or by applying to businesses directly.

Part-time and casual work

Want a bit of extra money in your pocket? Lots of Loughborough students choose to supplement their income by taking on a part-time job alongside their studies – find out more on our employment pages (page 49).

For further information

Details are correct at the time of printing but may be subject to subsequent changes.

We recommend visiting our website for full details and the latest information.

lboro.ac.uk/ug2020/funding



lboro.ac.uk/ug2020/funding

Loughborough University financial support 2019-20

Support	What is it?	Who's it for?	How much?	Information
Loughborough Scholarship Programme (LSP)	Cash bursaries and tuition fee waivers depending upon household income. Additional support is available for foundation year or extended undergraduate Master's degree students.	UK/EU students*	Up to £5,400 over three years (+£1,000 when a placement year is completed)	lboro.ac.uk/ug2020/funding
Mature Student Scholarships*	Cash bursaries for eligible mature students depending upon household income. Additional support is available for foundation year or extended undergraduate Master's degree students.	UK/EU students*	Up to £7,500 over three years (+£1,000 when a placement year is completed)	lboro.ac.uk/ug2020/funding
Development Trust Scholarships	Cash bursaries funded through donations from alumni and friends of the University for UK students from areas of low HE participation.	UK students	£9,000 over three years	lboro.ac.uk/ug2020/funding
Sports Scholarships	Supporting talented student athletes (competing to at least junior international level) with sporting and academic development.	UK/EU and International students	£500-£3,500 per year, depending on sport/performance level	lboro.ac.uk/sport E: sportsscholars@lboro.ac.uk
Music Tuition and Scholarships	Subsidised music lessons and scholarships for exceptional musicians.	UK/EU and International students	£200 for 8 hours. The scholarship awards up to £400.	arts.lboro.ac.uk
Care Leaver's Bursary	In addition to the LSP, care leavers could receive a further yearly cash bursary (£1,500) and tuition fee waiver (£3,000).	UK/EU students*	£13,500 over three years	lboro.ac.uk/ug2020/funding
International Scholarships	Self-funded international students are automatically considered for this scholarship.	International students	25% off first-year tuition fees	lboro.ac.uk/international-scholarships

* Not available to students from Wales, the Channel Islands and the Isle of Man. EU students are eligible for the fee waiver elements only.

Student loans 2019-20

Support	What is it?	Who's it for?	How much?	Information
Tuition fee loan	Covers the cost of tuition fees; paid back in instalments once you are earning a minimum salary.	UK/EU students	Up to £9,250 per year	gov.uk/studentfinance T: 0300 100 06 07
Maintenance loan	To help cover living costs; dependant on household income and where you live. Paid back in instalments once you are earning a minimum salary.	UK students	Up to £8,430 dependent on household income	gov.uk/studentfinance T: 0300 100 06 07

Government student loans are subject to terms and conditions.

Financial support/loans for EU students

The financial support/loans available for EU students may be subject change from 2020-21 onwards following the UK's exit from the European Union. For the most up-to-date information, visit: lboro.ac.uk/ug2020/brexit

What's included?

In addition to unforgettable experiences and a world-class education, here are a few other things that are available to Loughborough students...



ON-CAMPUS BUS TRAVEL*



HOUSING AND FINANCIAL ADVICE



ENGLISH LANGUAGE AND MATHS SUPPORT



MANY ON-CAMPUS SPORTS FACILITIES



GRADUATION CEREMONY AND GUEST TICKETS





ONSITE MEDICAL CENTRE



LIBRARY FACILITIES



WIFI PC SUPPORT AND FREE SOFTWARE



ALUMNI MEMBERSHIP



STUDENTS' UNION MEMBERSHIP



COUNSELLING, DISABILITY AND MENTAL HEALTH SUPPORT



CAREERS ADVICE AND JOB LISTINGS

Careers Network

Your time at Loughborough University will form a launchpad from which you can build an exciting career. With so many opportunities available, you'll never be short of ways to improve your employability.

Our award-winning Careers Network team is here to help and support you, offering everything from CV workshops, one-to-one advice sessions and mock interview practice to high-profile employer events.





QS GRADUATE
EMPLOYABILITY
RANKINGS 2017
1ST IN THE UK
FOR EMPLOYER-
STUDENT
CONNECTIONS



HOME TO THE UK'S
LARGEST ANNUAL
CAREERS FAIR



QS STARS
SCHEME 2017
AWARDED 5* FOR
EMPLOYABILITY



WHATUNI 2018
3RD FOR JOB
PROSPECTS

Our Careers Network team works closely with academic schools and departments across the University to ensure that every student has access to excellent careers advice and support. This includes:

- One-to-one careers guidance and drop-in advice sessions
- Presentations and workshops on career planning, CVs and job-search skills
- Practice interviews and mock assessment centres
- High profile careers fairs and on-campus employer events
- Skills masterclasses with leading employers
- Help and support with securing placements and internships
- Access to thousands of placements and graduate opportunities
- Online mentoring and advice from Loughborough alumni
- Specialist support for international students
- Dedicated enterprise staff to support students with new business ideas.

As well as the largest annual university careers fair in the UK with over 200 employers on campus, we hold lots of sector-specific events to help our students meet employers and secure high-quality placements and graduate roles. Our graduate-level employment outcomes are consistently well above the national average and it isn't hard to see why.

Part-time work

Not only is taking on a part-time job at university a great way to earn extra cash, it's also an opportunity to develop essential workplace skills that will enhance your CV. Our Careers Network advertises part-time jobs both on campus (including student ambassador work and staffing our food/drink outlets) or in the town and local area, where there are a wide range of part-time work opportunities.

lboro.ac.uk/ug2020/careers

Courtney, Sky Store



Placements and study abroad

We've got lots of experience supporting our students with work placements in a variety of roles and sectors, as well as opportunities to study and/or work overseas.



**YEAR-LONG WORK
PLACEMENT OR
OVERSEAS STUDY
AVAILABLE ON
EVERY COURSE**

Placements and work experience

Whichever undergraduate course you choose at Loughborough, you'll be able to incorporate a year in industry into your degree. About half of our students do a placement year and it's a fantastic way to gain invaluable experience in a real workplace, developing your employability skills and professional network.

Most students earn a salary during their placement and many go on to secure graduate roles with their placement employer. Students may also take part in shorter internships or work experiences in graduate-level roles. The benefits of high-quality work experience can include:

- Enhanced skills and confidence
- Improved subject understanding
- Enhanced final year academic results
- An additional University award
- Broader graduate possibilities.

The University provides access to thousands of placements and other work experience opportunities every year.

Study or work abroad

If you are interested in travelling whilst you study, there are placement opportunities in other countries too, as well as options to spend from 3-12 months at an overseas university.

For students who choose to make the most of Loughborough's excellent international links, doing a placement or studying overseas can also provide the opportunity to earn a further University award. Recent overseas destinations include Australia, Canada, USA, Singapore and various European destinations.

www.lboro.ac.uk/ug2020/study-abroad

Year in Enterprise

Loughborough's Placement Year in Enterprise scheme enables budding entrepreneurs to spend a year concentrating on their business ideas in a cohort of like-minded students.

The Year in Enterprise usually takes place between the second and third year of study and is supported by Loughborough Enterprise Network. A training course and mentoring are provided as part of this, so that students can really make the most of their year.

lboro.ac.uk/ug2020/enterprise-year

Student placements



Mark
SG Technologies
Materials Engineering

Mark completed an internship at SG Technologies, a global leader in the production of high performance magnetic components.

A common and demanding challenge within this field is deburring metal components on a large scale to exacting standards. Mark joined the team exploring ways to make this process more efficient, impressing his employers by radically reducing the deburring process to a matter of seconds and thus improving overall manufacturing costs, time and output.



lboro.ac.uk/ug2020/mark





Olivia

Colefax and Fowler
Textiles: Innovation
and Design

Olivia completed a placement at Colefax and Fowler's London showroom as a Design Assistant.

Her work spanned curating showroom collections to the management of bespoke interior design projects for both trade and private clients. She also worked as an accessories designer, introducing new lines to the soft furnishings range. Her first seasonal collection proved to be so popular that she was asked to develop a second, which continues to be stocked.



lboro.ac.uk/ug2020/olivia

COLEFAX and FOWLER

AVERAGE GRADUATE SALARY
WITH PLACEMENT - £26,501

WITHOUT PLACEMENT - £22,325

DIFFERENCE - £4,177

DLHE 2017, FOR LOUGHBOROUGH*
UNIVERSITY GRADUATES

*Mean salary for first degree, full-time students





INTERNATIONAL
QS STARS
SCHEME 2017
AWARDED 5* FOR
INTERNATIONALISATION

International students

The Loughborough family is made up of staff and students from all over the world – it's part of what makes our campus community so vibrant, friendly and inspiring. As an international student, moving to an overseas university is a big deal and we want you to feel supported and welcome every step of the way.

Meet us in your country

Our friendly and knowledgeable team have lots of experience working with students who live overseas. They travel to countries across the world to attend exhibitions and events, meeting prospective students and their families. They also support a worldwide network of representatives who can provide guidance throughout the application process. Find out when they are in your country next:

lboro.ac.uk/ug2020/international-visits

Living in the UK and Loughborough

Whilst everything you could possibly need for an incredible student experience can be found on campus, coming to Loughborough University provides our international students with a fantastic opportunity to explore the rest of the UK too.

Our central location means that we are perfectly located for just about everything; we're a 76-minute train ride away from London, with some of Britain's most glorious countryside right on our doorstep including the Peak District and Bradgate Park. East Midlands Airport is only 15 minutes away, too, if you plan on seeing more of Europe whilst you're here. Find out more about our location on pages 08-09.



lboro.ac.uk/ug2020/international

Settling in

You'll soon feel at home on campus – there's lots planned to help you adjust to life in the UK and at Loughborough University. If you arrive at London Heathrow Airport on certain days in July, August or September, our free coach service will collect and bring you straight to Loughborough with all your luggage. Once here, you'll be invited to an induction event, which is a great opportunity to meet other new international students and get any questions answered.

Freshers' Week takes place at the start of term just before teaching commences and is designed to introduce you to the student experience at Loughborough. This fun-filled week is packed with a variety of activities that will help you settle in and make friends – including the Freshers' Ball, sports events such as UV dodgeball and mini golf, a walk to Beacon Hill and movie nights with popcorn, plus so much more.

The Students' Union has an International Development Officer who works hard to represent the interest of our international student community. Across the year the Union will host a variety of social and cultural events specifically for international students, including our annual International Day.



**TIMES HIGHER EDUCATION
STUDENT EXPERIENCE
SURVEY 2018
1ST FOR GOOD COMMUNITY
ATMOSPHERE**



**EXPERT MARKET 2017
BEST VALUE UNIVERSITY
IN THE COUNTRY**



Accommodation and living costs

Non-EU international students are guaranteed hall accommodation within the same hall for any two years of their undergraduate study, providing they make Loughborough their firm choice and register for accommodation before the deadline. All rooms have free internet access too, making it really easy to stay in touch with friends and family at home. For more information on accommodation and halls, see pages 16-19.

Our campus is a friendly, secure environment and you'll feel safe at any time of the day or night. Loughborough itself is a small but busy market town with a large student population – the cost of living here is generally less than in major UK cities.

Scholarships and bursaries

We invest more than £1 million every year into funding for international students. Every eligible applicant is automatically considered for the Loughborough University International Scholarship (currently 25% of tuition fees for the first year of study) which is awarded on the basis of outstanding academic achievement and potential. Those who are awarded this scholarship will be informed when they receive their offer of a place.

lboro.ac.uk/ug2020/international-finance

Work opportunities

Once you are at Loughborough, the Students' Union run an Employment Exchange to help you find suitable part-time/vacation work. Our award-winning Careers Network offer specific career-enhancing activities for international students. They also have a dedicated International Careers Counsellor who can advise on employment, training and further study opportunities for international students.

European Economic Area (EEA) and Swiss nationals are free to work in the UK without restriction. Most other international students can now supplement their income by working up to 20 hours weekly (during term-time), during vacations (full-time), or in a full-time work placement (as part of your course.) Dependent spouses of students who are in the UK for 12 months or more are also usually allowed to work full/part-time.

Advice, support and skills

Our Student Advice and Support Service is here to make sure you are well cared for at Loughborough. They can assist with immigration, finance, employment and housing issues.

lboro.ac.uk/ug2020/isas

For students needing to improve their English language or study skills, the University runs special courses to help you. Full details will be provided to all students who receive an offer to study at Loughborough.

lboro.ac.uk/ug2020/alss

Developing your employability

All of our undergraduate courses offer the option to complete a year working on a professional/industrial placement as part of the degree, meaning that you can develop your employability before you even graduate.

Not only that, Loughborough University is home to the largest annual campus careers fair in the UK, providing our students with incredible opportunities to network with potential employers. Find out more on pages 48-53.

lboro.ac.uk/ug2020/employability

Study abroad and exchanges

If you are currently an undergraduate studying at an international university and wish to spend a semester (or even a full year) in the UK, there are a range of opportunities for you to join us. To be eligible you must have completed at least two years of a four-year degree (or one year of a three-year degree).

lboro.ac.uk/ug2020/study-abroad

Entry requirements and applying

Loughborough accepts many international qualifications. See our 'Entry requirements' and 'Applying to Loughborough' sections for more details (pages 68-75).

OUR INTERNATIONAL STUDENTS.

YOUR
FUTURE
DEPENDS
ON WHAT
YOU DO

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LETY 
BRAZIL

“... Just because you’re at university in a foreign nation doesn’t mean you have to lose touch with your roots and home. Loughborough gives you so many ways and events to stay connected, such as international meet and greets, international day, all the international student Facebook groups, the international student network, and all the nation societies, that home is never truly that far away.”

Read Lety’s full blog online:

lboro.ac.uk/ug2020/lety-blog

TICKETS



JOURNEY TIME??



LUQMAN

MALAYSIA

"... The activities we had during Freshers' Week really helped as icebreakers for all of us. Getting to know people was worth enduring my jetlag for and I had a lot of fun.

These past few years have been quite a ride and I couldn't ask for anything better. Now, I am in my third year at Loughborough and still have a lot to look forward to across my remaining year and a half."

Read Luqman's full blog online:

lboro.ac.uk/ug2020/luqman-blog



Teaching excellence

Our commitment to providing world-class teaching at Loughborough means our students can benefit from an unparalleled learning experience.

Thanks to the quality of our teaching and incredible student experience, Loughborough scores highly in major national league tables. Since the introduction of the National Student Survey in 2005, we've consistently been placed amongst the UK's top universities – something that we are incredibly proud of.

Academic staff

Loughborough's reputation attracts outstanding academics from around the world, many of whom are expert leaders in their fields. This is so important to us, as it means we can offer our students opportunities to learn from passionate subject specialists who are at the forefront of current research.

Our facilities

Our campus is not only a welcoming and friendly home for our staff and students, it's also the site of some incredible learning facilities. With purpose-built lecture theatres, state-of-the-art laboratories, £17 million STEMLab, a four-storey library, an arts centre, two theatres, dedicated 24/7 computer suites and many more additional teaching spaces, we can offer our students everything they need for a successful academic career.

A TEF GOLD university

In recognition of the outstanding quality of our teaching, Loughborough University was awarded Gold in the 2017 Teaching Excellence Framework.





INTERNATIONAL
QS STARS
SCHEME 2017
AWARDED 5* FOR
TEACHING



TEACHING
EXCELLENCE
FRAMEWORK (TEF)
GOLD

#LboroGameChangers

Dr Eugénie Hunsicker

Senior lecturer in Mathematical Sciences

Dr Hunsicker has recently received the Suffrage Science Award for her achievements in mathematics and her work encouraging others to aim for leadership roles in the sector.

The award is about forming a network of inspiring women to support others and recognises Eugénie's commitment to encouraging early-career women in mathematics.

In addition to her role lecturing in mathematics, Eugénie is the Director of Equality and Diversity in the School of Science and is active both at Loughborough and nationally in promoting inclusivity and equal opportunities in science for all diversity groups.



lboro.ac.uk/ug2020/teaching

Our research and impact

As one of the UK's top 10 research intensive universities (REF 2014) Loughborough's research is renowned for its quality and relevance, and its impact on society. Joining a university with such a passion for meeting real-life challenges is incredibly rewarding and enhances your learning experience – it'll be difficult not to feel inspired by what's going on around you.

We're proud of the research achievements in all our academic Schools, from the arts and humanities to STEM. Our Beacon programme identifies our world-class research strengths in areas like the Built Environment, while our Global Challenges programme brings expertise together across the disciplines to develop solutions to the biggest societal challenges of the day. Our Health and Wellbeing Global Challenge is pioneering exercise intervention as an alternative to conventional medicine, and our Energy Global Challenge is developing renewable energy technologies. We're striving to make the world a better place – find out more about our research:

lboro.ac.uk/ug2020/research

Queen's Anniversary Prizes

Recognising the benefits that the integration of our teaching, research and enterprise activities bring to society and the wider world, Loughborough has received seven Queen's Anniversary Prizes for Higher and Further Education in areas of service and benefit to the nation: from water and sanitation in developing countries to social policy for poor and vulnerable families to high value manufacture.

lboro.ac.uk/ug2020/qap

Opportunities for students

Our vibrant research culture enhances our degree courses and inspires cutting-edge projects for our students. Research also underpins many of our collaborations with business, public and voluntary organisations, resulting in excellent placement and graduate opportunities. The combination of these opportunities with our commitment to the welfare and personal development of our students is a distinctive feature of the Loughborough student experience.



lboro.ac.uk/ug2020/research



#LboroGameChangers

The Peter Harrison Centre for Disability Sport

Sport and Exercise Beacon

The Peter Harrison Centre for Disability Sport at Loughborough contributes significantly to research and practice in disability sport.

It undertakes testing and assessment of aerobic and anaerobic fitness, lung function, body composition and biochemical analyses of the immune system. Exercise testing is carried out in a number of settings such as the treadmill for wheelchair propulsion and running, as well as wheelchair, arm crank, handcycle and cycle ergometry.

Its two main research strands are sport performance, and health and wellbeing. The Centre's mission is to improve knowledge around Paralympic sport and promote the substantial life and health benefits gained through participation in disability sport. The Centre provides sport science support to a number of GB squads.

lboro.ac.uk/ug2020/phc



INTERNATIONAL
QS STARS SCHEME
AWARDED 5* FOR
RESEARCH



AWARDED
SEVEN QUEEN'S
ANNIVERSARY
PRIZES



TOXI-Triage

“I am inspired by the academics at Loughborough who share their research expertise and projects with well-known companies. It has encouraged me to think outside of the box with research of my own.”

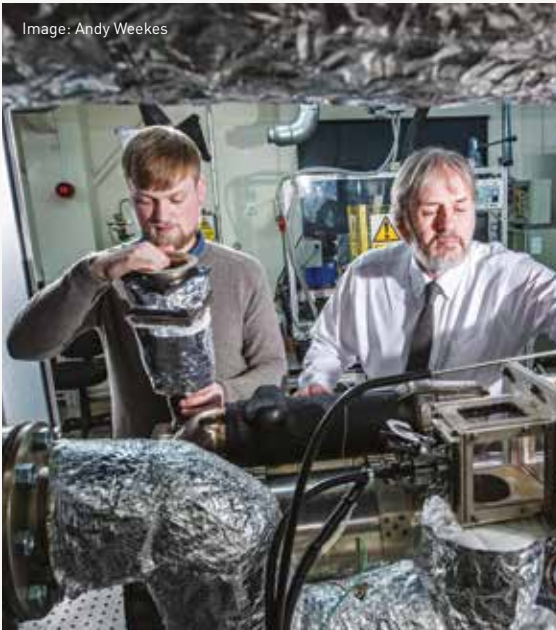
Secure and Resilient Societies Global Challenge

The University is leading a pan-European, interdisciplinary project, exploring ways to improve civil preparedness in the event of a catastrophic chemical, biological, radioactive, or nuclear (CBRN) incident in Europe.

Together, the research team have developed advanced methods to determine the level of casualty exposure to poisons; created new payloads for drones that contain radiological and poison cloud monitoring instrumentation; designed new systems for mapping the environmental impact of an incident and managing decontamination activity; developed new tools to tackle the spread of fake news during an incident; and created a way to utilise social media during an emergency situation.

These new technologies and systems will revolutionise the way emergency services across the world tackle a CBRN incident.

lboro.ac.uk/2020/toxi-triage



A breath of fresh air

Transport Technologies Beacon

In 2016, the World Health Organisation revealed that over 90% of the UK's population breathe highly polluted air every day.

Researchers from the University's Wolfson School of Mechanical, Electrical and Manufacturing Engineering have developed a ground-breaking emission reduction technology to dramatically lower NOx output in diesel cars.

The team of experts at Loughborough plan to develop the technology for license across the board to help all diesel vehicles meet emission reduction targets, making our roads cleaner and greener.

lboro.ac.uk/ug2020/breath-fresh-air



The science of talk

Communication and Culture Beacon

Researchers in social sciences at Loughborough are committed to understanding conversation in everyday and workplace settings scientifically. They have developed an innovative, research-based alternative to conventional communication skills training known as CARM (Conversation Analytic Role-Play Method), using real, recorded material instead of simulation and role-play.

CARM informs communication training in public, private and third sector organisations. To date, over 300 CARM workshops have been delivered around the world.

This research area is led by Professor Elizabeth Stokoe. Find out more about her expertise in conversation analysis by watching her TEDx Talk at the link below.

www.carmtraining.co.uk

Our alumni

“Loughborough showed me how a successful career within the construction industry can be pursued.”

Ricky Furnell

Senior Design Manager, Kier

After gaining a degree from Loughborough's School of Architecture, Building and Civil Engineering Ricky began his career with Kier in 2008 as an Assistant Design Manager within the healthcare sector, working on pre-construction and construction developments.

After a couple of successful projects Ricky transferred to the commercial sector and was promoted to Design Manager, where he was assigned to a complex PFI scheme for the London Fire Brigade. After three years on this project he moved back to the healthcare sector and achieved Senior Design Manager status. Ricky plans to continue building a career with Kier and hopes to reach Director level within 10 years.

www.kier.co.uk





Emma Wardropper

“I love helping people to feel happier, calmer and more content. Introducing mindfulness to someone is very rewarding.”

Psychotherapist and Mindfulness Teacher

Emma studied a degree with Loughborough Psychology and graduated in 2000. She worked in HR for 15 years before qualifying as a Psychotherapist and Mindfulness teacher in 2016.

Having since teamed up with two other mindfulness teachers to form her company Present Mind, Emma works to deliver mindfulness training to private, public and charitable organisations across the UK. Alongside this, she holds individual psychotherapy sessions for clients to treat a range of emotional conditions including anxiety, depression, addiction, trauma and lots more.

www.presentmind.org.uk

Applying to Loughborough

Applications for all undergraduate courses at Loughborough must be made online through the Universities and Colleges Admissions Service (UCAS). This applies to all UK, EU and international students.

How to apply

For entry in 2020, the application deadline is 15 January 2020. Applications received after this date will only be considered if places are still available. For more information about the application process visit the UCAS website.

ucas.com

Loughborough's institution name is LBRO, and our institution code is L79. The course code will depend on the degree to which you are applying.

Admissions Policy

In line with the University's Admissions Policy, applications are welcomed from students irrespective of race, colour, nationality, ethnic origin, gender, marital status, disability, religious or political beliefs, age, sexual orientation or socioeconomic background.

The diversity and wealth of experience that our students contribute to the life of our University is highly valued. As such we seek to widen access to, and participation in, higher education by raising awareness and aspirations of prospective applicants. Find out more about the University's Admissions Policy and other supporting information for applicants online:

lboro.ac.uk/ug2020/apply



lboro.ac.uk/ug2020/apply





Selection

Once your application has been received it will be individually assessed, taking into account your academic ability and potential, as well as your interest in the subject. Some courses will require you to attend an interview or provide a portfolio to supplement your application. Information regarding whether this is a requirement for a particular course can be found in our online prospectus.

lboro.ac.uk/ug2020/selection

You should have achieved or be expected to achieve the typical offer requirements for the course. Meeting this standard, however, does not guarantee an offer. Many of our courses receive numerous applications for each available place and as such we cannot offer places to all those who attain the minimum entry requirements.

The University's admissions process uses contextual information to provide insights into the context in which your academic qualifications have been achieved, to identify students with the greatest potential to succeed in higher education. Please see our website for further information about contextual admissions.

lboro.ac.uk/ug2020/contextual-admissions

If you are offered a place, you will receive a communication setting out any conditions attached to the offer, such as achievement in the academic qualifications you are currently studying towards. Your offer will also be available to view on UCAS Track. For entry in 2020, all offer conditions, both academic and non-academic, must be met by 31 August 2020. Conditions met after this deadline will only be considered if places are available.

If you already hold the qualifications required when you apply, we may ask you to send copies of these to the University so we can verify them before making a decision. UK-based applicants receiving an offer will usually be invited to attend a post-application visit day. These visits enable you to see our campus, the academic school/department and our facilities, as well as providing you with an opportunity to speak to students and staff. Offer holders can also experience the Loughborough campus via our virtual tours.

lboro.ac.uk/ug2020/virtual-tours

Advice and guidance

To help make the application process as straightforward as possible, we have produced a series of worksheets and video guides that can be found on our website. They cover topics from researching your higher education choices and making the most of open days right through to writing your personal statement and preparing for results day.

lboro.ac.uk/ug2020/application-resources

For further information contact the Admissions Office:

E: admissions@lboro.ac.uk

T: +44 (0)1509 223522

“I applied because I had heard such great things about the University. I visited for the first time when I was invited for an interview and I knew from the moment I arrived on campus that I wanted to be at Loughborough.”



Entry requirements

Loughborough accepts a wide range of qualifications for entry. The following information details our typical requirements.

This section should be read in conjunction with the information given for each course and the University's statement on the qualification reforms taking place in England, Wales, Northern Ireland and Scotland.

lboro.ac.uk/ug2020/qualification-reform

GCSE

We normally expect applicants to have a minimum of GCSE grade C/4 in English Language and, for most courses, GCSE grade C/4 in Mathematics. A higher level of achievement in specific GCSEs is required for some courses and details of these are included in the relevant course entry. An applicant's overall GCSE grade profile is also considered alongside the specific GCSE requirements listed. In terms of the numerical GCSE grading in England, we ask for a 4 as equivalent to a grade C, 6 as a grade B and 7 as a grade A.

A/AS levels

Applicants are normally expected to have at least three A levels. In many cases, specific subjects are required, and these will be indicated in the typical offers listed for the course.

General Studies is not usually accepted as one of your three A levels. A small number of courses will accept it where it complements other subjects taken. Where applicable this is stated in the typical offers listed for the course.

Critical Thinking is accepted for most courses, although other subjects may be preferred in some instances. Where the Critical Thinking A level is not accepted, you'll find details in the relevant course description.

We believe that practical skills in science are important to aid understanding of the relevant subjects. As such we will ask for the practical skills element of a science A level to be passed as part of the conditions of offer for those studying science subjects in England where it is relevant to the course to which they have applied. Where applicable this is stated in the typical offers listed for the course.

Cambridge Pre-U

We consider applicants offering Pre-U Principal Subjects or a combination of the Pre-U and A levels, provided a minimum of three subjects overall are taken. We recognise the benefit of the Global Perspectives and Research (GPR) course in developing independent study and research skills. While we would consider this as evidence of motivation to study a specific subject in more depth, we do not generally include it as part of our offer conditions. However, it may be used to further consider an application upon receipt of final examination results.

International Baccalaureate Diploma

Applicants are required to have the full International Baccalaureate Diploma with at least three subjects studied at Higher Level. As well as an overall points score, specific subjects and points will be required at Higher Level. Applicants taking IB Certificates at Higher Level outside of the full diploma may be considered on a case-by-case basis depending on overall profile, breadth and depth of study.

Scottish Highers and Advanced Highers

If you are studying Scottish Highers and Advanced Highers, you will usually need at least two subjects at Advanced Higher, sometimes in specified subjects, alongside Highers in three other subjects.

Welsh Baccalaureate Advanced Diploma/Skills Challenge Certificate

Applicants taking the Welsh Baccalaureate Advanced Diploma will be asked to achieve the A level requirements for their course as part of their qualification. The Skills Challenge Certificate will be accepted alongside two A levels providing individual course entry and subject requirements are met.

Irish Leaving Certificate

If you are studying the Irish Leaving Certificate, you will need at least five Higher Level passes.

BTECs

A combination of the National Extended Certificate/Subsidiary Diploma alongside two A levels and the National Diploma/Diploma alongside one A level are acceptable for entry to the vast majority of our degree courses. National Extended Diplomas/Extended Diplomas in relevant subjects are also suitable entry qualifications for many of our courses. However, in some cases, A levels will also be required to ensure suitable academic preparation. A certain level of achievement in specific units may also be required, particularly if these are relevant to the proposed degree.

Due to the specific nature of some of the grade and unit requirements, please refer to our online prospectus for more detailed information. We advise applicants to avoid combinations of similar subjects in their BTECs and A levels.

BTEC HND and HNC are also considered and in some cases may allow applicants to progress directly to Year 2 of the course.

Cambridge Technicals

A combination of the Cambridge Technical Introductory Diploma/Cambridge Technical Extended Certificate alongside two A levels, and the Cambridge Technical Diploma alongside one A level are acceptable for entry to the vast majority of our degree courses.

The Cambridge Level 3 Technical Extended Diploma in relevant subjects is also a suitable entry qualification for many of our courses. However, in some cases, A levels will also be required to ensure suitable academic preparation. Some courses may specify levels of achievement in specific units or ask for additional qualifications to satisfy subject requirements.

Due to the specific nature of some of the grade and unit requirements, please refer to our online prospectus for more detailed information. We advise applicants to avoid combinations of similar subjects in their Cambridge Technicals and A levels.

Access to HE Diploma

An Access to HE Diploma in a relevant subject area is considered suitable for entry to the majority of our courses. We require 60 credits overall, 45 of which should be at Level 3. In most cases, Distinction or Merit may be required in certain units.

Extended Project (EPQ)

We recognise the benefit of the Extended Project in developing independent research and critical thinking skills. We would consider this as evidence of motivation to study a specific subject in more depth, and while we do not generally include it as part of our offer conditions, it may be used to further consider an application upon receipt of final examination results.

Core Maths

Core Maths may be useful for a range of degree subjects where enhanced numerical or statistical skills are beneficial. However, Core Maths is not equivalent in size to an A level and therefore is not a suitable replacement for A level Maths where this is a required subject.

The London Institute of Banking and Finance (LIBF) qualifications

We consider the Diploma in Financial Studies (DipFS) for many of our courses when taken in conjunction with two academic A levels. We would expect to see the Certificate in Financial Studies (CeFS) already achieved, and will accept the combination of older ifs University Colleges certificates with the newly named LIBF Diploma.

AQA Baccalaureate

Entry requirements for the AQA Baccalaureate are based on the three A levels taken within the overall qualification. Students taking the AQA Baccalaureate should therefore refer to our standard A level typical offers for their chosen course.

Open University (OU)

The Departments of Chemistry and Physics are partners in the Open University OpenPlus scheme. This allows students who have successfully completed two years of study with the Open University to progress directly to the second year of a Chemistry or Physics degree at Loughborough. For more information on the scheme see the OpenPlus website. Loughborough also recognises achievement in other Open University courses as appropriate qualifications for entry. We would normally expect 120 Level 1 credits for first year entry.

open.ac.uk/openplus

European and International Qualifications

We accept a wide range of international qualifications such as the European Baccalaureate, French Baccalaureate, German Abitur, Hong Kong DSE, and Indian Standard XII among many others worldwide, alongside well-established International Foundation Programmes. For further information about acceptable qualifications see our website.

lboro.ac.uk/ug2020/international-qualifications

We also accept a wide range of qualifications from applicants that have followed a 12-year education system in their country for entry onto our International Foundation Programme. Entry requirements for this can be found at:

lboro.ac.uk/ug2020/international-foundation

English language requirements

All applicants are required to demonstrate that they have an appropriate level of English language. We normally ask for a minimum of a grade C/4 in GCSE English Language but we also accept a range of alternative school-based qualifications from the UK and several countries, as well as tests of English for speakers of a foreign language, such as IELTS, TOEFL and Pearson.

Please be aware that because of the nature of certain subject areas, some courses require higher levels of achievement in English language. Details of any additional GCSE English requirements are included in our course specific entry requirements. Full details of the acceptable English language and higher IELTS requirements can be found at the link below.

lboro.ac.uk/ug2020/english-language

Further information

We accept a range of additional qualifications to those listed in this section. Please contact our Admissions Office who will be happy to advise you on your specific portfolio of qualifications and whether this is acceptable for entry on to your chosen course.

E: admissions@lboro.ac.uk

T: +44 (0)1509 223522





A pink tag with a gold rope loop at the top. It contains a table of contents with subject areas and page numbers. The tag has dark blue horizontal bars at the top and bottom.

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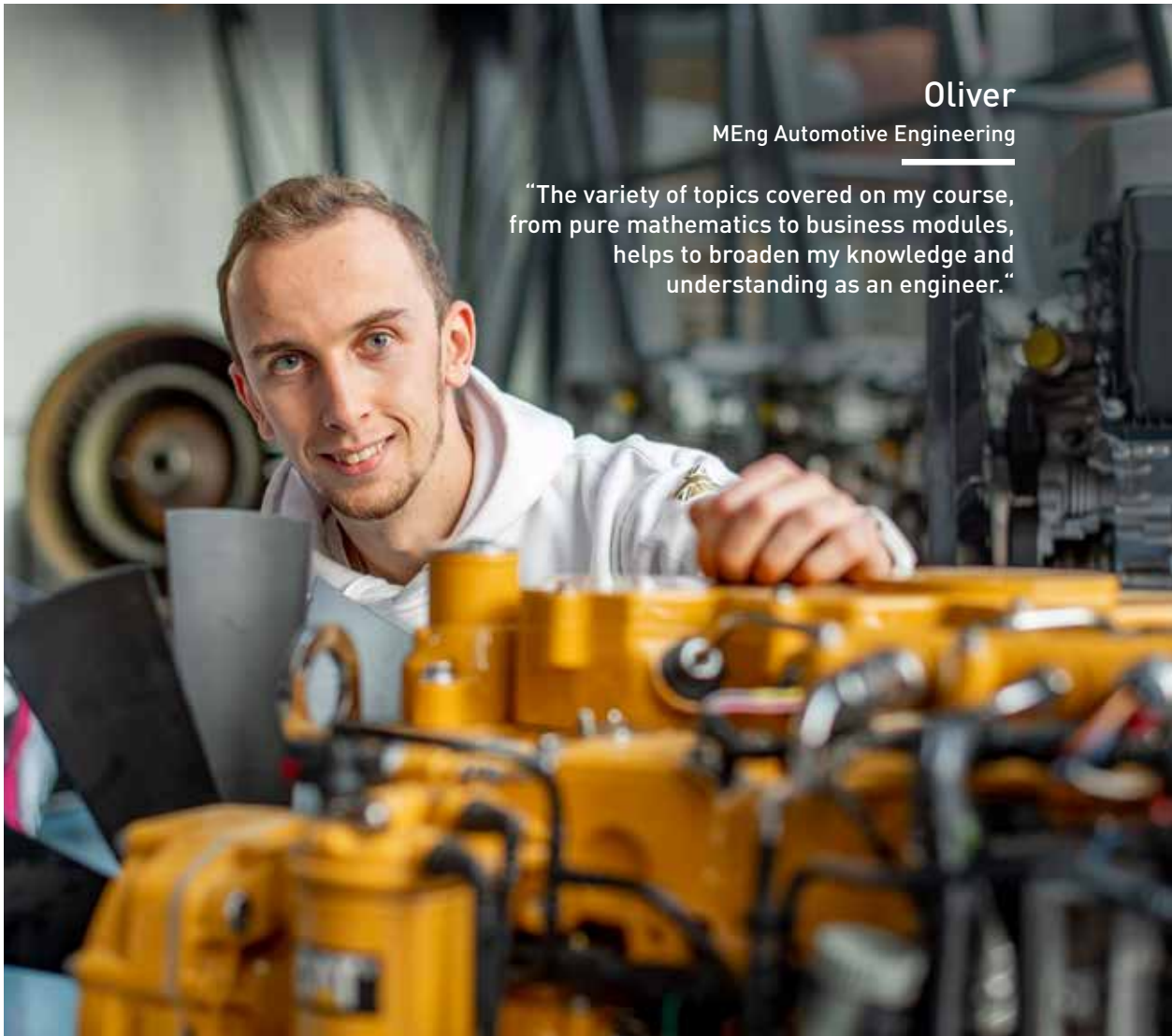
A grey tag with a gold rope loop at the top. It features the title 'OUR SUBJECT AREAS' in large, bold, dark blue letters. Below the title is a small icon of a computer monitor and the URL 'lboro.ac.uk/ug2020'.

OUR SUBJECT AREAS

 lboro.ac.uk/ug2020

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Oliver

MEng Automotive Engineering

“The variety of topics covered on my course, from pure mathematics to business modules, helps to broaden my knowledge and understanding as an engineer.”

Courses

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Automotive Engineering with a Foundation Year	p81		

Our courses are accredited by one or more of the following:



Aeronautical and Automotive Engineering

Why choose Aeronautical and Automotive Engineering at Loughborough?

We are regarded as one of the UK's leading departments to come to study Aeronautical and Automotive Engineering. We bring together outstanding facilities, superb teaching and strong links with industry to make sure you are completely ready for your future career.

You will gain the best of both worlds when studying fundamental engineering subjects combined with inspiring aeronautical or automotive engineering specialist areas. Our aeronautical and automotive engineering courses equip graduates with excellent skills that are highly sought after by industry. You can expect high quality teaching informed by the latest thinking in the aircraft, aerospace and automotive industries.

Professional recognition

Our Aeronautical and Automotive Engineering courses are accredited by the Institute of Mechanical Engineers and the Royal Aeronautical Society.

Placement year

You could spend one year on an approved industrial placement between the second and third, or third and fourth years. Having strong ties with industry, the Department provides considerable assistance with obtaining suitable placements, although the ultimate responsibility for arranging your placement lies with you.

Employability

The Department has particularly close links with BAE Systems, Bentley, British Airways, Ford Motor Company, Group Lotus, Jaguar Land Rover, JCB, MIRA, Perkins Caterpillar, Rolls-Royce and many tier one automotive suppliers.

Facilities

We have extensive laboratories and facilities including: wind tunnels, anechoic chamber, indoor UAV testing, structures testing facilities, gas-turbine engines, eight purpose-built automotive engine test cells, Hawk aircraft, 6-axis of motion road and aircraft simulator, chassis dynamometer, high and low temperature fuel cell testing facilities and numerous instrumented test vehicles.

Testing and Analysis week

Aeronautical students gain experience of testing and flight procedures during a week-long flight test course, involving up to four flights, usually in a Jetstream aircraft.

Automotive students are involved with a week of vehicle testing at the MIRA proving ground.



THE COMPLETE UNIVERSITY GUIDE 2019
TOP 10 IN UK FOR AERONAUTICAL ENGINEERING



THE TIMES GOOD UNIVERSITY GUIDE 2019
TOP 10 IN UK FOR AERONAUTICAL ENGINEERING



DLHE 2017 AVERAGE STARTING SALARY £27,000



NSS 2018 TOP 10 FOR OVERALL SATISFACTION IN AERONAUTICAL ENGINEERING



Aeronautical Engineering

MEng (Hons) DIS/DIntS*: 5 years full-time with placement year

UCAS code: H402

MEng (Hons): 4 years full-time

UCAS code: H403

BEng (Hons) DIS/DIntS*: 4 years full-time with placement year

UCAS code: H401

BEng (Hons): 3 years full-time

UCAS code: H410

Typical offers

A level: A*AA (MEng) including Maths and Physics, with A* in Maths or Physics/AAB (BEng) including Maths and Physics with grade A in Maths

IB: (MEng) 38 (7,6,6 HL)/(BEng) 35 (6,6,5 HL) including HL Maths and Physics with (MEng) 7 (BEng) 6 in HL Maths and Physics

BTEC Level 3 National Extended Diploma: (BEng only) D*DD in a relevant subject plus A level Maths grade A (see online prospectus)

Automotive Engineering

MEng (Hons) DIS/DIntS*: 5 years full-time with placement year

UCAS Code: H342

MEng (Hons): 4 years full-time

UCAS code: H343

BEng (Hons) DIS/DIntS*: 4 years full-time with placement year

UCAS Code: H341

BEng (Hons): 3 years full-time

UCAS Code: H330

Typical offers

A level: A*AA (MEng) including Maths and Physics, with A* in Maths or Physics/AAB (BEng) including Maths and Physics with grade A in Maths

IB: (MEng) 38 (7,6,6 HL)/(BEng) 35 (6,6,5 HL) including HL Maths and Physics with (MEng) 7 (BEng) 6 in HL Maths and Physics

BTEC Level 3 National Extended Diploma: (BEng only) DDD in a relevant subject plus A level Maths grade A (see online prospectus)



These courses provide knowledge to underpin engineering fundamentals, mathematical modelling and simulation, using strong themes of group work and design.

Year 1

Areas studied include aircraft systems and performance, computing, elasticity, engineering materials, engineering mechanics, fluid mechanics, introduction to aircraft design, manufacturing, technology and management, mathematics, thermodynamics and risk analysis.

Year 2

Areas studied include aircraft, control engineering, dynamics and vibration, electrotechnology, aerodynamics, structural design, turbomachinery and propulsion and systems reliability assessment.

Optional placement/study year

Optional industrial placement and/or overseas study.

Year 3

Individual project (BEng), design studies and management (MEng) plus choices from a range of optional modules.

Year 4 (MEng only)

Continue work on group project, business modelling, an individual research project and choices from a range of optional modules.

Graduate destinations

AugustaWestland, Airbus, British Airways, BAE Systems, Caterpillar, Cummins, Dyson, GKN Aerospace, Jaguar Land Rover, JCB, Group Lotus, Lockheed Martin, Marshall Aerospace, Rolls-Royce.

**Diploma in Industrial/International Studies*



Engineering knowledge is applied to automobile design, development and manufacture, with emphasis given to the use of modern analytical and Computer Aided Engineering (CAE) methods.

Year 1

Areas studied include computing, elasticity, engineering materials, engineering mechanics, fluid mechanics, mathematics, thermodynamics, risk analysis and vehicle design and development.

Year 2

Areas studied include control engineering, dynamics and vibration, electrotechnology, ground vehicle aerodynamics, internal combustion engines, machine elements and materials, vehicle loading and suspension, powertrain technologies and systems reliability.

Optional placement/study year

Optional industrial placement and/or overseas study.

Year 3

Individual project and a vehicle design project (BEng), design studies and management (MEng) plus a range of optional modules.

Year 4 (MEng only)

Students continue with the compulsory group project together with a module in advanced reliability, availability and maintainability, plus choices from a range of optional modules.

Graduate destinations

AMG Petronas Motorsport, Aston Martin, Bentley, Caterpillar, Ford, Group Lotus, JCB, Jaguar Land Rover, Red Bull Racing, Rolls-Royce.

**Diploma in Industrial/International Studies*



Aeronautical Engineering with a Foundation Year

This course is primarily for candidates who have not studied the prerequisite subjects needed for first year entry, not met their entrance requirements due to adverse situations, are a mature student returning to education or a care leaver.

Successful completion of the foundation course allows you to progress onto the first year of the undergraduate degree course.

For further details see pages 150-153 or visit the Foundation Studies web pages for information on typical offers and course content.

lboro.ac.uk/ug2020/foundation

Automotive Engineering with a Foundation Year

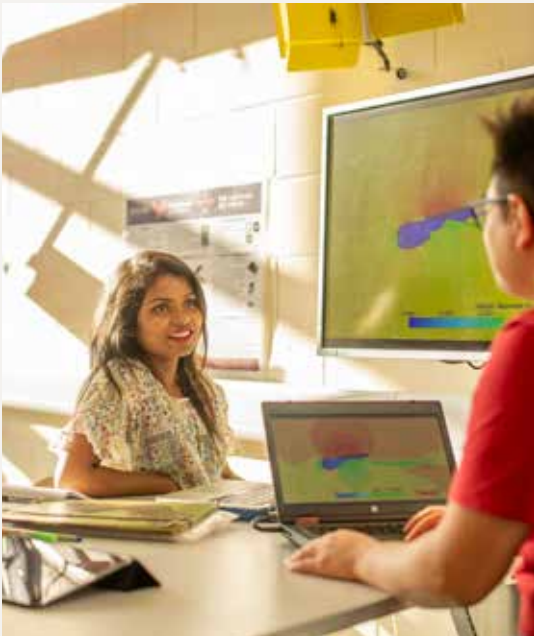
This course is primarily for candidates who have not studied the prerequisite subjects needed for first year entry, not met their entrance requirements due to adverse situations, are a mature student returning to education or a care leaver.

Successful completion of the foundation course allows you to progress onto the first year of the undergraduate degree course.

For further details see pages 150-153 or visit the Foundation Studies web pages for information on typical offers and course content.

lboro.ac.uk/ug2020/foundation

“The balance between practical and theoretical work is what I enjoy most about my course. You learn all of the knowledge needed to develop further in the field... there is also an aircraft in the department atrium which was a very attractive factor to me!”



Josh

BArch Architecture

“Don’t think twice about applying – there’s an amazing family environment here with lots of opportunities.”



Courses

Architecture
Urban Planning

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You may also be interested in...

Architectural Engineering
Civil Engineering
Construction Engineering Management

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Architecture and Urban Planning

Why choose Architecture and Urban Planning at Loughborough?

Loughborough University has a long history of excellence and influence in design and making, rooted in its earliest traditions of 'learning through doing' as Loughborough Technical Institute (1909).

Our courses bring together the best practice in education with practical experience, alongside the very latest thinking and technologies in architecture and urban planning. Specialist subject expertise, practitioner-led teaching, and hands-on experiences develop architecture and urban planning graduates who can lead in their respective fields.

Placement year

Placement students will benefit from our full support in securing a placement that best suits their skills and professional aspirations.

Unlike many other architecture courses, our BArch course integrates the essential professional practice experience crucial to becoming a qualified architect directly within the course at the end of the second year. You will meet back with us through periodic workshops, so that you return to Loughborough even better equipped to deliver an outstanding final year portfolio.

Our Urban Planning course will include an optional placement year allowing you to gain essential practical experience and professional contacts that can really move your career forward.

Research focused teaching

Our team of international experts bring their cutting-edge research, incorporating the latest digital, environmental, material and structural innovations, directly into the taught curriculum, and this is combined in the BArch Architecture with a thorough grounding in the histories and theories of architecture and urbanism, the arts and heritage.

Our Urban Planning course combines the research and teaching expertise of the School of Architecture, Building and Civil Engineering with the Department of Geography and Environment. As such, the course will help you understand the interdisciplinary perspectives needed in developing strategies for urban change. In turn, you will also develop the innovative skills required for a future driven by digital and data informed planning.

Facilities

At over 3,000m² our purpose-built, open-plan laboratory is one of the largest in the UK. It has been designed by our staff to maximise your practical learning opportunities and has benefitted from over £1 million in refurbishment and new equipment in the last five years, from traditional work-benches and hand-tools through to state-of-the-art robotic arms, laser cutters and brand-new digital fabrication and mixed-reality design suites.

The BArch Architecture course is based within its own building with two floors of open-plan studio space. Each student has an allocated workspace which allows cross-fertilisation of ideas between years for the formation of a lively, tight-knit creative culture.

Academic, technical and design staff are readily accessible to help develop a culture of continuous, informal learning and support outside of the scheduled timetable.



THE COMPLETE
UNIVERSITY GUIDE 2019
1ST IN UK
FOR BUILDING



THE TIMES GOOD
UNIVERSITY GUIDE 2019
2ND FOR GRADUATE
PROSPECTS FOR
BUILDING



THE TIMES GOOD
UNIVERSITY GUIDE 2019
1ST IN UK
FOR BUILDING



Architecture

BArch (Hons) DPS*: 4 years full-time with placement year
UCAS code: K101

Typical offers

A level: AAB (a mix of Science, Art and Humanities subjects preferred)

IB: 35 (6,6,5 HL) with 4 at SL Maths

BTEC Level 3 National Extended Diploma: DDD in a relevant subject

GCSE: GCSE Maths grade C/4



This innovative course aims to nurture strong creative design leaders who flourish in architectural practice, with first-rate communication and management skills, as well as substantial multi-disciplinary knowledge and abilities. The course aims to produce exceptional architects through an education that is immersed in hands-on experiences, complemented by the development of vital transferable skills.

Year 1

Areas studied include creative exploration and concept development, manual and digital architectural representation, architectural and art history, construction material, method and structure and building science.

Year 2

Areas studied include medium-scale design projects, advanced design skills, building performance analysis, advanced technical studies, professional practice skills, and critical and urban theory.

Compulsory placement/study year

Compulsory professional placement and/or overseas study.

Final year

Areas studied include urban interventions and community propositions, global culture and practice, adaptive reuse, research dissertation and professional practice operations.

Graduate destinations

Graduates from similar courses in the department have gone on to work at the following companies: Balfour Beatty, Bam, Kier, Laing O'Rourke, Morgan Sindall, Parsons Brinckerhoff, Tony Gee.

**Diploma in Professional Studies*

Urban Planning

MPlan (Hons) DIS*: 5 years full-time with placement year
UCAS code: K421

MPlan (Hons): 4 years full-time

UCAS code: K420

BSc (Hons) DIS*: 4 years full-time with placement year

UCAS code: K431

BSc (Hons): 3 years full-time

UCAS code: K430

Typical offers

A level: AAB MPlan/ABB (BSc)

IB: (MPlan) 35 (6,6,5 HL)/(BSc) 34 (6,5,5 HL) including 4 at SL Maths

BTEC Level 3 National Extended Diploma: D*DD (MPlan)/DDD (BSc) in a relevant subject

GCSE: min. 5 GCSEs (A*-C) (9-4) including Maths and English Language grade C/4



In addition to the core planning skills needed to mediate the competing demands and uses for space, Urban Planning has been specifically designed to develop the innovative future digital skills of planning. It combines the expertise of the School of Architecture, Building and Civil Engineering with the Department of Geography and Environment. You will gain a broad understanding of the role of planning in overcoming urban challenges and having a positive impact on society.

We will seek accreditation from RTP1 as the course develops, typically full accreditation is granted as the first cohort of students graduate.

Year 1

Areas likely to be studied include: manual and digital design skills, principles and ideas of urban planning, contemporary issues of planning and professional skills.

Year 2

Areas likely to be studied include: place making, principal research methods, environmental management and the role of planning in development.

Optional placement year

Optional professional placement.

Year 3

In addition to a major independent research project on a chosen topic of interest, other indicative areas include: transport planning, key urban planning theories and policy.

Final year (MPlan Only)

You will develop advanced skills in specialist knowledge areas of planning such as transport and infrastructure.

Graduate destinations

Urban Planning graduates are in demand across organisations such as local and national government, consultancy and development.

**Diploma in Industrial Studies*



Architectural Engineering

MEng (Hons) DIS*: 5 years full-time with placement year*
UCAS Code: HK26

MEng (Hons): 4 years full-time
UCAS code: HK25

BEng (Hons) DIS*: 4 years full-time with placement year*
UCAS Code: HK24

BEng (Hons): 3 years full-time
UCAS Code: HK23

This is a multidisciplinary engineering design course focusing on integration of structural engineering, architecture and building energy performance.

See page 122 for more information.

**Diploma in Industrial Studies*



“I find each of my modules constantly eye-opening and I love it when they come together to enrich my designs.”



Georgena

BA Textiles: Innovation and Design

“I love that we have studio spaces and are able to dye our own yarn ready for weaving.”

Courses

Fine Art
Graphic Communication and Illustration
Textiles: Innovation and Design
Art and Design Foundation Studies

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You may also be interested in...

Architecture
Industrial Design and Technology
Product Design and Technology

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Arts

Why choose Arts at Loughborough?

Each of our courses is designed to inspire talented individuals with the drive and determination to succeed. We provide a rich palette of opportunities to enhance your existing skills, including access to our multi-million pound facilities, teaching from research-active staff, contact with prominent contemporary industry links and superb entrepreneurial support.

Professional placement year

We have strong links with the creative industries and cultural sector, which help our students secure placements in the UK and internationally. These placements offer an invaluable opportunity to advance your skills and apply your knowledge in a working environment.

Recent placement destinations include H&M Stockholm, The Walt Disney Company, Monsoon, Liberty, M&S, White Stuff, Sony Europe, Deloitte, IBM, Concerto Group and the Manufacturing Technology Centre. Roles include artist's assistant, marketing intern, events assistant, artist in residence, graphic designer, concept designer/artist, studio assistant, fabric sourcing intern, buying intern and product development assistant.

Facilities

Our students have access to our state-of-the-art facilities, which open up an exciting variety of creative opportunities. They provide industry-standard production possibilities and an unparalleled level of professional training.

These are housed in our six superior creative art and design hubs:

- Creative Digital Technologies and Photography
- Textiles: Print, Dye and Stitch, Digital Embroidery and Woven/Constructed Textiles
- Metals, Plastics, Wood and Laser
- Painting and Printmaking
- Ceramics and Mouldmaking
- Performance and Rehearsal Spaces, Costumes, Sets and Props



THE COMPLETE
UNIVERSITY GUIDE 2019
TOP 3 IN UK FOR
ART AND DESIGN



THE GUARDIAN
UNIVERSITY GUIDE 2019
TOP 3 IN UK FOR
FASHION AND TEXTILES



QS WORLD RANKINGS
BY SUBJECT 2018
WORLD TOP 40 FOR
ART AND DESIGN



Fine Art

BA (Hons) DPS/DIntS*: 4 years full-time with placement year[#]

UCAS code: W101

BA (Hons): 3 years full-time[#]

UCAS code: W100

Typical offers

A level: A typical offer for applicants without a foundation course is ABB from 3 A levels

IB: 34 (6,5,5 HL)

BTEC: Applicants with a UAL Level 3 Diploma in Art and Design (Foundation Studies, BTEC Foundation Diploma/BTEC National Extended Diploma or similar) will be considered



This course emphasises the relationship between practice and theory, enabling cognitive skills to be intrinsic to studio-based practice. Exceptional facilities and expertise support a range of practices, ranging from drawing, painting, sculpture, ceramics, moving image, photography, to temporal performance.

The focus on connections between art, culture and politics, in relation to the public sphere, sustainability, environmental aesthetics, and identity in a global community, means that a Fine Art degree provides students with an array of transferable skills and employment opportunities within the creative industries.

Year 1

Areas studied include introduction to fine art, drawing, developing fine art practice, and modern and contemporary art and design.

Year 2

Areas studied include reflective fine art practices, contemporary art and aesthetics, and locating fine art practice.

Optional placement/study year

Optional professional placement and/or overseas study.

Final year

Areas studied include resolving fine art practice and an art and design dissertation, leading you to develop your final degree show.

Graduate destinations

Hepworth Gallery, Nottingham Lakeside Arts, Sandra Higgins, Smashbox Cosmetics, Soup Creative, The Contemporary, Chester, The London Taxidermy Academy, and Woodread Creative Consultancy.

**Diploma in Professional/International Studies*

[#]Please note that you can move between the three- and four-year versions of the same course once enrolled.

Graphic Communication and Illustration

BA (Hons) DPS/DIntS*: 4 years full-time with placement year[#]

UCAS Code: W901

BA (Hons): 3 years full-time[#]

UCAS Code: W900

Typical offers

A level: A typical offer for applicants without a foundation course is ABB from 3 A levels

IB: 34 (6,5,5 HL)

BTEC: Applicants with a UAL Level 3 Diploma in Art and Design (Foundation Studies, BTEC Foundation Diploma/BTEC National Extended Diploma or similar) will be considered



This course has an enviable reputation for developing students into superb visual thinkers who excel in related industries. You will develop creative ideas and related visualisation skills, equipping you with the fundamental ingredients for a successful career, as well as the very best opportunities to grow as a creative practitioner, with chances to showcase your work at exhibitions.

It is a flexible degree that can be tailored to your interests; for example, in app development, animation, visual identity and branding, illustration, photography, typography and publishing, or graphic design in general.

Year 1

Areas studied include visual research and methods, drawing, and an introduction to modern and contemporary art and design.

Year 2

Areas studied include content and context of society, culture and economy, histories and theories and interpreting environments and audiences.

Optional placement/study year

Optional professional placement and/or overseas study.

Final year

Areas studied include focused specialised practice and synergising directions in graphic communication and illustration, as well as an industrial intelligence report or art and design dissertation.

Graduate destinations

Graduate careers have included: photography, art direction, graphic design, publishing, illustration, video production, television and film, artist, curator, art buyer, art editor, marketing, art director for advertising, branding, performing arts, exhibition and display design, app designer, comic illustrator, public relations, advertising and artist's agents.

**Diploma in Professional/International Studies*

[#]Please note that you can move between the three- and four-year versions of the same course once enrolled.



“One of the aspects of the course that I enjoy the most is being able to come into the studio and work in a relaxed environment.”



“During my placement year I specialised in creating digital prints. These were pitched to buyers from an array of high street stores, with a number of my designs reaching shop floors.”



Textiles: Innovation and Design

BA (Hons) DPS/DIntS*: 4 years full-time with placement year[#]

UCAS code: J420

BA (Hons): 3 years full-time[#]

UCAS code: WJ24

Typical offers

A level: A typical offer for applicants without a foundation course is ABB from 3 A levels

IB: 34 (6,5,5 HL)

BTEC: Applicants with a UAL Level 3 Diploma in Art and Design (Foundation Studies, BTEC Foundation Diploma/BTEC National Extended Diploma or similar) will be considered



This course offers you an outstanding, commercially relevant and innovative insight into the field of contemporary textiles and provides the opportunity to develop your skills through one of the four specialist pathways – Multi-Media Textiles, Weave, Print or Integrated Digital Practice, all of which are supported by excellent facilities and technical expertise. The degree combines traditional and hand processes with digital technologies and has extensive links with industry.

Year 1

Areas studied include drawing, introduction to modern and contemporary art and design, visual research, design development, and textiles process and exploration.

Year 2

Areas studied include materials, processes and conceptual application, sampling and textile manufacture, and professional and business practice.

Optional placement/study year

Optional professional placement and/or overseas study.

Final year

Areas studied include a textiles research report, innovation and interaction, and a final textiles studio practice project.

Graduate destinations

Recent graduates are employed as designers and buyers in major national and international fashion and interior companies, also as magazine stylists, freelance designers, textile artists and more. Destinations include H&M, Burberry, Matthew Williamson and Next.

**Diploma in Professional/International Studies*

[#]Please note that you can move between the three- and four-year versions of the same course once enrolled.

Art and Design Foundation Studies

Entry for this course is not through UCAS. Applications should be made directly to the University.

lboro.ac.uk/aed/foundation

Typical offers

A level: Two passes at A level grade C minimum (excluding General Studies). It is preferred that one of your A level subjects is art or design related but this is not mandatory. Please note that applicants with AS level qualifications only will not be considered

IB: Pass with 28 points overall, including SL or HL English Language A grade 4, HL English Language B grade 5, and SL or HL Maths grade 4

GCSE: Applicants aged under 19 years on 31 August in the year of entry must have English Language and Maths at grade C minimum. All applicants must have English Language at grade C minimum

Art and Design Foundation Studies is a fast-paced, fun and creative course that leads to a UAL Level 3 Diploma in Art and Design Foundation Studies. Satisfactory completion of the course allows progression onto undergraduate courses in art and design.

The primary aim of the course is to prepare you for Higher Education, building upon prior experience and skills. It is characterised by experimental and integrated learning, relying upon the development of manual skills, whilst valuing the accidental and disruptive results that can occur.

All foundation applicants who meet our entry requirements will be invited to a portfolio assessment where a member of our staff will assess your work. During this you will be invited to tour our facilities and meet our academic staff and technical tutors.

At Loughborough, Art and Design Foundation students can progress onto the following courses:

- Fine Art BA (Hons)
- Graphic Communication and Illustration BA (Hons)
- Textiles: Innovation and Design BA (Hons)

Fern

MEng Bioengineering

“I enjoy Maths and Biology and wanted to apply my knowledge to engineering principles.”



Courses

Bioengineering	p94	You may also be interested in...	
Biomaterials Engineering	p94	Chemical Engineering	p114
Bioengineering with a Foundation Year	p95	Materials Science and Engineering	p166

Our Biomaterials Engineering course is accredited by:



Bioengineering

Why choose Bioengineering at Loughborough?

Bioengineering is a cutting-edge, multidisciplinary subject that bridges the gap between medicine and engineering for the enhancement of human health, sport and lifestyle.

Our bioengineering courses are taught by international experts supported by world-class facilities. They combine expertise from several of Loughborough's departments, each with outstanding reputations for teaching and employability. Bioengineering brings together excellence in engineering training from Chemical, Materials, Mechanical, Manufacturing, and Electrical Engineering. This is combined with training from Loughborough's School of Sport, Exercise and Health Sciences which has an excellent international reputation for its teaching.

Since 2009 our biological engineering research has attracted over £20 million of external investment. This expertise has been utilised in creating our first undergraduate courses in bioengineering, representing the very latest knowledge in this rapidly developing discipline.

Placement year and study abroad

All our courses offer the option to complete a salaried year in industry or to undertake international study exchanges or work placements overseas.

We encourage students to spend a year in industry to acquire skills in an industrial environment and significantly enhance their career prospects. The industrial year is supervised and on successful conclusion graduates are awarded a Diploma in Industrial Studies (DIS)

in addition to their degree. Close links with industrial partners means we are able to provide our students with considerable help in sourcing, securing, supporting and assessing their placement.

Employability

Our first graduate cohort will complete their degrees in 2020. Bioengineering is a growing sector and we expect our bioengineering graduates to be in high demand since the subject covers the entire breadth of engineering and manufacturing activity across many bioengineering and biotechnology industrial sectors. Graduate roles span research and development, technical specialist, production, project and research management through to business and enterprise development.

Bioengineering is also following the normal process for accreditation with the Institute of Mechanical Engineers (IMechE).

Facilities

STEMLab is a £17 million investment in new state-of-the-art laboratory facilities and part of a wider £25 million investment in our campus, which includes an adjacent student learning and teaching hub. It offers a suite of laboratories for practical work in Bioengineering, allowing students crucial opportunities to gain applied experience with biological samples in a safe and modern facilities environment.

Additionally, we have invested £4 million into the facilities in S-Building, home to our Bioengineering course. This contains laboratory space and equipment including a new 87-seater IT Laboratory for taught sessions, project work and private study.



THE GUARDIAN
UNIVERSITY GUIDE 2019
7TH IN UK FOR
ENGINEERING



HESA 2016/17 FOR
ENGINEERING AND
TECHNOLOGY
15% MORE ENGINEERING
STUDENTS ON YEAR-
LONG PLACEMENTS
THAN ANY OTHER UK
UNIVERSITY



DLHE 2017
£27,000 AVERAGE
STARTING SALARY FOR
ALL LOUGHBOROUGH
ENGINEERING
GRADUATES

Bioengineering

MEng (Hons) DIS/DIntS*: 5 years full-time with placement year

UCAS code: H163

MEng (Hons): 4 years full-time

UCAS code: H162

BEng (Hons) DIS/DIntS*: 4 years full-time with placement year

UCAS code: H161

BEng (Hons): 3 years full-time

UCAS code: H160

Typical offers

A level: AAA (MEng)/AAB (BEng) including Maths and one from Chemistry, Biology or Physics

IB: (MEng) 37 (6,6,6 HL)/(BEng) 35 (6,6,5 HL) including Maths HL and one of Biology, Chemistry or Physics at HL

BTEC Level 3 National Extended Diploma: D*DD (MEng)/DDD (BEng) in a relevant subject plus A level Maths grade A



An exciting new interdisciplinary course in the application of engineering to biology and medicine.

Year 1

Areas studied include bioengineering projects, engineering science, mathematical methods, CAD and engineering drawing, electronics, materials, engineering analysis and modelling, anatomy and physiology.

Year 2

Areas studied include advanced engineering science, mathematics and computation, digital systems, control engineering, materials characterisation, biochemistry, cell biology and bioengineering design projects.

Optional placement/study year

Salaried industrial placement and/or overseas study.

Year 3

Areas studied include a substantial bioengineering individual project, biomedical component design, healthcare engineering, research and innovation, bioelectricity and biophotonics, plus options in emerging technologies, medical devices and sports bioengineering.

Year 4 (MEng only)

Areas studied include an advanced team design project, business plans, advanced reliability plus options including neuromuscular function, and regenerative medicine.

Graduate destinations

As this is a new course, we don't have any graduates yet. Areas of application within diverse biotechnology sectors include prosthetics, implantable technology, medical devices, imaging and diagnostics, robotic surgery, engineered tissues and regenerative medicine.

**Diploma in Industrial/International Studies*

Biomaterials Engineering

MEng (Hons) DIS/DIntS*: 5 years full-time with placement year

UCAS code: J5BX

MEng (Hons): 4 years full-time

UCAS code: J5BW

BEng (Hons) DIS/DIntS*: 4 years full-time with placement year

UCAS code: J5BZ

BEng (Hons): 3 years full-time

UCAS code: J5BY

Typical offers

A level: AAA (MEng)/ABB (BEng) including two from Maths, Physics, Chemistry and Biology

IB: (MEng) 37 (6,6,6 HL)/(BEng) 34 (6,5,5 HL) including any two of Maths, Biology, Chemistry or Physics at HL

BTEC Level 3 National Extended Diploma: D*DD (MEng)/DDM (BEng) with distinction in Maths modules



This course offers a route into the important and growing area of materials that are bio-compatible and/or bio-derived and those designed for use in the biomedical sector.

Year 1

Areas studied include materials science, experimentation and practical skills, CAD, engineering analysis and modelling, thermodynamics, mechanics, product design, mathematics for materials, processing and applications of materials. Year 1 of all Materials courses is identical for greater flexibility.

Year 2

Areas studied include anatomy and physiology, chemical and biochemical processes, biomaterials, materials processing, materials in service, fracture mechanics, statistics, and mathematics.

Optional placement/study year

Salaried industrial placement and/or overseas study.

Year 3

Areas studied include biomedical component design, biomaterials for drug delivery, biochemical engineering, composite materials, inclusive design ageing disability and vulnerability, surface engineering, and a substantial biomaterials individual project.

Year 4 (MEng only)

Areas studied include advances in biomaterials, advanced characterisation techniques, materials modelling, advanced biochemical engineering, and a group design project.

Graduate destinations

Areas of application include health, sport and lifestyle sectors, regenerative medicine, and biomaterials and medical device technology.

**Diploma in Industrial/International Studies*



Bioengineering with a Foundation Year

This course is primarily for candidates who have not studied the prerequisite subjects needed for first year entry, not met their entrance requirements due to adverse situations, are a mature student returning to education or a care leaver.

Successful completion of the foundation course allows you to progress onto the first year of the undergraduate degree course.

For further details see pages 150-153 or visit the Foundation Studies web pages for information on typical offers and course content.

lboro.ac.uk/ug2020/foundation

“I enjoy the variety of subjects covered on my course and I like collaborating with students from other science and engineering disciplines. The machinery and software are the same as those used in industry, so I know that the course is preparing me well for a career in STEM.”



Mohammed

BSc Human Biology

“I enjoy the practical aspects of my course. Recently we tested samples that mimic HIV to determine if they were positive or negative.”



Courses

Biochemistry	p98	You may also be interested in...	
Biological Sciences	p98	Chemistry	p118
Human Biology	p100	Medicinal and Pharmaceutical Chemistry	p118
Biochemistry with a Foundation Year	p100	Natural Sciences	p184
Biological Sciences with a Foundation Year	p101		
Human Biology with a Foundation Year	p101		

Biosciences

Why choose Biosciences at Loughborough?

These courses are designed to develop an understanding of the scientific processes required to address some of the most important issues of our times. They draw on the University's established reputation in individual sciences, as well as multidisciplinary expertise in such areas as regenerative medicine, health, nutrition and physical activity.

You will benefit from our state-of-the-art STEMLab facilities, including a purpose-built and designed biology laboratory, alongside other high quality teaching and learning environments. You will also benefit from the teaching and research insights of our internationally renowned academic staff.

Professional placement year

Our long-standing connections with a range of organisations from pharmaceutical companies to the health sector provide opportunities for year-long professional placements that can help develop essential skills and boost employability.

We encourage and support any student wishing to undertake a placement or study abroad opportunity.

Facilities

STEMLab is a £17 million investment in new state-of-the-art laboratory facilities and part of a wider £25 million investment in our campus which includes an adjacent student learning and teaching hub.

STEMLab includes a suite of laboratories for practical work in biosciences, allowing students crucial opportunities to gain applied experience with biological samples in a safe and modern environment.

Career opportunities

Career opportunities for biosciences graduates exist within scientific and medical research, industrial research and development, analytical laboratory work, scientific or clinical writing, as well as in specific subject areas depending on the course and topics studied.

Beyond science-specific careers our degree courses will serve as exceptional preparation for a wide variety of careers in the private or public sector. Examples include in industry, commerce, finance or management or alternatively within service delivery, organisation and administration.



THE GUARDIAN
UNIVERSITY GUIDE 2019
TOP 20 IN UK FOR
ANATOMY AND
PHYSIOLOGY



£17M STEMLAB
TEACHING
FACILITIES



Biochemistry

MSci (Hons) DPS/DIntS*: 5 years full-time with placement year

UCAS code: C701

MSci (Hons): 4 years full-time

UCAS code: C703

BSc (Hons) DPS/DIntS*: 4 years full-time with placement year

UCAS code: C700

BSc (Hons): 3 years full-time

UCAS code: C702

Typical offers

A level: AAA (MSci)/AAB (BSc) including Chemistry plus one other Science or Maths

IB: (MSci) 37 (6,6,6 at HL)/(BSc) 35 (6,6,5 at HL) including HL Chemistry and one other Science or Maths at HL

BTEC Level 3 National Diploma in Applied Science:

D*D plus A (MSci)/B (BSc) A level Chemistry

GCSE: GCSE Maths grade C/4



This course offers a thorough grounding in biology and chemistry, with an emphasis on practical laboratory work. It is centred on molecular level processes and effects, particularly those of importance for human health.

Year 1

Areas studied may include fundamental chemistry, biochemistry and cell biology, structure and reactivity, genetics and molecular biology, and data analysis and scientific skills.

Year 2

Areas studied may include cellular signalling and transport, functional genomics, lab skills, metabolic basis of health, research methods, and anatomy and physiology.

Optional placement/study year

Optional professional placement or overseas study.

Year 3

Areas studied may include a research project as well as options including advanced genetics of health, pharmaceutical analysis and drug metabolism and virology and oncology.

Year 4 (MSci only)

In addition to a major independent research project on a chosen subject of interest, other areas studied may include contemporary health issues and advanced laboratory and research methods in biology.

Graduate destinations

Examples may include biomedical science, healthcare support and forensic science.

**Diploma in Professional/International Studies*

Biological Sciences

MSci (Hons) DPS/DIntS*: 5 years full-time with placement year

UCAS code: C101

MSci (Hons): 4 years full-time

UCAS code: C103

BSc (Hons) DPS/DIntS*: 4 years full-time with placement year

UCAS code: C100

BSc (Hons): 3 years full-time

UCAS code: C102

Typical offers

A level: AAA (MSci)/AAB (BSc) including Biology plus one other Science or Maths

IB: (MSci) 37 (6,6,6 at HL)/(BSc) 35 (6,6,5 at HL) including HL Biology and one other Science or Maths at HL

BTEC Level 3 National Diploma in Applied Science:

D*D plus A (MSci)/B (BSc) A level Biology

GCSE: GCSE Maths grade C/4



This course addresses the fundamental processes underlying life and health in whole organisms. It has a core of biology and covers topics within biological sciences, as well as molecular, cellular and organism level processes.

Year 1

Areas studied may include evolution and adaptation, anatomy and physiology, cell biology, genetics and molecular biology, biochemistry, data analysis and scientific skills.

Year 2

Areas studied may include research methods and data analysis, exercise physiology, cellular signalling and transport, functional genomics, metabolic basis of health and growth, development and ageing.

Optional placement/study year

Optional professional placement or overseas study.

Year 3

Areas studied may include a research project as well as options including genetics of health, regenerative medicine and human performance at environmental extremes.

Year 4 (MSci only)

In addition to a major independent research project on a chosen subject of interest, other areas studied may include contemporary health issues and advanced laboratory and research methods in biology.

Graduate destinations

Examples include medical and veterinary product development and postgraduate medicine.

**Diploma in Professional/International Studies*





“I’ve been so impressed with the standard of lectures and feedback, as well as the laboratory sessions and equipment.”

Human Biology

BSc (Hons) DPS/DIntS*: 4 years full-time with placement year
UCAS code: B151

BSc (Hons): 3 years full-time
UCAS code: B150

Typical offers

A level: ABB including at least one Science (Biology preferred)

IB: 34 (6,5,5 HL) including a Science subject at HL (preferably Biology)

BTEC Level 3 National Extended Diploma in Applied

Science or Forensic Science: DDM with majority of units at distinction

GCSE: GCSE Maths and English Language grade C/4 (grade B/6 preferred)



Human Biology is the study of the structure and function of the human body, how the human species evolved, how we change over the lifespan, adapt to life stressors, and how our human biology and culture influence disease risk. The degree course is unique in its integrative and systematic approach and its global perspective.

Year 1

Areas studied include anatomy and physiology, genetics and molecular biology, biochemistry and cell biology, human evolution and adaptation, lab skills, and data analysis and study skills.

Year 2

Areas studied include human nutrition, growth, development and ageing, exercise physiology, functional genomics, and research methods.

Optional placement/study year

Optional professional placement or overseas study.

Final year

Areas studied include human performance at environmental extremes, infectious diseases in humans, body composition, lifestyle and disease, virology and oncology, regenerative medicine, plus a major research project.

Graduate destinations

Career opportunities exist in scientific and medical research, teaching, clinical scientist roles, analytical laboratory work, scientific or clinical writing, marketing or sales within health service, government, local authorities, industry and charitable and international organisations.

**Diploma in Industrial/Professional/International Studies*

Biochemistry with a Foundation Year

This course is primarily for candidates who have not studied the prerequisite subjects needed for first year entry, not met their entrance requirements due to adverse situations, are a mature student returning to education or a care leaver.

Successful completion of the foundation course allows you to progress onto the first year of the undergraduate degree course.

For further details see pages 150-153 or visit the Foundation Studies web pages for information on typical offers and course content.

lboro.ac.uk/ug2020/foundation



Biological Sciences with a Foundation Year

This course is primarily for candidates who have not studied the prerequisite subjects needed for first year entry, not met their entrance requirements due to adverse situations, are a mature student returning to education or a care leaver.

Successful completion of the foundation course allows you to progress onto the first year of the undergraduate degree course.

For further details see pages 150-153 or visit the Foundation Studies web pages for information on typical offers and course content.

lboro.ac.uk/ug2020/foundation

Human Biology with a Foundation Year

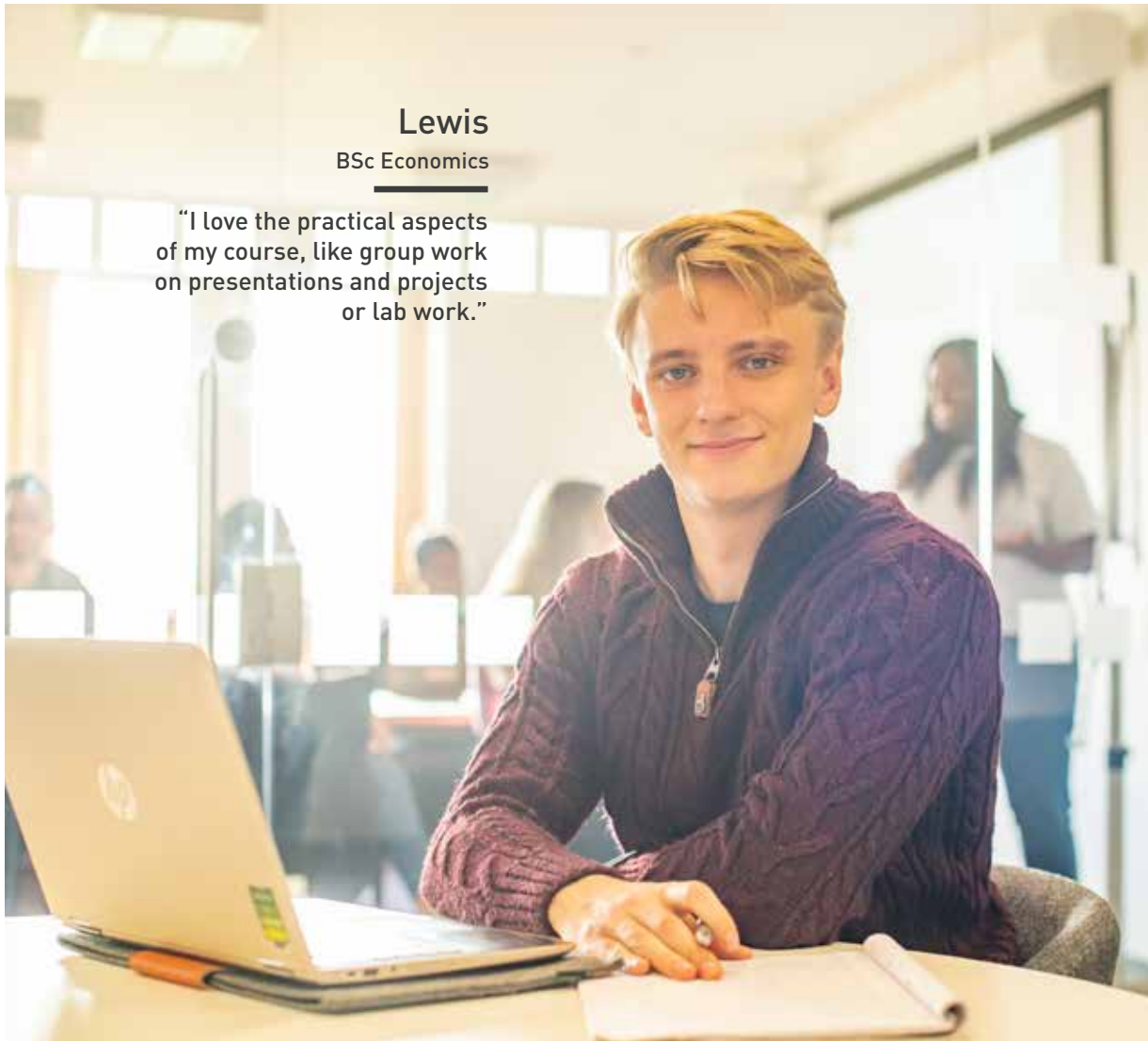
This course is only available to students performing at a very high standard in a chosen sport, who wish to study at Loughborough, but do not have the required qualifications due to sporting commitments.

Successful completion of the foundation course allows you to progress onto the first year of the undergraduate degree course.

For further details see pages 150-153 or visit the Foundation Studies web pages for information on typical offers and course content.

lboro.ac.uk/ug2020/foundation





Lewis

BSc Economics

“I love the practical aspects of my course, like group work on presentations and projects or lab work.”

Courses

Accounting and Financial Management
Finance and Management
Business Analytics
International Business
Management
Marketing and Management
Economics
Business Economics and Finance
Economics and Management
Business with a Foundation Year
Economics with a Foundation Year

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You may also be interested in...

Business Psychology
Computing and Management
English with Business Studies
Geography and Management
Geography with Economics
Information Technology Management for Business
Mathematics and Accounting and Financial Management
Mathematics with Economics
Politics with Economics

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Business and Economics

Why choose Business and Economics at Loughborough?

We are committed to developing well-rounded, highly sought-after graduates equipped to succeed in today's global economy. All around the world our graduates help businesses, organisations and governments improve performance and make better decisions.

Consistently ranked as a top 10 UK business school, we aim to provide an exceptional learning experience. We work with over 2,000 organisations worldwide to ensure our teaching is informed by the latest best practice and research insights.

Internationally accredited

The School of Business and Economics is a triple-accredited (AACSB, EQUIS, AMBA) UK business school. These international accreditations validate the high quality of education offered on our business and economics courses, from teaching and research to student support and facilities.

Study methods

You will encounter a rich diversity of teaching and learning experiences, from lectures and tutorials to syndicate discussion groups, workshops, presentations, supervised computer sessions, and visiting speakers from industry and commerce.

Placement year and study abroad

Loughborough was one of the pioneers of integrating placements into its degrees and now has over 40 years of experience doing this. All our business students spend a year on a salaried professional placement or alternatively

studying abroad at one of our partner universities around the world, as an integral part of their four-year course. Our economics students have the option of extending their course to a four-year degree by taking a salaried placement year or by studying abroad.

Those wishing to study abroad can choose from around 25 partner institutions from around the world, developing highly prized intercultural skills that employers are looking for.

Career prospects

Graduates from both our business courses and economic courses are in great demand. 91% of our graduates are in graduate level employment and/or graduate level further study (The Times and Sunday Times, 2019). Our 2017 graduates have an average starting salary of £27,000+ (DHLE 2017) and many of our graduates go on to hold senior positions in major companies.

Developing your employability

Our aim is to inspire and develop the business and economics leaders of the future so we make every effort to help you develop your employability, both inside and outside of the classroom. We encourage and support you to develop your enterprise skills. Every course includes a core module that will equip you with key skills in how to study effectively, secure a placement and develop your employability. In addition, several of our courses include specialist modules such as critical thinking skills, research and communication, and leadership and professional development.



THE COMPLETE UNIVERSITY GUIDE 2019
TOP 5 IN UK FOR GRADUATE PROSPECTS IN ACCOUNTING AND FINANCE, BUSINESS AND MANAGEMENT STUDIES AND ECONOMICS



THE TIMES AND SUNDAY TIMES 2019
5TH IN UK FOR BUSINESS STUDIES



DLHE 2017
£27,000+ AVERAGE STARTING SALARY



THE TIMES AND SUNDAY TIMES 2019
91% RECENT GRADUATES IN GRADUATE LEVEL EMPLOYMENT AND/OR GRADUATE LEVEL FURTHER STUDY



Accounting and Financial Management

BSc (Hons) DPS/DIntS*: 4 years full-time with placement year
UCAS code: NN34

Typical offers

A level: AAB-ABB (excluding General Studies, Critical Thinking, Communication and Culture, and Citizenship Studies)

IB: 35-34 (6,6,5-6,5,5 HL) with 5 in Maths and English at SL

BTEC Level 3 National Extended Diploma: DDD

GCSE: Majority A/B (7/6) grades at GCSE including minimum grade B/6 in Maths and English Language



This course is designed to prepare you for careers in diverse areas of accounting, finance and management and to equip you to deal with the challenges of an ever-changing business world.

One of our key goals is to place accounting and financial management firmly in its business context and we offer the opportunity to study a much wider range of subjects than those included in the professional syllabuses.

This course is approved by major professional accounting bodies in the UK (ACCA, AIA, CIMA, CIPFA, and ICAEW) and graduates can gain exemptions from some of their examinations or credits for prior learning.

Year 1

Areas studied include financial accounting and analysis, quantitative business skills, law, macro and microeconomics, organisational behaviour, organisations in the international context and skills for study, placement and employment.

Year 2

Areas studied include financial reporting, management accounting, financial management, ethics in finance and accounting, financial markets and derivatives fundamentals, information management, company law, information systems development.

Compulsory placement/study abroad year

Salaried professional placement and/or overseas study.

Final year

Areas studied include advanced financial reporting, strategic management accounting, and financial management and corporate policy.

Graduate destinations

Recent examples include Accounting Associate (PwC), Operations Analyst (Goldman Sachs), Tax Advisor (EY) and Finance Analyst (Aston Martin).

**Diploma in Professional/International Studies*

Finance and Management

BSc (Hons) DPS/DIntS*: 4 years full-time with placement year
UCAS code: N300

Typical offers

A level: AAB-ABB (excluding General Studies, Critical Thinking, Communication and Culture, and Citizenship Studies)

IB: 35-34 (6,6,5-6,5,5 HL) with 5 in Maths and English at SL

BTEC Level 3 National Extended Diploma: DDD

GCSE: Majority A/B (7/6) grades at GCSE including minimum grade B/6 in Maths and English Language



Today's ever evolving global finance sector requires professionals and managers equipped to deal with complex problems.

This degree will help you develop vital technical skills that will give you a head start pursuing a career in finance. It is one of only a small number of undergraduate finance and management courses in the UK, covering topics that are often seen only at master's level. It combines rigorous finance theory with general management studies to prepare you for a successful career in financial services or general management.

Year 1

Areas studied include quantitative business skills; micro and macroeconomics; financial accounting and analysis; principles of law; organisational theory; and skills for study, placement and employment.

Year 2

Areas studied include economics of the financial system; financial management and corporate finance; financial markets and derivatives; ethics in finance and accounting; more advanced mathematical methods; management accounting and business information management.

Compulsory placement/study abroad year

Salaried professional placement and/or overseas study.

Final year

Students will take core modules in portfolio management and financial trading; and specialised optional modules in financial risk management; behavioural finance; and multinational financial management; plus choices from a wide range of other optional modules.

Graduate destinations

This degree equips graduates for financial careers in industry as well as finance. We have very close links with banks, asset managers and other financial institutions, nationally and internationally. Whilst our graduates are in high demand in the financial services sectors, a number have chosen to move into accounting and general management.

**Diploma in Professional/International Studies*





“I completed my placement at Aston Martin as a Finance Analyst. I covered various projects, such as creating an efficient cost model, the integration of finance systems and building a cost management model.”



Business Analytics

BSc (Hons) DPS/DIntS*: 4 years full-time with placement year

UCAS code: N2N1

Typical offers

A level: AAB-ABB (excluding General Studies, Critical Thinking, Communication and Culture, and Citizenship Studies)

IB: 35-34 (6,6,5-6,5,5 HL) with 5 in Maths and English at SL

BTEC Level 3 National Extended Diploma: DDD

GCSE: Majority A/B (7/6) grades at GCSE including minimum grade B/6 in Maths and English Language



Business Analytics is a major growth area in the commercial world. This new course addresses the growing demand for skilled graduates who can use 'big data' to help businesses make better-informed decisions and manage both information and digital innovations to maximise performance.

In a highly competitive and rapidly changing world, this course provides a thorough understanding of the main issues and challenges faced by managers and business organisations.

Year 1

Areas studied include skills for study, placement and employment; quantitative business skills; organisational behaviour; principles of marketing; financial reporting; economics for business; business in the digital age.

Year 2

Areas studied include business information management; human resource management; management accounting; management science methods; employability and critical thinking skills; information systems development; operations management; data analysis for management; business ethics and corporate social responsibility; programming for business analytics.

Compulsory placement/study abroad year

Salaried professional placement and/or overseas study.

Final year

Areas studied include managing big data; business forecasting; web analytics; leadership and professional development; global strategic management; data mining for business; databases for business analytics.

Graduate destinations

We anticipate that graduates of this course will be highly sought-after and enjoy highly rewarding careers in areas such as business analysis, consultancy, financial services, marketing analysis, health analytics and information management.

**Diploma in Professional/International Studies*

International Business

BSc (Hons) DPS/DIntS*: 4 years full-time with placement year

UCAS code: N110

Typical offers

A level: AAB-ABB (excluding General Studies, Critical Thinking, Communication and Culture, and Citizenship Studies)

IB: 35-34 (6,6,5-6,5,5 HL) with 5 in Maths and English at SL

BTEC Level 3 National Extended Diploma: DDD

GCSE: Majority A/B (7/6) grades at GCSE including minimum grade B/6 in Maths and English Language



In today's business world, being international is a necessity. This modern-day business studies course concentrates on the links between the major business functions and their role in the international business context. By covering the key management disciplines from a global perspective, you will be equipped for a successful career in a range of business and management roles.

This degree offers you a unique opportunity to integrate an international semester into your second year of study. You also have access to an exclusive set of international business modules, plus the chance to develop your language skills.

Year 1

Areas studied include marketing, organisational behaviour, economics for business, finance, quantitative business skills, business in the digital age, organisations in the international context, and skills for study, placement and employment.

Year 2

Areas studied include international business and management, ethics and corporate responsibility, economics for business, human resource management, management accounting, consumer behaviour, digital marketing, and employability and critical thinking skills.

Compulsory placement/study abroad year

Salaried professional placement and/or overseas study.

Final year

Areas studied include international corporate governance, international negotiations, international marketing, international human resource management, leadership and professional development, and strategic management.

Graduate destinations

This degree opens up a wide range of business management careers all around the world, in international organisations or those operating international markets. Many leading employers specifically target our students for their graduate recruitment schemes.

**Diploma in Professional/International Studies*

Management

BSc (Hons) DPS/DIntS*: 4 years full-time with placement year
UCAS code: N200

Typical offers

A level: AAB-ABB (excluding General Studies, Critical Thinking, Communication and Culture, and Citizenship Studies)

IB: 35-34 (6,6,5-6,5,5 HL) with 5 in Maths and English at SL

BTEC Level 3 National Extended Diploma: DDD

GCSE: Majority A/B (7/6) grades at GCSE including minimum grade B/6 in Maths and English Language



This is a highly flexible, broad-based course that prepares you for a career in any area of business and management. Our graduates are strong communicators, adaptable, resilient to change and highly sought after in the business world.

This degree equips you with a comprehensive grasp of different management skills and styles, and the context in which business decisions are made. As such, this course aims to produce excellent managers who are capable of developing creative, resourceful solutions to business and management issues. The wide array of optional modules in the final year gives you maximum opportunity to tailor your degree to fit your career ambitions.

Year 1

Areas studied include quantitative business skills, organisational behaviour, marketing, finance, economics, business in the digital age, and skills for study, placement and employment.

Year 2

Areas studied include information management, human resource management, accounting, employability and critical thinking, operations management, data analysis, business ethics and corporate social responsibility.

Compulsory placement/study abroad year

Salaried professional placement and/or overseas study.

Final year

Areas studied include consulting for decision making, leadership and professional development, global strategic management, plus a wide range of optional modules.

Graduate destinations

This course will prepare you for employment in a wide range of careers, from general management to specialist roles including consultancy, financial analysis, marketing, procurement and sales.

**Diploma in Professional/International Studies*

Marketing and Management

BSc (Hons) DPS/DIntS*: 4 years full-time with placement year
UCAS code: NN52

Typical offers

A level: AAB-ABB (excluding General Studies, Critical Thinking, Communication and Culture, and Citizenship Studies)

IB: 35-34 (6,6,5-6,5,5 HL) with 5 in Maths and English at SL

BTEC Level 3 National Extended Diploma: DDD

GCSE: Majority A/B (7/6) grades at GCSE including minimum grade B/6 in Maths and English Language



This course combines a rigorous in-depth knowledge of marketing, together with a solid grounding in business and management to prepare you for a wide range of exciting and rewarding career opportunities.

You will develop highly prized specialist skills in digital marketing, consumer behaviour and global brand management, plus essential business and management skills in areas such as strategy and leadership.

Year 1

Areas studied include quantitative business skills, organisational behaviour, principles of marketing, finance, the marketing mix, economics, business in the digital age, skills for study, placement and employment.

Year 2

Areas studied include information management, human resource management, accounting, brand management, employability and critical thinking, consumer behaviour, business ethics and corporate social responsibility, digital marketing, marketing research.

Compulsory placement/study abroad year

Salaried professional placement and/or overseas study.

Final year

Areas studied include leadership and professional development, strategic management, marketing strategy and planning, marketing communications, plus a wide range of optional modules.

Graduate destinations

Careers prospects in marketing and management are excellent and our graduates are highly sought after by blue chip companies. Many of our graduates have attained leading positions in marketing, brand management, retailing, supply chain, store management and general management roles.

**Diploma in Professional/International Studies*



Economics

BSc (Hons) DPS/DIntS*: 4 years full-time with placement year

UCAS code: L10A

BSc (Hons): 3 years full-time

UCAS code: L100

Typical offers

A level: AAB (excluding General Studies, Critical Thinking, Communication and Culture, and Citizenship Studies)

IB: 35 (6,6,5 HL) with 5 in Maths and English at SL

BTEC Level 3 National Extended Diploma: D*D*D

GCSE: Majority A/B (7/6) grades at GCSE including minimum grade B/6 in Maths and English Language



Economics relates to every aspect of our lives. This course will give you new perspectives on some of the most pressing challenges facing the world today.

You'll develop the skills of an economist, enabling you to understand how consumers and firms interact and behave, how government policy affects the economy and how financial systems operate.

Our Economics degree offers you the flexibility to specialise in the final year by choosing optional modules that are most suited to your career aspirations.

Year 1

Areas studied include macro and microeconomics, data analysis, quantitative economics, skills for study and employment, plus choices from a range of optional modules.

Year 2

Areas studied include macro and microeconomics and econometrics, plus choices from a range of optional modules.

Optional placement/study year

Optional salaried professional placement and/or overseas study.

Final year

Areas studied include research and communications skills, and at least two from macroeconomics, microeconomics, and applied econometrics, plus choices from a range of optional modules.

Graduate destinations

Graduates enter fields as diverse as economic consultancy, banking, accountancy, financial management, insurance and marketing, while others are employed in more general management positions.

**Diploma in Professional/International Studies*

Business Economics and Finance

BSc (Hons) DPS/DIntS*: 4 years full-time with placement year

UCAS code: LN14

BSc (Hons): 3 years full-time

UCAS code: L1NK

Typical offers

A level: AAB (excluding General Studies, Critical Thinking, Communication and Culture, and Citizenship Studies)

IB: 35 (6,6,5 HL) with 5 in Maths and English at SL

BTEC Level 3 National Extended Diploma: D*D*D

GCSE: Majority A/B (7/6) grades at GCSE including minimum grade B/6 in Maths and English Language



The global financial services industry has generated a strong demand for economists with specialised knowledge of financial systems and markets. By combining both economics and finance, this course equips you to succeed in this sector.

You will study how firms and consumers behave in different markets, how capital markets operate and how financing decisions can improve the performance and efficiency of organisations.

Students learn to interpret, communicate and apply financial information, appraise alternative investment opportunities and improve strategic decision making, portfolio planning and risk management.

Year 1

Areas studied include macro and microeconomics, data analysis, quantitative economics, skills for study and employment.

Year 2

Areas studied include macro and microeconomics, financial economics and choices from a range of optional modules.

Optional placement/study year

Optional salaried professional placement and/or overseas study.

Final year

Areas studied include industrial economics, research and communications skills, plus financial economics and asset pricing, and/or corporate finance and derivatives.

Graduate destinations

Graduates enter fields as diverse as economic consultancy, insolvency, market analysis, accountancy, financial and wealth management, financial analysis, personal finance, insurance and marketing.

**Diploma in Professional/International Studies*

Economics and Management

BSc (Hons) DPS/DIntS*: 4 years full-time with placement year

UCAS code: LN1F

BSc (Hons): 3 years full-time

UCAS code: LN12

Typical offers

A level: AAB (excluding General Studies, Critical Thinking, Communication and Culture, and Citizenship Studies)

IB: 35 (6,6,5 HL) with 5 in Maths and English at SL

BTEC Level 3 National Extended Diploma: D*D*D

GCSE: Majority A/B (7/6) grades at GCSE including minimum grade B/6 in Maths and English Language



This degree contains all the essential modules of an economics degree jointly with the core business and management modules you will need to understand how organisations behave, compete and implement change both internally and externally. It opens up a wide range of careers, in consultancy, management or as an economist, by equipping you with a robust understanding of both management and economics.

Year 1

Areas studied include macro and microeconomics, data analysis, quantitative economics, skills for study and employment, accounting, organisational behaviour and human resources.

Year 2

Areas studied include macro and microeconomics, operations management, principles of marketing, information management, accounting, the marketing mix, and contemporary business environment.

Optional placement/study year

Optional salaried professional placement and/or overseas study.

Final year

Areas studied include leadership and interpersonal skills, research and communication skills, plus choices from a range of optional modules.

Graduate destinations

Graduates enter fields as diverse as banking, accountancy, financial management, insurance and marketing, while others are employed in more general management positions. Often, these are with companies that operate globally.

**Diploma in Professional/International Studies*

Business with a Foundation Year

This course is only available to students performing at a very high standard in a chosen sport, who wish to study at Loughborough, but do not have the required qualifications due to sporting commitments.

Successful completion of the foundation course allows you to progress onto the first year of the undergraduate degree course.

For further details see pages 150-153 or visit the Foundation Studies web pages for information on typical offers and course content.

lboro.ac.uk/ug2020/foundation



Economics with a Foundation Year

This course is only available to students performing at a very high standard in a chosen sport, who wish to study at Loughborough, but do not have the required qualifications due to sporting commitments.

Successful completion of the foundation course allows you to progress onto the first year of the undergraduate degree course.

For further details see pages 150-153 or visit the Foundation Studies web pages for information on typical offers and course content.

lboro.ac.uk/ug2020/foundation

“The teaching quality at Loughborough is fantastic. Throughout my studies, the support available to students has been continuous.”





Derrick

BEng Chemical Engineering

“My degree has not only developed my technical knowledge, but also my soft-skills like collaboration, communication and leadership.”

Courses

Chemical Engineering p114
Chemical Engineering with a Foundation Year p114

You may also be interested in...

Bioengineering p94
Biomaterials Engineering p94
Chemistry p118
Materials Science and Engineering p166
Medicinal and Pharmaceutical Chemistry p118

Our Chemical Engineering course is accredited by:



Chemical Engineering

Why choose Chemical Engineering at Loughborough?

We have an exceptional reputation in industry for producing highly trained, well-educated and professional Chemical Engineers ready to face current and future challenges. You can expect high quality teaching informed by the latest thinking in the Chemical Engineering industries.

Facilities

We have invested £4 million in Chemical Engineering teaching facilities within our Department. New laboratory space offers state-of-the-art pilot engineering facilities with over 50 experimental rigs. Our Interactive Learning Facility – the “Igloo” – uses unique software to create simulations of real-life engineering scenarios, eg working in hazardous areas of industrial plants. This enables small groups of students to engage with realistic situations in a safe and accessible environment. Our computer labs provide flexible student space for computational and modelling work.

STEMLab is a £17 million investment in new state-of-the-art laboratory facilities. It includes a suite of laboratories for practical work, allowing students crucial opportunities to gain hands-on experience.

Study abroad

You can also participate in overseas opportunities such as the Erasmus Scheme, UNITECH, and other study exchanges to destinations such as Australia, USA and Europe.

Industrial placement year

We send 15% more students on year-long engineering placements than any other UK university (HESA 2016/17, for Engineering and Technology).

All students are given an opportunity to complete an approved salaried year in industry – successful completion leads to the Diploma in Industrial Studies (DIS). It often leads to a job offer after graduation and may even provide sponsorship for the final year. Our close links with industrial partners mean that we provide our students with considerable help in sourcing, securing, supporting, and accessing their placement.

Employability

95% of our recent graduates were employed or undertaking further study within six months of graduation, with an average starting salary of £30,000. Most of our graduates are employed by process companies in the oil, gas, water, food and drink, pharmaceutical, plastics and general chemical industries and they go on to hold senior positions in major companies.

For students on the MEng course, a professional development project can be taken either in industry, abroad or at Loughborough.

Graduate destinations

3M, AstraZeneca, BP, British Sugar, Croda, Cadbury, E.On, EDF Energy, Esso Petroleum, ExxonMobil, Foster Wheeler, Ford, Jaguar Land Rover, JGE Water, Johnson Matthey, GSK, Heinz, Kraft Mars, L’Oreal, Lonza, Merck, National Nuclear Laboratory, Nestlé, PepsiCo, PwC, Pfizer, Proctor & Gamble, Sellafeld Ltd, Shell, Schlumberger, Syngenta, Tate and Lyle, Total, Unilever, United Biscuits and many others.



THE GUARDIAN
UNIVERSITY GUIDE 2019
TOP 10 IN UK FOR
CHEMICAL ENGINEERING



THE COMPLETE
UNIVERSITY GUIDE 2019
3RD FOR STUDENT
SATISFACTION IN
CHEMICAL ENGINEERING



DLHE 2017
AVERAGE STARTING
SALARY £30,000



DLHE 2017
95% OF RECENT
GRADUATES IN WORK
OR FURTHER STUDY



Chemical Engineering

MEng (Hons) DIS/DIntS*: 5 years full-time with placement year

UCAS code: H802

MEng (Hons): 4 years full-time

UCAS code: H803

BEng (Hons) DIS/DIntS*: 4 years full-time with placement year

UCAS code: H806

BEng (Hons): 3 years full-time

UCAS code: H805

Typical offers

A level: AAA (MEng)/AAB (BEng) including Maths and at least one from Chemistry or Physics

IB: (MEng) 37 (6,6,6 HL)/(BEng) 35 (6,6,5 HL) including Maths and at least one from Chemistry or Physics at HL

BTEC Level 3 National Diploma: DD (MEng)/DD (BEng) in a relevant subject plus A level Maths grade A (MEng)/B (BEng)



Chemical Engineers are addressing the world's global challenges in energy, clean water, health and food production by the application of maths and sciences to identify technological solutions.

Year 1

Areas studied include science and mathematics, fluid mechanics, heat transfer, thermodynamics, mass and energy balances, process design and economics, laboratory work, computation and VR simulations.

Year 2

Areas studied include separation processes, mass transfer operations, safety, loss prevention and environment, thermodynamics, control, fluid dynamics and process simulation, laboratory work.

Optional placement/study year

Optional industrial placement or overseas study.

Year 3 (BEng)

Areas studied include reaction engineering, transfer processes, process control, biochemical engineering, pollution control, research and design projects.

Years 3 and 4 (MEng)

Areas studied include management, process dynamics reaction engineering, transfer processes, chemical product design and a major design project. Options include management modules, nanotechnology and colloid engineering, biochemical engineering, clean energy and sustainability.

Graduate destinations

See page 113 for an extensive list of employers.

**Diploma in Industrial/International Studies*

Chemical Engineering with a Foundation Year

This course is primarily for candidates who have not studied the prerequisite subjects needed for first year entry, not met their entrance requirements due to adverse situations, are a mature student returning to education or a care leaver.

Successful completion of the foundation course allows you to progress onto the first year of the undergraduate degree course.

For further details see pages 150-153 or visit the Foundation Studies web pages for information on typical offers and course content.

lboro.ac.uk/ug2020/foundation



Bioengineering

MEng (Hons) DIS/DIntS*: 5 years full-time with placement year

UCAS code: H163

MEng (Hons): 4 years full-time

UCAS code: H162

BEng (Hons) DIS/DIntS*: 4 years full-time with placement year

UCAS code: H161

BEng (Hons): 3 years full-time

UCAS code: H160

Bioengineering is an exciting new interdisciplinary course in the application of engineering to biology and medicine.

See page 94 for more information.

**Diploma in Industrial/International Studies*

“The teaching quality is world-class, with top-notch facilities to match.”





Zi-Ying

MChem Chemistry

“The new STEMLab provides students with top quality, industrial standard facilities.”

Courses

Chemistry
 Medicinal and Pharmaceutical Chemistry
 Chemistry with a Foundation Year

p118
 p118
 p119

You may also be interested in...

Biochemistry p98
 Bioengineering p94
 Biological Sciences p98
 Chemical Engineering p114
 Natural Sciences p184

Our courses are accredited by:



Chemistry

Why choose Chemistry at Loughborough?

Chemistry at Loughborough enjoys an outstanding scientific reputation for teaching and research with internationally renowned staff. Our strong commercial links are reflected in courses carefully tailored to provide you with the sound chemical education necessary to meet the needs of industry.

Our state-of-the-art teaching and learning facilities, combined with the expertise and pastoral care of our academic staff, ensure a high-quality student experience, making this an exciting and innovative department to join.

Placement year or study abroad

The year in industry, applying knowledge to real problems, learning through practical experience and gaining an insight into the role of the chemist, is exceptionally valuable and is a considerable advantage in the search for subsequent employment. Our students have been able to secure placements with big employers like AstraZeneca, 3M Healthcare, Lubrizol and Reckitt-Benckiser.

If you do decide to study one of our chemistry courses you can also take part in the Erasmus European Exchange Programme and spend a year at one of our collaborating European universities in Spain, Italy, Germany, or Poland.

Facilities

Opened in 2017, STEMLab acts as a hub for science students, providing a student-focused learning environment in which to grow your laboratory practical skills.

STEMLab offers state-of-the-art chemistry facilities with separate laboratories for synthetic chemistry, physical and analytical measurements, and bioscience experiments. Extensive fume cupboard provision and the latest equipment allow a wide range of experiments to be undertaken safely.

Specialist research instruments and equipment include: 400 and 500 MHz NMR spectrometers, powder X-ray diffractometers, 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 flow and microwave synthesisers.

Career opportunities

Our chemistry courses are orientated towards the practice of chemistry in the world. Master of Chemistry (MChem) undergraduate courses prepare students for research work in industry or a PhD research course. Our Chemistry BSc courses equip you for employment in chemistry, scientific and related technical sectors. Our graduates have gone on to pursue exciting careers within such diverse organisations as GlaxoSmithKline, BUPA, Pirelli, Nova Nordish, Lubrizol and Fujitsu.

Professional recognition

Graduates from the MChem courses will be eligible for admission to Associate Membership of the Royal Society of Chemistry (AMRSC), and will hold a chemistry degree accredited for the award of Chartered Chemist (CChem).



THE GUARDIAN
UNIVERSITY GUIDE 2019
4TH IN UK FOR
CHEMISTRY



NSS 2018
TOP 10 IN UK FOR
ACADEMIC SUPPORT
IN CHEMISTRY



£17M STEMLAB
TEACHING
FACILITIES



ALL ELIGIBLE
COURSES
ACCREDITED BY
THE ROYAL SOCIETY
OF CHEMISTRY



Chemistry

MChem (Hons) DIS/DPS/DIntS*: 5 years full-time with placement year

UCAS code: F103

MChem (Hons): 4 years full-time

UCAS code: F102

BSc (Hons) DIS/DPS/DIntS*: 4 years full-time with placement year

UCAS code: F101

BSc (Hons): 3 years full-time

UCAS code: F100

Typical offers

A level: ABB to include Chemistry and preferably one other Science or Maths

IB: 34 (6,5,5 HL) including HL Chemistry and preferably one other Science or Maths at HL

BTEC Level 3 National Extended Diploma: DDM in Applied Science to include optional modules 13, 14, 18 and 19

GCSE: GCSE Maths grade C/4



The principles and application of modern chemistry underpin many important UK industries. The broad base of the course allows students to take up careers in all areas of chemical science as well as non-chemistry careers.

Year 1

Areas studied include analytical, physical, inorganic and organic chemistry as well as key laboratory skills.

Year 2

Areas studied include spectroscopy, energetics and equilibria, structure and reactivity, and laboratory practical work.

Optional placement/study year

Optional professional placement and/or overseas study.

Year 3

Areas studied include advanced organic, inorganic, analytical and physical chemistry, biological and medicinal chemistry, and new chemical technologies. A dissertation and practical investigative projects are undertaken.

Year 4 (MChem only)

Areas studied include a wide range of optional modules allowing specialisation, plus an in-depth dissertation and an extended research project running over both semesters.

Graduate destinations

Companies including GSK, 3M, Fujitsu, Lubrizol, Pirelli, Unilever, PwC.

**Diploma in Industrial/Professional/International Studies*

Medicinal and Pharmaceutical Chemistry

MChem (Hons) DIS/DPS/DIntS*: 5 years full-time with placement year

UCAS code: F129

MChem (Hons): 4 years full-time

UCAS code: F128

BSc (Hons) DIS/DPS/DIntS*: 4 years full-time with placement year

UCAS code: F127

BSc (Hons): 3 years full-time

UCAS code: F151

Typical offers

A level: ABB to include Chemistry and preferably one other Science or Maths

IB: 34 (6,5,5 HL) including HL Chemistry and preferably one other Science or Maths at HL

BTEC Level 3 National Extended Diploma: DDM in Applied Science to include optional modules 13, 14, 18 and 19

GCSE: GCSE Maths grade C/4



The search for new drugs to combat cancer, heart disease and infections remains an important challenge at the forefront of medical research. This course offers you the opportunity to study chemistry with subjects allied to the medical and pharmaceutical industries.

Year 1

Areas studied include physical, inorganic and organic chemistry, as well as laboratory practical skills.

Year 2

Areas studied include further laboratory practicals, spectroscopy, energetics and equilibria, structure and reactivity and biological chemistry.

Optional placement/study year

Optional professional placement and/or overseas study.

Year 3

Areas studied include advanced inorganic, organic and physical chemistry, drugs synthesis and discovery, pharmaceutical and biomedical analysis, pharmacokinetics and drug metabolism, a literature review and investigative projects.

Year 4 (MChem only)

Areas studied include advanced modules in chemistry and biology, plus a dissertation and an extended research project which runs over both semesters.

Graduate destinations

Medicinal chemistry, product and process development, bioanalysis, forensic science, formulation science, clinical research, pharmacology and microbiology.

**Diploma in Industrial/Professional/International Studies*



Chemistry with a Foundation Year

This course is primarily for candidates who have not studied the prerequisite subjects needed for first year entry, not met their entrance requirements due to adverse situations, are a mature student returning to education or a care leaver.

Successful completion of the foundation course allows you to progress onto the first year of the undergraduate degree course.

For further details see pages 150-153 or visit the Foundation Studies web pages for information on typical offers and course content.

lboro.ac.uk/ug2020/foundation

Biochemistry

MSci (Hons) DPS/DIntS*: 5 years full-time with placement year

UCAS code: C701

MSci (Hons): 4 years full-time

UCAS code: C703

BSc (Hons) DPS/DIntS*: 4 years full-time with placement year

UCAS code: C700

BSc (Hons): 3 years full-time

UCAS code: C702

Biochemistry explores the chemical processes within and related to living organisms.

See page 98 for more information.

“Applying the theory that we learn during lectures in an industrial standard lab has really enhanced my learning.”





Abirami

BEng Civil Engineering

“The department offers amazing support with everything, from help with course modules to career advice.”

Courses

Civil Engineering	p122	You may also be interested in...	
Architectural Engineering	p122	Architecture	p84
Civil Engineering with a Foundation Year	p123	Commercial Management and Quantity Surveying	p136
		Construction Engineering Management	p136
		Materials Science and Engineering	p166
		Urban Planning	p84

Our Civil Engineering courses are accredited by:



Civil Engineering and Architectural Engineering

Why choose Civil Engineering and Architectural Engineering at Loughborough?

Our well-respected courses will equip you with the technical, practical and managerial skills to develop successful careers in civil engineering and architectural engineering, which include many different roles and job functions. We place a strong emphasis on the development of personal and professional skills, including information technology and management, teamwork and leadership, making our graduates very attractive to employers.

Facilities

Our large, open-plan laboratory includes concrete, geotechnics, strength of materials, hydraulics, structures, surveying, public health and building services engineering laboratories to provide excellent coverage of the practical aspects of your engineering course.

The laboratory also accommodates design and fabrication activities, from traditional work-benches and hand-tools through to laser cutters, 3D printers, digital fabrication robots and mixed-reality design suites. These facilities underpin the advanced construction manufacturing and automation elements in our MEng Architectural Engineering course. The School houses its own design studio space and computer laboratory to support the specialist teaching on these courses.

Placement year

We send 15% more students on year-long engineering placements than any other UK university (HESA UG Student Record 2016/17, for Engineering and Technology). All students are given the opportunity to undertake industrial training – successful completion of which leads to a Diploma in Industrial Studies (DIS). This year of practical work gives you a clearer understanding of the industry to help with the later stages of your study and deciding your future career direction.

The placement year can often lead to sponsorship during the final year of the course and even a job offer upon graduation.

Career prospects

Of our MEng Civil Engineering graduates who were in employment six months after graduating, 98% were in professional or managerial roles. The average graduate starting salary was £27,500 (DLHE 2017).



THE GUARDIAN
UNIVERSITY GUIDE 2019
6TH IN UK FOR CIVIL
ENGINEERING



DLHE 2017
98% OF RECENT MEng
CIVIL ENGINEERING
GRADUATES IN WORK OR
FURTHER STUDY



HESA 2016/17 FOR
ENGINEERING AND
TECHNOLOGY
15% MORE ENGINEERING
STUDENTS ON YEAR-
LONG PLACEMENTS
THAN ANY OTHER UK
UNIVERSITY



Civil Engineering

MEng (Hons) DIS*: 5 years full-time with placement year
UCAS code: H202

MEng (Hons): 4 years full-time
UCAS code: H203

BEng (Hons) DIS*: 4 years full-time with placement year
UCAS code: H201

BEng (Hons): 3 years full-time
UCAS code: H200

Typical offers

A level: AAA (MEng)/ABB (BEng) including Maths and preferably a second Science (excluding Critical Thinking)

IB: (MEng) 37 (6,6,6 HL)/(BEng) 34 (6,5,5 HL) including Maths and preferably a second Science at HL

BTEC Level 3 National Extended Diploma: D*D*D* (MEng)/DDD (BEng) plus A level Maths grade B

GCSE: GCSE Maths grade C/4



Civil engineering helps tackle the challenges presented by climate, land use and hydrological change, also combating waste, pollution, and overcrowding. This course is fully accredited by the Institution of Civil Engineers and the Institution of Structural Engineers.

Year 1

Areas studied include fluid mechanics, design and construction, engineering materials, mathematics, structural analysis and mechanics, sustainable design, and surveying.

Year 2

Areas studied include geotechnics, hydraulics, construction contracts and management, health and safety, surveying, mathematics, and field-courses.

Optional placement year

Optional industrial placement (leading to DIS*).

Year 3

Areas studied include project management, water engineering, a design project and a research project.

Year 4 (MEng only)

Areas studied include engineering mathematics, water engineering, teamwork design project, teamwork, leadership, design management, and environmental modelling.

Graduate destinations

Our graduates have gone on to work for companies such as AECOM, Arup, Arcadis, Atkins, Bam, CH2M, Costain, Eurovia, Galliford Try, Graham, Kier, Laing O'Rourke, Lend Lease, Network Rail, Severn Trent, Sir Robert McAlpine, Tesco, Tony Gee and Vinci.

**Diploma in Industrial Studies*

Architectural Engineering

MEng (Hons) DIS*: 5 years full-time with placement year*
UCAS Code: HK26

MEng (Hons): 4 years full-time
UCAS code: HK25

BEng (Hons) DIS*: 4 years full-time with placement year*
UCAS Code: HK24

BEng (Hons): 3 years full-time
UCAS Code: HK23

Typical offers

A level: AAA (MEng)/ABB (BEng) including Maths and preferably a second Science (excluding Critical Thinking)

IB: (MEng) 37 (6,6,6 HL)/(BEng) 34 (6,5,5 HL) including Maths and preferably a second Science at HL

BTEC Level 3 National Extended Diploma: D*D*D* (MEng)/DDD (BEng) plus A level Maths grade B

GCSE: GCSE Maths grade C/4



This is a multidisciplinary engineering design course focusing on integration of structural engineering, architecture and building energy performance.

You will develop knowledge in the areas of architectural design, building structure and materials and the performance of building energy systems, integrated with design principles through significant problem-focused, project-based activities. We will seek accreditation from JBM and CIBSE.

Year 1

Areas studied include materials for construction, structural form and analysis, analytical methods and fluid mechanics, mathematics and mechanics, architectural and engineering history and theory.

Year 2

Areas studied include heat transfer and thermodynamics, architecture and design studies, integrated design project, geotechnics and structural design.

Optional placement/study year

Optional industrial placement (leading to DIS*).

Year 3

Areas studied include an advanced integrated design project, building thermal loads and systems, electrical systems and renewable energy technology, heat generation, conservation and refrigeration, construction law, research project.

Year 4 (MEng only)

Areas studied include advanced integrated design project, manufacturing and energy systems.

Graduate destinations

Previous graduates from the School have worked for employers including Foster + Partners, ARUP, Balfour Beatty, Kier, Laing O'Rourke, Parsons Brinckerhoff, Skanska and Tony Gee.

**Diploma in Industrial Studies*



Civil Engineering with a Foundation Year

This course is primarily for candidates who have not studied the prerequisite subjects needed for first year entry, not met their entrance requirements due to adverse situations, are a mature student returning to education or a care leaver.

Successful completion of the foundation course allows you to progress onto the first year of the undergraduate degree course.

For further details see pages 150-153 or visit the Foundation Studies web pages for information on typical offers and course content.

lboro.ac.uk/ug2020/foundation

Construction Engineering Management

BSc (Hons) DPS*: 4 years full-time with placement year
UCAS code: K291

This is a multidisciplinary, broad-based building course with a focus on technical aspects and the management of construction and engineering projects. It is accredited by the Chartered Institute of Building.

See page 136 for more information.

**Diploma in Industrial Studies*



“Studying civil engineering is like seeing a ‘behind the scenes’ of how the most amazing constructions in the world were made possible.”



Gabrielle

BSc Media and Communication

“I chose to study this course because I wanted to understand the effect of social media on society.”



Courses

Media and Communication

p126

You may also be interested in...

Sociology and Media

p207

Psychology with Communication

p201

Communication and Media

Why choose Communication and Media at Loughborough?

We have long been recognised as an international centre of academic excellence driven by cutting-edge research and teaching.

Communication and Media at Loughborough is a classic social science subject with a distinguished track record. The degree provides a thorough grounding in the social scientific analysis of media and communication. This means you will develop the skills of critical thinking and analysis that are in high demand across a wide range of vocations. Our undergraduates are actively encouraged to pursue lines of enquiry that reflect their intellectual interests.

Our international reputation is well established. Communication and Media at Loughborough is ranked 1st in the UK (The Times Good University Guide 2019). We are ranked in the top 50 in the World (QS World Rankings by Subject 2018), 2nd in the UK for research intensity, and 90% of our research is judged 'world-leading' or 'internationally excellent' (REF 2014). You will be taught by world-renowned experts in their field at a university that is ranked Gold for its teaching quality (TEF 2017).

The course is ideal for critical and reflective students who want to make sense of how power and influence work in today's complex and turbulent world.

Professional placement year

Students in Communication and Media have the option to undertake study abroad or work placements in leading companies across the media and communication sector.

Career prospects

An impressive 100% of our recent graduates were in employment or further study six months after graduating (DLHE 2017). Our course covers a wide range of topics through a varied choice of modules that provide insight into careers in media and beyond. Students can (and do) adapt their degree to reflect their career aspirations and academic interests.



THE TIMES GOOD
UNIVERSITY GUIDE 2019
1ST IN UK FOR
COMMUNICATION
AND MEDIA



QS WORLD RANKINGS
BY SUBJECT 2018
WORLD TOP 50
FOR COMMUNICATION
AND MEDIA



DLHE 2017
100% OF RECENT
GRADUATES IN WORK
OR STUDY



Media and Communication

BSc (Hons) DPS/DIntS*: 4 years full-time with placement year
UCAS code: P90A

BSc (Hons): 3 years full-time
UCAS code: P910

Typical offers

A level: ABB (General Studies accepted)

IB: 34 (6,5,5 HL)

BTEC Level 3 National Extended Diploma: DDM



This exciting course takes a multidisciplinary approach to the study of how media and communication shape our rapidly changing world. You will acquire a thorough understanding of contemporary and historical developments across a number of key media areas including social media, broadcasting, advertising, news, popular culture, the cultural industries, and film.

The broad scope of the course is designed to enable you to apply insights from social science to understand how and why media work the way they do – and the consequences for society.

Year 1

Areas studied include introductory communication and media, research methods, foundations in social science, and texts and audiences.

Year 2

Areas studied include media, identity, and inequality, media and social change, advanced research methods, political communication, advertising, public relations, and society.

Optional placement/study year

Optional professional placement and/or overseas study.

Final year

Areas studied include digital media and society, news, documentary, television, contemporary debates about media power, and an individually-supervised dissertation on a topic of your choice.

Graduate destinations

Our graduates secure jobs in marketing, advertising, public relations, press relations, media production, journalism, publishing, digital media, and customer relations. Recent graduate roles include: Press Officer, Broadcast Assistant, Publicist, Media Production Assistant, Events Coordinator, Freelance Journalist for BBC Radio, Information Officer, Online Editor, Visual Merchandiser, Writer, Publishing Trainee and Customer Experience Manager. Our graduates also proceed to Master's and PhD degrees.

**Diploma in Professional/International Studies*

Sociology and Media

BSc (Hons) DPS/DIntS*: 4 years full-time with placement year
UCAS code: PL34

BSc (Hons): 3 years full-time
UCAS code: PL33

This course combines two vibrant subjects providing students with a detailed sociological knowledge of inequalities, identities and social change, with a cutting-edge understanding of the role of media and communication in contemporary society.

See page 207 for more information.

**Diploma in Professional/International Studies*



Psychology with Communication

BSc (Hons) DPS/DIntS*: 4 years full-time placement year
UCAS code: CP83

BSc (Hons): 3 years full-time
UCAS code: C8P3

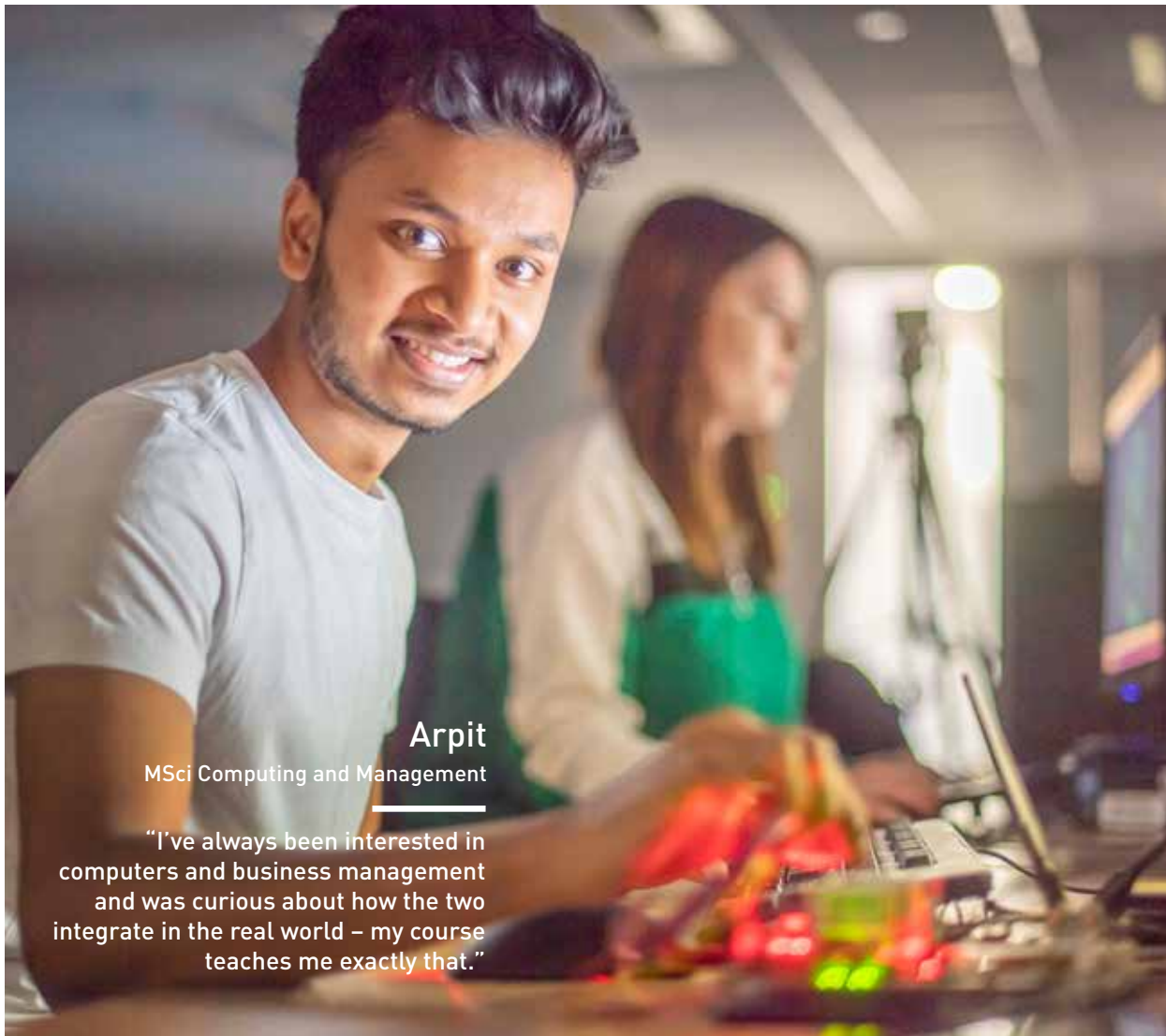
Beyond studying all major areas of psychological science, this course focuses on the application of psychology to sport, performance and exercise environments.

See page 201 for more information.

* *Diploma in Professional/International Studies*

“My course is so diverse and offers a wide variety of interesting optional modules, so I can experience learning about many different subjects.”





Arpit

MSci Computing and Management

“I’ve always been interested in computers and business management and was curious about how the two integrate in the real world – my course teaches me exactly that.”

Courses

Computer Science	p130
Computer Science and Artificial Intelligence	p130
Computer Science and Mathematics	p131
Computing and Management	p131
Information Technology Management for Business	p132
Computer Science with a Foundation Year	p132

You may also be interested in...

Electronic and Computer Systems Engineering	p176
Robotics, Mechatronics and Control Engineering	p180

Several of our courses are accredited by:



Computer Science

Why choose Computer Science at Loughborough?

Computer technology pervades almost every aspect of our modern lives and each technological advance transforms the world in which we live and work. Computer Science graduates are therefore in high demand across a diverse range of industries, as is reflected by the success and exceptionally high starting salaries of our graduates.

At Loughborough University you will join one of the most well-established university Computer Science departments in the country, with a long track record of developing skilled and highly employable graduates, as well as a reputation for cutting edge research and industry engagement.

Professional recognition

Several of our courses are accredited by the British Computer Society (BCS), which qualifies graduates for Chartered IT Professional (CIPT) registration, while our Information Technology Management for Business (ITMB) degree is accredited by Tech Partnership Degrees. In addition, several of our MSci courses have been granted accreditation towards the educational requirement for Chartered Engineer (CEng) and Chartered Scientist (CSci) registration. Please see individual courses for details.

We continually monitor the content of our Computer Science courses for quality and make improvements based on feedback from students, senior industrialists and the accrediting bodies listed above.

Major companies are directly involved in sponsoring some of our modules, supporting project work, providing insightful guest lectures and funding a series of prizes across the range of courses.

Facilities

Our facilities provide an excellent environment for studying, including computer laboratories with 24-hour access and support from a team of systems specialists, a specialist lab facility for student project work on hardware and robotics, study rooms and seminar rooms.

Placement year

The professional placement option, which is available on all our undergraduate courses, is recognised as one of the strongest in the country and all of our students are recommended to complete a placement.

MSci courses

The Master of Science (MSci) degree, which is available for all of our courses, provides an ideal preparation for research and development work in industry or for a PhD and is designed to create leaders in the subject area by giving in-depth experience of cutting edge research.

Career prospects

Our graduates go on to enjoy fulfilling careers with major national and international companies as well as SMEs, local government, education and research. The employment level of our graduates is consistently higher than the national average with 94% of our recent graduates in employment or further education within six months (DLHE 2017). The quality of employment of our graduates is also reflected by their exceptionally high average full-time salary of £29,953 six months after graduation (DLHE 2017).



THE GUARDIAN
UNIVERSITY GUIDE 2019
4TH IN UK FOR
COMPUTER SCIENCE AND
INFORMATION SYSTEMS



NSS 2018
TOP 5 IN UK FOR
LEARNING RESOURCES
IN COMPUTER SCIENCE



NSS 2018
TOP 10 IN UK FOR
ACADEMIC SUPPORT IN
COMPUTER SCIENCE



DLHE 2017
£29,953 AVERAGE
FULL-TIME GRADUATE
SALARY



Computer Science

MSci (Hons) DPS*: 5 years full-time with placement year
UCAS code: G403

MSci (Hons): 4 years full-time
UCAS code: G402

BSc (Hons) DPS*: 4 years full-time with placement year
UCAS code: G401

BSc (Hons): 3 years full-time
UCAS code: G400

Typical offers

A level: AAA (MSci)/ABB (BSc) including Maths (or AAA (MSci)/ABB (BSc) plus AS level Maths at grade A)

IB: (MSci) 37 (6,6,6 HL)/(BSc) 34 (6,5,5 HL) including HL Maths

BTEC Level 3 National Extended Certificate: D* plus AA (MSci)/D plus AB (BSc) in 2 A levels including Maths (see online prospectus)

GCSE: min. 5 GCSEs grades A*-B (9-6) including Maths



This course will equip you with highly sought after theoretical and practical computer science skills. It provides students with a strong foundation in the critical areas of computer science, with the opportunity to tailor the degree to their own strengths and interests. This course is accredited by the British Computer Society (BCS).

Year 1

Areas studied include software engineering, computer systems, databases, algorithms, programming in a variety of languages, embedded systems, mathematics and logic.

Year 2

Areas studied include software engineering, computer graphics, formal languages, formal methods, mobile application development, AI methods, networks, operating systems and team projects.

Optional placement year

Optional professional placement in industry.

Year 3

Areas studied include optional specialised subjects from a wide range of choices, and a computer science project.

Year 4 (MSci only)

Areas studied include enterprise technology, managing a project team, a thesis project and a group project.

Graduate destinations

Accenture, ASOS, BAE Systems, Bank of America, BBC, BT, Cisco Systems, Citi, Civil Service, Commerzbank, General Motors, GlaxoSmithKline, Goldman Sachs, IBM, Intel, JP Morgan, Lloyds Banking Group, Lockheed Martin, Nomura, PwC, Sky, TNT, and UBS.

**Diploma in Professional Studies*

Computer Science and Artificial Intelligence

MSci (Hons) DPS*: 5 years full-time with placement year
UCAS code: GGK7

MSci (Hons): 4 years full-time
UCAS code: GG4R

BSc (Hons) DPS*: 4 years full-time with placement year
UCAS code: GG47

BSc (Hons): 3 years full-time
UCAS code: GG4T

Typical offers

A level: AAA (MSci)/ABB (BSc) including Maths (or AAA (MSci)/ABB (BSc) plus AS level Maths at grade A)

IB: (MSci) 37 (6,6,6 HL)/(BSc) 34 (6,5,5 HL) including HL Maths

BTEC Level 3 National Extended Certificate: D* plus AA (MSci)/D plus AB (BSc) in 2 A levels including Maths (see online prospectus)

GCSE: min. 5 GCSEs grades A*-B (9-6) including Maths



Artificial Intelligence (AI) is one of the most exciting fields of technological development of our generation with the potential to transform the world around us. This course will equip you with highly sought after computer science and AI skills. This course is accredited by the British Computer Society (BCS).

Year 1

Areas studied include software engineering, computer systems, databases, algorithms, programming in a variety of languages, embedded systems, mathematics and logic.

Year 2

Areas studied include software engineering, computer graphics, formal languages, formal methods, mobile application development, AI methods, networks, operating systems and team projects.

Optional placement year

Optional professional placement in industry.

Year 3

Areas studied include robotics, agent-based systems, advanced AI systems, computer vision, an AI project, and optional specialised subjects.

Year 4 (MSci only)

Areas studied include enterprise technology, managing a project team, a thesis project and a group project.

Graduate destinations

Cube Capital UK Ltd, Foresprock, Morgan Stanley, Sectra, TNT ICS, and Union Street.

**Diploma in Professional Studies*



Computer Science and Mathematics

MSci (Hons) DPS*: 5 years full-time with placement year
UCAS code: GGL1

MSci (Hons): 4 years full-time
UCAS code: GGK1

BSc (Hons) DPS*: 4 years full-time with placement year
UCAS code: GG4D

BSc (Hons): 3 years full-time
UCAS code: GG4C

Typical offers

A level: AAA (MSci)/ABB (BSc) including grade A in Maths

IB: (MSci) 37 (6,6,6 HL)/(BSc) 34 (6,5,5 HL) with 6 at HL Maths

BTEC Level 3 National Extended Certificate: D* plus AA (MSci)/D plus AB (BSc) in 2 A levels including A in Maths (see online prospectus)

GCSE: min. 5 GCSEs grades A*-B (9-6) including Maths



Many real-world problems are solved by a close-knit combination of mathematical and computational techniques. This course will equip you with essential skills in both of these areas and their intersection.

Year 1

Areas studied include software engineering, databases, programming, algorithms, logic, mathematical methods, geometry, linear algebra, and analysis.

Year 2

Areas studied include computer graphics, formal languages, formal methods, AI methods, computing and numerical methods, probability and statistics, differential equations, mathematical methods and a team project.

Optional placement year

Optional professional placement in industry.

Year 3

Areas studied include optional specialised subjects from computer science and mathematics, as well as other relevant areas such as AI, and a computer science and mathematics project.

Year 4 (MSci only)

Areas studied include enterprise technology for computer scientists, managing a project team, mathematical modelling and a thesis project.

Graduate destinations

Bank of America, British Airways, Dion Global Software, Experian, HD Decisions, Nomura, PwC, Rocketpod LLP, and Royal Mail.

**Diploma in Professional Studies*

Computing and Management

MSci (Hons) DPS*: 5 years full-time with placement year
UCAS code: GNL2

MSci (Hons): 4 years full-time
UCAS code: GN4F

BSc (Hons) DPS*: 4 years full-time with placement year
UCAS code: GN42

BSc (Hons): 3 years full-time
UCAS code: GNK2

Typical offers

A level: AAA (MSci)/ABB (BSc)

IB: (MSci) 37 (6,6,6 HL)/(BSc) 34 (6,5,5 HL)

BTEC Level 3 National Extended Diploma: (BSc only) D*D*D* in Computing or IT (see online prospectus for MSci and BTEC/A level combinations)

GCSE: min. 5 GCSEs grades A*-B (9-6) including Maths



This course is divided between IT and management subjects and is taught in conjunction with the School of Business and Economics.

The BSc course has partial accreditation while the MSci course has full accreditation for Chartered IT Professional (CITP) status from the British Computer Society (BCS).

Year 1

Areas studied include software engineering, computer systems, databases, programming, accounting, human resources, quantitative methods and business modelling.

Year 2

Areas studied include software engineering, object-oriented programming, networks, operating systems, company finance, organisational studies, operations management, marketing and team projects.

Optional placement year

Optional professional placement in industry.

Year 3

Areas studied include leadership, strategic management, a range of optional specialised subjects, and an IT or computing project.

Year 4 (MSci only)

Areas studied include enterprise technology, managing a project team, a thesis project and a group project.

Graduate destinations

Bank of America, Merrill Lynch, British Airways, Dion Global, EY, Experian, Nomura, PwC, and Travis Perkins.

**Diploma in Professional Studies*

Information Technology Management for Business

MSci (Hons) DPS*: 5 years full-time with placement year
UCAS code: G500

MSci (Hons): 4 years full-time
UCAS code: G501

BSc (Hons) DPS*: 4 years full-time with placement year
UCAS code: GN51

BSc (Hons): 3 years full-time
UCAS code: GN52

Typical offers

A level: AAA (MSci)/ABB (BSc)

IB: (MSci) 37 (6,6,6 HL)/(BSc) 34 (6,5,5 HL)

BTEC Level 3 National Extended Diploma: (BSc only)

D*D*D* in Computing or IT (see online prospectus for MSci and BTEC/A level combinations)

GCSE: min. 5 GCSEs grades A*-B (9-6) including Maths



This course, designed in partnership with some of the world's leading IT employers, covers a vibrant mix of transferable skills and knowledge for those who want exciting and challenging management or professional careers designing, developing and implementing technology solutions for businesses. It is accredited by Tech Partnership Degrees and has partial (BSc)/full (MSci) BCS accreditation for Chartered IT Professional (CITP) status.

Year 1

Areas studied include accounting, computer systems, databases, human resource management, organisational behaviour, programming, business modelling and software engineering.

Year 2

Areas studied include industry insight, networks, operating systems, software engineering, object oriented programming, company finance, operations management, marketing and team projects.

Optional placement year

Optional professional placement in industry.

Year 3

Areas studied include strategic management, leadership and interpersonal skills, an IT or computing project and a range of optional specialised modules.

Year 4 (MSci only)

Areas studied include enterprise technology, managing a project team, a thesis project, and a group project.

Graduate destinations

ATOS, GlaxoSmithKline, Hewlett Packard, IBM, KPMG, Lloyds Banking Group, Mark Group Ltd, Nomura, Oracle, Sky, and Tesla.

**Diploma in Professional Studies*

Computer Science with a Foundation Year

This course is primarily for candidates who have not studied the prerequisite subjects needed for first year entry, not met their entrance requirements due to adverse situations, are a mature student returning to education or a care leaver.

Successful completion of the foundation course allows you to progress onto the first year of the undergraduate degree course.

For further details see pages 150-153 or visit the Foundation Studies web pages for information on typical offers and course content.

lboro.ac.uk/ug2020/foundation





“The teaching quality and facilities are second to none. I was so impressed when I first visited, now I get to use them every day and can genuinely say that they are incredible.”



Kofi

BSc Commercial Management
and Quantity Surveying

“I enjoy that my course enables
me not to just see the theory,
but to put it into practice too.”

Courses

Construction Engineering Management p136
Commercial Management and Quantity Surveying p136

You may also be interested in...

Architecture p84
Architectural Engineering p122
Civil Engineering p122

Our courses are accredited by:



Construction

Why choose Construction at Loughborough?

Our construction courses provide you with the knowledge and skills in technology, management, processes and commerce to succeed in industry. These sponsored courses offer an excellent education for future managers of construction projects by placing a strong emphasis on developing personal and professional skills, making our graduates very attractive to employers.

Industry focus

These courses were set up in response to specific requests from industry to fill crucial roles in the sector. These links with industry are strong with regular lectures from senior staff and input to the taught content. Many of our alumni now hold senior positions in the companies that sponsor our students and provide placement and graduate opportunities.

Placement year

The industrial placement year is an integral part of these courses, providing an excellent experience in applying what has been learnt at University into real world situations. The Loughborough Construction Consortium provides the core of

organisations offering excellent placements, supplemented by our extensive list of collaborating organisations across the construction sector. The year in industry can provide many benefits. Placement students earn a salary, typically over £16,500 per annum, and many are offered a permanent job with their host company when they graduate. You will gain an additional award, a Diploma in Industrial Studies (DIS) alongside your final qualification.

Professional accreditation

Our construction courses are both accredited. Construction Engineering Management is accredited by the Chartered Institute of Building (CIOB); Commercial Management and Quantity Surveying is accredited by both the Royal Institution of Chartered Surveyors (RICS) and the Chartered Institution of Civil Engineering Surveyors.

Career prospects

100% of our graduates were in employment or further study within six months of graduating, with 98% of those serving in managerial, professional or graduate level roles (DLHE, 2017 graduates). The average starting salary of our graduates is £29,000 (DLHE, 2017 graduates).



THE COMPLETE
UNIVERSITY GUIDE 2019
1ST IN UK
FOR BUILDING



THE TIMES GOOD
UNIVERSITY GUIDE 2019
1ST IN UK
FOR BUILDING



DLHE 2017
£29,000 AVERAGE
STARTING SALARY

Construction Engineering Management

BSc (Hons) DIS*: 4 years full-time with placement year
UCAS code: K291

Typical offers

A level: BBB or ABC

IB: 32 (5,5,5 HL) with 4 at SL Maths

BTEC Level 3 National Extended Diploma: DDM in a relevant subject

GCSE: GCSE Maths grade C/4



This is a multidisciplinary, broad-based building course with a focus on technical aspects and the management of construction and engineering projects. The course is sponsored by a consortium of contractors. The consortium companies offer sponsorships, work placements and graduate jobs for students, and enable practical experience in the form of site visits and guest speakers. The course is accredited by the Chartered Institute of Building and prepares its graduates for a wide range of management roles in the construction industry.

Year 1

Areas studied include introduction to structural design, building materials, principles of design and construction, site surveying, and measurement.

Year 2

Areas studied include management principles and practices, health and safety, contractors' estimating and planning, plant and equipment, and property development appraisal.

Placement year

Compulsory industrial placement (leading to DIS*).

Final year

Areas studied include advanced construction, pre-construction estimating and planning, building design project, 3D CAD modelling, and a research dissertation.

Graduate destinations

The course prepares students for a range of potential paths in the construction industry including estimating, planning, site engineering and project management, leading to a career in construction management.

Recent destinations include 3M, Anglian Water Services, Atkins, Balfour Beatty, British Airways, Kier, Taylor Woodrow, Virgin Atlantic and Walter Lilly.

**Diploma in Industrial Studies*

Commercial Management and Quantity Surveying

BSc (Hons) DIS*: 4 years full-time with placement year
UCAS code: HK22

Typical offers

A level: BBB or ABC

IB: 32 (5,5,5 HL) with 4 at SL Maths

BTEC Level 3 National Extended Diploma: DDM in a relevant subject

GCSE: GCSE Maths grade C/4



This course specialises in the contractual and financial aspects of managing construction projects. Students develop detailed knowledge of building and engineering contract law and construction contract procedures, along with understanding of commercial issues such as risk and cost management. The course is sponsored by a consortium of construction companies that offer sponsorships, work placements and graduate jobs.

The course is accredited by the Royal Institution of Chartered Surveyors and the Chartered Institution of Civil Engineering Surveyors. It prepares graduates for commercial management roles in the building or civil engineering sectors of the construction industry.

Year 1

Areas studied include principles of design and construction, building materials, measurement, environmental science, law, site surveying, and management statistics.

Year 2

Areas studied include contract administration, property development, measurement and technology, construction law, estimating and planning, and construction management. An option to study overseas for one semester exists in Year 2.

Placement year

Compulsory industrial placement (leading to DIS*).

Final year

Areas studied include construction and commercial management, design economics, estimating and planning, construction contracts, finance, and value engineering.

Graduate destinations

This course educates graduates to work with equal ease in any aspect of the quantity surveying profession in consultants' offices, for a construction company, for central or local government, or for the property departments of major companies.

Recent graduate destinations include Arcadis, Balfour Beatty, BAM, Gardiner & Theobald, Kier, LendLease, Morgan Sindall, Skanska, Simons, Taylor Woodrow, VINCI, and Walter Lilly.

**Diploma in Industrial Studies*



Architectural Engineering

MEng (Hons) DIS*: 5 years full-time with placement year*
UCAS Code: HK26

MEng (Hons): 4 years full-time
UCAS code: HK25

BEng (Hons) DIS*: 4 years full-time with placement year*
UCAS Code: HK24

BEng (Hons): 3 years full-time
UCAS Code: HK23

This is a multidisciplinary engineering design course focusing on integration of structural engineering, architecture and building energy performance.

See page 122 for more information.

**Diploma in Industrial Studies*

Urban Planning

MPlan (Hons) DIS*: 5 years full-time with placement year
UCAS code: K421

MPlan (Hons): 4 years full-time
UCAS code: K420

BSc (Hons) DIS*: 4 years full-time with placement year
UCAS code: K431

BSc (Hons): 3 years full-time
UCAS code: K430

This brand new course combines the expertise of the School of Architecture, Building and Civil Engineering with the Department of Geography and Environment. You will gain a broad understanding of the role of planning in overcoming urban challenges and having a positive impact on society.

See page 84 for more information.

**Diploma in Industrial Studies*



“Lecturers are always willing to engage with students both inside and outside of lectures, helping out if you don’t understand anything.”



Alex

BA Industrial Design and Technology

“The School is always investing in new machines, technologies and the latest software, so students are keeping pace with industry leaders.”

Courses

Industrial Design and Technology
Product Design and Technology

p140
p140

You may also be interested in...

Fine Art
Graphic Communication and Illustration
Product Design Engineering
Textiles: Innovation and Design

p88
p88
p179
p91

Our courses are accredited by:



Design

Why choose Design at Loughborough?

Our expertise and teaching is built on the design principles of aesthetics, technology and understanding the user. We inspire our students to develop their skills and knowledge, nurturing them into highly successful graduates.

We want each and every one of our design students to leave us with the drive and determination to succeed in the creative industries, developing into the next generation of talented designers.

The courses

All our design courses equip students with essential skills and understanding. This includes the effective development and communication of design ideas, the ergonomics of usability and interaction, product styling, three-dimensional designing, and the production and use of prototypes as a key part of design practice.

Facilities

Our state-of-the-art building is equipped with interconnecting workshops, studios, specialist laboratories, display areas, and computer facilities. For example, a special CAD/CAM facility includes 3 axis CNC milling machines, industry standard 3D printers, laser cutters and water jet cutting.

We are also proud to offer cutting-edge research facilities such as 3D scanners, motion capture, eye-tracking and driving simulators.

Employability

Over 94% of our 2017 graduates were in employment and/or further study six months after graduating. Many graduates gain employment in design, user centred design and design related work. Others choose to study at postgraduate level or become an entrepreneurial business executive.

In 2015 and 2017 the British Industrial Design Association ranked us as 1st in the UK for producing the most employable design graduates in an independent survey of design practitioners in the UK.

Placement year and study abroad

Our students have the option to extend their design course to a four-year degree with a placement year in industry. We also offer students the opportunity to study abroad at one of the many international universities we collaborate with.

Degree show

The School holds an annual Degree Show in June each year. This showcases work from the projects our final year students undertake. A selection of final year students also exhibit at the annual New Designers exhibition in London. It is the UK's most important graduate design exhibition, full of innovation and fresh thinking.



THE GUARDIAN
UNIVERSITY GUIDE 2019
4TH IN UK
FOR DESIGN



THE COMPLETE
UNIVERSITY GUIDE 2019
3RD IN UK FOR
ART AND DESIGN



THE TIMES GOOD
UNIVERSITY GUIDE 2019
4TH IN UK
FOR DESIGN



DLHE 2017
AVERAGE STARTING
SALARY £24,000



Industrial Design and Technology

BA (Hons) DPS/DIntS*: 4 years full-time with placement year
UCAS code: H776

BA (Hons): 3 years full-time
UCAS code: H775

Typical offers

A level: ABB including Design and Technology or Art and Design

IB: 34 (6,5,5 HL) including HL Design Technology or Visual Arts

BTEC Level 3 National Extended Diploma: DDM in Art and Design

GCSE: GCSE Maths grade C/4



This course will equip you with the skills and understanding of product form, usability and interaction to develop and communicate design ideas, product styling, 3D designing, and the production and use of prototypes as a part of design practice. It emphasises the ways that products are experienced by users. Throughout the course you will be expected to apply your understanding of product styling and form, branding, futures conceptualing and the circular economy to the design of future product-service systems.

Year 1

Areas studied include industrial design practice, user research, prototyping, ergonomics, workshop technology and practice, and the use of digital design tools.

Year 2

Areas studied include industrial design practice, electronics prototyping, user experience design and prototyping, design communication and manufacturing technologies.

Optional placement/study year

Optional professional placement and/or overseas study.

Final year

Areas studied include industrial design practice, design research, practice, live projects and a range of options from which students can select.

Graduate destinations

Possible careers include: industrial designer, product designer, UX designer, packaging designer, brand consultant, design researcher, and start-up entrepreneur. Recent graduate destinations include: Adidas, BBC, Cambridge Consultants, Christian Dior, DCA, Design Bridge, Dyson, Frog, IBM, IDEO, Joseph & Joseph, Kinneir Dufort, Microsoft, Native, PA Consulting Group, and Virgin Atlantic Airways.

**Diploma in Professional/International Studies*

Product Design and Technology

BSc (Hons) DPS/DIntS*: 4 years full-time with placement year
UCAS code: HJ79

BSc (Hons): 3 years full-time
UCAS code: HJ7X

Typical offers

A level: ABB including Physics or Maths plus Design and Technology or Art and Design

IB: 34 (6,5,5 HL) including 5 in HL Physics or Maths plus 5 in HL Design Technology or Visual Arts

BTEC Level 3 National Extended Diploma: DDM in Art and Design plus grade B in A level Maths or Physics

GCSE: GCSE Maths grade C/4



This course will equip you with the skills and knowledge of usability, electronics, mechanics and interaction to develop and communicate design ideas; product styling, 3D design and the production and use of prototypes as a key part of design practice. It takes a technologically innovative approach to the design and creation of beautiful, ingenious, functional and viable products.

Year 1

Areas studied include design practice and contexts, prototyping, materials and processes, electronics and mechanics, user centred design and research methods.

Year 2

Areas studied include design practice and communication, manufacturing technologies and electronics programming and interfacing, and mechanics.

Optional placement/study year

Optional professional placement and/or overseas study.

Final year

Areas studied include design practice, mechanics and electronics, live projects and a design research project and a range of options from which students can select.

Graduate destinations

Possible careers include: design consultant, product design engineer, engineer, graduate manager, marketing executive, technical packaging technician, junior graphic designer, and director. Recent graduate destinations include: Adidas, BBC, Burberry, Christian Dior, Dyson, Facebook, Google, Joseph & Joseph and Virgin Atlantic Airways.

**Diploma in Professional/International Studies*





“No other university gets the balance between academia and student experience as well as Loughborough does.”

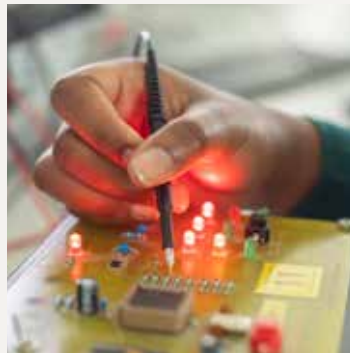
Our engineering courses

Aeronautical and Automotive Engineering	p78
Aeronautical Engineering	p80
Automotive Engineering	p80
Architecture and Urban Planning	p82
Architecture	p84
Urban Planning	p84
Bioengineering	p92
Bioengineering	p94
Biomaterials Engineering	p94
Chemical Engineering	p112
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Civil Engineering	p122
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Manufacturing Engineering	p177
Mechanical Engineering	p179
Product Design Engineering	p179
Robotics, Mechatronics and Control Engineering	p180
Sports Technology	p180

Engineering at Loughborough

Loughborough's history of excellence in engineering began in 1909. Today, we proudly stand as one of the largest engineering universities in the UK and our reputation for producing highly-skilled graduates is renowned across the industry.

All our engineering courses are ranked top 10 in at least one national 2019 university league table – The Complete University Guide, The Guardian University Guide, and The Times and Sunday Times Good University Guide 2019.





Milly
BA English

“My course has offered me exactly what I expected from a classic English degree, but also options that I hadn’t even thought about.”

Courses

English
English and Sport Science
English Literature
English with Business Studies
English with Creative Writing
English with Digital Humanities

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You may also be interested in...

Media and Communication
Sociology

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English

Why choose English at Loughborough?

We offer a unique, exciting, and ambitious range of courses taught by internationally leading scholars, teachers, and researchers. Each is designed to inspire talented individuals with the drive and determination to succeed.

We provide a rich palette of opportunities to enhance your existing skills, including access to our multi-million-pound facilities, teaching from research-active staff, contact with prominent contemporary industry links and superb entrepreneurial support.

Professional placement year

We have strong links with the creative industries and cultural sector, which help our students secure year-long and flexible work placements in the UK and internationally. These placements offer an invaluable opportunity to advance your skills and apply your knowledge to a working environment.

Recent placement destinations include The Walt Disney Company, Watford Palace Theatre, The British Council, Octagon Theatre, Urban Outfitters and Bosch.

Facilities

Students on our courses will have access to our state-of-the-art facilities, which provide industry-standard production possibilities and an unparalleled level of professional training.

The School offers great teaching spaces and venues for visiting lectures, readings and workshops by creative writers, as well as excellent audio-visual resources for film screenings. We also have theatre spaces, as well as state-of-the-art studio spaces for literary and creative events.

Career prospects

Over 97% of our recent English graduates were in employment and/or further study six months after graduating. Our students develop excellent transferable skills across the range of topics studied on our courses and because of the diversity of teaching methods we use.

A creative environment

Our students organise and participate in a wide range of events and activities including a student-run press, workshops, readings and creative writing evenings.

Loughborough is home to Lamplight Press, the UK's first student-led, non-profit publishing house. The Press offers students a unique opportunity to oversee the entire life cycle of a book through all stages of the production process, from commissioning a manuscript to copy-editing, designing the cover and layout, printing, marketing and selling. Through their involvement with Lamplight, students have the chance to gain invaluable practical publishing experience.

Students can also take advantage of The Student Wordsmith, an award-winning online writing and publishing platform aimed specifically at student and graduate audiences.



THE TIMES GOOD UNIVERSITY GUIDE 2019
7TH IN UK FOR GRADUATE PROSPECTS IN ENGLISH



DLHE 2017
97% OF RECENT ENGLISH GRADUATES IN WORK OR FURTHER STUDY



THE GUARDIAN UNIVERSITY GUIDE 2019
13TH IN UK FOR ENGLISH AND CREATIVE WRITING



DLHE 2017
86% OF EMPLOYED GRADUATES IN PROFESSIONAL OR MANAGERIAL ROLES



NEWLY REFURBISHED DEPARTMENT STUDY SPACES

English

BA (Hons) DIntS/DPS*: 4 years full-time with placement year[#]

UCAS code: Q301

BA (Hons): 3 years full-time[#]

UCAS code: Q300

Typical offers

A level: AAB including English (Literature, Language or both; General Studies accepted)

IB: 35 (6,6,5 HL) including HL English

BTEC Level 3 National Extended Diploma: DDM plus A level English grade B



This course is highly flexible, allowing you to pick and choose from a mix of core and optional modules. Whether you're interested in literature, language, film or creative writing, you can tailor this English degree to your passions and interests.

The curriculum of our English degree offers you the freedom to construct a course covering literature and language within a broad range of fields and approaches, providing a stimulating environment for your degree work.

The knowledge and enthusiasm of our academic staff make this a vibrant and supportive place for you to study, and to learn transferable skills for your future employment.

Year 1

Areas studied include English language, poetry, narrative forms and fiction, and literary and critical theories.

Year 2

Areas studied include Renaissance writings, Victorian literature and writing from the Modernist era, as well as a range of optional modules.

Optional placement/study year

Optional professional placement and/or overseas study.

Final year

Students will complete a compulsory dissertation and choose from a range of optional modules.

Graduate destinations

Graduates go into a variety of roles in advertising, archiving, the civil service, creative arts, journalism, human resources, marketing, product development, management, the media (both TV and radio), public relations, publishing, research, teaching, law, and web editing.

**Diploma in Professional/International Studies*

#Please note that you can move between the three- and four-year versions of the same course once enrolled.

English and Sport Science

BA (Hons) DIntS/DPS*: 4 years full-time with placement year[#]

UCAS code: Q3C6

BA (Hons): 3 years full-time[#]

UCAS code: QC36

Typical offers

A level: AAB including English (Literature, Language or both; General Studies accepted)

IB: 35 (6,6,5 HL) including HL English

BTEC Level 3 National Extended Diploma: DDM plus A level English grade B



This course is specifically designed for those who are passionate about English language and/or literature, and wish to study sport, coaching and physical education. This is an outstanding multi-disciplinary degree for those wanting a solid grounding in both English and sport science.

Whilst each discipline has its distinctive subjects and approaches, you will also discover productive connections and overlaps between them.

Year 1

Areas studied include narrative forms and fiction, literary and critical theories, physical activity and contemporary issues in sport cultures.

Year 2

Areas studied include Renaissance writings, Victorian literature, Modernisms and physical activity and health.

Optional placement/study year

Optional professional placement and/or overseas study.

Final year

Areas studied include teaching physical education, sport and exercise science and an optional dissertation.

Graduate destinations

Graduate destinations have included British Swimming, Williams Group, Norbert Dentressangle, Panini Group, British Gymnastics and Marriott International. Postgraduate opportunities exist for further study and research at Loughborough and several other UK universities.

**Diploma in Professional/International Studies*

#Please note that you can move between the three- and four-year versions of the same course once enrolled.



English Literature

BA (Hons) DIntS/DPS*: 4 years full-time with placement year[#]

UCAS code: Q321

BA (Hons): 3 years full-time[#]

UCAS code: Q320

Typical offers

A level: AAB including English (Literature, Language or both; General Studies accepted)

IB: 35 (6,6,5 HL) including HL English

BTEC Level 3 National Extended Diploma: DDM plus A level English grade B



Our English Literature BA (Hons) degree is a fantastic opportunity to pursue your love of literature – studying texts from the Renaissance period right through to the 21st century.

The course will introduce you to key concepts and periods in your first year, through a range of carefully designed core modules introducing the fundamentals of poetic language and form, the study of language, literary theory, narrative forms and fictions, and the major periods of literary history.

You'll be taught by knowledgeable world-leading experts and will have the opportunity to specialise in a literary topic for your final-year dissertation.

Year 1

Areas studied include narrative forms and fiction, literary and critical theories, poetry, and language, as well as choices from a range of optional modules.

Year 2

Areas studied include Renaissance writing, 18th-century literature, Victorian literature, and Modernisms, plus choices from a range of optional modules.

Optional placement/study year

Optional professional placement and/or overseas study.

Final year

Areas studied include a compulsory literature dissertation and a core module on adapting Shakespeare, as well as choices from a range of optional modules.

Graduate destinations

Graduates from our English courses have entered careers in arts administration, accountancy, advertising, archiving, the civil service, creative arts, journalism, human resources, marketing, product development, management, the media (both TV and radio), public relations, publishing, research, teaching, law and web editing.

**Diploma in Professional/International Studies*

#Please note that you can move between the three- and four-year versions of the same course once enrolled.

English with Business Studies

BA (Hons) DIntS/DPS*: 4 years full-time with placement year[#]

UCAS code: QN31

BA (Hons): 3 years full-time[#]

UCAS code: Q3N1

Typical offers

A level: AAB including English (Literature, Language or both; General Studies accepted)

IB: 35 (6,6,5 HL) including HL English

BTEC Level 3 National Extended Diploma: DDM plus A level English grade B



Being two-thirds English and one-third business studies, English with Business Studies is specifically designed for those who are passionate about English language and literature, and who also wish to learn the theory behind setting up a business. This course is a great opportunity if you are interested in running your own company in the creative industries.

Year 1

Areas studied include narrative forms and fiction, literary and critical theories, English literature in its historical context, law, management, human resources and organisational behaviour.

Year 2

Areas studied include Victorian literature, Modernisms, principles of marketing, accounting for managers and the marketing mix.

Optional placement/study year

Optional professional placement and/or overseas study.

Final year

Areas studied include dissertation, entrepreneurship, strategic management and leadership, as well as choices from a range of optional modules.

Graduate destinations

Graduates from our English with Business Studies degree go into many different careers including arts administration, accountancy, advertising, the civil service, local government, the City, creative arts, journalism, marketing, management, the media (both TV and radio), personnel work, business and finance, publishing, teaching, law, and social and youth work.

**Diploma in Professional/International Studies*

#Please note that you can move between the three- and four-year versions of the same course once enrolled.

English with Creative Writing

BA (Hons) DIntS/DPS*: 4 years full-time with placement year[#]

UCAS code: Q3W8

BA (Hons): 3 years full-time[#]

UCAS code: QW38

Typical offers

A level: AAB including English (Literature, Language or both; General Studies accepted)

IB: 35 (6,6,5 HL) including HL English

BTEC Level 3 National Extended Diploma: DDM plus A level English grade B



This course offers great flexibility through its mixture of optional and compulsory modules in creative writing, literary history and the study of language, allowing you to tailor your studies to your interests.

Students have the freedom to construct a course covering creative writing, literature and language within a broad range of fields and approaches, in a stimulating learning environment.

There are opportunities to study drama, poetry and prose, and students will be encouraged to reflect analytically and critically on their developing practice as writers. They will also be required to undertake a major piece of creative writing as part of their dissertation in their third year.

Year 1

Areas studied include narrative forms and fiction, literary and critical theories, poetry, creative writing and language.

Year 2

Areas studied include developing your creative writing, as well as Renaissance writing, Victorian literature and Modernisms.

Optional placement/study year

Optional professional placement year/overseas study.

Final year

Areas studied include a creative writing dissertation and a module focusing on your identity as a writer investigating routes towards publication, as well as choices from a range of optional modules.

Graduate destinations

Graduates from our English courses have entered careers in arts administration, accountancy, advertising, archiving, the civil service, creative arts, journalism, human resources, marketing, product development, management, the media (both TV and radio), public relations, publishing, research, teaching, law and web editing.

[#]Diploma in Professional/International Studies

[#]Please note that you can move between the three- and four-year versions of the same course once enrolled.

English with Digital Humanities

BA (Hons) DPS/DIntS*: 4 years full-time with placement year[#]

UCAS code: Q390

BA (Hons): 3 years full-time[#]

UCAS code: Q391

Typical offers

A level: AAB including English (Literature, Language or both; General Studies accepted)

IB: 35 (6,6,5 HL) including HL English

BTEC Level 3 National Extended Diploma: DDM plus A level English grade B



This innovative course is designed for students who wish to combine elements of a traditional English degree with the acquisition of new digital skills. It introduces the rapidly evolving field of digital humanities, and focuses, in particular, on the significance of the digital revolution for the reading of literary texts. It will equip you with skills in textual interpretation and analysis as well as applied digital knowledge in web design and blogging, desktop publishing, text encoding, data visualisation and digital editing.

Our academic staff are recognised for their expertise in digital approaches to literature, literary and editorial theory, contemporary publishing, and all the periods of literary history. Their enthusiasm for research and teaching in these areas makes this a vibrant and supportive place for you to study, with top-of-the-range technical facilities available to assist you in developing the digital acumen that will make you stand out in a fast-changing workplace.

Year 1

Areas studied include digital texts, narrative forms and fiction, poetry, and literary and critical theories.

Year 2

Areas studied include the digital literary sphere, Renaissance writings, Victorian literature and writing from the Modernist period, as well as a range of optional modules.

Optional placement/study year

Optional professional placement and/or overseas study.

Final year

Areas studied include digital editing, a digital humanities dissertation and choices from a range of optional English modules.

Graduate destinations

Graduates can expect to go into various careers, particularly marketing, publishing, advertising and web design.

[#]Diploma in Professional/International Studies

[#]Please note that you can move between the three- and four-year versions of the same course once enrolled.





“My lecturers make the seminars and lectures worthwhile. Their expertise and bubbly personalities are an asset to the department.”



Pavan

Art and Design Foundation Studies

“My course is like nothing I’ve ever done before. It is fast-paced and I’m constantly coming up with ideas from having the opportunity to try new things.”



Foundation Studies

Why choose Foundation Studies at Loughborough?

Our range of Foundation courses enable entry on to a wide selection of Loughborough University degrees for students that have not studied the correct subjects.

Our foundation courses are well-established, integrated programmes and taught by highly qualified staff with significant experience in teaching students from a diverse range of backgrounds. We will provide the fundamental skills needed to progress on to Loughborough degree courses.

From day one, students on a foundation course become members of Loughborough University, giving them full access to all the facilities, support services, clubs and societies on offer. Completing a foundation year can provide a real boost to overall degree success and excellent preparation for the transition into university life.

Facilities

You'll have access to a wide range of first-class facilities. STEMLab is a brand-new, state-of-the-art laboratory facility for science and engineering subjects.

It forms part of a wider £25 million investment in the West Park of our campus and allows us to offer new ways of learning and collaborating, with a 'drop-in' engineering workshop, teaching laboratories, workshops, computer-aided design and rapid prototyping facilities, a design studio and informal learning spaces.

These enhanced facilities further increase our ability to train and develop skilled graduates that are targeted by major employers from across the world.

Our guarantee

Foundation students are guaranteed entry on to their chosen undergraduate course, provided that the relevant progression requirements set by their destination department are met.

Career prospects

Previous foundation year students have secured jobs in a range of national companies after graduation, including Ferrari, Boots, Johnson Matthey, Lloyds Banking Group, Jaguar Land Rover, Signalling Solutions Ltd, AML Technologies and Ford Motor Company.

We also offer a specialist range of foundation courses for our elite athletes and a full range of foundation courses for our international students.

Case-by-case treatment

Applications are treated on a case-by-case basis and a number of personal issues may be considered. For example, if you are a mature student returning to education, a care leaver, you did not meet your expected entrance requirements due to adverse situations and those with alternative backgrounds and qualifications.



GUARANTEED ENTRY ONTO CHOSEN COURSE*

*PROVIDING RELEVANT PROGRESSION REQUIREMENTS ARE MET



RANGE OF OPTIONS DESIGNED SPECIFICALLY FOR INTERNATIONAL STUDENTS



PATHWAYS AVAILABLE FOR ELITE ATHLETES

Foundation Studies

These courses provide a second chance for those who have not studied the prerequisite subjects needed for first year entry, not met their entrance requirements due to adverse situations, are a mature student returning to education or a care leaver.

By achievement of the relevant criteria, this programme allows progression to degree courses in the following subject areas:

- Aeronautical Engineering
- Automotive Engineering
- Bioengineering
- Biosciences
- Biochemistry
- Chemical Engineering
- Chemistry
- Civil Engineering
- Computer Science
- Electronic and Electrical Engineering
- Engineering Management
- Geography
- Manufacturing Engineering
- Materials Science and Engineering
- Mathematics
- Mechanical Engineering
- Natural Sciences
- Physics
- Product Design Engineering
- Social Sciences
- Sports Technology

For more information on typical offers and course content, visit our website.

lboro.ac.uk/ug2020/foundation

Elite athletes

Our foundation courses also offer opportunities to students performing at a very high standard in their chosen sport*, who wish to study at Loughborough, but do not have the required qualifications due to sporting commitments. It is ideal for those who wish to combine their sports training with academic study.

As an elite athlete or elite level coach studying at the UK's top sporting university, you will benefit from a package of excellent coaching, expert strength and conditioning, sport medicine support and discounted gym membership in addition to access to our extensive sports and training facilities, where possible. Tailored individual support and further development opportunities are available, too.

Elite athletes can progress to degree courses in the following subject areas:

- Accounting
- Aeronautical Engineering
- Automotive Engineering
- Bioengineering
- Biosciences
- Biochemistry
- Business
- Chemical Engineering
- Chemistry
- Civil Engineering
- Computer Science
- Economics
- Electronic and Electrical Engineering
- Engineering Management
- Finance
- Geography
- Human Biology
- Management
- Manufacturing Engineering
- Materials Science and Engineering
- Mathematics
- Mechanical Engineering
- Natural Sciences
- Physics
- Product Design Engineering
- Psychology
- Social Sciences
- Sport and Exercise Psychology
- Sport and Exercise Science
- Sport Management

Continuation to these courses is guaranteed by achievement of the specific progression criteria.

If you think your sport profile qualifies you to be considered for this course, please contact performancesport@lboro.ac.uk

For more information on typical offers and course content, visit our website.

lboro.ac.uk/ug2020/foundation

*Defined as competing at junior international level or higher, or expecting to do so in the next 12 months.



Art and Design Foundation Studies **International Foundation Programme**

This course leads to a UAL Level 3 Diploma in Art and Design Foundation Studies that will satisfy the entrance requirements for progression to undergraduate courses in art and design. It is fast-paced, fun, and creative, encouraging you to develop your artistic ability.

Our internationally renowned staff will help you grow as an artist over the year, teaching you both theoretical and practical learning in 3D design, fine art, graphic communication, illustration and textiles. You will learn a broad range of skills in the conceptual, practical, historical and theoretical elements of each of these subjects, and then be given the freedom to tailor the course to focus on your preferred area.

We have a full roster of ceramics, woodwork, plastics and metal workshops on site, together with a comprehensive digital IT lab and studio set up, with dedicated technicians that can help students achieve an unrivalled level of quality in their creative output.

Note that students applying for this course will not be eligible for Higher Education Funding as this course is considered a FE course.

lboro.ac.uk/ug2020/aed

These programmes are designed for high-calibre international fee-paying students who have not studied the prerequisite subjects needed for first year entry or those that have successfully completed 12 years of school education and need an extra year of study.

A mixture of subject-specific modules, classes in academic English language and study skills prepares students for university life.

Please see our website for full details of the courses that are offered.

lboro.ac.uk/ug2020/international-foundation





Emmanuel

BSc Geography and Management

“I enjoy the different case studies we learn in each module and how the course relates to major events across the globe.”

Courses

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Geography and Management	p156	Civil Engineering	p122
Geography and Sport Science	p157	Natural Sciences	p184
Geography with Economics	p157	Sociology	p207
Geography with a Foundation Year	p158		

Our Geography and Geography with Economics courses are accredited by:



Geography and Environment

Why choose Geography and Environment at Loughborough?

Our students benefit from high-quality, research-informed teaching ensuring the very best learning experience. Studying one of our Geography courses will prepare you for a wide range of exciting and diverse career opportunities.

We offer modules that will develop your understanding of our rapidly changing planet. Through the interlinked strands of human and physical geography, our courses bridge the social sciences and natural sciences. With 50 academic, research and support staff and over 450 students, we offer a fantastic learning environment.

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 degree is at the cutting-edge of scientific research and focused on some of the most important issues in society today.

Accreditation

All our eligible courses (BA Geography; BSc Geography; BSc Geography with Economics) are accredited by the Royal Geographical Society (with IBG).

Employability

We pride ourselves in supporting our students to fulfil their potential and to graduate as confident, capable, adaptable individuals equipped with the skills that are demanded by today's employers.

Employability skills are embedded in all our courses and our graduates are appointed in posts across a range of industries and sectors.

Fieldcourses

The methods of teaching and learning we use vary from large lecture-based classes to seminars and practical classes, through to individual sessions with an academic advisor. Fieldcourses are available in a range of UK and overseas locations and in recent years these have included Ghana, Singapore, Paris, Sweden and Wales.

Facilities

Modern facilities provide the perfect environment for all types of classes, with the latest technology and laboratory equipment available to carry out cutting-edge geographical research. There are also study areas where students can work independently or in groups.



THE GUARDIAN
UNIVERSITY GUIDE 2019
4TH IN UK FOR
GEOGRAPHY AND
ENVIRONMENTAL
STUDIES



NSS 2018
94% OVERALL
SATISFACTION IN
GEOGRAPHY



ALL ELIGIBLE COURSES
ACCREDITED BY THE
ROYAL GEOGRAPHICAL
SOCIETY (WITH IBG)



Geography

BA (Hons) DPS/DIntS*: 4 years full-time with placement year
UCAS code: L701

BA (Hons): 3 years full-time
UCAS code: L700

BSc (Hons) DPS/DIntS*: 4 years full-time with placement year
UCAS code: F801

BSc (Hons): 3 years full-time
UCAS code: F800

Typical offers

A level: AAB

IB: 35 (6,6,5 HL)

BTEC Level 3 National Diploma: DD plus A level
 Geography grade B



Students can study either for a BA or BSc in Geography. Both courses provide a sound understanding of how social and physical processes affect our rapidly changing planet, before allowing you to specialise in human geography (BA) or physical geography (BSc). It is still possible to maintain a balance of human and physical geography; both the BA and BSc allow you to do this.

Year 1

Areas studied include cartography and digital mapping, quantitative methods, environmental hazards, global economic change, geographies of identity, global environmental change at local scale, earth system science, with all students attending a residential fieldcourse.

Year 2

Areas studied include research design and practice, and a range of optional modules including forest ecology, globalisation and fieldcourses.

Optional placement/study year

Optional professional placement and/or overseas study.

Final year

Areas studied include a range of specialist human geography, physical geography and fieldcourse modules plus a compulsory dissertation.

Graduate destinations

Our graduates are appointed to posts across a full range of industries and sectors, including administration, finance, management, the armed forces, computing, industry, international aid, development and environmental agencies, and education.

**Diploma in Professional/International Studies*

Geography and Management

BSc (Hons) DPS/DIntS*: 4 years full-time with placement year
UCAS code: FN82

BSc (Hons): 3 years full-time
UCAS code: FN8F

Typical offers

A level: AAB

IB: 35 (6,6,5 HL)

BTEC Level 3 National Diploma: DD plus A level
 Geography grade B



This degree will appeal to those looking to extend their knowledge of the social and physical processes affecting our rapidly changing planet, as well as develop their understanding of management.

You will spend equal amounts of time studying each subject, and there is also the opportunity to explore the relationship between geography and management in an optional final year dissertation.

Year 1

Areas studied include human geography, physical geography, and academic and professional study skills. Management topics include organisational behaviour, human resources and accounting.

Year 2

Areas studied include a range of human geography, physical geography, and fieldcourse modules. Management topics include marketing, organisation studies and management sciences.

Optional placement/study abroad year

Optional professional placement or study abroad year.

Final year

Areas studied include a range of specialist geography and management modules plus a compulsory strategic management module.

Graduate destinations

All of our courses develop a range of subject-specific and transferable skills. Graduates from this degree have pursued exciting and diverse career paths and almost all of them are in employment within a few months of graduating, or progress to postgraduate study.

**Diploma in Professional/International Studies*



Geography and Sport Science

BSc (Hons) DPS/DIntS*: 4 years full-time with placement year
UCAS code: FC8F

BSc (Hons): 3 years full-time
UCAS code: FC86

Typical offers

A level: AAB

IB: 35 (6,6,5 HL)

BTEC Level 3 National Diploma: DD plus A level
 Geography grade B



This course aims to develop your understanding of how physical and social processes affect our rapidly changing planet, as well as enhance your knowledge of sport science.

Geography modules span human and physical geography and you will have the option to specialise between them as preferred in second and third year.

You will also develop a theoretical, critical and practical understanding of sport science with the help of the UK's leading School of Sport, Exercise and Health Sciences.

Year 1

Areas studied include human geography, physical geography, and academic and professional study skills. Sport science topics include sport and the social sciences, sport and exercise science, and teaching physical education.

Year 2

Areas studied include a range of human geography, physical geography, and fieldcourse modules, as well as various sport science topics including conceptualising sport and fitness training and analysis.

Optional placement/study abroad year

Optional professional placement or study abroad year.

Final year

Areas studied include a range of specialist geography modules and the option of conducting independent research. Sport science topics are selected from a range of optional modules including psychology of coaching and physical education, and physical activity and health in practice.

Graduate destinations

Recent graduates have been appointed to posts across a broad range of industries and sectors. Some go on to further study or training, or take up posts that reflect the content of both subjects such as teacher training for Physical Education and Geography; others have been appointed to posts in publishing, sport marketing, administration and management.

**Diploma in Professional/International Studies*

Geography with Economics

BSc (Hons) DPS/DIntS*: 4 years full-time with placement year
UCAS code: LL18

BSc (Hons): 3 years full-time
UCAS code: LL17

Typical offers

A level: AAB

IB: 35 (6,6,5 HL)

BTEC Level 3 National Diploma: DD plus A level
 Geography grade B



This degree combines a focus on the social and physical processes affecting our rapidly changing planet, as well as developing your knowledge and understanding of economics. It is taught in partnership with one of the UK's leading Schools of Business and Economics.

Skills acquisition and assessment are increasingly important for employment prospects and these are given prominence throughout the degree.

Year 1

Areas studied include human and physical geography, macro and microeconomics.

Year 2

Areas studied include a range of human geography, physical geography, and fieldcourse modules. Economics topics include finance and the economics of social issues.

Optional placement/study abroad year

Optional professional placement or study abroad year.

Final year

Areas studied include a range of specialist geography modules and the option of conducting independent research. Economics topics include transport economics, economic relations and financial economics.

Graduate destinations

Our graduates are appointed to posts across a full range of industries and sectors, including administration, finance, management, the armed forces, computing, industry, international aid, development and environmental agencies, and education. Almost all our graduates are in employment within a few months of graduating, or progress to postgraduate study.

**Diploma in Professional/International Studies*

Geography with a Foundation Year

This course is primarily for candidates who have not studied the prerequisite subjects needed for first year entry, not met their entrance requirements due to adverse situations, are a mature student returning to education or a care leaver.

Successful completion of the foundation course allows you to progress onto the first year of the undergraduate degree course.

For further details see pages 150-153 or visit the Foundation Studies web pages for information on typical offers and course content.

lboro.ac.uk/ug2020/foundation



“The modules are very broad which means that you can focus on the areas and concepts that interest you most.”



Olivia

BA History

“I love the support we receive from tutors, they will always help you when you need it.”



Courses

History
History and International Relations
History and Politics

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You may also be interested in...

Politics and International Relations
Politics
Politics, Philosophy and Economics
International Relations

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History

Why choose History at Loughborough?

Studying History at Loughborough helps you to interpret the past, understand the present and determine your own future. Our History courses explore the motivations of people in the past, and the causes and legacies of key events. They allow you to understand why political, economic, social and cultural change happens and illuminate the ways that historians disagree over these trends.

Placement year and study abroad

We encourage and support students who wish to undertake a year-long work placement during their degree. You will also have an opportunity to spend your third year (or a single semester of your degree) abroad by securing paid work teaching English to school children or studying at a European university.

You can study abroad in a European language, but it is also possible to go to an English-speaking university either in Europe or elsewhere, for example in the USA or Australia.

Learn a language

There are options to study a new language alongside your degree, including French, German, Spanish and Mandarin Chinese, to suit all levels of ability.

Employability

We are 1st in the UK for Positive Destinations amongst History graduates (DLHE 2017). Our graduates undertake a wide variety of careers in the private and public sectors, at home and abroad, in marketing, management, financial services, advertising, the armed forces, journalism, publishing, teaching and politics.

Facilities

Students have access to a wide range of facilities including newly refurbished common rooms, study spaces and a purpose-built computer lab, which serves as a self-teaching laboratory for language students and provides open-access computers for everyone.

Informed teaching

The historians at Loughborough play an active role in helping shape the academic and practical world with their research and expertise. This includes work with the Department for Education, the British Library, the Institute for Education and overseeing the pedagogical development of UK History degrees.



THE TIMES GOOD
UNIVERSITY GUIDE 2019
2ND IN UK FOR
STUDENT EXPERIENCE
IN HISTORY



DLHE 2017
1ST IN UK
FOR POSITIVE
DESTINATIONS
IN HISTORY



NSS 2018
98% OVERALL
SATISFACTION IN
HISTORY



History

BA (Hons) DPS/DIntS*: 4 years full-time with placement year

UCAS code: V101

BA (Hons): 3 years full-time

UCAS code: V100

Typical offers

A level: ABB (General Studies accepted)

IB: 34 (6,5,5 HL)

BTEC Level 3 National Extended Diploma: DDM



This course has been designed with a unique consultation process involving current, recent and prospective students and is taught by a team of historians who have won awards and grants for their teaching excellence.

Teaching spans the period from 1600 to the present, focusing mostly on the modern era. Its subject matter includes Britain and mainland Europe, but extends further afield to North America, the British Empire, Soviet Russia, South Asia, Australia and China. It begins with broad survey courses, proceeds with the history of individual countries or themes and culminates in specialist case studies.

You can also choose to study a foreign language as part of our History degree.

Year 1

Areas studied include the making of the world order, the ideology of modern European, Atlantic and world history, and training in skills and methods.

Year 2

Areas studied include modern history of Britain, Germany, China, South Asia, Russia and North America.

Optional placement/study year

Optional professional placement and/or overseas study.

Final year

You will conduct in-depth research on a dissertation project and choose from a range of optional modules including the Beatles and sixties Britain, the rise of Nazism, Jim Crow America, the British Empire, and the visual culture of the Soviet Union.

Graduate destinations

Recent graduate destinations include Sky Sports, Metropolitan Police, Diageo and Informa.

**Diploma in Professional/International Studies*

History and International Relations

BA (Hons) DPS/DIntS*: 4 years full-time with placement year

UCAS code: VL1G

BA (Hons): 3 years full-time

UCAS code: VL12

Typical offers

A level: ABB (General Studies accepted)

IB: 34 (6,5,5 HL)

BTEC Level 3 National Extended Diploma: DDM



The joint honours degree courses allow you to gain a first-class exposure to two subjects and to acquire a broader range of skills than a normal single honours degree, whilst at the same time enjoying the benefits of specialisation.

The historical component of our History and International Relations degree spans the period from 1600 to the present, focusing mostly on the modern era. Its subject matter includes Britain and mainland Europe, but extends further afield to North America, the British Empire, Soviet Russia, South Asia, Australia and China.

On our BA History and International Relations degree, the International Relations component enables you to understand how key global factors have responded to international political, economic and social challenges since the Second World War.

Year 1

Areas studied include modern European and world history, the nature of history, international organisations, democratic government, international political theory and the contemporary world arena.

Year 2

Areas studied include the United States, Russia, China, slavery, the European Union, small wars, security studies, political simulation and foreign policy analysis.

Optional placement/study year

Optional professional placement and/or overseas study.

Final year

You will conduct in-depth research on a dissertation project and choose from a range of optional modules including the Beatles and sixties Britain, the rise of Nazism, Jim Crow America, the British Empire, the visual culture of the Soviet Union, the Politics of Militarism, International conflict management, terrorism and populism.

Graduate destinations

Recent graduate destinations include Sky Sports, Metropolitan Police, Diageo and Informa.

**Diploma in Professional/International Studies*



History and Politics

BA (Hons) DPS/DIntS*: 4 years full-time with placement year

UCAS code: VL1H

BA (Hons): 3 years full-time

UCAS code: VL1F

Typical offers

A level: ABB (General Studies accepted)

IB: 34 (6,5,5 HL)

BTEC Level 3 National Extended Diploma: DDM



The joint honours degree courses allow you to gain a first-class exposure to two subjects and to acquire a broader range of skills than a normal single honours degree, whilst at the same time enjoying the benefits of specialisation.

The historical component of the degree spans the period from 1600 to the present, focusing mostly on the modern era.

The political component of the degree equips you to think critically and analytically about contemporary political issues, actors and institutions. It allows you to understand the mechanics of a variety of political institutions at a domestic and international level, as well as topical issues, ideas and controversies.

Year 1

Areas studied include modern European and world history, the nature of history, political ideologies and theory, democratic government and the contemporary world arena.

Year 2

Areas studied include twentieth century Britain, the United States, Russia, China, slavery, the politics of developing countries, political simulation and the nature of conflict.

Optional placement/study year

Optional professional placement and/or overseas study.

Final year

You will conduct in-depth research on a dissertation project and choose from a range of optional modules including the Beatles and sixties Britain, the rise of Nazism, Jim Crow America, the British Empire, the visual culture of the Soviet Union, the Asia-Pacific, Politics of Militarism, Post-war Britain, terrorism and populism.

Graduate destinations

Recent employment examples include: Jaguar Land Rover, Graduate Trainee; Independent Parliamentary Standards Authority, Caseworker; Deloitte, Associate; Bank of America, Operations Analyst.

**Diploma in Professional/International Studies*

“I would like to go into the Civil Service or teaching. My degree has taught me how to write policy briefs and also how to design and teach a subject from scratch.”





Oscar

MEng Materials Science
and Engineering

“I did a placement year at
Caterpillar, performing high
pressure failure investigations
and materials validation tests.”

Courses

Materials Science and Engineering
Automotive Materials
Materials with a Foundation Year

p166
p166
p167

You may also be interested in...

Bioengineering p94
Biomaterials Engineering p94
Natural Sciences p184
Physics p188
Product Design Engineering p179
Product Design and Technology p140

Our Automotive Materials course is accredited by:



Materials

Why choose Materials at Loughborough?

Our highly rated courses offer a great mix of science, engineering, design and hands-on practical work, with strong demand for our graduates from employers.

Materials has been a core strength at Loughborough for over 50 years and we are one of just a few dedicated Materials departments in the UK. Over time we have developed a significant reputation for innovation and quality with leading industrial partners, who have high regard for our students and graduates, their degrees and our research.

A flexible degree

Year 1 of all Materials courses is identical for greater flexibility/mobility.

Professional recognition

Our established courses are accredited to facilitate future progression towards professional qualifications such as Chartered Engineer (CEng). We finance membership of the Institute of Materials, Minerals and Mining (IOM3) for all our students and strongly believe in the benefits professional institutes and industry bodies can bring.

Placement year

All our courses offer the option to complete a salaried year in industry, where you can gain an extra qualification (Diploma of Industrial Studies – DIS). Close links with industrial partners means we can provide our students with considerable help in sourcing, securing, supporting and assessing their placement.

Facilities

The Department is superbly well-equipped, with extensive laboratories containing state-of-the-art equipment in materials processing, testing, analysis, simulations and characterisation, electron microscopy, x-ray, thermal and surface analysis.

Our newly refurbished building houses an extensive array of industrial and pilot scale materials processing machines and equipment for preparation, formulation and testing. Our computer labs offer IT, CAD, modelling, materials selection and process simulation applications.

STEMLab building is a £17 million investment in new state-of-the-art laboratory and workshop facilities, which includes a suite of laboratories specially designed for practical work in materials science and engineering.

Employability

Materials graduates are currently in high demand from employers and their roles span technical, production, project and research management through to quality, technical support, marketing and business/finance careers.

Industrial contacts in the department are substantial with an annual research income of over £3 million. These contacts not only provide potential employment for our students, but also bring invaluable experience from within industry which is reflected in our teaching.



THE GUARDIAN
UNIVERSITY GUIDE 2019
2ND IN UK FOR
MATERIALS



NSS 2018
1ST FOR OVERALL
SATISFACTION



THE TIMES GOOD
UNIVERSITY GUIDE 2019
1ST FOR TEACHING
QUALITY AND STUDENT
EXPERIENCE



DLHE 2017
98% OF RECENT
GRADUATES IN WORK
OR FURTHER STUDY



Materials Science and Engineering

MEng (Hons) DIS/DIntS*: 5 years full-time with placement year
UCAS code: J503

MEng (Hons): 4 years full-time
UCAS code: J502

BEng (Hons) DIS/DIntS*: 4 years full-time with placement year
UCAS code: J501

BEng (Hons): 3 years full-time
UCAS code: J500

Typical offers

A level: AAA (MEng)/ABB (BEng) including two from Maths, Physics and Chemistry

IB: (MEng) 37 (6,6,6 HL)/(BEng) 34 (6,5,5 HL) including any two of Maths, Chemistry or Physics at HL

BTEC Level 3 National Extended Diploma: D*DD (MEng)/DDM (BEng) with distinction in Maths modules

GCSE: GCSE Maths grade C/4



This course covers all the fundamental scientific, engineering and design aspects of Materials, their structure, properties, processing, in-service behaviour and environmental impact.

Year 1

Areas studied include materials science, experimentation and practical skills, CAD, engineering analysis and modelling, thermodynamics, mechanics, product design, mathematics for materials, processing and applications of materials.

Year 2

Areas studied include fracture mechanics of materials, materials modelling, statistics, characterisation, mechanics, materials in service, materials processing, mathematics, group design project.

Optional placement/study year

Optional professional placement and/or overseas study.

Year 3

Areas studied include nano-materials, advanced processing, composites, surface engineering, functional materials, advanced principles of materials, industrial case studies (BEng only), and research project.

Year 4 (MEng only)

Areas studied include advanced characterisation techniques, materials modelling, energy materials, and a substantial group design project.

Graduate destinations

BAE Systems, British Glass, Dyson, Fluor Ltd, Jaguar Land Rover, JCB, Meggitt, Morgan Advanced Materials, Rolls-Royce, Royal Air Force, TATA Steel.

**Diploma in Industrial/International Studies*

Automotive Materials

MEng (Hons) DIS/DIntS*: 5 years full-time with placement year
UCAS code: J553

MEng (Hons): 4 years full-time
UCAS code: J552

BEng (Hons) DIS/DIntS*: 4 years full-time with placement year
UCAS code: J551

BEng (Hons): 3 years full-time
UCAS code: J511

Typical offers

A level: AAA (MEng)/ABB (BEng) including two from Maths, Physics and Chemistry

IB: (MEng) 37 (6,6,6 HL)/(BEng) 34 (6,5,5 HL) including any two of Maths, Chemistry or Physics at HL

BTEC Level 3 National Extended Diploma: D*DD (MEng)/DDM (BEng) with distinction in Maths modules

GCSE: GCSE Maths grade C/4



This course blends materials engineering with vehicle and engine design, plus management skills and the international awareness that is required of professional engineers.

Year 1

Areas studied include materials science, experimentation and practical skills, CAD, engineering analysis and modelling, thermodynamics, mechanics, product design, mathematics for materials, processing and applications of materials.

Year 2

Areas studied include vehicle design and development, vehicle loading and suspension, internal combustion engines, materials in service, processing, characterisation, mathematics, mechanics and fracture mechanics.

Optional placement/study year

Optional professional placement and/or overseas study.

Year 3

Areas studied include automotive crash protection, vehicle and component design, composites, surface engineering, advanced processing, functional materials, substantial individual research project and Formula Student group project.

Year 4 (MEng only)

Areas studied include engine analysis, energy materials, advanced characterisation techniques, materials modelling, industrial case studies, and elasticity.

Graduate destinations

Aston Martin, Bentley, Bosch, Federal Mogul, Jaguar Land Rover, JCB, Nissan, Plastic Omnium.

**Diploma in Industrial/International Studies*



Biomaterials Engineering

MEng (Hons) DIS/DIntS*: 5 years full-time with placement year

UCAS code: J5BX

MEng (Hons): 4 years full-time

UCAS code: J5BW

BEng (Hons) DIS/DIntS*: 4 years full-time with placement year

UCAS code: J5BZ

BEng (Hons): 3 years full-time

UCAS code: J5BY

This interdisciplinary course offers students with a leaning towards bioscience and biotechnology a route into the important and growing area of materials that are bio-compatible and/or bio-derived and those that are designed for use in the biomedical sector.

See page 94 for more information.

**Diploma in Industrial/International Studies*

Materials with a Foundation Year

This course is primarily for candidates who have not studied the prerequisite subjects needed for first year entry, not met their entrance requirements due to adverse situations, are a mature student returning to education or a care leaver.

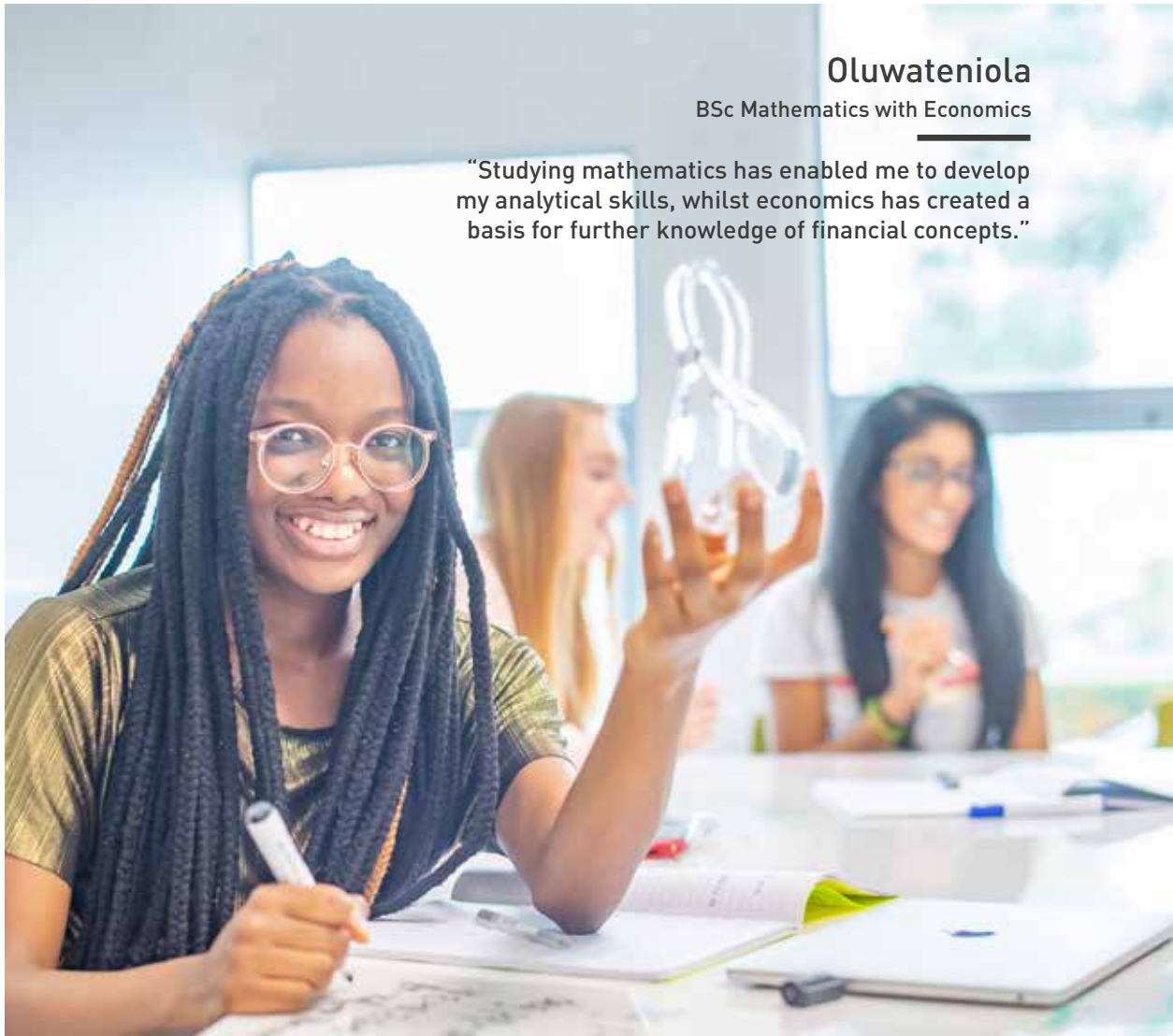
Successful completion of the foundation course allows you to progress onto the first year of the undergraduate degree course.

For further details see pages 150-153 or visit the Foundation Studies web pages for information on typical offers and course content.

lboro.ac.uk/ug2020/foundation



“Many of my lecturers have produced world-leading research in their fields. It is really inspiring that they are developing cutting-edge solutions to real-life issues and passing on their vast knowledge to students.”



Oluwateniola

BSc Mathematics with Economics

“Studying mathematics has enabled me to develop my analytical skills, whilst economics has created a basis for further knowledge of financial concepts.”

Courses

Mathematics	p170	You may also be interested in...	
Financial Mathematics	p170	Accounting and Financial Management	p104
Mathematics and Accounting and Financial Management	p171	Computer Science and Mathematics	p131
Mathematics and Sport Science	p171	Economics	p109
Mathematics with Statistics	p172	Finance and Management	p104
Mathematics with Economics	p172	Natural Sciences	p184
Mathematics with a Foundation Year	p173	Mathematics and Physics	p189

Several of our Mathematics courses (listed opposite) are accredited by one or more of the following:



Mathematical Sciences

Why choose Mathematical Sciences at Loughborough?

Our courses give students a solid grounding in the fundamentals of mathematics but allow for additional specialism in areas such as statistics or mathematical finance. Mathematics is an exciting subject which is not only fascinating to study but also underpins a great variety of endeavours such as science, commerce and industry.

Our courses are widely respected by employers and open many doors to employment and further study. They equip students with the numerical abilities, logical thinking and analytical skills that are highly valued within a diverse range of organisations.

Professional recognition

Our BSc and MMath Mathematics courses and our Mathematics with Statistics course are accredited by the Institute of Mathematics and its Applications. Our Mathematics and Accounting and Financial Management course is accredited by the Association of Chartered Certified Accountants and the Association of International Accountants.

Support with your learning

The award-winning Mathematics Learning Support Centre provides a wide variety of printed and online resources and a member of academic staff is available each day to provide one-to-one help.

Placement year and study abroad

Every course offers the option of a year-long professional placement. A year spent applying your learning in an industrial, commercial or research context gives you valuable work experience and may even introduce you to your future employer.

Alternatively, you can spend a year studying at an overseas university through a student exchange scheme, leading to the award of the Diploma in International Studies (DIntS). We currently have exchange agreements with universities in France, Germany, Italy, Denmark, Greece, Turkey, Australia, Singapore, Japan and the USA.

Employability

Potential careers include actuarial work, computing, financial work, management, engineering, scientific research, design and development, and statistical work, as well as teaching and lecturing.



THE GUARDIAN
UNIVERSITY GUIDE 2019
7TH IN UK FOR
MATHEMATICS



THE COMPLETE
UNIVERSITY GUIDE 2019
11TH IN UK FOR
MATHEMATICS



ALL ELIGIBLE COURSES
ACCREDITED BY
THE INSTITUTE OF
MATHEMATICS AND ITS
APPLICATIONS (IMA)



NSS 2018
93% OVERALL
SATISFACTION IN
MATHEMATICS AND
STATISTICS



DLHE 2017
AVERAGE STARTING
SALARY £25,710



Mathematics

MMath (Hons) DPS/DIntS*: 5 years full-time with placement year
UCAS code: G104

MMath (Hons): 4 years full-time
UCAS code: G103

BSc (Hons) DPS/DIntS*: 4 years full-time with placement year
UCAS code: G101

BSc (Hons): 3 years full-time
UCAS code: G100

Typical offers

A level: AAA including Maths or A*AB including A* in Maths
IB: 37 (6,6,6 HL) including HL Maths
BTEC Level 3 National Diploma: D*D plus A level Maths grade A



Studying Mathematics gives students the numerical abilities, logical thinking and analytical skills that are crucial to the success of diverse organisations within commerce, banking and finance, management and industry. Through innovative teaching we equip our students with these skills while also revealing the many facets of this rich and stimulating discipline.

The MMath and BSc courses in Mathematics are the same over years 1 and 2. The greater depth of the MMath course will help to prepare you for a career in research.

Year 1

Areas studied include mathematical methods, analysis, linear algebra, geometry, computing and numerical methods, probability and statistics, and mechanics.

Year 2

Areas studied include algebra, analysis, complex variables, mathematical methods, differential geometry and topology, probability, and calculus of variations.

Optional placement/study year

Optional professional placement and/or overseas study.

Year 3

Areas studied include a variety of options in pure and applied mathematics and statistics, and a mathematics report or project for BSc.

Year 4 (MMath only)

Areas studied include topics chosen from all areas of pure and applied mathematics, together with a compulsory mathematics project.

Graduate destinations

Recent graduates have gone on to take up roles at companies including EY, Lloyds Banking Group, Associated British Foods, PwC, British Gas, RGL Forensics, and Jaguar Land Rover.

**Diploma in Professional/International Studies*

Financial Mathematics

BSc (Hons) DPS/DIntS*: 4 years full-time with placement year
UCAS code: GNC3

BSc (Hons): 3 years full-time
UCAS code: GN13

Typical offers

A level: AAA including Maths or A*AB including A* in Maths
IB: 37 (6,6,6 HL) including HL Maths
BTEC Level 3 National Diploma: D*D plus A level Maths grade A



Mathematics plays a crucial role in the financial services industry. Our Financial Mathematics BSc (Hons) degree equips graduates with knowledge and understanding of both financial matters and the relevant mathematics. It provides thorough training in aspects of both financial matters and the relevant mathematics.

The course includes modules in probability theory, stochastic processes, statistical modelling, corporate finance, and asset pricing, equipping you with an understanding of methodologies and techniques that are essential for jobs in banking and finance.

No prior knowledge of economics or finance is necessary as the course provides a comprehensive introduction to macro and microeconomics and the principles of finance.

Year 1

Areas studied include mathematical methods, analysis, linear algebra, probability and statistics, and macro and microeconomics.

Year 2

Areas studied include probability theory, mathematical methods, analysis, statistical modelling, stochastic processes, finance, and macro and microeconomics.

Optional placement/study year

Optional professional placement and/or overseas study.

Final year

Areas studied include stochastic methods in finance, corporate finance and derivatives, and financial economics and asset pricing.

Graduate destinations

Recent graduates from the department are employed by Britvic, Deloitte, HSBC, BDO, Goldman Sachs, Buckley Construction, Retail Marketing Group, Deutsche Bank, Disney (Paris), EDF Energy, EY, Fiat Group Automobiles UK Ltd, Fujitsu, General Electric, IBM, Lloyds Banking Group, PwC, Roche, and Rolls-Royce.

**Diploma in Professional/International Studies*



Mathematics and Accounting and Financial Management

BSc (Hons) DPS/DIntS*: 4 years full-time with placement year
UCAS code: G1NK

BSc (Hons): 3 years full-time
UCAS code: G1N4

Typical offers

A level: AAA including Maths or A*AB including A* in Maths
IB: 37 (6,6,6 HL) including HL Maths
BTEC Level 3 National Diploma: D*D plus A level Maths grade A



This degree is equally divided between maths and accounting, providing the ideal platform for those who want to build a career in corporate finance. The aim of the course is to provide you with knowledgeable insights into mathematics, accounting and financial management in the context of real-world business and commerce.

You will combine training in the fundamentals of mathematics (such as mathematical methods, linear algebra, probability and statistics, and complex variables) with modules essential to your potential future career (financial accounting, law, markets, derivatives, macro and microeconomics). Accreditation has been obtained for this course from several of the professional institutes in accountancy.

Year 1

Areas studied include mathematical methods, linear algebra, probability and statistics, financial accounting and analysis, macro and microeconomics, and law.

Year 2

Areas studied include analysis, probability theory, mathematical methods, complex variables, management accounting, company law, and financial markets and derivatives.

Optional placement/study year

Optional professional placement and/or overseas study.

Final year

Areas studied include financial reporting and strategic management in accounting, plus a range of optional modules.

Graduate destinations

Recent graduates have gone on to take up roles at companies including Rolls-Royce, HSBC, Deloitte, Siemens, Toyota Financial Services, Victor Chandler International, Mattel UK Ltd, Ministry of Justice, Honda, and Sky.

**Diploma in Professional/International Studies*

Mathematics and Sport Science

BSc (Hons) DPS/DIntS*: 4 years full-time with placement year
UCAS code: GC16

BSc (Hons): 3 years full-time
UCAS code: CG61

Typical offers

A level: AAA including Maths or A*AB including A* in Maths
IB: 37 (6,6,6 HL) including HL Maths
BTEC Level 3 National Diploma: D*D plus A level Maths grade A



This degree aims to deepen your understanding and knowledge of mathematics, the human body, and how mathematics connects with physical applications.

On the course you will build a solid foundation in the essential areas of both mathematics and sports science. As you progress through the degree, you'll have the opportunity to tailor the course to suit your interest by selecting from a range of optional mathematics modules.

Mathematics and Sport Science is taught in collaboration with the internationally renowned School of Sport, Exercise and Health Sciences at Loughborough, which is currently ranked 1st in the world for sports-related studies in the prestigious QS World University Rankings.

Year 1

Areas studied include mathematical methods, linear algebra, probability and statistics, mechanics, sport and exercise psychology, structural kinesiology, and physiology.

Year 2

Areas studied include analysis, probability theory, mathematical methods, biomechanics, and physiology.

Optional placement/study year

Optional professional placement and/or overseas study.

Final year

Areas studied include compulsory modules in sport biomechanics, physiology, and psychology, and optional modules chosen from all areas of pure and applied mathematics.

Graduate destinations

Recent graduates have gone on to take up roles at companies including Vodafone, Macintyre Hudson, EY, Sky Betting & Gaming, Socatots, Reckitt Benckiser, Royal Caribbean International, Aviva.

**Diploma in Professional/International Studies*

Mathematics with Statistics

BSc (Hons) DPS/DIntS*: 4 years full-time with placement year

UCAS code: GG1H

BSc (Hons): 3 years full-time

UCAS code: GG13

Typical offers

A level: AAA including Maths or A*AB including A* in Maths

IB: 37 (6,6,6 HL) including HL Maths

BTEC Level 3 National Diploma: D*D plus A level Maths grade A



This course provides a thorough grounding in mathematics combined with a substantial statistics and probability component, giving you the tools required for wide-ranging applied work with data in our increasingly data-driven society.

The degree will equip you with the advanced mathematical ideas and computational techniques to succeed in this area. The course includes modern applications such as medical statistics, and a major final-year project which offers a connection to contemporary statistics research.

You will gain a solid grounding in the fundamentals of mathematics, which will be complemented by core modules designed to develop your skills as a statistician, as well as varied further topics chosen from all areas of pure and applied mathematics and statistics.

Year 1

Areas studied include mathematical methods, analysis, linear algebra, geometry, probability and statistics, computational and numerical methods, and mechanics.

Year 2

Areas studied include analysis, mathematical methods, complex variables, probability theory, applied statistics, and statistical modelling.

Optional placement/study year

Optional professional placement and/or overseas study.

Final year

Areas studied include medical statistics, stochastic methods in finance, further topics chosen from all areas of pure and applied mathematics, and a statistics project.

Graduate destinations

Recent graduate destinations have included GfK (global market research company), Securitas UK, and IBM.

**Diploma in Professional/International Studies*

Mathematics with Economics

BSc (Hons) DPS/DIntS*: 4 years full-time with placement year

UCAS code: G1LC

BSc (Hons): 3 years full-time

UCAS code: G1L1

Typical offers

A level: AAA including Maths or A*AB including A* in Maths

IB: 37 (6,6,6 HL) including HL Maths

BTEC Level 3 National Diploma: D*D plus A level Maths grade A



This course will give you the strong mathematical background necessary for a thorough understanding of modern economics. By combining the study of both subjects, you will be equipped with the tools to not only understand global challenges but to also provide solutions.

Mathematics with Economics is a great choice for those who want to build a career in commerce, industry or government. By giving you a solid grounding in mathematics together with an understanding of economics, this degree will prepare you for careers in such areas as finance, business forecasting and economic model building.

Year 1

Areas studied include mathematical methods, analysis, linear algebra, probability and statistics, and macro and microeconomics.

Year 2

Areas studied include probability theory, complex variables, mathematical methods, stochastic processes, statistical modelling, and optional modules including topics in pure and applied mathematics, macro and microeconomics, and econometrics.

Optional placement/study year

Optional professional placement and/or overseas study.

Final year

Areas studied include topics chosen from all areas of mathematics and economics.

Graduate destinations

Recent graduates have gone on to take up roles at companies including IBM, Holmes & Cook, Total Gas and Power, Yahoo Germany, Baker Tilly, and Investment Solutions.

**Diploma in Professional/International Studies*



Mathematics with a Foundation Year

This course is primarily for candidates who have not studied the prerequisite subjects needed for first year entry, not met their entrance requirements due to adverse situations, are a mature student returning to education or a care leaver.

Successful completion of the foundation course allows you to progress onto the first year of the undergraduate degree course.

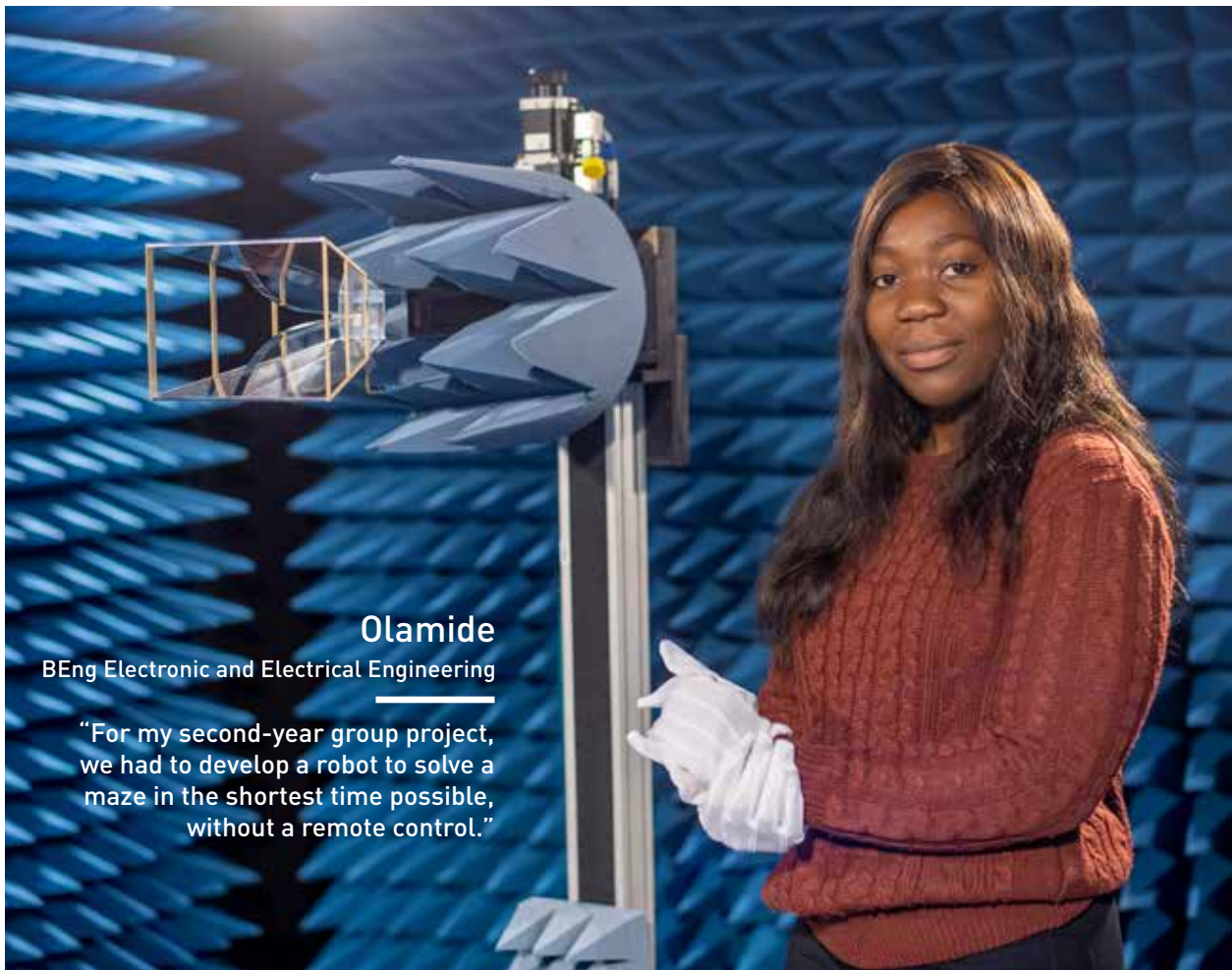
For further details see pages 150-153 or visit the Foundation Studies web pages for information on typical offers and course content.

lboro.ac.uk/ug2020/foundation



“I decided to study my course because of the Mathematics Learning Support Centre here. It is an absolutely wonderful facility, where help is on hand throughout the day.”





Olamide

BEng Electronic and Electrical Engineering

“For my second-year group project, we had to develop a robot to solve a maze in the shortest time possible, without a remote control.”

Courses

Electronic and Computer Systems Engineering	p176	Electronic and Electrical Engineering with a Foundation Year	p181
Electronic and Electrical Engineering	p176	Engineering Management with a Foundation Year	p181
Engineering Management	p177	Manufacturing Engineering with a Foundation Year	p181
Manufacturing Engineering	p177	Mechanical Engineering with a Foundation Year	p181
Mechanical Engineering	p179	Product Design Engineering with a Foundation Year	p181
Product Design Engineering	p179		
Robotics, Mechatronics and Control Engineering	p180	You may also be interested in...	
Sports Technology	p180	Product Design and Technology	p140
		Industrial Design and Technology	p140
		Computer Science	p130

Our courses are accredited by:



Mechanical, Electrical and Manufacturing Engineering

Why choose Mechanical, Electrical and Manufacturing Engineering at Loughborough?

Our engineering courses are essential to all industrial sectors in the UK and around the world. Emphasis is placed on including direct involvement of engineers from industry incorporating the latest technologies and ideas to ensure that our courses are always industrially relevant and up-to-date. This links deeply into the opportunity for training placements during every course, allowing all students to maximise their educational and professional experiences.

Professional recognition

All courses are fully accredited by one or more of the following UK Engineering Council licensed awarding bodies: Institution of Engineering Designers (IED), Institution of Engineering and Technology (IET), and the Institution of Mechanical Engineers (IMechE). This provides all students with the opportunity to define a professional career route after graduation.

Placement year and study abroad

We send 15% more students on engineering placements than any other UK university (HESA, 2016/17: Engineering & Technology). The School is notified of vacancies and opportunities throughout the academic year, providing help and support in gaining a suitable placement.

All students on the MEng courses can study abroad in their third or final academic year. If suitable for international study, this will lead to the award of a Diploma in International Studies (DIIntS).

Facilities

There are laboratories for disciplines such as additive manufacturing, communications, control, design, electronics, IC engines, manufacturing technologies, materials, mechatronics, metrology, optical engineering, programming, robotics, structural integrity, tribology, and many others.

Our CNC machine tool facilities, electronics workshops, and manufacturing facilities are managed by skilled technical staff who will work closely with you to develop ideas and support project work.

Scholarships

We are a member of the IET's Power Academy and the UK Electronics Skills Foundation, both engineering related scholarship funds supporting undergraduate students in electrical, electronic and power engineering.



THE GUARDIAN
UNIVERSITY GUIDE 2019
TOP 5 IN UK FOR
MECHANICAL
ENGINEERING



THE COMPLETE
UNIVERSITY GUIDE 2019
TOP 10 IN UK FOR
MANUFACTURING
ENGINEERING



THE TIMES GOOD
UNIVERSITY GUIDE 2019
TOP 10 IN UK
FOR ELECTRICAL
AND ELECTRONIC
ENGINEERING



DLHE 2017
£27,000 AVERAGE
STARTING SALARY



Electronic and Computer Systems Engineering

MEng (Hons) DIS/DInts*: 5 years full-time with placement year
UCAS code: H612

MEng (Hons): 4 years full-time
UCAS code: H613

BEng (Hons) DIS/DInts*: 4 years full-time with placement year
UCAS code: H614

BEng (Hons): 3 years full-time
UCAS code: H611

Typical offers

A level: AAA (MEng)/ABB (BEng) including Maths and either Computing, Computer Science, Electronics, Engineering, Further Maths or Physics

IB: (MEng) 37 (6,6,6 HL)/(BEng) 34 (6,5,5 HL) including HL Maths and either Computer Science or Physics at HL

BTEC Level 3 National Extended Diploma: D*D*D* (MEng)/D*DD (BEng) plus A level Maths grade A (MEng)/B (BEng)

Electronic and Electrical Engineering

MEng (Hons) DIS/DInts*: 5 years full-time with placement year
UCAS code: H605

MEng (Hons): 4 years full-time
UCAS code: H601

BEng (Hons) DIS/DInts*: 4 years full-time with placement year
UCAS code: H604

BEng (Hons): 3 years full-time
UCAS code: H600

Typical offers

A level: AAA (MEng)/ABB (BEng) including Maths and either Computing, Computer Science, Electronics, Engineering, Further Maths or Physics

IB: (MEng) 37 (6,6,6 HL)/(BEng) 34 (6,5,5 HL) including HL Maths and either Computer Science or Physics at HL

BTEC Level 3 National Extended Diploma: D*D*D* (MEng)/D*DD (BEng) plus A level Maths grade A (MEng)/B (BEng)



Electronic and Computing Systems Engineers define the hardware, firmware and software that enable (and are implemented within) embedded computer systems.

Our IET accredited courses will provide you with the digital electronic, microprocessor and software knowledge, tools and experience to design and implement embedded computer systems in a range of applications, products, environments and industries.

Year 1/2

Areas studied include computer architecture, digital systems, embedded systems programming, electronics, circuits, programming, project management, industrial project, electrical science, and mathematics.

Optional placement/study year

Optional professional placement and/or overseas study.

Year 3/4 and final year

Areas studied include management theory, digital interfacing and instrumentation, electronic systems design with FPGAs, embedded systems design and implementation, finance, law and quality, group project (MEng only) and an individual project, plus other optional modules.

Graduate destinations

ARM, BAE Systems, Hitachi Data Systems, IBM, Jaguar Land Rover, Quanta Fluid Systems, Rolls-Royce, Telesoft Technologies.

**Diploma in Industrial/International Studies*



Electronic and Electrical Engineering is integral to (and embedded in) the smooth functioning of our everyday lives. From mobile phones and computing through to household gadgets, healthcare equipment, automotive and aerospace technology, renewables, transport infrastructure, defence and utility provision.

Our long-established IET accredited courses are very well regarded by employers. They provide a thorough grounding in the subjects required to invent, design, apply and integrate electrical and electronic components and systems in a range of different industrial sectors.

Year 1/2

Areas studied include communications, control system design, digital systems, electrical science, electronics, circuits, project management, programming, industrial project, and mathematics.

Optional placement/study year

Optional professional placement and/or overseas study.

Year 3/4 and final year

Areas studied include applying management theory, finance, digital signal processing, electronic system design, solar power, law and quality, group project (MEng only) and an individual project, plus other optional modules.

Graduate destinations

Apple, ARM, BAE Systems, BT, E.ON, Ericsson, Goodrich, National Instruments, Network Rail, npower, QinetiQ, Selex, Siemens, Rolls-Royce, and Toyota.

**Diploma in Industrial/International Studies*



Engineering Management

BEng (Hons) DIS/DPS/DInts*: 4 years full-time with placement year

UCAS code: N291

BEng (Hons): 3 years full-time

UCAS code: N290

Typical offers

A level: ABB including either Maths or Physics

IB: 34 (6,5,5 HL) including Maths or Physics at HL

BTEC Level 3 National Extended Diploma: D*DD plus A level Maths grade B



Engineering Management is concerned with the management of engineering within a business context. The problem solving of engineering is blended with planning, management and organisational elements of companies, taking projects from idea to delivery.

Our IMechE and IET accredited courses provide graduates with an understanding of basic engineering sciences and manufacturing processes. Students are equipped with a solid foundation of engineering and technology vocabulary and understanding.

Year 1/2

Areas studied include electronics and electrical technology, engineering and management modelling, engineering science, manufacturing management, manufacturing, materials, mathematics and statistics, marketing, planning and control, and operations management.

Optional placement/study year

Optional professional placement and/or overseas study.

Final year

Areas studied include engineering management, an individual project, lean operations, organisation structure and strategy, product innovation management, project management, sustainable manufacturing, and product design, plus other optional modules.

Graduate destinations

Hazlewoods LLP, Hikma Pharmaceuticals, Jaguar Land Rover, Jasmin Design, JP Morgan, Krontec Design, PwC, SEB Financial Group, Tamer Group, Technical Trading Co. Ltd, Turner & Townsend, Virgin Media, and Yusen Logistic.

**Diploma in Industrial/Professional/International Studies*

Manufacturing Engineering

MEng (Hons) DIS/DPS/DInts*: 5 years full-time with placement year

UCAS code: H707

MEng (Hons): 4 years full-time

UCAS code: H701

BEng (Hons) DIS/DPS/DIntS*: 4 years full-time with placement year

UCAS code: HH1T

BEng (Hons): 3 years full-time

UCAS code: H710

Typical offers

A level: AAA (MEng)/ABB (BEng) including Maths and either Design and Technology, Engineering or Physics

IB: (MEng) 37 (6,6,6 HL)/(BEng) 34 (6,5,5 HL) including HL

Maths and either Design Technology or Physics at HL

BTEC Level 3 National Extended Diploma: D*D*D*

(MEng)/D*DD (BEng) plus A level Maths grade A

(MEng)/B (BEng)



Manufacturing Engineering is the discipline of turning raw materials into new products, and the research and development of new manufacturing processes, machines, tools and equipment.

These courses allow you to gain a detailed knowledge of manufacturing technologies and processes, combined with technology management, business organisation and human resource management skills.

Year 1/2

Areas studied include electronics and electrical technology, engineering computing, management and engineering sciences, machine design, mathematics and statistics, manufacturing design, manufacturing technology, manufacturing processes, materials and planning and control.

Optional placement/study year

Optional professional placement and/or overseas study.

Year 3/4 and final year

Areas studied include additive manufacture, advanced manufacturing processes, group project (MEng only), individual project, lean operations, project management and sustainable manufacturing, plus other optional modules.

Graduate destinations

3M, Ford, Jaguar Land Rover, Mondelez International, Procter & Gamble, Rolls-Royce, and Triumph.

**Diploma in Industrial/Professional/International Studies*

“My personal tutor meets me on a weekly basis to check up on my mental and academic wellbeing.”



Mechanical Engineering

MEng (Hons) DIS/DPS/DIntS*: 5 years full-time with placement year
UCAS code: H302

MEng (Hons): 4 years full-time
UCAS code: H303

BEng (Hons) DIS/DPS/DIntS*: 4 years full-time with placement year
UCAS code: H301

BEng (Hons): 3 years full-time
UCAS code: H300

Typical offers

A level: A*AA (MEng) including Maths and Physics with grade A* in either subject/AAB (BEng) including Maths and Physics

IB: (MEng) 38 (7,6,6 HL)/(BEng) 35 (6,6,5 HL) including Maths and Physics at HL

BTEC Level 3 National Extended Diploma: D*D*D* (MEng)/D*DD (BEng) plus A level Maths grade A* (MEng)/A (BEng)



Mechanical Engineering applies the principles of physics to the analysis, design and understanding of mechanical systems.

These courses cover an extensive range of disciplines from dynamics and control, to stress analysis heat transfer and thermodynamics. A diverse array of engineering science-based subjects is experienced, providing technical expertise and integration of skill sets.

Year 1/2

Areas studied include control engineering, design, dynamics, electronic systems and electrical power, engineering computation, fluid mechanics, heat transfer, an industry-based project, materials and manufacturing processes, mathematics, mechanics, statics, and thermodynamics.

Optional placement/study year

Optional professional placement and/or overseas study.

Year 3/4 and final year

Areas studied include CAD, computer control and instrumentation, engineering and design management, CFD, FEA, IC engines, robotics and control, turbomachinery, an individual project, and a group project (MEng only), plus other optional modules.

Graduate destinations

BAE Systems, Barclays, BMW, British Sugar, Caterpillar, Cummins, GSK, McLaren Automotive, Nestlé, Pirelli, Renishaw, Rolls-Royce, Royal Navy, Triumph, and Unilever.

**Diploma in Industrial/Professional/International Studies*

Product Design Engineering

MEng (Hons) DIS/DPS/DIntS*: 5 years full-time with placement year
UCAS code: HHD7

MEng (Hons): 4 years full-time
UCAS code: HHC7

BEng (Hons) DIS/DPS/DIntS*: 4 years full-time with placement year
UCAS code: H715

BEng (Hons): 3 years full-time
UCAS code: HH1R

Typical offers

A level: AAA (MEng)/ABB (BEng) including Maths and either Design and Technology, Engineering or Physics
IB: (MEng) 37 (6,6,6 HL)/(BEng) 34 (6,5,5 HL) including HL Maths and either Design Technology or Physics at HL
BTEC Level 3 National Extended Diploma: D*D*D* (MEng)/D*DD (BEng) plus A level Maths grade A (MEng)/B (BEng)



Product Design Engineering blends design principles, ergonomics, engineering science and technology to create new products. This is integrated with manufacturing processes, technology and knowledge to turn designs into reality.

These courses bring together product design skills with an in-depth knowledge of manufacturing processes and technologies. Our graduates are ideally placed to conceive and develop innovative designs and turn them into profitable products.

Year 1/2

Areas studied include application of product design, electronics and electrical technology, engineering product design, engineering sciences, industrial design, machine design, mathematics and statistics, manufacturing design, manufacturing processes, materials, and software engineering.

Optional placement/study year

Optional professional placement and/or overseas study.

Year 3/4 and final year

Areas studied include engineering management, enterprise technology, individual project, group project (MEng only), product design, project management, and sustainable manufacturing, plus other optional modules.

Graduate destinations

Bosch, Coca-Cola Enterprises, Cooper Industries, Dyson, Jaguar Land Rover, Rolls-Royce, Schlumberger Russia, Semcon, Siemens, and Triumph.

**Diploma in Industrial/Professional/International Studies*

Robotics, Mechatronics and Control Engineering

MEng (Hons) DIS/DPS/DInts*: 5 years full-time with placement year
UCAS code: H674

MEng (Hons): 4 years full-time
UCAS code: H673

BEng (Hons) DIS/DPS/DInts*: 4 years full-time with placement year
UCAS code: H672

BEng (Hons): 3 years full-time
UCAS code: H671

Typical offers

A level: AAA (MEng)/ABB (BEng) including Maths and either Computing, Computer Science, Electronics, Engineering, Further Maths or Physics
IB: (MEng) 37 (6,6,6 HL)/(BEng) 34 (6,5,5 HL) including HL Maths and either Computer Science or Physics at HL
BTEC Level 3 National Extended Diploma: D*D*D* (MEng)/D*DD (BEng) plus A level Maths grade A (MEng)/B (BEng)



Autonomous and robotic systems are ever growing around us. These courses will enable students to understand the fundamental processes and techniques in autonomous systems, blending subject matter that includes electronics, control, manufacturing principles, and mechanics. Our IET accredited courses combine theoretical and practical engineering principles with application to real industrial problems.

Year 1/2

Areas studied include control system design, digital systems, electrical science, electronics, circuits, project management, programming, industrial project, mechanical engineering, mathematics, and vehicle design.

Optional placement/study year

Optional professional placement and/or overseas study.

Year 3/4 and final year

Areas studied include management theory, interfacing and instrumentation, digital and state space control, finance, law and quality, group project (MEng only), individual project, manufacturing automation and control, sensors and actuators, applications theory, and modelling for control engineering, plus other optional modules.

Graduate destinations

This was a new course for 2018 and has no graduates yet. It equips students with the skills to work anywhere in the robotics and automation world, from robotic systems on production lines to autonomous vehicles and domestic service robots.

**Diploma in Industrial/Professional/International Studies*

Sports Technology

BEng (Hons) DIS/DPS/DInts*: 4 years full-time with placement year
UCAS code: HC76

BEng (Hons): 3 years full-time
UCAS code: CH67

Typical offers

A level: ABB or AAC
IB: 34 (6,5,5 HL) with 5 at SL Maths
BTEC Level 3 National Extended Diploma: D*DD in an Engineering subject
GCSE: GCSE grade A/7 or AS level grade C in Maths



Sports Technology focuses upon the design and manufacture of sports equipment, covering industrial design, human factors and marketing for the sports equipment sector.

The courses are intended for students wishing to pursue a career in sports-related industries. They are broad-based and cover sports science, design, technology, and engineering science.

Year 1/2

Areas studied include application of sport product design, applied sports technology, electronic and electrical technology, engineering computation, goods design, manufacture and testing, manufacturing and materials, marketing, mathematics, measurement principles, mechanical design in sport, product design, sports goods design, statistics, and structural kinesiology.

Optional placement/study year

Optional professional placement and/or overseas study.

Final year

Areas studied include engineering management, an individual project, sports equipment industry, healthcare engineering, mechanics of sports techniques, project management, footwear and garments, science and elite performance in sports, plus other optional modules.

Graduate destinations

Adidas, Decathlon, Hawk-Eye Innovations, International Tennis Federation, Jaguar Land Rover, Lacoste, New Balance, and Ping.

**Diploma in Industrial/Professional/International Studies*



Electronic and Electrical Engineering with a Foundation Year

Engineering Management with a Foundation Year

Manufacturing Engineering with a Foundation Year

Mechanical Engineering with a Foundation Year

Product Design Engineering with a Foundation Year

These courses are primarily for candidates who have not studied the prerequisite subjects needed for first year entry, not met their entrance requirements due to adverse situations, are a mature student returning to education or a care leaver.

Successful completion of the foundation courses allows you to progress onto the first year of an undergraduate degree course.

For further details see pages 150-153 or visit the Foundation Studies web pages for information on typical offers and course content.

lboro.ac.uk/ug2020/foundation

“I love the way that everyone works together, it is genuinely like being part of a huge family. We’re all so close and help each other with absolutely anything.”



Aoife

BSc Natural Sciences

“I like the variety of being able to study several subjects at once, it makes each day exciting.”



Courses

Natural Sciences

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You may also be interested in...

Natural Sciences with a Foundation Year

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Biological Sciences

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Biochemistry

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Natural Sciences

Why choose Natural Sciences at Loughborough?

Designed to give students the flexibility to tailor their studies to their passions and aspirations, Natural Sciences draws on the University's expertise in bioscience, chemistry, geography, materials, mathematics and physics to deliver a broad-based, combined honours degree consisting of pathways from a range of life and physical sciences, as well as opportunities for interdisciplinary study.

Today Loughborough University is one of the UK's leading centres of excellence for teaching and research in Science, Technology, Engineering and Mathematics (STEM) – with a proven track record in supplying industry with high-calibre, highly motivated graduates. The breadth of our expertise enables us to offer this exciting Natural Sciences course with multiple pathways.

Facilities

Students will have access to a range of world-class facilities including the University's £17 million STEMLab, boasting state-of-the-art facilities across engineering and the sciences, plus outstanding facilities for IT, CAD, materials selection and process simulation applications, a campus observatory, and the latest technology and lab facilities for geographical research.

Professional recognition

We are involved in the development of the Natural Science Society and are aiming to align our courses with accreditation when that is possible.



HIGHLY-RATED
ACROSS THE RANGE
OF DISCIPLINES IN
NATURAL SCIENCES



THE GUARDIAN
UNIVERSITY GUIDE 2019
TOP 10 IN UK FOR
MATERIALS, CHEMISTRY,
MATHEMATICS AND
GEOGRAPHY



£17M STEMLAB
TEACHING FACILITIES



Natural Sciences

MSci (Hons) DIS/DPS/DIntS*: 5 years full-time with placement year

UCAS code: FCG0

MSci (Hons): 4 years full-time

UCAS code: CGF0

BSc (Hons) DIS/DPS/DIntS*: 4 years full-time with placement year

UCAS code: CFG0

BSc (Hons): 3 years full-time

UCAS code: GFC0

Typical offers

A level: AAA (MSci)/AAB (BSc) including two or three Sciences (dependent on chosen pathway, see online prospectus)

IB: (MSci) 37 (6,6,6 at HL)/(BSc) 35 (6,6,5 at HL) including two or three Sciences at HL (dependent on chosen pathway, see online prospectus)

BTEC Level 3 National Extended Certificate: D plus AA (MSci)/AB (BSc) from two Sciences (dependent on chosen pathway, see online prospectus)

GCSE: GCSE Maths grade C/4

Natural Sciences with a Foundation Year

This course is primarily for candidates who have not studied the prerequisite subjects needed for first year entry, not met their entrance requirements due to adverse situations, are a mature student returning to education or a care leaver.

Successful completion of the foundation course allows you to progress onto the first year of the undergraduate degree course.

For further details see pages 150-153 or visit the Foundation Studies web pages for information on typical offers and course content.

lboro.ac.uk/ug2020/foundation



This course offers flexibility to study a combination of physical sciences including Chemistry, Bioscience, Mathematics, Geography, Physics and Materials.

Year 1

Areas studied may include fundamentals of chemistry and physics, mathematical methods, biochemistry, genetics and molecular biology, environmental hazards, and materials processing.

Year 2

Areas studied may include key aspects of interdisciplinary science, chemical spectroscopy, cellular signalling, vector calculus, quantum mechanics and biomaterials, dependent on the pathways chosen in year 1.

Optional placement/study year

Optional professional placement and/or overseas study.

Year 3

Areas studied may include pharmacokinetics and drug metabolism, virology and oncology, quantum physics, climate and society, nanomaterials and surface engineering, dependent on pathways chosen in year 2.

Year 4 (MSci only)

A major research project and advanced level training in your chosen subject.

Graduate destinations

Graduates will have knowledge and skills that are suited to career areas including scientific/medical research and analysis, environmental consultancy or finance and management.

**Diploma in Industrial/Professional/International Studies*





“Natural Sciences opens up many pathways due to its flexibility and its combination of different disciplines.”





Haaris

BSc Physics

“Physics for me is the closest thing we can get to real life magic.”

Courses

Physics
Engineering Physics
Mathematics and Physics
Physics with Theoretical Physics
Physics with a Foundation Year

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You may also be interested in...

Chemical Engineering
Electronic and Electrical Engineering
Materials Science and Engineering
Mathematics
Mechanical Engineering
Natural Sciences
Robotics, Mechatronics and Control Engineering

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Physics

Why choose Physics at Loughborough?

From the description of everyday and exotic natural phenomena to generating almost all of today's technologies, physics has had the most transformative effect of any discipline.

A physics degree provides the necessary foundation to understand the world around us – from fundamental particles and the behaviour of black holes to the workings of the smartphone in your pocket.

At Loughborough you will join a community of physicists who are deeply involved in both fundamental research and in shaping the next generation of technologies that will transform the world around us. We are passionate about instilling within our students the physical insight and confidence to shape tomorrow's world. Our courses represent an innovative, modern and exciting way to study physics at a higher level. They offer a common core and opportunities to specialise in theoretical physics, mathematical physics or a number of specialised engineering streams.

Facilities

The University's £17 million investment in STEMLab enables us to provide state-of-the-art laboratory facilities. This includes an optics laboratory and physical sciences lab, as well as facilities like 3D printing and laser cutting that allow you to design and build your own instrumentation and apparatus, and create experiments that probe the fundamental nature of the physical world.

A further £4 million has been invested in refurbished laboratory spaces for physics students, ensuring they have a high-quality learning experience. In addition to our well-equipped laboratories, Loughborough also has

its own campus observatory with 16-inch GPS equatorial mounted Meade optical telescope, 8-inch GPS mobile optical telescope, Coronado solar telescope, and an Elliot Instruments spectrometer.

Placement year and study abroad

We have a strong tradition of working with industry and strive to equip our students with transferable skills like problem-solving, communication, team-working, and project work, making them highly employable graduates.

Students can incorporate a year on industry placement into all our physics courses. There is also the option to study abroad, broadening your horizons and growing a network of international contacts at one of our partner universities overseas.

Employability

Our degrees are designed to equip you with the skills most in-demand by employers, as listed in The Future of Jobs Survey 2018 (World Economic Forum) that looks forward to 2022. These are: analytical thinking and innovation; complex problem-solving; critical thinking and analysis; active learning and learning strategies; creativity, originality and initiative; attention to detail, trustworthiness; emotional intelligence; reasoning, problem-solving and ideation; leadership and social influence; co-ordination and time management; technology design and programming; systems analysis and evaluation.

From the development of core physics skills, substantial individual and group projects, Personal Best (see pages 36-37), and innovative approach to laboratory physics our courses will allow students to develop and demonstrate competencies in each of these areas.



NSS 2018
TOP 10 IN UK FOR
LEARNING COMMUNITY
IN PHYSICS



NSS 2018
91% OVERALL STUDENT
SATISFACTION IN
PHYSICS



£17M STEMLAB
TEACHING FACILITIES



DLHE 2017
AVERAGE STARTING
SALARY £26,239

Physics

MPhys (Hons) DIS/DIntS*: 5 years full-time with placement year

UCAS code: F304

MPhys (Hons): 4 years full-time

UCAS code: F303

BSc (Hons) DIS/DIntS*: 4 years full-time with placement year

UCAS code: F301

BSc (Hons): 3 years full-time

UCAS code: F300

Typical offers

A level: AAB (MPhys)/ABB (BSc) including Maths and Physics (General Studies accepted). Applicants without A level Physics may be considered on a case-by-case basis

IB: (MPhys) 35 (6,6,5 HL)/(BSc) 34 (6,5,5 HL) including Maths and Physics at HL

BTEC Level 3 National Extended Diploma: DDD in a relevant subject plus A level Maths grade B



Our Physics degree offers maximum flexibility to study optional modules from across our suite of physics courses. It is designed to support deeper learning, coordinated on a weekly basis between core physics, essential mathematics, computing and laboratories.

Year 1

Indicative areas studied include symmetry, conservation laws, least action, computational physics, physics laboratories, electromagnetism, relativity, and supporting mathematics.

Year 2

Indicative areas studied include quantum physics, condensed matter, statistical physics, and the physics of materials.

Optional placement/study year

Optional industrial placement and/or overseas study.

Year 3

Indicative areas studied include advanced physics modules (informed by departmental research), a group project and a physics project (BSc only).

Year 4 (MPhys only)

Indicative areas studied include advanced physics modules (informed by departmental research) and a substantial physics research project.

Graduate destinations

Recent employers of our Physics graduates include: British Gas Research, Coopers Lybrand Deloitte, Thames Water plc, British Antarctic Survey, Schlumberger Technologies, Plastic Coatings plc, STC Submarine Systems, Siemens AG.

**Diploma in Industrial/International Studies*

Engineering Physics

MPhys (Hons) DIS/DIntS*: 5 years full-time with placement year

UCAS code: F313

MPhys (Hons): 4 years full-time

UCAS code: F312

BSc (Hons) DIS/DIntS*: 4 years full-time with placement year

UCAS code: F382

BSc (Hons): 3 years full-time

UCAS code: F311

Typical offers

A level: AAB (MPhys)/ABB (BSc) including Maths and Physics (General Studies accepted). Applicants without A level Physics may be considered on a case-by-case basis

IB: (MPhys) 35 (6,6,5 HL)/(BSc) 34 (6,5,5 HL) including Maths and Physics at HL

BTEC Level 3 National Extended Diploma: DDD in a relevant subject plus A level Maths grade B



This degree builds on the core of the Physics course with streamed engineering content (selected at the end of Year 1) to ensure a coherent strong development in your chosen engineering specialisation, with a flavour easily recognisable to employers. Planned streams are: materials engineering, electrical engineering, and mechanical and manufacturing engineering.

Year 1

Indicative areas studied include symmetry, conservation laws, least action, computational physics, physics laboratories, electromagnetism, relativity, and supporting mathematics.

Year 2

Indicative areas studied include quantum physics, condensed matter, statistical physics, the physics of materials, and engineering.

Optional placement/study year

Optional industrial placement and/or overseas study.

Year 3

Indicative areas studied include advanced physics and engineering modules (informed by departmental research – MPhys only), a group project or an engineering physics project (BSc only).

Year 4 (MPhys only)

Indicative areas studied include advanced physics and engineering modules (informed by departmental research) and a substantial research project in engineering physics.

Graduate destinations

Recent employers of our Physics graduates include: dstl, EDF and Maclaren.

**Diploma in Industrial/International Studies*



Mathematics and Physics

MPhys (Hons) DIS/DIntS*: 5 years full-time with placement year

UCAS code: F345

MPhys (Hons): 4 years full-time

UCAS code: F344

BSc (Hons) DIS/DIntS*: 4 years full-time with placement year

UCAS code: F340

BSc (Hons): 3 years full-time

UCAS code: F341

Typical offers

A level: AAB (MPhys)/ABB (BSc) including Maths and Physics (General Studies accepted). Applicants without A level Physics may be considered on a case-by-case basis

IB: (MPhys) 35 (6,6,5 HL)/(BSc) 34 (6,5,5 HL) including Maths and Physics at HL

BTEC Level 3 National Extended Diploma: DDD in a relevant subject plus A level Maths grade B



This course is ideal for those looking to combine the logic and proof of mathematics with the study of physics to gain a deep understanding of physical phenomena and their underpinning mathematical foundations.

Year 1

Indicative areas studied include symmetry, conservation laws, least action, computational physics, physics laboratories, electromagnetism, relativity, supporting mathematics, plus pure mathematics modules that encourage mathematical thinking.

Year 2

Indicative areas studied include quantum physics, condensed matter, statistical physics, and the physics of materials, plus additional pure mathematics modules chosen specifically for content that provides insight into mathematical thinking.

Optional placement/study year

Optional industrial placement and/or overseas study.

Year 3

Indicative areas studied include advanced physics and mathematics modules (informed by departmental research – MPhys only), a group project or a mathematical physics project (BSc only).

Year 4 (MPhys only)

Indicative areas studied include advanced physics and pure mathematics modules (informed by departmental research) and a substantial research project in mathematical physics.

Graduate destinations

Recent graduates have gone on to take up roles at companies including BAE Systems, Business Growth Fund, Deutsche bank, E.ON, Hawk Eye, Intelligent Energy, Inventive Finance, NHS, QinetiQ.

**Diploma in Industrial/International Studies*

Physics with Theoretical Physics

MPhys (Hons) DIS/DIntS*: 5 years full-time with placement year

UCAS code: F347

MPhys (Hons): 4 years full-time

UCAS code: F348

BSc (Hons) DIS/DIntS*: 4 years full-time with placement year

UCAS code: F342

BSc (Hons): 3 years full-time

UCAS code: F346

Typical offers

A level: AAB (MPhys)/ABB (BSc) including Maths and Physics (General Studies accepted). Applicants without A level Physics may be considered on a case-by-case basis

IB: (MPhys) 35 (6,6,5 HL)/(BSc) 34 (6,5,5 HL) including Maths and Physics at HL

BTEC Level 3 National Extended Diploma: DDD in a relevant subject plus A level Maths grade B



This degree provides the opportunity to develop the skills of a theoretical physicist and the physics thinking that has the potential to alter the way you look at the world around you. It will provide a solid understanding of core physics with an emphasis on theory, and on the formulation and solving of physics problems using mathematics and computing.

Year 1

Indicative areas studied include symmetry, conservation laws, least action, computational physics, physics laboratories, electromagnetism, relativity, and supporting mathematics.

Year 2

Indicative areas studied include quantum physics, condensed matter, statistical physics, the physics of materials, plus additional applied mathematics content.

Optional placement/study year

Optional industrial placement and/or overseas study.

Year 3

Indicative areas studied include advanced physics modules (informed by departmental research – MPhys only), a group project, applied mathematics or a theoretical physics project (BSc only).

Final year (MPhys only)

Indicative areas studied include advanced physics and applied mathematics modules (informed by departmental research) and a substantial research project in theoretical physics.

Graduate destinations

Recent employers of our Physics graduates include: Capita, Deutsche Bank, Rolls Royce, L'Oreal, Home Office.

**Diploma in Industrial/International Studies*

Physics with a Foundation Year

This course is primarily for candidates who have not studied the prerequisite subjects needed for first year entry, not met their entrance requirements due to adverse situations, are a mature student returning to education or a care leaver.

Successful completion of the foundation course allows you to progress onto the first year of the undergraduate degree course.

For further details see pages 150-153 or visit the Foundation Studies web pages for information on typical offers and course content.

lboro.ac.uk/ug2020/foundation





“Quantum Physics is incredibly interesting. Although it can be challenging, it’s still one of my favourite modules.”

Hyeinn

BA Politics and International Relations

“I am gaining a holistic knowledge of Politics and International Relations whilst being able to choose interesting areas to dig deeper into.”



Courses

International Relations
Politics

Politics and International Relations
Politics, Philosophy and Economics
Politics with Economics

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You may also be interested in...

Media and Communication
History and International Relations
History and Politics

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Politics and International Studies

Why choose Politics and International Studies at Loughborough?

Politics and International Studies is a lively and supportive community in which you will be challenged to review and question not just your knowledge, but how you acquire knowledge.

We are 5th in the UK for Politics (The Guardian University Guide 2019) and offer a selection of exciting degree courses which provide students with an up-to-the-minute grasp of emerging political developments on the world stage, confront some of the most fundamental political and historical questions which have shaped the modern world, and provide transferable skills that will help you secure a job after your degree.

Placement year and study abroad

We encourage and support students who wish to undertake a year-long work placement during their degree. You will also have an opportunity to spend your third year (or a single semester of your degree) abroad by securing paid work teaching English to school children or studying at a European university. You can study abroad in a European language, but it is also possible to go to an English-speaking university either in Europe or elsewhere, for example in the USA or Australia.

Learn a new language

There are lots of optional modules, which allows you to tailor the course to suit your interests. There's also the option to learn a new language, including French, German, Spanish and Mandarin Chinese, to suit all levels of ability.

Employability

Our graduates undertake a wide variety of careers in the private and public sectors, at home and abroad, in marketing, management, financial services, advertising, the armed forces, journalism, publishing, teaching and politics.

Facilities

Facilities include newly refurbished common rooms, study spaces and a purpose-built computer lab, which serves as a self-teaching laboratory for language students and provides open-access computers for everyone.

Varied learning experience

Our students can expect to be set a wide variety of assessment types that could include designing a museum piece, writing a political blog or speech to role play simulation exercises. There is also a strong emphasis on student-led seminars that allow students to develop their organisational and presentation skills.

Expert teaching

Academics in this study area play an active role in helping shape the academic and practical world with their research and expertise. This includes engagement in policy on militarisation, immigration, populism to work with the Department for Education, the British Library and the Institute for Education.



THE GUARDIAN
UNIVERSITY GUIDE 2019
5TH IN UK
FOR POLITICS



DLHE 2017
96% OF RECENT
GRADUATES IN WORK
OR STUDY



DLHE 2017
AVERAGE STARTING
SALARY £24,859



International Relations

BA (Hons) DPS/DIntS*: 4 years full-time with placement year
UCAS code: L251

BA (Hons): 3 years full-time
UCAS code: L250

Typical offers

A level: ABB (General Studies accepted)

IB: 34 (6,5,5 HL)

BTEC Level 3 National Extended Diploma: DDM



This course will equip you with the knowledge to understand the responses to international political, economic and social challenges since the Second World War.

You'll study politics in regional and global contexts, examine challenges to foreign policy decision making, and consider problems of security, conflict, international development and international politics of dynamic regions, including the 'Global North' and 'South'.

The degree blends concepts with case studies to equip you with specific methods of analysis in international relations, the kind of analytical skills that employers value.

Year 1

Areas studied include the making of the world order, the contemporary world arena, international political theory, the international system, democratic institutions and recent European history.

Year 2

Areas studied include foreign policy analysis, twentieth-century American politics, small wars, the politics of developing countries, the European Union and security studies.

Optional placement/study year

Optional professional placement and/or overseas study.

Final year

You will conduct in-depth research on a dissertation project and choose from a range of optional modules typically including terrorism and political violence, major current global challenges, Britain and the EU, gender, the Middle East, War in the 21st Century, militarism, populism, and regional politics.

Graduate destinations

Recent graduates from the department are employed by companies including: Accenture, Childreach International, Jaguar Land Rover, Informa, The CBI, The European Commission, Japanese Exchange and Teaching Programme.

**Diploma in Professional/International Studies*

Politics

BA (Hons) DPS/DIntS*: 4 years full-time with placement year
UCAS code: L203

BA (Hons): 3 years full-time
UCAS code: L202

Typical offers

A level: ABB (General Studies accepted)

IB: 34 (6,5,5 HL)

BTEC Level 3 National Extended Diploma: DDM



Political change and political argument are at the centre of our rapidly changing world. This degree focuses on the key issues and ideas which drive these often controversial developments.

The course equips you to think critically and analytically about contemporary political issues and institutions. It allows you to understand the mechanics of a variety of political institutions, as well as topical issues, ideas and controversies. It aims to both deepen your knowledge and understanding of politics and, in the process, to equip you to become sharper citizens to meet some of the major political challenges of the twenty-first century.

Year 1

Areas studied include models of democratic governance, conceptions of democracy, power and political ideologies, and the making of the world order.

Year 2

Areas studied include the EU, the politics of developing countries, political simulation, European politics, history of political thought, and US politics.

Optional placement/study year

Optional professional placement and/or overseas study.

Final year

You will conduct in-depth research on a dissertation project and choose from a range of optional modules typically including Post-war Britain, terrorism and political violence, contemporary political philosophy, Britain and the EU, Middle Eastern politics, populism, and the politics of militarism.

Graduate destinations

Recent graduates from the department are employed by companies including: Accenture, Childreach International, Jaguar Land Rover, Informa, The CBI, The European Commission, Japanese Exchange and Teaching Programme.

**Diploma in Professional/International Studies*



Politics and International Relations

BA (Hons) DPS/DIntS*: 4 years full-time with placement year
UCAS code: 7L27

BA (Hons): 3 years full-time
UCAS code: 1L27

Typical offers

A level: ABB (General Studies accepted)

IB: 34 (6,5,5 HL)

BTEC Level 3 National Extended Diploma: DDM



This course offers a fantastic opportunity to study domestic, international and global challenges that states and citizens face in the 21st Century, and to contribute to debates about the theory and practice of politics in the contemporary era.

You will study ideas that have shaped the development of domestic and international politics, the creation of states, and the systems by which we organise our political lives.

Year 1

Areas studied include the making of the world order, the contemporary world arena, international political theory, the international system, democratic institutions and recent European history.

Year 2

Areas studied include European government and politics, the EU, small wars, security, political simulation, Cold War Europe and third world politics.

Optional placement/study year

Optional professional placement and/or overseas study.

Final year

You will conduct in-depth research on a dissertation project and choose from a range of optional modules typically including populism, political philosophy, Middle Eastern politics, politics and religion, violence and terrorism, Asian politics, Post-war Britain, and Britain and the EU.

Graduate destinations

Recent graduates from the department are employed by companies including: Accenture, Childreach International, Jaguar Land Rover, Informa, The CBI, The European Commission, Japanese Exchange and Teaching Programme.

**Diploma in Professional/International Studies*

Politics, Philosophy and Economics

BA (Hons) DPS/DIntS*: 4 years full-time with placement year
UCAS code: LOV0

BA (Hons): 3 years full-time
UCAS code: LOV1

Typical offers

A level: AAB (excluding General Studies)

IB: 35 (6,6,5 HL)

BTEC Level 3 National Extended Diploma: DDD

GCSE: GCSE Maths grade B/6 and English Language grade B/6



This exciting new course combines three distinct disciplinary perspectives to analyse complex problems in the world today, building on Loughborough's established expertise to create a unique take on a prestigious degree.

The course is designed to allow students maximum flexibility: optional modules in second and third years provide opportunity to tailor their studies to personal interest and trajectory.

Year 1

Areas studied include the contemporary world arena, issues of democracy, understanding philosophy, principles of micro and macroeconomics.

Year 2

Areas studied include the history of political thought, European politics, philosophy, epistemology and metaphysics, and the history of economic thought.

Optional placement/study year

Optional professional placement and/or overseas study.

Final year

You will conduct in-depth research on a dissertation project and choose from a range of optional modules typically including contemporary political philosophy, power in the digital age, the economics of transport, the economics of social issues, international economic relations, economics of the financial system.

Graduate destinations

This is a brand new course and students will develop skills suitable for a broad range of careers, including those in the fields of politics, banking, international governance and the non-profit sector.

**Diploma in Professional/International Studies*

Politics with Economics

BA (Hons) DPS/DIntS*: 4 years full-time with placement year

UCAS code: L2LA

BA (Hons): 3 years full-time

UCAS code: L2L1

Typical offers

A level: ABB (General Studies accepted)

IB: 34 (6,5,5 HL) with 5 at SL Maths

BTEC Level 3 National Extended Diploma: DDM

GCSE: GCSE Maths grade B/6



This degree will provide you with an opportunity to pursue your interest in domestic and international politics, and tackle some of the big questions in modern politics, while developing a rich grasp of major debates that have shaped the economics.

The course starts by building your knowledge and understanding of the key concepts of political practice and theory to an in-depth understanding of more specialised subjects such as populism, the EU, US politics, political violence, justice and British politics. At the same time, it will introduce you to the major debates and developments in the field of economics, including topics such as micro and macroeconomics, economic theory and finance.

Year 1

Areas studied include an introduction to the key concepts, ideas and institutions which dominate contemporary politics at a domestic and international level, as well as the fundamentals of macro and microeconomics.

Year 2

Areas studied include political thought, European politics, politics of developing countries, political simulation, the European Union, economic theory and practice.

Optional placement/study year

Optional professional placement and/or overseas study.

Final year

You will conduct in-depth research on a dissertation project and choose from a range of optional modules typically including Middle Eastern politics, political conflict and terrorism, political philosophy, populism, international trade, finance and industrial economics.

Graduate destinations

As this is a relatively new course we do not yet have employment statistics. Graduates from our existing politics courses have developed graduate careers in fields including marketing, finance, politics, public relations, the media, teaching and the police.

**Diploma in Professional/International Studies*

“My favourite thing about the course is the fact that we have so many lecturers who specialise in a variety of different things. It means you’re never short of someone who will be able to help you find what you need.”







Alejandro

BSc Sport and Exercise Psychology

“I hope to become a Sport or Clinical Psychologist. My degree will provide me with key psychological knowledge and transferable life skills.”

Courses

Business Psychology	p200	You may also be interested in...	
Psychology	p200	Human Biology	p100
Psychology with Communication	p201	Media and Communication	p126
Psychology with Criminology	p201	Sociology	p207
Sport and Exercise Psychology	p202	Criminology and Sociology	p206
Psychology with a Foundation Year	p202		

Our courses are accredited by*:



* Psychology with Communication was a new course for 2019 entry and we are currently working towards achieving its accreditation..

Psychology

Why choose Psychology at Loughborough?

Our psychology courses consist of an exciting and flexible range of modules taught by enthusiastic and inspiring lecturers.

Each course offers access to an outstanding teaching and learning environment. Our teaching is informed by the expertise of our leading academics who cover a wide range of areas of psychology and are internationally renowned in their fields. They give our students insight into the very latest developments in psychology, using innovative and engaging teaching methods.

The range of Psychology courses at Loughborough allows students to customise their studies to suit their individual interests and pursue a career path that they are passionate about. Our undergraduate psychology courses provide the perfect foundation for further study of professional psychology or our own specialised MSc courses such as the MSc Work Psychology or the MSc Sport and Exercise Psychology.

Professional recognition

Four of our psychology courses are accredited by the British Psychological Society (BPS) and share a core suite of modules covering fundamental topics and methods in psychology: cognitive psychology, biological psychology, developmental psychology, social psychology, personality and individual differences, historical and conceptual issues, research methods and practical psychology.

These psychology courses include the core modules required for the Graduate Basis for Chartered Membership of the British Psychological Society. This allows progression onto specialised psychology training such as Clinical, Counselling, Business or Educational Psychology.

Psychology with Communication was a new course for 2019 and we are working towards achieving accreditation for this, too.

Professional placement

We encourage and provide support to students who wish to undertake an optional year-long work placement or study abroad opportunity. A placement year helps to develop essential skills and foster valuable industry contacts. We have strong connections with a range of organisations offering placements.

Employability

Our courses provide a foundation for specialised postgraduate training in psychology or postgraduate research, which can lead to accreditation allowing you to practise as a psychologist.

Our graduates go on to enjoy a wide variety of careers in clinical, forensic, sport, education, commercial, financial and management sectors. The flexibility of our psychology courses means you can tailor your degree to suit your individual career interests and aspirations.



THE GUARDIAN
UNIVERSITY GUIDE 2019
TOP 10 IN UK FOR
PSYCHOLOGY



ACCREDITED
BY THE BRITISH
PSYCHOLOGICAL
SOCIETY*



Business Psychology

BSc (Hons) DPS/DIntS*: 4 years full-time with placement year

UCAS code: C8N1

BSc (Hons): 3 years full-time

UCAS code: C8N0

Typical offers

A level: AAB

IB: 35 (6,6,5 HL) with 4 at SL Maths and 5 at SL English

BTEC Level 3 National Diploma: D*D plus an A level at grade B

GCSE: GCSE Maths grade C/4 (grade B/6 preferred) and English Language grade B/6



Psychology is vital for business. It helps line up the needs of people, workplaces and organisations through techniques like motivation, leadership and human resource management. It also helps us understand consumer needs and effective marketing.

This BPS-accredited psychology degree offers you the opportunity to study the core areas of psychology alongside modules that apply psychological principles to the world of business and management. You will be taught by enthusiastic psychology and business academics at the forefront of their fields.

Year 1

Areas studied include foundations in cognitive, biological, social and developmental psychology, historical and conceptual issues in psychology, and research methods, as well as introductory modules in work psychology and professional skills. There are also optional modules in business-related topics.

Year 2

Areas studied include human cognition, brain and behaviour, social psychology, personality and individual differences, psychological approaches to human resource management, leadership, and optional business modules.

Optional placement/study year

Optional professional placement and/or overseas study.

Final year

Areas studied major on human behaviour in work and business, such as workplace health, consumer psychology, and management decision making, plus a major project on a topic that interests you. You also choose optional modules in business and/or psychology.

Graduate destinations

Possible careers include a wide range of psychology and management related roles in all sectors of the economy, including industry and commerce, public and third sectors, and self-employment. Because the degree is BPS-accredited, you can progress towards any area of professional psychology.

**Diploma in Professional/International Studies*

Psychology

BSc (Hons) DPS/DIntS*: 4 years full-time with placement year

UCAS code: C801

BSc (Hons): 3 years full-time

UCAS code: C800

Typical offers

A level: AAB

IB: 35 (6,6,5 HL) with 4 at SL Maths and 5 at SL English

BTEC Level 3 National Diploma: D*D plus an A level at grade B

GCSE: GCSE Maths grade C/4 (grade B/6 preferred) and English Language grade B/6



The degree is taught by internationally respected academics within the highly ranked School of Sport, Exercise and Health Sciences. It offers a thorough grounding in the fundamentals of psychological science, allowing graduates to build their careers on a British Psychological Society (BPS) accredited qualification. It covers a range of modules which aim to build your core psychological knowledge and skills, allowing you to tailor your degree to your interests and aspirations.

Year 1

Areas studied include foundations in cognitive, biological, social and developmental psychology, historical and conceptual issues in psychology, and research methods.

Year 2

Areas studied include human cognition, brain and behaviour, social psychology, child development, personality and individual differences, and research methods.

Optional placement/study year

Optional professional placement and/or overseas study.

Final year

In addition to a supervised research project, students can choose from options including advanced experimental and qualitative design and analysis, the psychology of workplace health, clinical psychology, parenting and socialisation, psychology and health, the psychology of eating behaviour, social psychology of everyday life, and consumer psychology.

Graduate destinations

This degree prepares you for a career in a wide range of settings including commercial or healthcare settings, and roles in management and human resources, education, community and social work, financial services, and psychological research. It provides a foundation for postgraduate study or further professional training for careers in counselling or clinical, educational, occupational, forensic or health psychology.

**Diploma in Professional/International Studies*



Psychology with Communication

BSc (Hons) DPS/DIntS*: 4 years full-time with placement year
UCAS code: CP83

BSc (Hons): 3 years full-time
UCAS code: C8P3

Typical offers

A level: AAB

IB: 35 (6,6,5 HL) with 4 at SL Maths and 5 at SL English
BTEC Level 3 National Diploma: D*D plus an A level at grade B

GCSE: GCSE Maths grade C/4 (grade B/6 preferred) and English Language grade B/6



This degree offers a thorough grounding in psychological science through the study of human behaviour and the mind, combined with study of the workings of language, media and communication. It is a new course for 2019 and we are currently working towards achieving its accreditation.

It is taught by passionate and inspiring staff who are at the cutting-edge of Psychology, and Communication and Media Studies. It provides specialised training in scientific approaches to the study of social interaction and offers a wide range of specialist analytical and practical skills relevant to many jobs that involve working with the media and communication industries.

Year 1

Areas studied include foundations of social, biological and cognitive psychology, language in society, research methods and academic skills, communication and media studies.

Year 2

Areas studied include social, biological and cognitive psychology, developmental psychology, analysing language, social psychology and communication, group and intergroup communication and conflict.

Optional placement/study year

Optional professional placement and/or overseas study.

Final year

Areas studied include a dissertation plus modules on language, culture and mind, digital media and society, memory and history, applied communication, producing the news, plus choices from a range of optional modules.

Graduate destinations

This degree will prepare you for careers in a wide range of settings including commercial, healthcare, communication and media, management and human resources, education, community and social work, advertising and journalism, financial services, and psychological and communication research.

**Diploma in Professional/International Studies*

Psychology with Criminology

BSc (Hons) DPS/DIntS*: 4 years full-time with placement year
UCAS code: C8M0

BSc (Hons): 3 years full-time
UCAS code: C8M9

Typical offers

A level: AAB

IB: 35 (6,6,5 HL) with 4 at SL Maths and 5 at SL English
BTEC Level 3 National Diploma: D*D plus an A level at grade B

GCSE: GCSE Maths grade C/4 (grade B/6 preferred) and English Language grade B/6



This BPS-accredited course combines psychology with criminology to gain understanding into human mind and behaviour, the study of crime, its causes and prevention. The degree offers a thorough grounding in the fundamentals of psychological science and methods, also enabling a critical understanding of crime and criminal behaviour. Alongside the study of human development, cognition, and personality, you will explore why anti-social, deviant and criminal behaviour happens, how the criminal justice system operates, and how crime can be tackled.

Year 1

Areas studied include introductions to criminology and social policy, crime and social welfare, foundations in social/developmental/cognitive psychology, and research methods.

Year 2

Areas studied include criminological theory, operational policing, social psychology, developmental psychology, human cognition, and brain and behaviour.

Optional placement/study year

Optional professional placement and/or overseas study.

Final year

Areas studied include an independent research project, crime prevention and the criminal justice system in England and Wales, plus choices from a range of optional modules.

Graduate destinations

This course prepares you for careers in a wide range of settings including commercial, healthcare, and criminal justice settings, management and human resources, education, community and social work, advertising and journalism, financial services, and psychological research. It offers a foundation for specialised postgraduate study or further professional training for a career in clinical, educational, occupational, forensic or health psychology.

**Diploma in Professional/International Studies*

Sport and Exercise Psychology

BSc (Hons) DPS/DIntS*: 4 years full-time with placement year

UCAS code: C86C

BSc (Hons): 3 years full-time

UCAS code: C8C6

Typical offers

A level: AAB

IB: 35 (6,6,5 HL) with 4 at SL Maths and 5 at SL English
BTEC Level 3 National Diploma: D*D plus an A level at grade B

GCSE: GCSE Maths grade C/4 (grade B/6 preferred) and English Language grade B/6

Psychology with a Foundation Year

This course is only available to students performing at a very high standard in a chosen sport, who wish to study at Loughborough, but do not have the required qualifications due to sporting commitments.

Successful completion of the foundation course allows you to progress onto the first year of the undergraduate degree course.

For further details see pages 150-153 or visit the Foundation Studies web pages for information on typical offers and course content.

lboro.ac.uk/ug2020/foundation



This degree offers a unique opportunity to develop advanced knowledge and practical skills in relation to the psychological principles applied to sport and exercise – at a world-leading university for sports subjects.

Covering all the core areas of psychology for BPS accreditation, the course will ensure you also gain an in-depth understanding of how psychological factors are used to understand and support the performance and well-being of athletes, coaches, teams and exercisers across the life span.

Year 1

Areas studied include foundations in social, developmental, cognitive, biological, sport and exercise psychology, and research methods.

Year 2

Areas studied include exercise psychology, psychology in elite sport, hot topics in sport and exercise psychology, social psychology, child development, memory and cognition, brain and behaviour, and research methods.

Optional placement/study year

Optional professional placement and/or overseas study.

Final year

Areas studied include an independent research project, applied exercise psychology, and psychology of working with athletes, coaches and teams.

Graduate destinations

This course will equip graduates for further professional training as a qualified sport and exercise psychologist. It will directly facilitate further professional, postgraduate training pathways into a career as a clinical, educational, occupational, forensic or health psychologist.

**Diploma in Professional/International Studies*





“The teaching quality is fantastic. It is very reassuring to know that you are being taught by people who are experts in their fields, which increases your confidence from the offset.”



Kieran

BSc Criminology and Sociology

“Teaching quality is high and there are excellent facilities available, both course-related and generally.”

Courses

Criminology and Social Policy

Criminology and Sociology

Sociology

Sociology and Media

Social Sciences with a Foundation Year

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You may also be interested in...

Business Psychology

International Relations

Psychology

Psychology with Communication

Psychology with Criminology

Sport and Exercise Psychology

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Social and Policy Studies

Why choose Social and Policy Studies at Loughborough?

Whether it is crime, poverty and social exclusion or gender, ethnicity and discrimination; digital cultures and economy or health and reproduction; our degree courses enable you to analyse and critically reflect on key social problems and processes in society.

Guided by our team of expert scholars, our courses allow students to investigate the world around them by drawing on social theories and using cutting-edge methods to understand and respond to challenges faced in contemporary times of change.

Our courses are taught by academics who are leaders in their respective fields. This approach means our courses are underpinned by the latest developments in research and applied learning techniques.

A tailored degree

Whilst receiving a thorough training in your chosen subject, our courses allow you to select topics of interest from across the social sciences. Our students become versed in a broad range of current debates and learn to question and explain social issues from different perspectives.

Teaching methods

A mixture of lectures, practical classes and tutorials offer a range of learning experiences to ensure our students acquire a thorough grounding in social science disciplines, as well as advanced understanding in their chosen areas of interest. All our students gain advanced training in social research methods and learn to conduct their own research into topics that fascinate them.

Placement year and study abroad

All our courses offer the opportunity to complete a year on placement or studying at a partner university overseas. Our students secure placements in organisations from across the public and private sector. In the workplace they apply the theories and methods learnt during their course to real-world situations.

Employability

93% of recent graduates were in employment and/or further study six months after graduating (DLHE 2017). Our courses are very flexible in terms of the variety of optional subject modules. They open doors to a wide range of professions. As a result, students can adapt their degree to reflect their interests.

Previous students have graduated into entry level opportunities across the public, private and voluntary sectors, with careers in industry, education, health and social care, human resources and the criminal justice system to name but a few.



THE TIMES GOOD
UNIVERSITY GUIDE 2019
6TH IN UK FOR
SOCIOLOGY



THE GUARDIAN
UNIVERSITY GUIDE 2019
4TH IN UK FOR
SOCIAL POLICY



Criminology and Social Policy

BSc (Hons) DPS/DIntS*: 4 years full-time with placement year
UCAS code: LL64

BSc (Hons): 3 years full-time
UCAS code: ML24

Typical offers

A level: ABB (General Studies accepted)

IB: 34 (6,5,5 HL)

BTEC Level 3 National Extended Diploma: DDM



On this course you will develop a detailed understanding of the causes of crime and classic and contemporary approaches to crime prevention, as well as the impact of social policy on problems such as poverty, inequality and social exclusion.

The degree brings together theories and methods used to understand social issues relating to crime, deviance and inequality and equips students to critically evaluate the role of policing, criminal justice and offender rehabilitation in addressing the impact of crime on society.

Year 1

Areas studied include introducing criminology, crime and social welfare, understanding social policy, identities and inequalities, and social research methods.

Year 2

Areas studied include criminological theory, the criminal justice system, crime prevention and advanced research methods.

Optional placement/study year

Optional professional placement and/or overseas study.

Final year

Areas studied include youth justice, operational policing issues, rehabilitation and recovery and a research-based dissertation.

Graduate destinations

Our students go on to a wide variety of careers in the private, public and voluntary sectors. Some enter welfare-related careers such as probation and social work, while others join the police, the prison service, management training schemes, and the personnel departments of large companies. A number go on to do postgraduate study or teacher training.

**Diploma in Professional/International Studies*

Criminology and Sociology

BSc (Hons) DPS/DIntS*: 4 years full-time with placement year
UCAS code: L3M0

BSc (Hons): 3 years full-time
UCAS code: L3M9

Typical offers

A level: ABB (General Studies accepted)

IB: 34 (6,5,5 HL)

BTEC Level 3 National Extended Diploma: DDM



This course combines two vibrant subjects to offer both a detailed understanding of crime, its causes and prevention and a broader knowledge of how societies are shaped by social forces related to gender and ethnicity based discrimination, cultures, identities, globalisation and inequality.

The degree brings together core and advanced modules in criminology and sociology to give you a unique ability to analyse intersections of criminal justice and social change as it pertains to global processes of migration and new economies, as well as intimate identities, sense of belonging, health and consumption. This is an ideal course for those who have an interest in crime and social problems as well as broader structures, processes and cultures that shape our lives and societies.

Year 1

Areas studied include introducing criminology, identities and inequalities, understanding social policy, global, social and cultural change, crime and social welfare, the sociological imagination, and social research methods.

Year 2

Areas studied include social theories, crime prevention, the criminal justice system, criminological theory and advanced research methods.

Optional placement/study year

Optional professional placement and/or overseas study.

Final year

Areas studied include operational policing, youth justice, rehabilitation and recovery, investigating the social world, consumption, culture and everyday life and a research-based dissertation.

Graduate destinations

Recent graduate destinations include Deutsche Bank, Goldman Sachs, Saatchi, BBC, Sky, Vodafone, BUPA, Ministry of Justice, British Transport Police, NHS, National Autistic Society, National Offender Management Service, National Crime Service, HSBC, Macmillan Science and Education.

**Diploma in Professional/International Studies*



Sociology

BSc (Hons) DPS/DIntS*: 4 years full-time with placement year
UCAS code: L301

BSc (Hons): 3 years full-time
UCAS code: L300

Typical offers

A level: ABB (General Studies accepted)

IB: 34 (6,5,5 HL)

BTEC Level 3 National Extended Diploma: DDM



This course teaches students theories, methods and specialist knowledge needed to understand how identities, behaviours and lives are shaped by social, global and cultural processes and structures that give rise to inequalities and change.

You will explore a variety of social phenomena, such as gender, social class and inequalities, race and racism, consumption, health, digital technologies, developing a detailed understanding of the social world. You will acquire practical social research methods skills from surveys, interviews and focus groups to visual methods and online ethnography.

Year 1

Areas studied include identities and inequalities, global, social and cultural change, sociological imagination, social sciences, and social research methods.

Year 2

Areas studied include social theories, globalisation and its consequences, digital lives and society and advanced research methods.

Optional placement/study year

Optional professional placement and/or overseas study.

Final year

Areas studied include investigating the social world, gender, sex and society and consumption, culture and everyday life and a research-based dissertation.

Graduate destinations

Recent graduate destinations include Accenture, Deutsche Bank, Goldman Sachs, BBC, Sky, Vodafone, BUPA, Ministry of Justice, British Transport Police, NHS, National Autistic Society, National Offender Management Service, National Crime Service, HSBC, Macmillan Science and Education.

**Diploma in Professional/International Studies*

Sociology and Media

BSc (Hons) DPS/DIntS*: 4 years full-time with placement year
UCAS code: PL34

BSc (Hons): 3 years full-time
UCAS code: PL33

Typical offers

A level: ABB (General Studies accepted)

IB: 34 (6,5,5 HL)

BTEC Level 3 National Extended Diploma: DDM



This course combines two vibrant subjects providing students with a detailed sociological knowledge of inequalities, identities and social change, with a cutting-edge understanding of the role of media and communication in contemporary society.

By providing a thorough training in social problems, theories and methods, students will learn to examine and explain complex social issues related to inequality, identity and social structure. Students also explore the role played by the media in representing and recreating social issues and learn about key developments in digital media, press, film, broadcasting and advertising.

Year 1

Areas studied include introduction to communication and media studies, sociological imagination, identities and inequalities, critical viewings, global, social and cultural change and social research methods.

Year 2

Areas studied include media and social change, digital lives and society, social theories, media identity and inequality and advanced research methods

Optional placement/study year

Optional professional placement and/or overseas study.

Final year

Areas studied include presenting media debates, digital media and society, investigating the social world, critical viewings of television and documentary, consumption, culture and everyday life and a research-based dissertation.

Graduate destinations

Career paths include journalism, campaign management, corporate communications, digital marketing, human resources, public administration, teaching and research.

**Diploma in Professional/International Studies*

Social Sciences with a Foundation Year

This course is primarily for candidates who have not studied the prerequisite subjects needed for first year entry, not met their entrance requirements due to adverse situations, are a mature student returning to education or a care leaver.

Successful completion of the foundation course allows you to progress onto the first year of the undergraduate degree course.

For further details see pages 150-153 or visit the Foundation Studies web pages for information on typical offers and course content.

lboro.ac.uk/ug2020/foundation

Psychology with Criminology

BSc (Hons) DPS/DIntS*: 4 years full-time
UCAS code: C8M0

BSc (Hons): 3 years full-time
UCAS code: C8M9

This course offers a thorough grounding in the fundamentals of psychological science through the study of human behaviour and the mind, combined with study into crime, its causes and prevention.

See page 201 for more information.

**Diploma in Professional/International Studies*

“I worked at a Category B male prison as a resettlement case manager on my placement year. From day one, I was given so much responsibility.”







Constance

BSc Sport and Exercise Science

“I enjoy the practicalities of sport science, applying what I’ve learnt in lectures in the lab.”

Courses

Sport and Exercise Science
Sport, Coaching and Physical Education
Sport Management
Sport with a Foundation Year

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You may also be interested in...

Biochemistry
Biological Sciences
English and Sport Science
Geography and Sport Science
Human Biology
Mathematics and Sport Science
Psychology
Sports Technology
Sport and Exercise Psychology

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Sport, Exercise and Health Sciences

Why choose Sport, Exercise and Health Sciences at Loughborough?

We enjoy a reputation for academic excellence, teaching quality, state-of-the-art facilities and leading research. You will benefit from our unique connections with the sport and leisure industry, coaching and development, sport and exercise medicine, and health and wellbeing.

Currently ranked 1st in the world for sports-related subjects [QS World Rankings 2018], our sport courses are taught by internationally renowned academics and guest speakers. Consistently ranked highly in university league tables, we offer you the chance to tailor your studies through attractive optional modules that reflect the multidisciplinary breadth of our expertise.

Placement year and study abroad

The School has strong links with leading employers and a range of organisations. We provide support to students wishing to undertake a year-long work placement through our four-year sport courses.

A placement year helps to develop essential skills and foster valuable industry contacts. We also offer a range of placement opportunities for studying abroad.

Employability

Over 95% of our recent graduates were in employment and/or further study six months after graduating (DLHE 2017). Our students go on to enjoy rewarding careers across a diverse range of organisations.

Recent graduate destinations include Sky, Aviva, Chelsea FC, Adidas, Youth Sport Trust, Deloitte, UK Sport, Brain Injury Trust, Mondelez International, GlaxoSmithKline and numerous schools and NHS Trusts.

Facilities

School and University sport facilities include: 27 laboratories, including the latest physiological, molecular and environmental technologies; two climatic chambers; bespoke training and testing equipment; specialist human biology, psychology, physiology and biomechanics laboratories; a National Gymnastics Performance and Research Centre; 50 metre swimming pool; netball and badminton centre; high performance athletics centre; floodlit all-weather areas and a water-based hockey pitch.



QS WORLD UNIVERSITY RANKINGS 2018
1ST IN THE WORLD
FOR SPORTS-RELATED SUBJECTS



ACADEMIC RANKING OF WORLD UNIVERSITIES
1ST IN EUROPE FOR
SPORT SCIENCE



ATHENA SWAN
SILVER AWARD
COMMITMENT TO
GENDER EQUALITY



Sport and Exercise Science

BSc (Hons) DPS/DIntS*: 4 years full-time with placement year

UCAS code: C600

BSc (Hons): 3 years full-time

UCAS code: CX63

Typical offers

A level: AAA-AAB including at least one preferred subject: Biology, Human Biology, Maths, Physics, Chemistry, Psychology, PE/Sport Science

IB: 37 (6,6,6 HL)

BTEC Level 3 National Diploma: D*D* including Distinctions in all units plus grade A in a preferred A level subject

GCSE: Majority A/B (7/6) grades at GCSE including minimum grade B/6 in Maths, English Language and a Science



This course will develop your knowledge and understanding of sport and exercise sciences. It will be underpinned by a thorough scientific appreciation of the disciplines of physiology, biochemistry, biomechanics, motor control and psychology.

You will gain insights into the physiological, biomechanical and psychological influences on human performance during the preparation for, and participation in, sport and exercise.

Year 1

Areas studied include anatomy, physiology, biochemistry, cell and molecular biology, structural kinesiology, biomechanics, motor control, skill acquisition and psychology.

Year 2

Areas studied include exercise physiology and biochemistry of nutrition, biomechanics of sport and motor control, and sport and exercise psychology. You will also have the opportunity to advance your vocational, practitioner and employability skills in a series of specialised modules.

Optional placement/study year

Optional professional placement and/or overseas study.

Final year

Areas studied include a substantial research project and choices from a range of optional modules in the core discipline.

Graduate destinations

Recent graduates have become exercise physiologists, sport psychologists, junior sport agents, personal trainers, sport coaches, strength and conditioning coaches, health advisors, and local government sport development officers. Employers include Adidas, British Swimming, UK Sport and Leicester Tigers.

**Diploma in Professional/International Studies*

Sport, Coaching and Physical Education

BSc (Hons) DPS/DIntS*: 4 years full-time with placement year

UCAS code: C604

BSc (Hons): 3 years full-time

UCAS code: C603

Typical offers

A level: AAA-AAB including at least one preferred subject: Biology, Human Biology, Maths, Physics, Chemistry, Psychology, Sociology, History, Geography, PE/Sport Science and English Literature/Language

IB: 37 (6,6,6 HL)

BTEC Level 3 National Diploma: D*D* including Distinctions in all units plus grade A in a preferred A level subject

GCSE: Majority A/B (7/6) grades at GCSE including minimum grade B/6 in Maths, English Language and a Science



This new course will allow you to develop a critical, theoretical and practical knowledge and understanding of Sport, Coaching and Physical Education, as well as physiology, physical activity and health, skill acquisition, psychology and sport sociology.

Year 1

Areas studied include academic and research skills, coaching, physical education, sport and social sciences, kinesiology, growth and development, psychology, biomechanics and physiology.

Year 2

Areas studied include research skills, coaching and physical education, plus choices from a range of optional modules including sport sociology, physical activity and health, skill acquisition, performance analysis and fitness and training.

Optional placement/study year

Optional professional placement and/or overseas study.

Final year

Areas studied include coaching and/or physical education and a substantial research project, plus choices from a range of optional modules covering sport sociology, physical activity and health, psychology, leadership and development and performance analysis.

Graduate destinations

As this course launched in 2019 there are no graduates yet. However, the course is intended to prepare you for employment across a range of coaching, sport, exercise, health and wellbeing contexts and for further training including in PE teacher training, coaching, strength and conditioning, exercise physiology, sport psychology, personal training, health, and local government sport departments.

**Diploma in Professional/International Studies*



Sport Management

BSc (Hons) DPS/DIntS*: 4 years full-time with placement year

UCAS code: N281

BSc (Hons): 3 years full-time

UCAS code: N222

Typical offers

A level: AAB

IB: 35 (6,6,5 HL) with 5 in Maths and English at SL

BTEC Level 3 National Diploma: D*D in Sport or Business plus an A level at grade B

GCSE: Majority A/B (7/6) grades at GCSE including minimum grade B/6 in Maths and English Language



This course equips students with the knowledge and skills that managers need in the global and rapidly expanding sport industry. Students learn about marketing, organisational and strategic management, finance, governance, policy, law and economics. Practical elements within the degree help our graduates to become confident, effective managers.

Year 1

Areas studied include an introduction to sport management, critical perspectives in sport, the leisure market, principles of marketing, accounting and behaviour in sporting organisations plus optional module choices in coaching or sport and social sciences.

Year 2

Areas studied include research skills, sport management in practice, sport law, equity and inclusion, economic analysis of sport, sport marketing, accounting and human resource management in sport organisations plus optional module choices in coaching or sport and social sciences.

Optional placement/study year

Optional professional placement and/or overseas study.

Final year

Areas studied include a dissertation, sport policy and governance, strategic sport marketing and economics and strategic management of sport organisations and events, plus optional module choices in coaching or sport and social sciences.

Graduate destinations

Recent career destinations include: The Tennis Foundation, Swim England, ATP Media, Adidas, Advertising Standards Agency, Bet 365, De Vere, Decathlon, MasterCard, Nike, Octagon, PwC, Sky, Tesco, Orbital Recruitment, Instron.

**Diploma in Professional/International Studies*

Sport with a Foundation Year

This course is only available to students performing at a very high standard in a chosen sport, who wish to study at Loughborough, but do not have the required qualifications due to sporting commitments.

Successful completion of the foundation course allows you to progress onto the first year of the undergraduate degree course.

For further details see pages 150-153 or visit the Foundation Studies web pages for information on typical offers and course content.

lboro.ac.uk/ug2020/foundation

Human Biology

BSc (Hons) DPS/DIntS*: 4 years full-time with placement year

UCAS code: B151

BSc (Hons): 3 years full-time

UCAS code: B150

This course studies the structure and function of the human body, human evolution and adaptation.

See page 100 for more information.

**Diploma in Professional/International Studies*

Psychology

BSc (Hons) DPS/DIntS*: 4 years full-time with placement year

UCAS code: C801

BSc (Hons): 3 years full-time

UCAS code: C800

This course offers a thorough grounding in the fundamentals of psychological science, allowing graduates to build their careers on a British Psychological Society (BPS) accredited qualification.

See page 200 for more information.

**Diploma in Professional/International Studies*



Sport and Exercise Psychology

BSc (Hons) DPS/DIntS*: 4 years full-time with placement year
UCAS code: C86C

BSc (Hons): 3 years full-time
UCAS code: C8C6

Beyond studying all major areas of psychological science, this British Psychological Society (BPS) accredited course focuses on the application of psychology to sport, performance and exercise environments.

See page 202 for more information.

**Diploma in Professional/International Studies*



“Having access to labs, pitches and courts that are used by elite athletes and industry professionals on a day-to-day basis is a privilege.”



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Loughborough University has taken care that this prospectus is as accurate as possible at the time of going to press (February 2019). It is intended as a general guide to the courses and facilities available to students commencing an undergraduate course in September 2020.

Please note that although we do not anticipate that there will be major changes to the information provided in this prospectus, it is prepared a considerable time in advance and the University may make limited changes to 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 (www.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 and how we will keep you informed of any changes.

Admission to Loughborough is subject to the requirement that applicants accepting offers, and students on registration, agree to the Terms and Conditions referred to above.

Editorial: Amy Statham (Marketing)

Contributor: Priya Khutan (Marketing)

Photography: Phil Rowley; Creative and Print Services; Andy Weekes

Design: Phil Silk; Creative and Print Services

Print: Sterling Solutions

Published: February 2019

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UCAS Code L79

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Scan me to get started:



 lboro.ac.uk/ug2020

 lboro.ac.uk/ug2020/videos



Book onto an Open Day:

- Friday 28 June 2019
- Saturday 29 June 2019
- Friday 20 September 2019
- Saturday 21 September 2019

lboro.ac.uk/ug2020/open-days



Admissions Office
Loughborough University
Leicestershire
LE11 3TU

T: +44 (0)1509 223522
E: admissions@lboro.ac.uk

 @lborouniversity

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 /lborouniversity

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