Loughborough University

Undergraduate Prospectus 2023

INSPIRING WINNERS SINCE 1909

WHY LOUGHBOROUGH?

WHY LOUGHBOROUGH?

CONSISTENTLY RANKED AS A TOP 10 UK UNIVERSITY

10TH

THE GUARDIAN UNIVERSITY GUIDE 2022

7TH

THE COMPLETE UNIVERSITY GUIDE 2022

1st UNIVERSITY OF THE YEAR FOR SPORT

THE TIMES AND SUNDAY TIMES GOOD UNIVERSITY GUIDE 2022

2ND

RANKED 2ND* IN ENGLAND FOR OVERALL SATISFACTION

NATIONAL STUDENT SURVEY 2021

OUR CAMPUS IS ONE OF THE NATION'S BEST GREEN SPACES

GREEN FLAG AWARDS 2021

2

VOTED 2ND FOR STUDENT EXPERIENCE

THE TIMES AND SUNDAY TIMES GOOD UNIVERSITY GUIDE 2022

lboro.ac.uk/ug/why-lboro

*Based on English HEIs excluding specialists, FECs and alternate providers

Open events

There are a variety of ways you can see our campus, interact with current students and staff, and experience life at Loughborough.

Head to our website to find out more about our online and in-person tours and events.

lboro.ac.uk/ug/open-events

Contents

WELCOME

Thank you for your interest in Loughborough

There are a number of reasons students choose to study here. For some, it is being taught by our world-class academic staff who are using their research to change the world for the better. For others, it is the wide range of opportunities outside the curriculum – we have a vast array of teams, clubs and societies for any interest.

We offer numerous exciting opportunities for volunteering, entrepreneurship and development. These will not only give you the necessary personal skills to stand out when you are looking for your future careers, but also help make your time at Loughborough some of the best years of your life.

Loughborough University is incredibly proud of its strong sense of community. The friendly and supportive environment across campus enables everyone to achieve their personal best in whatever they do.

I recommend that you visit the University to see our campus if you can, meet staff and current students, and experience the fantastic Loughborough spirit for yourself. We are a vibrant and ambitious university and I hope you are able to see for yourself why we are so special.

Professor Nick Jennings CB, FREng
Vice-Chancellor and President

#LboroFamily

Our location

Our campus can be found in the heart of the East Midlands, close to Nottingham, Birmingham and Leicester.

Our central location means Loughborough benefits from fantastic transport links, and Loughborough train station is just a short walk from the University campus.

Top train destinations

Leicester	From 9 minutes
Nottingham	From 19 minutes
Sheffield	From 24 minutes
London	From 77 minutes

Popular flights

Dublin, Ireland	1 hour
Barcelona, Spain	2 hours 30 minutes
Rome, Italy	2 hours 45 minutes
Dubrovnik, Croatia	2 hours 50 minutes

Sources: eastmidlandsairport.com

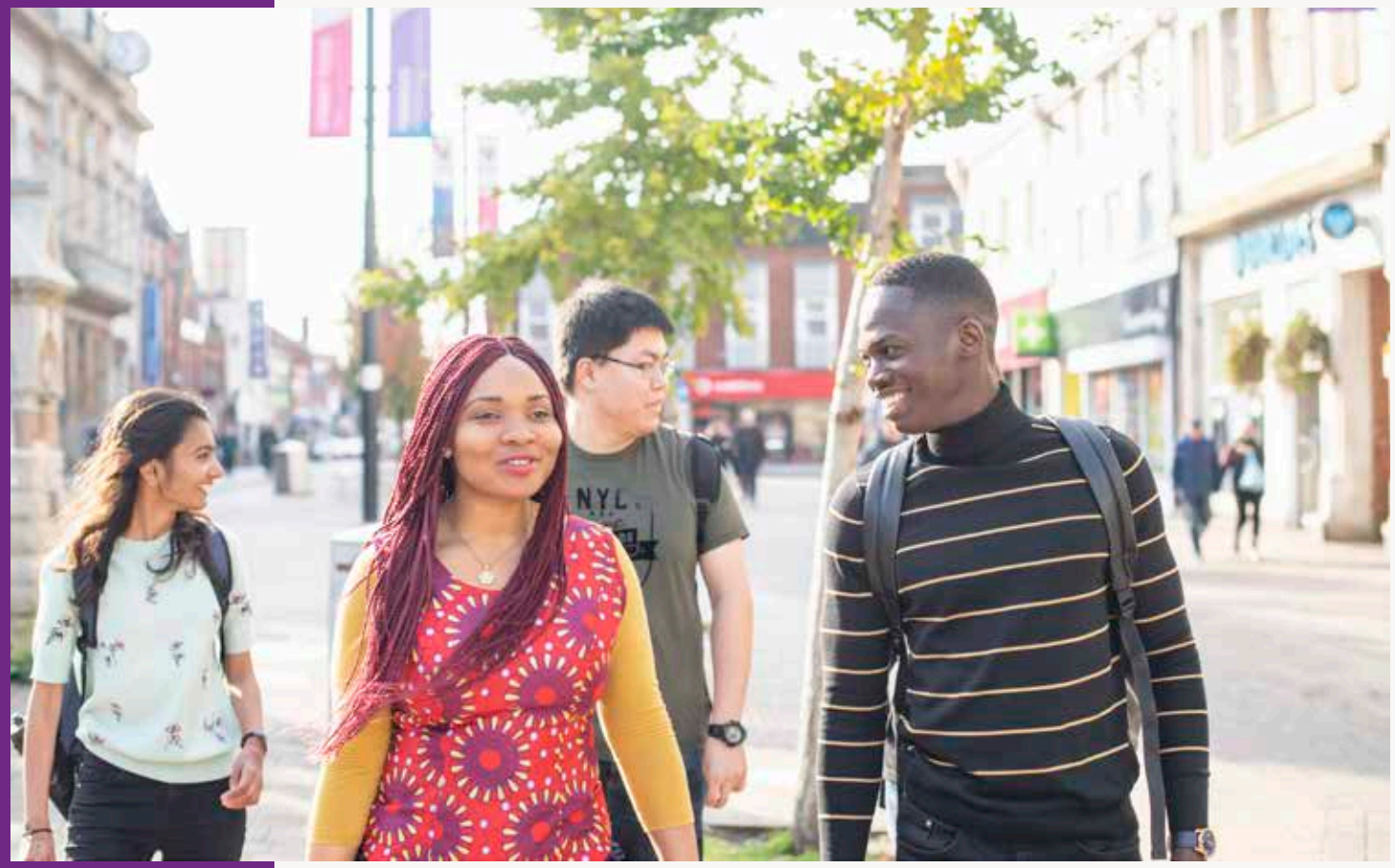
lboro.ac.uk/ug/where-lboro

Loughborough town

The town centre is a short 15-minute stroll from our University campus and offers a full range of amenities including two cinemas, escape rooms, dessert parlours and restaurants, bars, pubs and clubs to suit all tastes.

There is a great selection of retail stores too, from high street staples such as New Look and Boots, to a great selection of local independents. What's more, Loughborough town hosts a regular programme of live performances and comedy evenings for you to enjoy with friends – you'll never find yourself without something to do!

Loughborough is a really beautiful town, having recently been awarded Gold in the East Midlands Bloom awards for the tenth time.



The twice-weekly Loughborough market is a must see – part of the town's history for over 800 years, this award-winning display offers the finest local produce. You can purchase everything from freshly baked goods and confectionery, to clothing and household supplies.

Every November, the much-loved Loughborough Fair comes to town bringing an array of rides, games, attractions and food stalls to keep everyone entertained.

Loughborough town has also recently been awarded a £17 million investment of Government funding to make it even more special.

For those who want to explore beyond the town, we are surrounded by popular tourist attractions such as the Peak District, as well as the beautiful Bradgate Park and Beacon Hill. We're also nestled between the larger cities of Derby, Nottingham and Leicester for those seeking a more urban experience.

For more information about our local area, check out Love Loughborough. You'll find a list of upcoming events and local attractions, plus an extensive list of retail, food and drink outlets.

loveloughborough.co.uk

LOVE Loughborough

"My favourite thing about Loughborough is the community-like atmosphere. Although it was a big change for me moving from a big city to a small town, I liked that you can go anywhere and bump into someone you know."

Stephanie
Criminology and Sociology BSc

OUR CAMPUS

Our campus

Our vibrant campus provides students with a great place to learn, live and relax.

Our commitment to sustainability means we are able to provide top facilities and a fantastic student experience in the most beautiful environment, whilst also ensuring we are managing our environmental impact.

440 acre single-site campus

SUSTAINABILITY

37% REDUCTION IN CARBON EMISSIONS
relative to student numbers compared to the 2010 baseline year

AWARDED BRONZE
as part of the Hedgehog Friendly Campus initiative

OVER 75% OF WASTE HAS BEEN RECYCLED ANNUALLY
figure maintained for the last eight years

CO_2 CAR EMISSIONS REDUCED BY OVER 20%
reduced car commute emissions since the inception of our Sustainable Travel Plan

CAMPUS BEES PRODUCED 1,300LBS OF HONEY SINCE 2016
it takes 12 bees to produce one teaspoon of honey, we have around 500,000 in our apiary

SUSTAINABILITY

LOUGHBOROUGH UNIVERSITY IS RECOGNISED AS ONE OF THE UK'S BEST GREEN SPACES

GREEN FLAG AWARD SINCE 2018

CAMPUS MAP

- MAIN ENTRANCE
- STUDENT ACCOMMODATION
- LOUGHBOROUGH STUDENTS' UNION
- SCIENCE AND ENTERPRISE PARK
- 50M SWIMMING POOL
- THE NATIONAL CRICKET CENTRE
- NATIONAL CENTRE FOR SPORT AND EXERCISE MEDICINE
- UNIVERSITY LIBRARY

CAMPUS MAP

Halls of residence

There are 16 undergraduate halls of residence located on (or very close to) campus – each one offering a unique and unforgettable experience.

If you make Loughborough University your firm choice through UCAS and register for accommodation before the deadline, we'll guarantee you a room in University halls for your first year of study. International fee-paying students will be guaranteed accommodation in the same hall for two years of study.

lboro.ac.uk/ug/halls

ALMOST

£50M

INVESTED IN NEW HALLS OF RESIDENCE

VOTED THE

BEST ACCOMMODATION IN THE UK

UNIVERSITY COMPARE TOP 100 UNIVERSITIES 2022

Each bedroom has internet connection, and comes equipped with a bed, desk, chair and noticeboard, as well as plenty of storage and shelves for you to fill with homely belongings. You'll also have access to laundry facilities, bike parks and a common room where social gatherings are held.

You'll be supported by a fantastic Warden and hall committee team who are there to ensure hall life remains a happy and enjoyable place for everyone.

There are seven catered halls and nine self-catered halls at Loughborough. Our catered students love the communal dining experience – the buzz around the table as friends meet and socialise over a homecooked meal. We do our best to offer our students a healthy choice, and we are committed to ensuring all dietary requirements are catered for. Often, campus catering is the more cost-effective option.

Students in self-catered accommodation can purchase discounted meals in any of the dining halls and there are a number of food outlets across campus. Off campus there are several large supermarkets located nearby, including Tesco, Morrison's, Aldi and Sainsbury's.

University accommodation provides the perfect place to start your student journey. Whichever hall community you become part of, we're sure it'll feel like a home-from-home.

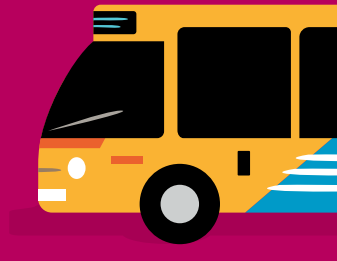
We have lots of students who decide to stay living in halls and continue their excellent hall experience. You are given the option every year of your course to apply to return to halls, however if you decide you would like to live in a house off campus, our friendly accommodation team are able to help you source this too!

lboro.ac.uk/ug/halls

Commuter students

Commuting to University from home can be a great option, giving you the freedom and convenience of campus life alongside your home comforts.

Our central location makes commuting a popular and viable option for students in the local area and surrounding cities, and our fantastic transport links mean you'll never have to miss out on any aspect of university life. You can even affiliate to one of our halls of residence so you can take part in the same sporting and social activities as students living on campus.



lboro.ac.uk/ug/commuter

Sport

Loughborough University's sporting reputation precedes itself, not only because we produce some of the highest performing athletes in the country – but because we've created a supportive and inclusive environment which makes sport accessible to all.

lboro.ac.uk/ug/sport

UNIVERSITY OF THE YEAR FOR SPORT
THE TIMES AND SUNDAY TIMES GOOD UNIVERSITY GUIDE 2022

NO.1 BEST UNIVERSITY IN THE WORLD FOR SPORTS-RELATED SUBJECTS FOR THE FIFTH YEAR RUNNING
QS WORLD UNIVERSITY RANKINGS BY SUBJECT 2021

Performance programmes

We offer world-class performance programmes in a range of sporting disciplines. Those who secure a place on one of our programmes will be supported by a team of expertly-skilled practitioners taking care of all aspects of your performance lifestyle, including nutrition, psychology and physiology. Our athletes will also have access to one of the country's largest and most-equipped strength and conditioning gyms.

Committed performance student athletes can balance the demands of elite sport and academic studies through our unique, flexible support system. Scholarships are also available to our most exceptional student athletes to provide additional financial support.

BUCS

Loughborough have been champions of British Universities and Colleges Sport (BUCS) for 40 years running, and our unbeaten record is something we are extremely proud of. We have over 55 sports clubs for you to participate in and due to the high standards of performance, places are competitive. We actively encourage athlete progression from our social and recreational sports programmes into BUCS teams.

BUCS CHAMPIONS FOR OVER 40 yrs

35 MEDALS WON BY LOUGHBOROUGH-ASSOCIATED ATHLETES IN THE 2020 OLYMPIC AND PARALYMPIC GAMES

HOME TO UNIQUE NATIONAL PERFORMANCE CENTRES IN ATHLETICS, CRICKET, NETBALL, SWIMMING, TENNIS, AND TRIATHLON

OVER 500 HOURS OF FREE RECREATIONAL SPORT (2019-20)*

** for last full academic year pre-COVID 19*

Para sport

Due to the broad and inspiring development opportunities available at our university, Loughborough is home to one of the largest populations of Para athletes in the UK. We aim to empower this community through recreational and performance sport activities and we offer a range of exciting Para sport placements, volunteering and research opportunities.

Social and recreational sport

For those looking to participate in sport on a more casual basis, there are lots of opportunities to help you stay active, have fun and make new friends. These include free, competitive weekly leagues and a series of one day events where you can represent your halls of residence, department and/or student society.

We also offer 'My Lifestyle' which is an inclusive programme that is free from competition, expectation and commitment for students and staff who may be new to sport and exercise.

Coaching and volunteering opportunities

Gain sports industry experience and internationally recognised qualifications with our Coach and Volunteer Academy (CVA). We offer a wide range of opportunities including:

- Coaching and officiating
- Event management
- Sports media, marketing and communications
- Supporting high performance athletes and teams
- Local community projects
- Volunteer Zambia

LOUGHBOROUGH SPORT

Follow Sport at Loughborough

/lborosport
/lborosport
/loughboroughsport

lboro.ac.uk/ug/sport

Loughborough Students' Union

Right at the very heart of our award-winning student experience sits Loughborough Students' Union (LSU) which is run entirely by our students, for our students.

During the day, the Union is a bustling venue and is a popular meeting place for students. Whether you're having coffee with friends or dining in John Cooper's – our very own gastropub, you'll enjoy soaking up the vibrant atmosphere. The Union also comes complete with a Chinese restaurant, a Subway, a hair salon, an opticians, a dental practice, a taxi rank, a pharmacy, and a handy convenience shop selling a wide selection of groceries, beverages and household goods.

By night, the Union transforms into a 4,000-capacity nightclub with three separate rooms that host different events across the week. To ensure fun nights out remain fun, the University, Union, and student advocates such as CASH (Consent and Sexual Health) are working together to continually improve safety and awareness amongst students.

Societies

With over 100 societies to get involved in, you'll be able to find one that's just right for you. Societies are student-run groups that let you explore diverse cultures and faiths, develop hobbies and past times, learn new skills, and meet life-long friends. There is an incredible sense of community in all our societies, which range from Afro-Caribbean through to video gaming.

Volunteering and fundraising

LSU Action volunteers can choose to take on a number of rewarding projects to help the local and wider community. These have included travelling to Nepal and Uganda to rebuild schools and support underprivileged families.

Students can get involved in a variety of fundraising opportunities with LSU Rag, who raise over £1 million every year for local, national and international charities. Recent adventures and challenges include climbing Mount Kilimanjaro and cycling from Paris to London.

Peer-to-peer support

Our Students' Union is home to an outstanding Welfare and Diversity team who are committed to providing a voice to under-represented student groups, while promoting positive health and wellbeing across campus. This section offers friendly and supportive peer-to-peer services such as Nightline and the Ethnic Minorities Network, helping all students to feel a sense of community, belonging and safety.

RANKED 2ND – BEST UNIVERSITIES FOR STUDENTS' UNION
BEST UK UNIVERSITIES 2021, STUDENTCROWD

lboro.ac.uk/ug/lsu

LU Arts

Students are at the heart of the University's extra-curricular arts programme run by LU Arts, with a wide variety of creative activities, events and student opportunities on offer. These are open to all students, regardless of the course you are studying or skill level.

From music and performing arts to creative writing and visual arts, there is something for everyone to discover and enjoy in their spare time. You can get involved in hands-on arts and crafts workshops, take part in open mic nights, sign up to music tuition and creative evening classes, or sit back and relax during special live screenings and talks.

All activities provide great opportunities to learn new skills, gain valuable experience, meet new friends and de-stress.

Facilities on campus include free to use music practice rooms (open 8am-10pm, seven days a week) and a gallery space with a programme of regular lunchtime exhibitions.

LU Arts offers annual awards that recognise, reward and develop talent in any art form including creative writing, music, performing arts and visual arts. Successful applicants can receive a package of support to develop their talent further and these are open to all current students. Details are announced at the start of each academic year.

There are also opportunities to earn money while developing your skills and experience through joining the LU Arts student team or becoming an arts workshop leader. In addition to this there are one-off competitions and projects which offer cash prizes and showcase student work.

"Campus is a community full of amazing, inspiring and fun people and there's a whole range of opportunities to help you grow as a person."

David
Communication and Media Studies BSc

lboro.ac.uk/arts

CAREERS AND EMPLOYABILITY

"My placement year was undoubtedly one of the best experiences, and I know it will prepare me for the competitive world of work."

Grace
Mathematics and Economics BSc

NO.1

IN THE UK FOR EMPLOYER-STUDENT CONNECTIONS AND WITHIN THE TOP 25 GLOBALLY
QS GRADUATE EMPLOYABILITY RANKINGS 2022

AWARDED 5* FOR EMPLOYABILITY
INTERNATIONAL QS STARS SCHEME 2020

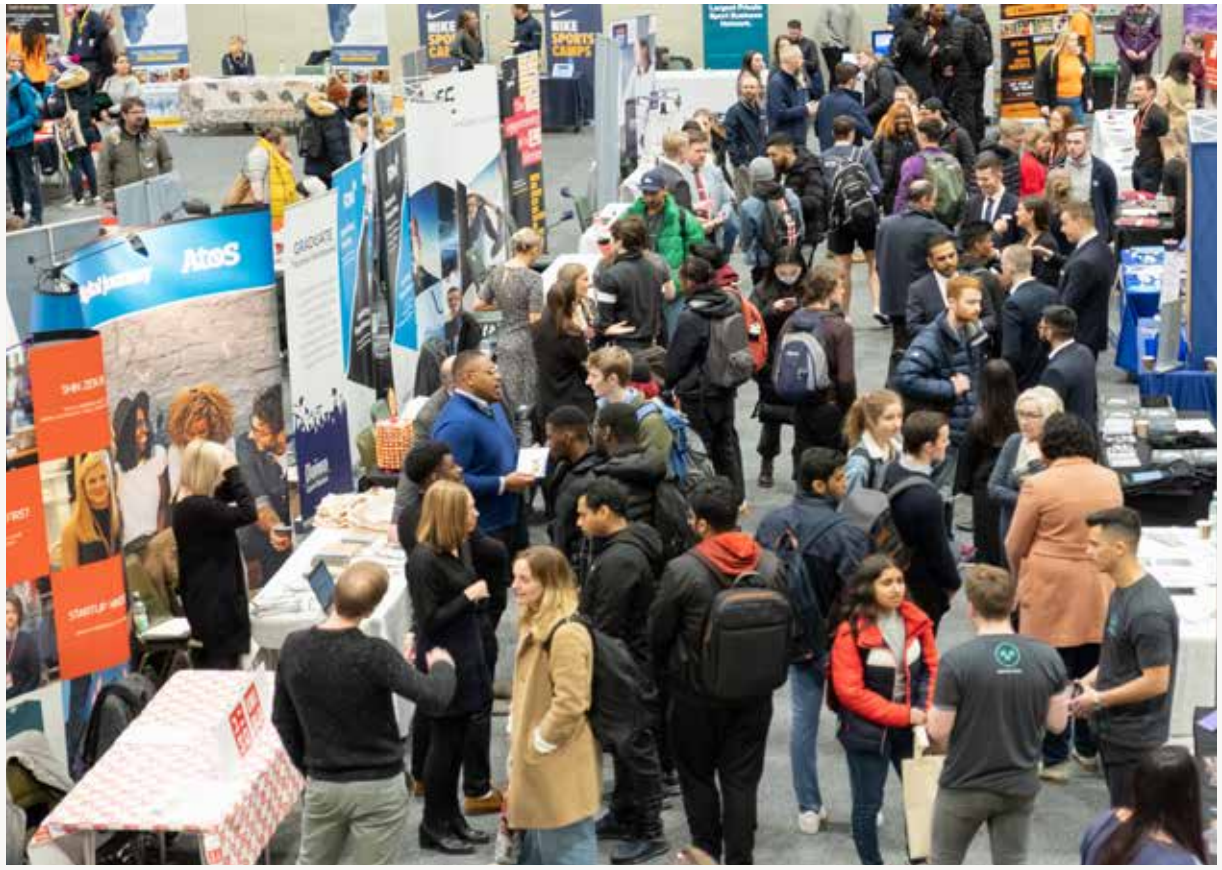
TOP 10

TOP TEN FOR EMPLOYABILITY
UNIVERSITY COMPARE TOP 100 UNIVERSITIES 2022

2ND FOR JOB PROSPECTS
WHATUNI STUDENT CHOICE AWARDS 2020

Careers and employability

With so many skill-enhancing opportunities available, you can build the foundations for an exciting career during your time at University, and with our connections to leading industry employers, there's no doubt you'll be on the path to success.



BARCLAYS · gsk do more feel better live longer · amazon · P&G

Virgin media · ROYAL AIR FORCE REGULAR & RESERVE · Unilever · ORACLE

SAMSUNG · Thames Water · BRITISH AIRWAYS · HM Revenue & Customs

HOME TO ONE OF THE UK'S LARGEST ANNUAL GRADUATE CAREERS FAIRS

PLACEMENT YEAR OPTION ON EVERY UNDERGRADUATE COURSE

Careers Network

Our experienced team works closely with academic schools across the university to ensure that every student has access to outstanding careers advice, coaching, employability support and development opportunities.

Professional support

We provide a wide range of dedicated support, including:

- One-to-one advice and coaching, virtually and in person
- Presentations, workshops and online tools to support career planning, job search and personal development
- Self-help resources on CVs and applications
- Interview coaching and mock assessment centres
- Help securing placements, internships and graduate roles
- Dedicated experts to support students in all things enterprise and innovation
- *Personal Best* – an exclusive skills development programme for Loughborough students

Coaching

Our students and graduates have access to a team of coaches offering tailored, one to one support. Coaching sessions provide opportunities to support them in an objective and non-judgemental way, explore their goals and enable them to reach their full potential. This includes:

- **Careers Coaching:** to explore career options, graduate opportunities and progress career planning.
- **Academic Success Coaching:** to facilitate goal setting and overcoming challenges to enhance academic performance and outcomes.
- **Interview Coaching:** to practise and improve interview technique, provide feedback and build confidence.
- **Business and Enterprise Coaching:** to explore business ideas, develop entrepreneurial skills and provide support to launch a business or freelance career.

Extensive employer connections

As well as hosting one of the largest university careers fairs in the UK, we hold sector-specific events where students can network with employers and Loughborough alumni to help form valuable industry connections and secure high-quality placements and graduate roles.

Tailored and inclusive advice

Passionate about supporting all our students, we offer tailored support and resources for international students, students with disabilities and those from diverse backgrounds.

Inspiring placements

At Loughborough we're keen to make sure our students have the greatest opportunities to improve their future prospects. All our undergraduate courses come with a placement option where students can gain invaluable experience in a real workplace, developing their employability skills and professional networks. Year in Enterprise placements are also available, allowing students to set up and run their own business for the year with specialist coaching and support. Work and study abroad schemes are available on many of our courses, offering the opportunity to travel and explore new countries and cultures.

Enterprising students

Whether you have a business idea, have already started your own venture, or are interested in becoming entrepreneurial, Loughborough Enterprise Network will support you through every stage of your journey. The team works closely with both the Students' Union and the University to create exciting opportunities to help you take your enterprise to the next level, connecting you with experienced alumni and inspiring business networks.

lboro.ac.uk/ug/employability

1 DEVELOP
YOUR ACADEMIC SKILLS

2 STAND OUT
TO FUTURE EMPLOYERS

3 BE THE BEST
VERSION OF YOURSELF

Personal Best

University is all about opening doors to new opportunities that will develop you as a person and transform your future career prospects.

It is a time when you can reflect on your interests, values and ambitions, and determine what career path you would like to pursue.

Created exclusively for Loughborough students, Personal Best offers the chance to develop a portfolio of skills that demonstrate to employers a willingness to engage in a wealth of opportunities at the University. Centred around the University motto – Veritate, Scientia, Labore (with Truth, Wisdom and Labour), students can choose to undertake a range of activities that are designed to encourage academic, professional and personal growth.

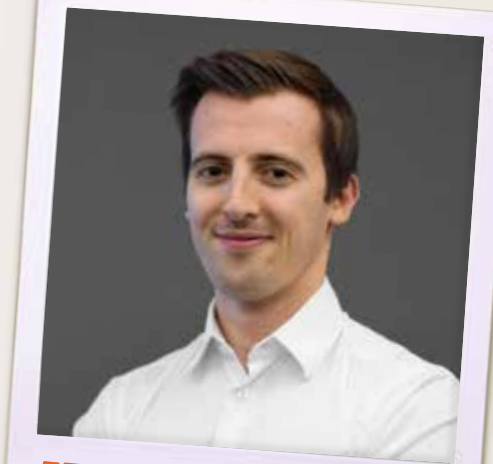
At Loughborough, we inspire all our students to be the best version of themselves and as a University, we strive to create the opportunities for you to reach your full potential, including:

- Extra-curricular activities available through the Students' Union, LU Arts and sport
- Placements, internships and work experience
- Learning support sessions designed to aid study and research

The Personal Best award is a fantastic way for you to record the knowledge and experience you gain in particular skill sets that are attractive to employers.

lboro.ac.uk/ug/personal-best

OUR GRADUATES



FEDERICO

Federico graduated from Loughborough University in 2018 with an MEng in Aeronautical Engineering, and is now a space systems engineer working on the world's first commercial lunar programme.

Federico began his career almost straight away after graduating from Loughborough, completing a placement year at GE Aviation Systems and interning at SES Satellites and Amazon Robotics before starting his current role as space systems engineer at ispace inc.

Federico is currently designing, building and testing a suite of robotic landers and mobile rovers for prospection and exploration of the moon and working with companies such as SpaceX and agencies such as NASA and ESA. As well as a first class Masters from Loughborough, he was also awarded his department's Enterprise Award for outstanding engineering contributions during his placement year at GE Aviation Systems.

"My degree from Loughborough has been instrumental to my past and current work. Thanks to the adaptability and technical acumen I gained here, I was able to span my early career in a variety of fields. Stepping into Loughborough for the first time is something I still remember today, I knew instantly it would be one of my top choices, and after speaking to student ambassadors and professors it secured the top spot on my list! I am thankful to have spent five beautiful years there."

EDEN

"My experience at Loughborough has been invaluable to my career so far; within the textiles department there was a real sense of the sky being our limit as creatives, but also across the campus with sporting achievements creating an infectiously inspiring atmosphere. My course encouraged us to explore the breadth of possibilities and nurture our individuality as designers, giving me the confidence to take the leap as a full-time artist and business owner."

Eden graduated from Loughborough University in 2019 with a degree in Textiles: Innovation and Design (now known as Textile Design) and quickly went on to realise her dream as a full-time artist just one year after graduating.

While the covid pandemic put a halt to Eden's plans of working in a London studio, it didn't stop them altogether. After posting her artwork on Instagram Eden quickly sold a number of paintings and has even gone on to appear on the Sky Arts programme "Landscape Artist of the Year" and turn a number of her paintings into beautiful fabrics and interiors.

Many of Eden's paintings feature landscapes of Jamaica, where her maternal grandparents were originally from. One of which was her entry to the Sky Arts programme which showed her grandmother's ancestral home in Port Antonio. Eden also hosts Art Workshops for the National Trust, connecting people with nature and their own creativity.

Student support

Our friendly and experienced support teams offer an extensive range of services to help you have the most enjoyable university experience.

Moving to university is the start of an exciting new chapter in your life and we are here to provide all the care you need to settle comfortably and safely into life at Loughborough. Whether you're feeling homesick, worried about finances or have ongoing personal challenges, take a look at some of the ways we can support you.

lboro.ac.uk/ug/support

Mental Wellbeing
We have a well-qualified team of Mental Health Advisors and Counsellors to provide you with trusted one-to-one advice and support, and an opportunity to talk and reflect in a confidential space with a professionally trained person who is outside of your immediate situation.

Wellbeing advice
Wellbeing advisors are based in various schools/ departments to offer guidance and support on any issue that is affecting student life, including stress, bereavement or relationship troubles.

Disability and Health
Our dedicated support team offer a tailored service to help our students overcome challenging aspects of teaching, learning, assessments, and general University life.

On-site Medical Centre
The Medical Centre, situated in the middle of campus, offers doctor and nurse appointments for all students, as well as lifestyle checks and advice.

Student Advice and Support Service
We offer advice on student money matters (including student finance, hardship funds, budgeting and dealing with debts), housing advice (including contracts, deposits and repairs) and more. Specialist support is also available for international students including advice and assistance on student visas.

Hall Wardens
Every hall of residence has a team of wardens who provide pastoral and welfare support to students living on campus, while ensuring the environment remains positive and enjoyable for everyone.

Campus security
Our campus is supervised 24 hours a day, all year round by an experienced security team who are on constant look-out for the safety of our students, staff and guests. All security staff are trained first aiders and can assist with a variety of matters.

Academic language support
We have a dedicated team of professionals on hand to provide additional support to students around new academic terms and study skills. Through workshops, online resources and self-access materials, we can help UK, EU and international students to reach their full potential.

Our Language Centre offers different languages (French, Spanish, German, Mandarin) in credit bearing modules so students can continue their languages when they come to university or even start learning a new one!

Mathematics Learning Support Centre
This inspiring learning environment sees experienced mathematics lecturers providing one-to-one drop-in sessions to students in need of some extra coaching. The Centre is open to all courses and is a free to use service.

IT Services
IT services provides round the clock teaching and learning support and offers a wide selection of IT and communication facilities to improve the study experience, including a free copy of Microsoft Office, unlimited data storage and access to specialist software.

"There are so many support services, such as the Mathematics Learning Support Centre, where you can drop in with no appointment and receive help from an academic with a topic that you may be struggling with."

Fern
Bioengineering MEng

lboro.ac.uk/ug/support

OUR VALUES

You've worked extremely hard to make it to this moment and the option to go to university is finally within your reach.

We know the decision of which university to choose can be a very daunting one, so here are a few of the things our students value the most about their experience being part of the Loughborough Family. We hope they help make the decision a little easier for you.

We're a family

Anyone who has a connection to Loughborough has experienced what it means to be part of the Loughborough Family. From incoming freshers experiencing the university for the first time, to the alumni who graduated decades ago – our students are passionate about their university and they are a tight-knit bunch.

"Going to university is a big step, but as soon as you arrive you become a part of the Loughborough Family. We help each other out. There's an amazing atmosphere filled with loving and caring students."

Olivia
Fine Art BA

AWARDED 5* FOR INCLUSIVENESS
INTERNATIONAL QS STARS SCHEME 2020

Stonewall DIVERSITY CHAMPION

Race Equality Charter

You matter

All our staff and students join us with different experiences of the world, varied backgrounds and a range of perspectives... and we really value that. This variety enriches our community, and we explore, discuss and celebrate equality, diversity and inclusion regularly in forums such as the Ethnic Minorities Network and through events like our annual LGBT+ Pride March. We also recognise that there isn't always a level playing field for everyone. We are continually working to address inequality through things like contextual offers, bespoke careers advice and the Student Success Academy, which equips students with the skills they need to overcome any barriers that may be holding them back.

Zero-tolerance to discrimination

Here at Loughborough, we believe our students deserve the freedom to express themselves.

We can help you discover more about yourself through a broad range of support services. These services provide friendly, discrete, and non-judgemental support whenever you need it.

We also operate a zero-tolerance policy towards all types of discrimination, harassment and violence, and celebrate difference.

We're serious about sustainability

We pride ourselves on being a green and sustainable campus. It is home to many different species of plants and provides a wonderful, diverse habitat for wildlife to thrive.

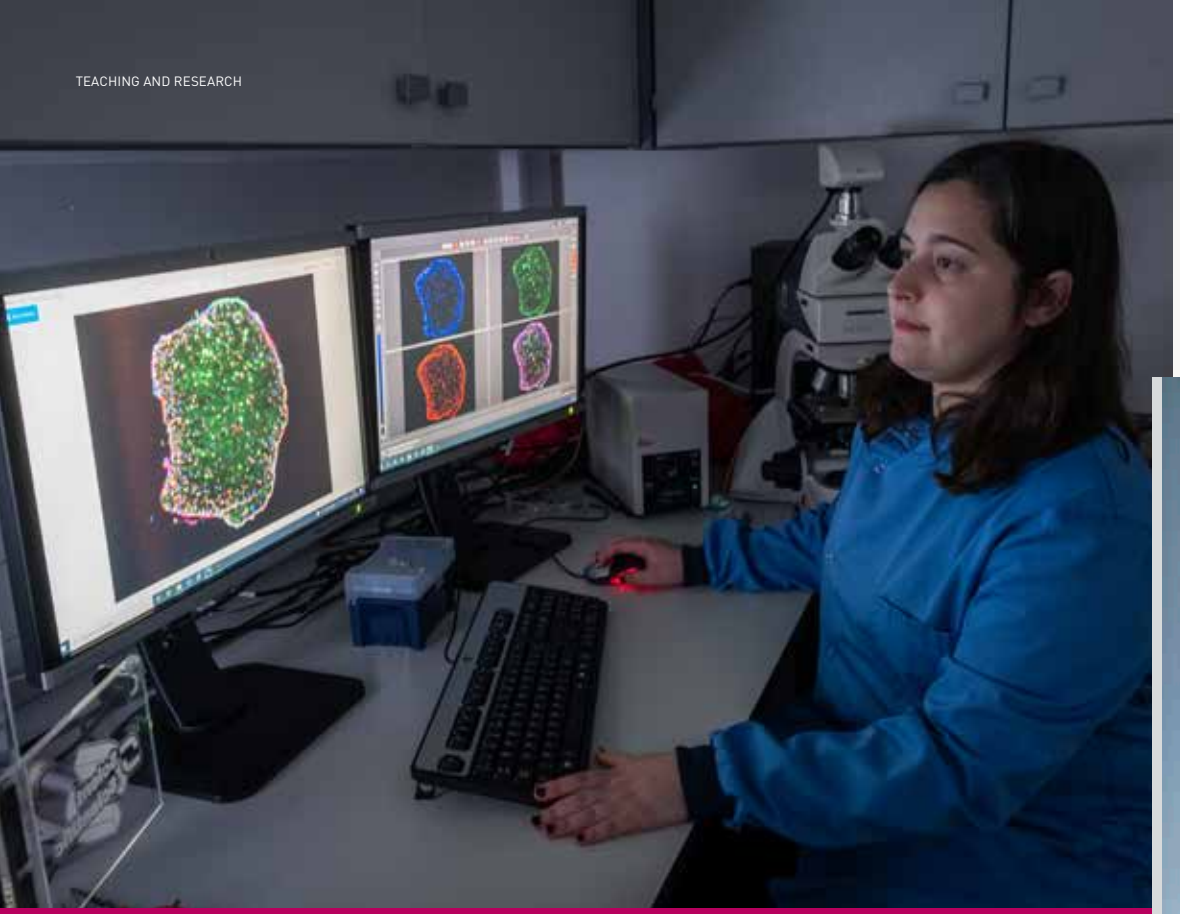
We try to embed sustainability into everything we do at Loughborough and we work with students and staff across the University to promote awareness through campaigns and activities across the year.

Your safety matters to us

Around five and a half thousand students live with us on campus every year. It is a responsibility that we take extremely seriously and we are committed to ensuring that every student feels at home on campus. Every hall of residence is protected by 24 hour security and has its own Fire Officer while our hall warden system provides around-the-clock safety, pastoral and welfare support.

We'll bring out the best in you

Our academics are passionate about their subject area, and enjoy sharing their expertise with our students. Activities during your degree are supported by a network of opportunities and services available in the wider university. These help you better understand your strengths, explore your future, and grow as an individual.



Teaching and research

As one of England's top research-led universities, we attract outstanding academics from all over the world. Many are experts in their chosen field, which means you'll get access to the latest research, insights and discoveries before anyone else.

lboro.ac.uk/ug/teaching

AWARDED 5* FOR TEACHING
INTERNATIONAL QS STARS SCHEME 2020

ONE MEMBER OF ACADEMIC STAFF FOR EVERY 13.4 STUDENTS AT THE UNIVERSITY
THE COMPLETE UNIVERSITY GUIDE 2021

TOP 20 FOR TEACHING QUALITY
THE TIMES AND SUNDAY TIMES GOOD UNIVERSITY GUIDE 2022

TOP 20 – BEST UNIVERSITIES FOR TEACHING QUALITY
BEST UK UNIVERSITIES 2021, STUDENTCROWD

Teaching quality
In recognition of the outstanding quality of teaching we provide, we are placed in the Top 20 for Teaching Quality in the Times and Sunday Times Good University Guide 2022. Loughborough also sits comfortably within the top 50 universities in Europe for its superior standard of teaching.

"The lecturers have a real passion for their subjects and the standard of teaching is excellent. All staff go above and beyond to support your needs."

Emma
Information Technology Management for Business BSc

Research at Loughborough

As one of the country's top 10 research-led universities (Research Excellence Framework 2014), Loughborough is renowned for developing pioneering solutions to global challenges like climate change and public health.

Our innovative research aims to change lives around the world for the better, and we partner with businesses to keep our research as relevant as possible. Here are just a few of our revolutionary projects that are already having a positive impact on society:

TOXI-Triage: Transforming the way society responds to emergency incidents.

Head injury prevention: Raising standards to prevent serious and fatal head injuries in sport.

Repoint: Remodelling rail technology to improve reliability, safety and costs.

Solar nano-grids (SONG): Providing sustainable energy to the poorest of communities.

Disability sport: Developing exercise guidelines for people with spinal cord injuries.

Supporting dementia: Reduce dementia risk for future generations and better the lives of those already suffering.

AWARDED 5* FOR RESEARCH

INTERNATIONAL QS STARS SCHEME 2020

Queen's Anniversary Prizes

To acknowledge the contributions our teaching, research and enterprise activities have made to society and the wider world, Loughborough has received seven Queen's Anniversary Prizes for Higher and Further Education. These esteemed awards represent outstanding educational achievement in areas of service and benefit to the nation – from work in developing countries to improving social policy-related programmes for vulnerable families.

Opportunities for students

Joining a university with such a passion for meeting real-life challenges is incredibly rewarding and there'll be many opportunities for you to help us pave the way with inspiring and cutting-edge projects.

Our vibrant research culture enhances our degree courses and underpins many of our collaborations with business, as well as public and voluntary organisations that result in excellent placement and graduate opportunities.

lboro.ac.uk/research

RANKED 1st

FOR UNIVERSITY FACILITIES

WHATUNI STUDENT CHOICE AWARDS 2020

Our facilities

Our University campus offers world-class facilities for every aspect of university life, providing students with an unparalleled learning and social experience. We are continually investing in state-of-the-art equipment to create the optimal environment for students to reach their potential.

2ND

RANKED 2ND – BEST UNIVERSITIES FOR CAMPUS AND FACILITIES
BEST UK UNIVERSITIES 2021, STUDENTCROWD

£

£350 MILLION HAS BEEN INVESTED IN THE ESTATE OVER THE LAST TEN YEARS
JUNE 2020

lboro.ac.uk/ug/facilities

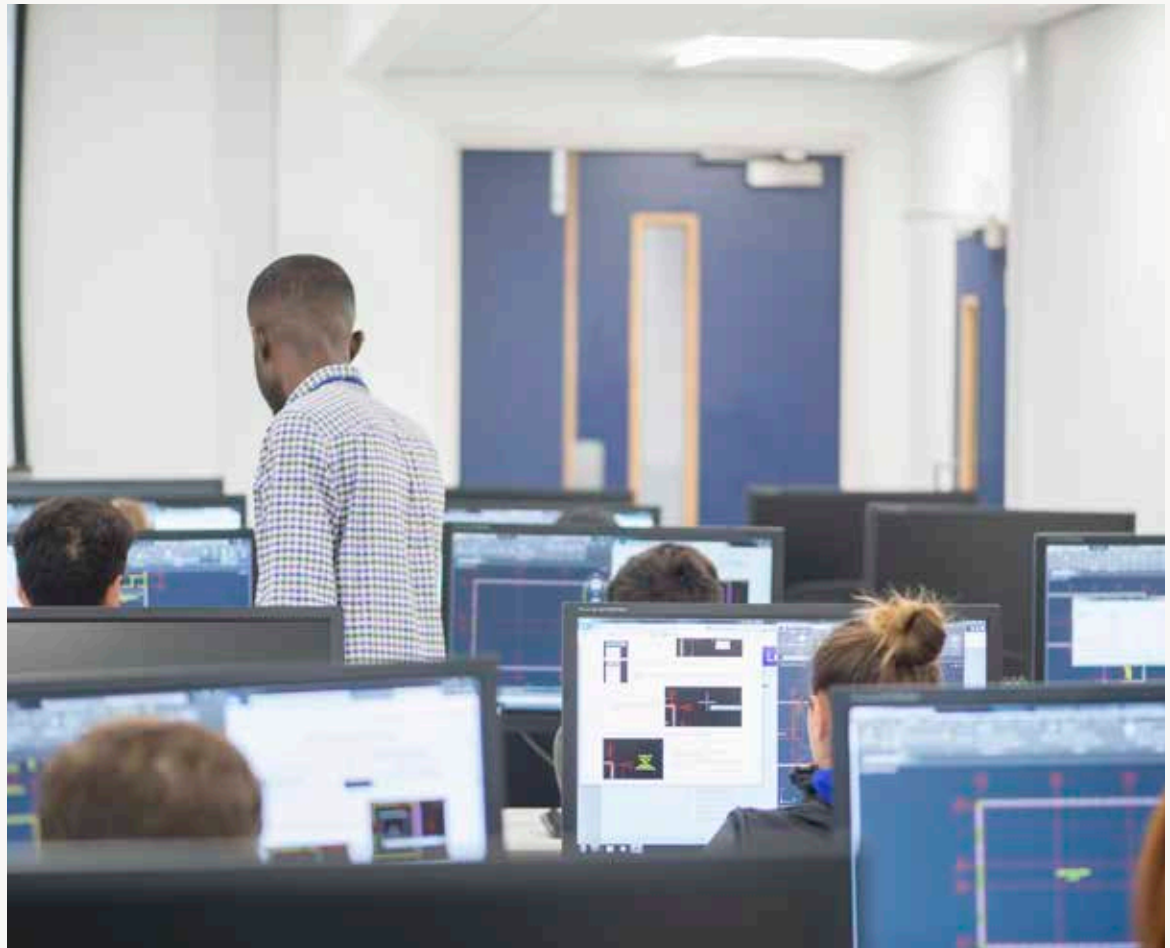
Teaching and learning

Pilkington Library
Our four-storey University Library is the largest open access study space on campus, featuring an extensive collection of books, journals, specialist databases and online resources. Students can benefit from 24/7 opening hours during key revision and exam periods, as well as 1,300 study spaces, 250 desktop computers, an in-house PC clinic and a cafeteria.

STEMLab
STEMLab is a £17 million investment containing the most advanced laboratories, workshops and teaching spaces for science and engineering students. Opened in 2017, the 3,500m^2 STEMLab building forms part of a wider £25 million investment set to transform the University's west side of campus.

AWARDED 5* FOR LIBRARY AND INFORMATION MANAGEMENT
INTERNATIONAL QS STARS SCHEME 2020

AWARDED 5* FOR FACILITIES
INTERNATIONAL QS STARS SCHEME 2020



Sport

50m swimming pool
With its international standard diving blocks, timing systems and scoreboard, our Olympic-sized swimming pool has been hand-selected to be the training base for world leading swimmers. It is also home to the British Swimming National Centre, Loughborough Swimming and British Triathlon Performance Centre.

Powerbase Gym
There are two gyms available on campus, Powerbase Gym and Holywell Fitness Centre. Powerbase is one of the country's largest strength and conditioning gyms which is used by Olympic and Paralympic athletes. Open to staff and students, Powerbase hold an impressive number of free weights, weightlifting platforms and equipment designed to maximise performance and achieve personal goals. There is also a dedicated cardio floor containing exercise bikes, watt bikes, treadmills and rowing machines.

Athletics centre
Our athletics offering includes the Seb Coe High Performance Athletics Centre, Paula Radcliffe Athletics Track and Steve Backley National Throws Centre. This trio of iconic names represents the class that students can expect from our track and field facilities.

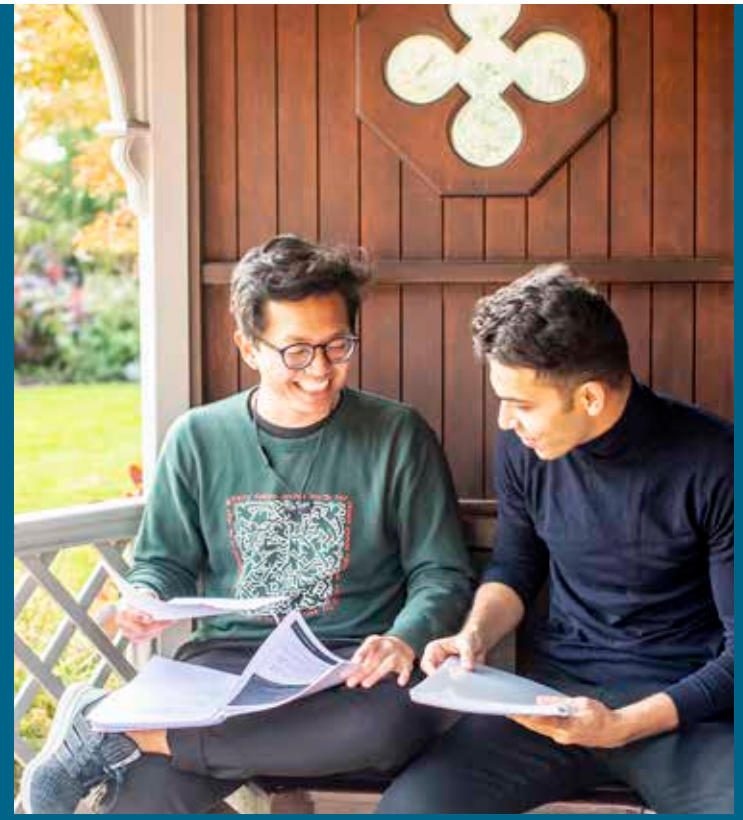
Elite Athlete Centre
The Elite Athlete Centre and Hotel is the first and only of its kind in the UK, offering 20 special altitude-controlled bedrooms that can take athletes from sea level to 5,000m (Everest base camp) in approx. 240 minutes. This fully accessible venue comes complete with a restaurant and café serving carefully balanced dishes prepared by expert nutritionists and chefs.

lboro.ac.uk/ug/facilities

Information for international students

The Loughborough Family is made up of over 18,000 students from 145 different countries – it's our vibrant community that makes our university such an inspiring place to be.

AWARDED 5* FOR INTERNATIONALISATION
INTERNATIONAL QS STARS SCHEME 2020



A home from home
With our warm and welcoming community, and friendly support services helping you adjust to life in the UK, you'll soon feel at home here on campus. For students arriving at London Heathrow Airport on certain days across July, August or September, a free coach service will be waiting to bring you safely onto campus with all your luggage. Once you're settled in, you'll be invited to an induction event where you will have the opportunity to meet with other new students and form those long-lasting friendships.

The Students' Union has an International Students' Network that aims to represent, empower and support our international community through offering a range of cultural and social events. One of the largest and most popular events is our annual International Day which celebrates our campus diversity.

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

Meet our team
Our friendly and knowledgeable team have lots of experience working with students from overseas. They provide a wealth of knowledge and you can connect with them for support, guidance and advice throughout the application process. They also support a worldwide network of representatives who are there to make your journey to Loughborough as smooth as possible.

The International Office
T: +44 (0)1509 222201
E: international-office@lboro.ac.uk

All students should check the latest information online before applying as changes may apply in future years.

Fees and financial support

Tuition fees

2022-23 tuition fees for full-time students from the UK, Republic of Ireland, Isle of Man and Channel Islands are £9,250. Tuition fees for 2023-24 have not yet been confirmed by the UK Government. This applies to all undergraduate and Foundation Studies courses (except Art and Design Foundation Studies and MArch Architecture). Lower fees apply to students on their placement or study abroad year. Fees are reviewed annually and are likely to increase to account for inflationary pressures. Please check our website for more information. Details of the tuition fees for international students can be found online.

Student loans (UK)

You don't need to pay your tuition fees whilst you are studying as you can take out a Government student loan to cover the cost. Payment will then be deferred until you have left the University and are earning a minimum salary. Maintenance loans are also available for UK students to help cover living costs whilst studying. For more information on loan entitlement and value, visit our website.

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. These include:

- Loughborough University Bursary
- Opportunity Scholarships
- Sport Scholarships
- Music Tuition/Scholarships
- Care Leaver Bursary
- International Scholarships

Check online for the most up-to-date information, including details of value, eligibility criteria, and application processes.

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.

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.

TOP 20 – BEST UNIVERSITIES FOR VALUE FOR MONEY
BEST UK UNIVERSITIES 2021, STUDENTCROWD

lboro.ac.uk/study/undergraduate/fees-funding

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 and international students.

APPLYING TO LOUGHBOROUGH

How to apply

For entry in 2023, the application deadline is 25 January 2023. 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.

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.

Selection

Once your application has been received it will be individually assessed for 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 on which courses this is a requirement for can be found online.

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.

Contextual admissions

The University's admissions process uses contextual information to provide insight 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/contextual-admissions

Offer holders

If you are offered a place, you will receive a communication setting out any conditions attached to the offer. Your offer will also be available to view on the UCAS Hub.

If you have not attended an interview, then you will be invited to attend a post-offer visit day, which is a great opportunity to visit the campus and find out more about your course and the University.

lboro.ac.uk/ug/apply

**With the exception of Art and Design Foundation Studies and Architecture MArch, where applications are made directly to the University.*

Entry requirements

Loughborough accepts a wide range of qualifications for entry.

The following information details our typical requirements. This should be read in conjunction with the information given for each course.

GCSE

We normally expect applicants to have a minimum of grade 4/C in GCSE English Language and, for most courses, GCSE grade 4/C 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 requirements. An applicant's overall GCSE grade profile is also considered alongside the specific GCSE requirements listed.

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.

We believe that practical skills in science are important to aid understanding of the relevant subjects. While we do not widely include the passing of the practical skills element in the conditions of an offer, it is our expectation that this element will be successfully completed. Where the practical skills element is required, this is stated in the typical offers listed for the course.

Extended Projects (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.

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.

We are happy to consider Mathematics: Analysis and Approaches (AA) and Mathematics: Applications and Interpretation (AI) as being suitable to meet our GCSE (SL equivalent) and A level (HL equivalent) maths requirements.

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.

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.

Access to HE Diploma

An Access to HE Diploma in a relevant subject area is considered suitable for entry to many of our courses where prospective students have been out of full-time education for a number of years. 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.

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 most of our degree courses. National 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 most 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.

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.

University of the Arts London (UAL) Level 3 Qualifications

Some UAL Level 3 qualifications in Art and Design are considered for entry onto Creative Arts and Design courses. Further information on the qualifications considered and the level of achievement required can be found in our online prospectus.

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

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.

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 Studies programme. Entry requirements for this can be found at:
lboro.ac.uk/ug/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 4/C 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 for 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 requirements can be found at the link below.
lboro.ac.uk/ug/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 entry onto your chosen course.

E: **admissions@lboro.ac.uk**
T: **+44 (0)1509 274403**

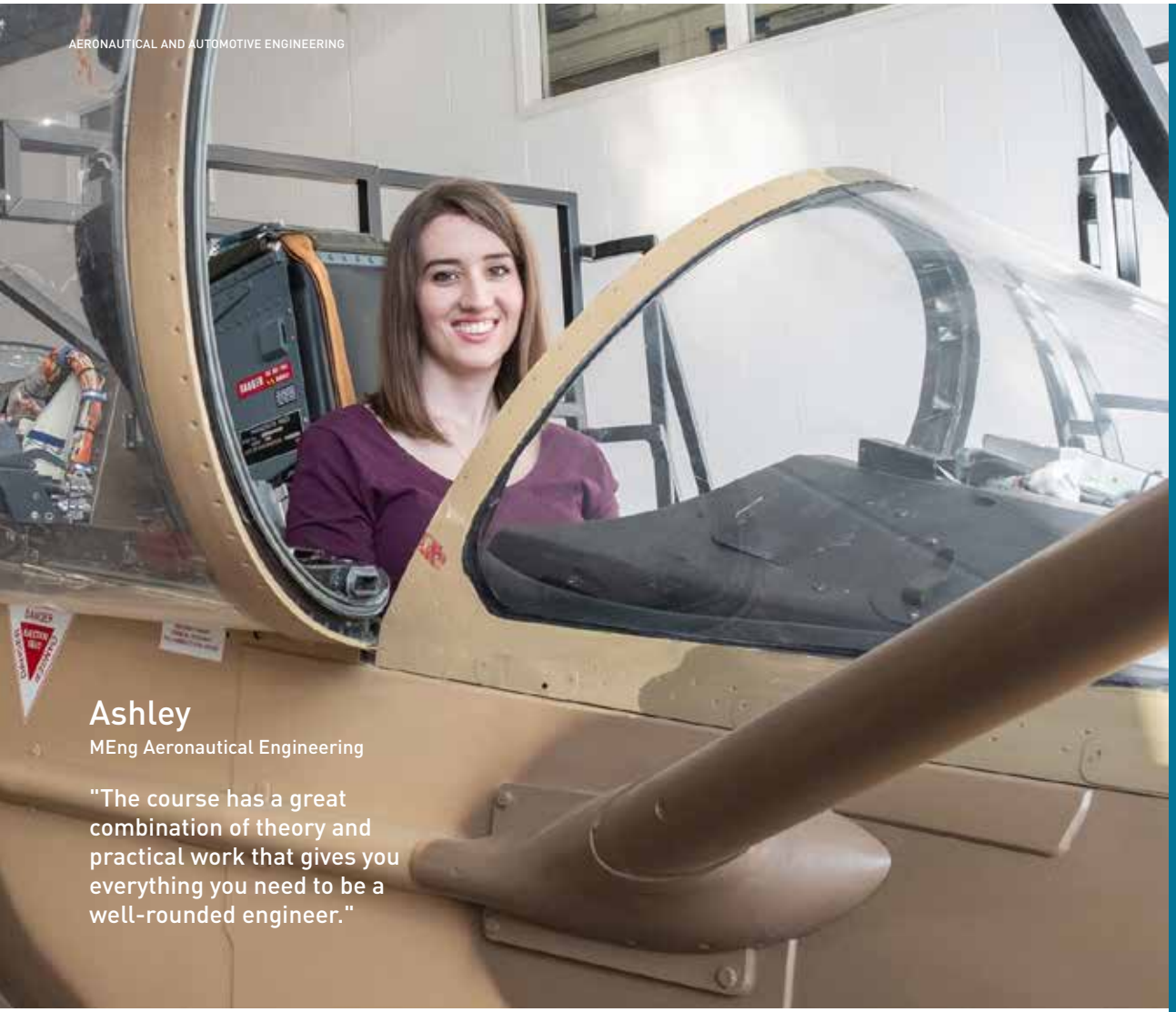
OUR SUBJECT AREAS

OUR SUBJECT AREAS

A WORLD-CLASS EDUCATION

OUTSTANDING FACILITIES

PLACEMENT OPPORTUNITIES



Ashley

MEng Aeronautical Engineering

"The course has a great combination of theory and practical work that gives you everything you need to be a well-rounded engineer."

Courses

You may also be interested in...

Our courses are accredited by:

Institution of Mechanical Engineers

Royal Aeronautical Society

Aeronautical Engineering and Automotive Engineering

Why choose Aeronautical Engineering or Automotive Engineering at Loughborough?

On our Automotive Engineering or Aeronautical Engineering courses, you will be able to specialise in subjects that are vital to the future of air and vehicle engineering. You can study topics such as Autonomous Vehicles (road or air), Battery Technology, Vehicle Dynamics, Experimental and Computational Fluid Dynamics and many others. These subjects are underpinned by the fundamentals of engineering and analysis techniques, equipping you for a career not only in the aeronautical and automotive sectors, but many others too.

As part of the course, Aeronautical students gain experience of testing and flight procedures by undertaking a flight test course, which includes up to four flights in an aircraft equipped as a flying laboratory. Automotive students take part in vehicle testing at the HORIBA MIRA proving ground, learning about vehicle handling, off-road dynamics, noise certification, braking performance and wet weather driving.

Research focused teaching

Our team of international experts bring their cutting-edge research directly into the taught curriculum. Our teaching staff are engaged in exciting research into air and ground vehicle engineering which ensures our courses are relevant and up-to-date, with a real-world focus. We combine outstanding facilities, superb teaching and strong links with industry to make sure you are ready for your future career.

Placement year and study abroad

A year in industry, applying knowledge to real problems and gaining an insight into the field of engineering, is exceptionally valuable and is a considerable advantage in the search for graduate employment. Our courses also provide an opportunity to study abroad, leading to the award of a Diploma in International Studies.

Employability

Our graduates work in many fields related to the aeronautical and automotive industries. Motorsport is a popular graduate destination with our graduates now working with many of the Formula One teams. However, our graduates' skills are also valued beyond these industries, in other areas of engineering, consultancies and the financial sector.

Facilities

Our £14 million state-of-the-art facilities allow you to use some of the UK's best aeronautical and automotive equipment. We have extensive laboratories and facilities including a 6-axis of motion ground vehicle and aircraft simulator, wind tunnels, anechoic chamber, indoor UAV testing, composite material manufacture, structures testing laboratory, gas-turbine engines, powertrain test laboratory, high and low temperature fuel cell testing facilities and numerous instrumented test vehicles. We even have a Hawk aircraft on display in our building.

TOP 10

TOP 10 IN UK FOR AERONAUTICAL AND MANUFACTURING ENGINEERIING
THE TIMES AND SUNDAY TIMES GOOD UNIVERSITY GUIDE 2022

TOP 10 IN UK FOR MANUFACTURING AND PRODUCTION ENGINEERING
THE COMPLETE UNIVERSITY GUIDE 2022

TOP 100

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

£

AVERAGE STARTING SALARY £28,000
*GRADUATE OUTCOMES SURVEY 2018 GRADUATES**

UNDERTAKE A YEAR IN INDUSTRY AND GAIN AN ADDITIONAL AWARD OF DIPLOMA IN INDUSTRIAL STUDIES (DIS)

lboro.ac.uk/ug/aae

** Average salary 15 months post-graduation – UK domiciled, first degree students completing Aeronautical Engineering and Automotive Engineering degrees.*

Aeronautical Engineering

MEng (Hons) DIS/DIntS/DPS*: 5 years full-time with placement year
UCAS code: H402

MEng (Hons): 4 years full-time
UCAS code: H403

BEng (Hons) DIS/DIntS/DPS*: 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
IB: (MEng) 38 (7,6,6 HL) including HL Maths and Physics with 7 in Maths or Physics / (BEng) 35 (6,6,5 HL) including HL Maths and Physics
BTEC Level 3 National Extended Diploma: (BEng only) DDD in a relevant subjects plus A level Maths grade B (for other combinations please refer to the online prospectus)
GCSE: English Language grade 4/C

This course will prepare you for a career tackling challenges in aviation from day one, such as finding environmentally sustainable methods of propulsion, to increasing automation that allows unmanned aircraft to accomplish an ever-increasing range of tasks.

Year 1

Areas studied include aircraft systems and performance, introduction to aircraft design, thermodynamics, mechanics, materials and manufacturing.

Year 2

Areas studied include fixed and rotary wing aircraft performance, low and high-speed aerodynamics, turbomachinery, control engineering, electrotechnology, structural design, and reliability assessment.

Optional placement/study abroad year

Optional industrial placement and/or overseas study.

Year 3

Areas studied include aircraft and gas turbine design, sensor fusion, spacecraft engineering, and computational fluid dynamics. BEng students will undertake their individual project.

Year 4 (MEng only)

You will carry out a major individual project working on a real-world engineering challenge, a group design project, and topics such as autonomous vehicles or experimental fluid mechanics.

Graduate destinations

Airbus, BAE System, British Airways, Caterpillar, Cummins, Dyson, GKN Aerospace, Jaguar Land Rover, JCB, Leonardo Helicopters, Lockheed Martin, Marshall Aerospace, RAF, and Rolls-Royce.

**Diploma in Industrial/International/Professional Studies*

Automotive Engineering

MEng (Hons) DIS/DIntS/DPS*: 5 years full-time with placement year
UCAS Code: H342

MEng (Hons): 4 years full-time
UCAS code: H343

BEng (Hons) DIS/DIntS/DPS*: 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
IB: (MEng) 38 (7,6,6 HL) including HL Maths and Physics with 7 in Maths or Physics / (BEng) 35 (6,6,5 HL) including HL Maths and Physics
BTEC Level 3 National Extended Diploma: (BEng only) DDD in a relevant subjects plus A level Maths grade B (for other combinations please refer to the online prospectus)
GCSE: English Language grade 4/C

The automotive industry is changing rapidly, with an emphasis on digital engineering, electric propulsion and increasingly autonomous driving using artificial intelligence. The course introduces these concepts, as well as the fundamentals underpinning them, from year one.

Year 1

Areas studied include vehicle design and development, thermodynamics, mechanics, materials and manufacturing, ensuring an emphasis on automotive engineering principles from day one.

Year 2

Areas studied include vehicle loading suspension, advanced powertrain systems, ground vehicle aerodynamics, electrotechnology, control engineering, machine elements and automotive materials and systems reliability assessment.

Optional placement/study abroad year

Optional industrial placement and/or overseas study.

Year 3

Areas studied include sensor fusion, vehicle dynamics and simulation, battery technology and computational fluid dynamics. BEng students will undertake their individual project.

Year 4 (MEng only)

You will carry out a major individual project working on a real-world engineering challenge, a group design project, and autonomous vehicles or vehicle handling.

Graduate destinations

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

**Diploma in Industrial/International/Professional Studies*

Placement opportunity · Study abroad · Additional award · Accredited course

Sammy

MEng Civil Engineering

"I have always been intrigued by the work of civil engineers who design and create a variety of infrastructures for dozens of cities. I desire to be one of them, utilising the skills from this course to improve people's quality of life, especially in newly emerging economies."

Courses

You may also be interested in...

Our courses are accredited or in the process of seeking accreditation by:

Architects Registration Board, CIBSE, CIHT, CIOB, chartered ices, EUR-ACE, ice, IHE Institute of Highway Engineers, The Institution of Structural Engineers, Permanent Way Institution, RIBA, RICS, RTPI Chartered Town Planners

Architecture, Building and Civil Engineering

Why choose to study at the School of Architecture, Building and Civil Engineering at Loughborough?

Our vision is to be the world's leading integrated centre for built environment research and education dedicated to supporting an equitable, diverse, and inclusive environment – to create a better world, together.

Society today, and increasingly in the future, requires an integrated built environment in which buildings and infrastructure work together to support our evolving ways of life and increasing urbanisation in a sustainable way. This requires the multitude of construction professions to be adept at forming project teams that combine their expertise to provide sustainable solutions to increasingly complex challenges.

Our graduates will shape this future world, planning urban environments, designing buildings resilient to climate change, and managing the construction and maintenance of homes, infrastructure and transport systems. This requires an understanding and appreciation of the people and processes that contribute to the whole construction cycle that you can only acquire by studying in an integrated School such as ours. During your degree, you will develop first-hand experience of working in interdisciplinary teams by collaborating with students from different courses across the School.

Employability

Our courses provide you with diverse skill sets that include time-management, communication, teamwork, leadership, problem solving, critical thinking and analysis. These transferrable skills, combined with your deep, subject-specific expertise, ensure you are highly sought after by employers.

Facilities

The School houses its own design studios and computer laboratory to support our specialist teaching. At over 3,000m^2, our open-plan research and teaching laboratory is one of the largest in the UK, benefiting from £1 million in refurbishment and new equipment in the last five years. It houses brand new digital fabrication and mixed-reality design suites, 3D printers, laser cutters, state-of-the-art robotic arms, group workspaces and dedicated technical support staff.

Placement year and study abroad

Our strong links with industry and academia will help you to secure a placement year or undertake a study abroad year. The placement year provides an enhancement of your skills, real-world experiences, and improved employability, leading to the recognised additional award of Diploma in Industrial Studies (DIS) or Diploma in Professional Studies (DPS). Our study abroad scheme offers invaluable insight into another culture, broadening your skills and experiences for up to one year, and allows you to obtain the additional award of Diploma in International Studies (DIntS).

TOP 100 IN WORLD FOR ARCHITECTURE AND BUILT ENVIRONMENT
QS WORLD UNIVERSITY RANKINGS BY SUBJECT 2021

1ST IN UK FOR GRADUATE PROSPECTS IN BUILDING
THE TIMES AND SUNDAY TIMES GOOD UNIVERSITY GUIDE 2022

1ST IN UK FOR GRADUATE PROSPECTS IN ARCHITECTURE
THE TIMES AND SUNDAY TIMES GOOD UNIVERSITY GUIDE 2022

2ND IN UK FOR BUILDING
THE TIMES AND SUNDAY TIMES GOOD UNIVERSITY GUIDE 2022

TOP 10 IN UK FOR TOWN AND COUNTRY PLANNING
THE TIMES AND SUNDAY TIMES GOOD UNIVERSITY GUIDE 2022

TOP 10 IN UK FOR GRADUATE PROSPECTS IN CIVIL ENGINEERING
THE TIMES AND SUNDAY TIMES GOOD UNIVERSITY GUIDE 2022

ATHENA SWAN BRONZE AWARD COMMITMENT TO GENDER EQUALITY

lboro.ac.uk/ug/abce

Architecture BArch

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

Typical offers
A level: AAA (a mix of Science, Art and Humanities subjects preferred)
IB: 37 (6,6,6 HL) with 4 at SL Maths
BTEC Level 3 National Extended Diploma: D*DD in a relevant subject (for other combinations please refer to the online prospectus)
GCSE: Maths and English Language grade 4/C
Plus a portfolio submission and interview

This innovative course aims to nurture creative design leaders who flourish in architectural practice, with first-rate communication and management skills, as well as multidisciplinary knowledge and abilities. The course aims to produce exceptional architects through an education that is immersed in hands-on experiences.

Every year, we hold an End of Year Show to celebrate the year's achievements and showcase student work to practitioners interested in hiring our students and graduates.

Our course is accredited by the Royal Institute of British Architects (RIBA) and the Architects Registration Board (ARB), exempting you from their Part I exam. Transfer onto our extended MArch programme may be possible upon completion of this degree to take a step towards professional chartership as an architect.

Year 1
Areas studied include creative exploration and concept development, manual and digital architectural representation, architectural and art history, construction materials, methods and structures, and building science and performance.

Year 2
Areas studied include medium-scale design projects, advanced design skills, building performance analysis, critical and urban theory, and professional practice skills in preparation for your placement year.

Compulsory placement/study abroad year
Leading to DPS/DIntS*.

Final year
Areas studied include large-scale urban interventions and community-based propositions, global culture and practice, adaptive reuse, business practices for operating a small design practice, and a research dissertation.

Graduate destinations
Adjaye Associates, David Morley Architects, Gensler, Aukett Swanke Architects, Holmes Miller Architects, Chapman Taylor, Murphy Phillips, and Glancy Nicholls.

**Diploma in Professional/International Studies*

Architecture MArch

MArch designed to include Part 2 exemption from RIBA qualification: 2 years full-time with work-based learning

Typical offers
A 2:1 honours degree or equivalent international qualification in RIBA Part I and a portfolio submission and interview

Experienced architects are asked to translate the complex needs of others into three-dimensional solutions and to respect the world whilst imagining one that does not yet exist. They operate as collaborative design leaders to ensure buildings are designed to meet the needs of society's broader challenges.

This course brings together the knowledge and skills learnt in our highly esteemed BArch course with the very latest thinking and technologies in architecture to encourage students to lead innovations that build our global future. The MArch benefits from a newly refurbished studio space at our Loughborough campus and also takes advantage of Here East in London for block-week teaching.

You will be able to deliver comprehensive design propositions that integrate theory and practice. Coursework focuses on project-based design work, physical and spatial installations, visual essays, and speculative and reflective writings on architectural theory and practice. Students will have the opportunity to define their own design problem in agreement with their tutor and in response to contemporary challenges.

The programme is designed to meet the requirements of a Part 2 qualification in Architecture, in line with the Architects Registration Board (ARB) and the Royal Institute of British Architects (RIBA)'s accreditation processes, which will be sought at the time of the first graduating cohort.

Year 1
Year 1 is a flexible learning year with block-release teaching offering students the opportunity to choose from a work-based or research-led pathway. Areas studied include advanced design studio, reflective practice, contemporary cities, and transdisciplinary design.

Final year
The focus will be on a research-led design module that will integrate the Research Dissertation and Global Futures modules as part of a holistic, sustainable and entrepreneurial approach to architectural design.

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

Architectural Engineering

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

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

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

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

Typical offers
A level: AAB (MEng) / ABB (BEng) including Maths
IB: (MEng) 35 (6,6,5 HL) / (BEng) 34 (6,5,5 HL) including Maths at HL
BTEC Level 3 National Diploma: DD plus A level Maths grade A (MEng) / B (BEng) (for other combinations please refer to the online prospectus)
GCSE: English Language grade 4/C

This multidisciplinary, design-led course combines the creativity of architecture with the rigour of engineering. You will develop knowledge in spatial design, structural forms and smart materials, to achieve building energy performance for a sustainable future. Students on the MEng course have the opportunity to go on a study trip to a European city.

Year 1
Areas studied include principles of architectural design, materials for construction, structural forms and analysis, analytical and mathematical methods, fluid mechanics, and professional skills.

Year 2
Areas studied include heat transfer and thermodynamics, architecture and design, integrated design project, geotechnics, and structural design.

Optional placement/study abroad year
Leading to DIS/DIntS*.

Year 3/4
Areas studied include an advanced integrated design project, building thermal and electrical systems, renewable energy technology, sustainable heat generation, conservation and refrigeration, construction law, and a research project in a specialised area.

Final year (MEng only)
Areas studied include manufacturing and energy systems, architectural studies, and an advanced integrated design project.

Graduate destinations
Arup Group, Buro Happold, Foster + Partners, Atelier 10, Techniker, Faulkner Browns, Teuffel Engineering, Balfour Beatty, Kier, and Wates.

**Diploma in Industrial/International Studies*

Civil Engineering

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

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

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

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

Typical offers
A level: AAB (MEng) / ABB (BEng) including Maths and preferably a second science
IB: (MEng) 35 (6,6,5 HL) / (BEng) 34 (6,5,5 HL) including Maths and preferably a second science at HL
BTEC Level 3 National Diploma: DD plus A level Maths grade A (MEng) / B (BEng) for other combinations please refer to the online prospectus
GCSE: English Language grade 4/C

Civil Engineering involves the planning, design, construction and maintenance of our built environment. Our fully accredited course is both technically rigorous and grounded in industry-relevant knowledge and skills.

Year 1
Areas studied include fluid mechanics, design and construction, engineering materials, mathematics and programming, structural analysis and mechanics, sustainable design, surveying, and professional practice and skills.

Year 2
Areas studied include geotechnics, hydraulics, construction contracts and management, health and safety, surveying, mathematics, structures, and field courses.

Optional placement/study abroad year
Leading to DIS/DIntS*.

Year 3/4
Areas studied include project management, structural and geotechnical design, construction, a teamwork and leadership field course, a sustainable design project, and an individual research project, plus an optional choice in a specialist technical area.

Final year (MEng only)
Areas studied include a large teamwork design project, environmental and geotechnical modelling, structural dynamics, management, and some choices of specialist options.

Graduate destinations
AECOM, Arup, Arcadis, Atkins, BAM, Costain, Eurovia, Galliford Try, Graham, Kier, Laing O'Rourke, Lendlease, Network Rail, and Severn Trent.

**Diploma in Industrial/International Studies*

Commercial Management and Quantity Surveying

BSc (Hons) DIS/DIntS*: 4 years full-time with placement year
UCAS code: HK22

BSc (Hons): 3 years full-time
UCAS code: 1K38

Typical offers
A level: BBB or ABC
IB: 32 (5,5,5 HL)
BTEC Level 3 National Extended Diploma: DDM in a relevant subject
GCSE: Maths and English Language grade 4/C

This accredited course specialises in the contractual and financial aspects of managing construction projects. Commercial Managers and Quantity Surveyors manage costs, cashflows and contracts from early design plans through to completion, ensuring that projects meet requirements, commercial risks are managed effectively, conflicts are avoided and clients obtain good value for money.

This course is actively supported by the Loughborough Construction Consortium, a network of construction companies that offer sponsorship opportunities, work placements, graduate roles and practical experience in the form of site visits and guest speakers.

Year 1
Areas studied include professional practice and skills, construction technologies for buildings, the role of materials and structures in construction, the legal and economic context of construction, and site surveying and measurement.

Year 2
Areas studied include construction technologies for infrastructure, mechanical and electrical services, contract administration, law and procurement, planning, estimating and cost management, construction finance and risk, and the measurement of complex structures.

Optional placement/study abroad year
Leading to DIS/DIntS*.

Final year
Areas studied include construction contracts; strategic commercial management; the management of people, projects and organisations; project definition and optimisation; advanced estimating and planning; construction contracts; and a research dissertation.

Graduate destinations
BAM Construct, Lendlease, Morgan Sindall, Skanska, Laing O'Rourke, Taylor Woodrow, VINCI Construction, Vale Southern Construction, and Walter Lilly.

**Diploma in Industrial/International Studies*

Construction Engineering Management

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

BSc (Hons): 3 years full-time
UCAS code: 7K28

Typical offers
A level: BBB or ABC
IB: 32 (5,5,5 HL)
BTEC Level 3 National Extended Diploma: DDM in a relevant subject
GCSE: Maths and English Language grade 4/C

This accredited course provides the best foundation for a career in construction project management, providing the underpinning technical and managerial knowledge and transferable skills. The course provides students with a broad competency to work on various phases of the design and construction process.

This course is actively supported by the Loughborough Construction Consortium, a network of construction companies that offer sponsorship opportunities, work placements, graduate roles and practical experience in the form of site visits and guest speakers.

Year 1
Areas studied include professional practice and skills, construction technologies for buildings, the role of materials and structures in construction, the legal and economic context of construction, and site surveying and measurement.

Year 2
Areas studied include construction project delivery, construction technologies for infrastructure, mechanical and electrical services, contract administration, law and procurement, sustainable building design and planning, estimating and cost management.

Optional placement/study abroad year
Leading to DIS/DIntS*.

Final year
Areas studied include the management of people, projects and organisations; teamwork and leadership; advanced construction; advanced estimating and planning; maintenance repair and refurbishment; project definition and optimisation; and a research dissertation.

Graduate destinations
Kier, Taylor Woodrow, Arcadis, Lendlease, Morgan Sindall, Simons Construction, Skanska, VINCI Construction, and Walter Lilly.

**Diploma in Industrial/International Studies*

Urban Planning

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

MPlan (Hons): 4 years full-time
UCAS code: K420

BSc (Hons) DIS/DIntS*: 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)
BTEC Level 3 National Extended Diploma: D*DD (MPlan) / DDD (BSc) in a relevant subject
GCSE: Minimum 5 grades 9-4 (A*-C) including Maths and English Language grade 4/C

This course has been designed to develop successful professional planners, with a particular focus on innovative digital and data skills. You will gain a broad understanding of the role of planning in overcoming urban challenges and having a positive impact on society.

Year 1
Areas studied include the principles and role of urban planning, the fundamentals of understanding space through urban analytics and spatial analysis, contemporary issues of planning, and design and professional skills.

Year 2
Areas studied include place making and urban design, principal research methods, environmental management, and analysis skills.

Optional placement/study abroad year
Leading to DIS/DIntS*.

Year 3/4
Areas studied include urban mobility, key urban planning theories and policies, a week-long field trip at our Loughborough London campus, and a research dissertation on a chosen topic.

Final year (MPlan Only)
You will develop advanced skills in specialist knowledge areas of planning such as transport and infrastructure. Our MPlan year also includes a European field trip and large-scale integrated design project.

Graduate destinations
Urban Planning graduates are in high demand across organisations in development management, planning consultancies and property development, local and national governments, and the third sector.

**Diploma in Industrial/International Studies*

Fern

MEng Bioengineering

"Bioengineering is an emerging field and I wanted to be part of a course that I could watch evolve. It makes a difference in the quality of people's lives and improves the future."

Courses

Bioengineering

Why choose Bioengineering at Loughborough?

Bioengineering is all around us, even though we might not always see it. A cutting-edge, multidisciplinary subject, it bridges the gap between medicine and engineering for the enhancement of human health, sport and lifestyle. Artificial organs and limbs, orthopaedic implants, computer simulation for surgery, medical imagery, and image-guided robot surgery are just some of the ways bioengineers aid the health of future generations.

By applying engineering practices and expertise, bioengineering aims to solve complex biological and healthcare challenges. It plays an integral role in global issues by helping to develop innovative biomedical tools and processes to improve human health and the delivery of quality clinical practice.

Employability

Bioengineering is a growing sector and we expect our graduates to be in high demand since the subjects covered relate to a wide area of engineering and manufacturing activity across many industrial sectors.

Graduate roles span research and development, technical specialist, production, project and research management, through to business and enterprise development.

In line with the Institute of Mechanical Engineers (IMechE) review process, Bioengineering is undergoing accreditation to ensure it offers professional registration opportunities. Teaching and research is shaped by industry and partner feedback, ensuring that our graduates are well prepared for the everchanging global jobs market.

Placement year and study abroad

All students are given the option to complete a placement year in industry, either in the UK or overseas, where you will also get the chance to work towards an additional qualification to your degree. This year of practical work gives you a clearer understanding of the industry, helping with the later stages of your study and deciding your future career direction. Our courses also provide an opportunity to study abroad, leading to the award of a Diploma in International Studies.

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 environment.

We have recently renovated the facilities in S-Building, home to our Bioengineering course. Among our facilities for students is a new floor of biological engineering research and equipment, as well as a new 87-seater IT laboratory for taught sessions, project work and private study.

TOP 5

TOP 5 IN UK FOR MEDICAL TECHNOLOGY AND BIOENGINEERING
THE COMPLETE UNIVERSITY GUIDE 2022

TOP 5 IN UK FOR MATERIALS TECHNOLOGY
*THE TIMES AND SUNDAY TIMES GOOD UNIVERSITY GUIDE 2022**

TOP 10

TOP 10 IN UK FOR GENERAL ENGINEERING
THE GUARDIAN UNIVERSITY GUIDE 2022

INTERNATIONALLY RENOWNED TEACHING FROM LOUGHBOROUGH'S SPORT, EXERCISE AND HEALTH SCIENCES EXPERTS

UNDERTAKE A YEAR IN INDUSTRY AND GAIN AN ADDITIONAL AWARD OF DIPLOMA IN INDUSTRIAL STUDIES (DIS)

lboro.ac.uk/ug/bioeng

** Our Bioengineering course is based within the Department of Materials and benefits from its teaching and facilities.*

Bioengineering

MEng (Hons) DIS/DPS/DIntS*: 5 years full-time with placement year
UCAS code: H163

MEng (Hons): 4 years full-time
UCAS code: H162

BEng (Hons) DIS/DPS/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) or AAB (BEng) including Maths. Plus one from Chemistry, Biology and Physics
IB: (MEng) 37 (6,6,6 HL) / (BEng) 35 (6,6,5 HL) including HL Maths 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
GCSE: English Language grade 4/C

Bioengineering is a cutting edge, multidisciplinary field that applies engineering and technology principles to biological and medical problems with the aim of improving human health.

Year 1
Areas studied include anatomy and physiology, engineering science, mathematical and computational methods, electronics and electrical technology, materials, and a design and make project.

Year 2
Areas studied include biochemistry, cell biology, digital systems, control engineering, materials, engineering-relevant mathematics and statistics modules.

Optional placement/study abroad year
Salaried industrial placement and/or overseas study.

Year 3
Areas studied include bioelectricity and biophotonics engineering, healthcare engineering and management, biomaterials, biomedical component design, regenerative therapy and latest sporting developments, and an in-depth research project.

Year 4 (MEng only)
Areas studied include a substantial team project, orthopaedic sport biomechanics, neuromuscular function, biomaterials, and drug delivery.

Graduate destinations
Areas of application for bioengineering graduates are diverse and potential roles include: medical engineer, rehabilitation engineer, bioprocess engineer, prosthetics development, and research and development.

Biomaterials Engineering

MEng (Hons) DIS/DPS/DIntS*: 5 years full-time with placement year
UCAS code: J5BX

MEng (Hons): 4 years full-time
UCAS code: J5BW

BEng (Hons) DIS/DPS/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) in a relevant subject with Distinctions in Maths units
GCSE: Maths and English Language grade 4/C

This course will teach you the fundamentals of materials, their properties and engineering methods, and how to apply these to the biomedical field, particularly within the human body.

For more information please see page 144.

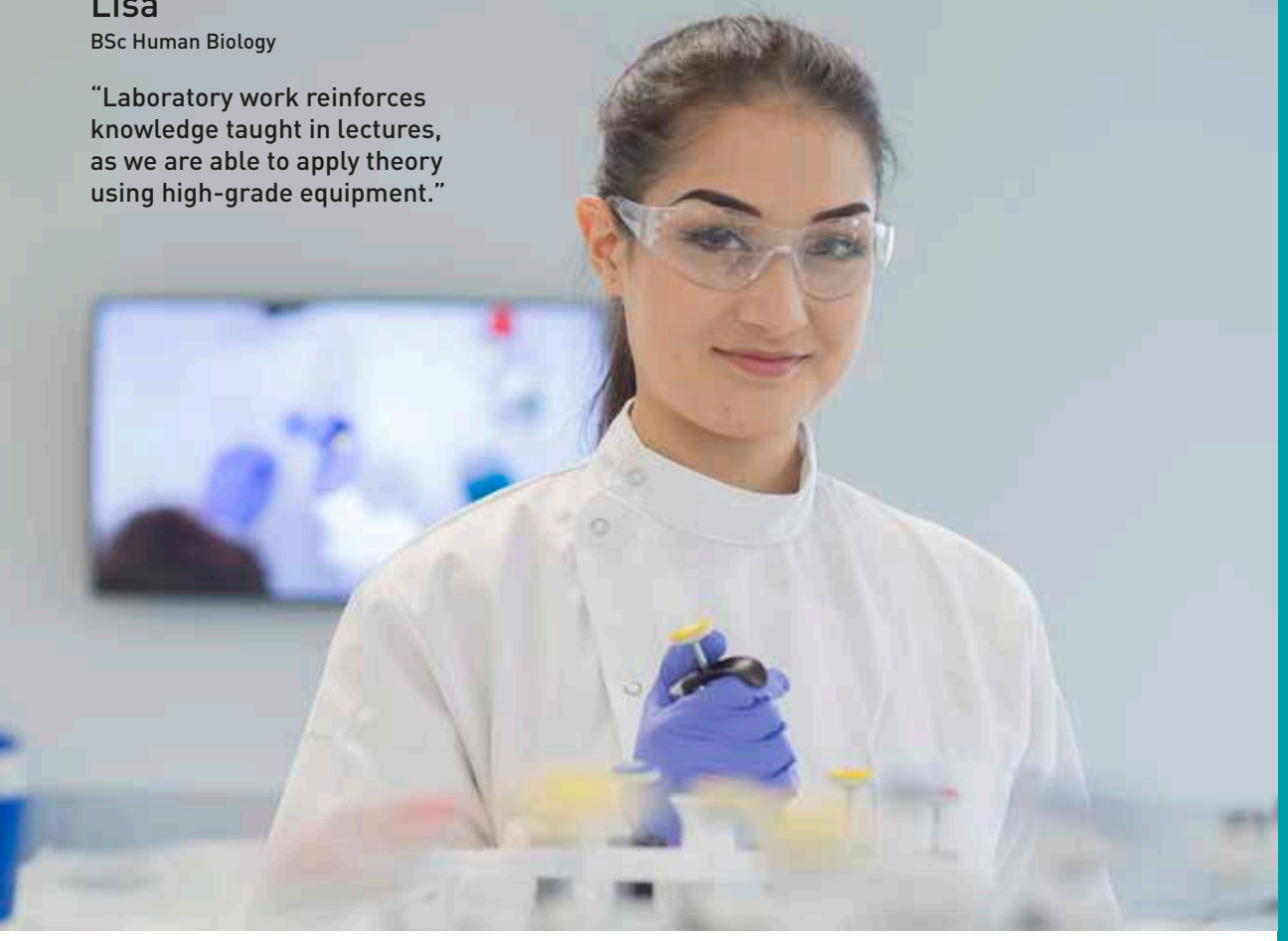
Diploma in Industrial/Professional/International Studies

Placement opportunity · Study abroad · Additional award · Accredited course

Lisa

BSc Human Biology

"Laboratory work reinforces knowledge taught in lectures, as we are able to apply theory using high-grade equipment."



Courses

Biosciences

Why choose Biosciences at Loughborough?

These courses are designed to develop an understanding of the scientific processes underlying human life and health. They draw on the University's established reputation in biosciences, as well as multidisciplinary expertise in areas including regenerative medicine, global health, nutrition and physiology of exercise.

You will benefit from the teaching and research insights of our internationally renowned academic staff. Every student is assigned a personal academic tutor who will provide academic support throughout their studies. Students also work with our internationally renowned academic staff on a final year project.

Our Human Biology BSc and Biological Sciences BSc degrees are also accredited by the Royal Society of Biology, ensuring that your teaching provides a solid academic foundation in biological knowledge and key skills, and will prepare you to address the needs of employers.

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 also offer international placements – an opportunity to spend a year on study related to your programme at a leading university abroad.

Facilities

From the £17 million pound STEMLab and recently refurbished Clyde Williams Building, to The National Centre for Sport and Exercise Medicine, our students benefit from unparalleled facilities.

STEMLab includes specialist biosciences facilities allowing students crucial opportunities to gain applied experience with biological samples in a safe and modern environment.

Students will also use our recently updated anatomy and physiology laboratories, computer laboratories and many students will work in a more specialist or research laboratory for the final year project or MSci study.

Career opportunities

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

Beyond science-specific careers, our degree courses serve as exceptional preparation for a wide variety of careers in the private or public sector. Examples include graduate schemes in industry, commerce, finance or management.

TOP 20

TOP 20 IN UK FOR BIOLOGICAL SCIENCES
THE COMPLETE UNIVERSITY GUIDE 2022

2ND

RANKED 2ND IN UK FOR BIOSCIENCES
NSS 2021

ATHENA SWAN SILVER AWARD COMMITMENT TO GENDER EQUALITY

lboro.ac.uk/ug/biosci

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 Mathematics at HL
BTEC Level 3 National Diploma in Applied Science: D*D plus A (MSci) / B (BSc) A level Biology (for other combinations please refer to the online prospectus)
GCSE: Maths and English Language grade 4/C

This course provides a thorough grounding in the fundamental processes underlying human life and health. It encompasses processes from molecular and cellular to organism level.

Year 1

Areas studied include laboratory skills, genetics and molecular biology, biochemistry and cell biology, anatomy and physiology, evolution and adaptation, study skills, research design and data description.

Year 2

Areas studied include laboratory skills, functional genomics, biochemistry of exercise and health, cellular signalling and transport, growth, development and ageing and research methods.

Optional placement/study year

Optional professional placement or overseas study.

Year 3

All students undertake a final year project. Other content studied includes areas such as forensic genomics, virology and oncology, regenerative medicine, cellular adaptation and degeneration 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 content studied includes areas such as contemporary health issues and advanced laboratory and research methods in biology.

Graduate destinations

Career opportunities exist in research, industry (eg cell therapy development), public sector (eg clinical scientist, biology teaching) or charitable sector (eg research administration).

**Diploma in Professional/International Studies*

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: AAB including at least one science (Biology preferred)
IB: 35 (6,6,5 HL) with 5 in Biology and one other science (at least one of which should be at HL)
BTEC Level 3 National Extended Diploma: DDD in Applied Science or Forensic Science
GCSE: Maths and English Language grade 4/C

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 stressors, and how our human biology and culture influence disease risk. This course is unique in its integrative and systematic approach and global perspective.

Year 1

Areas studied include anatomy and physiology, genetics and molecular biology, biochemistry and cell biology, human evolution and adaptation, laboratory skills, study skills, research design and data description.

Year 2

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

Optional placement/study year

Optional professional placement or overseas study.

Final year

All students undertake a final year project. Other content studied includes areas such as infectious diseases in humans, lifestyle and disease, body composition, human performance at environmental extremes, forensic genomics or physiology of sport, exercise and health.

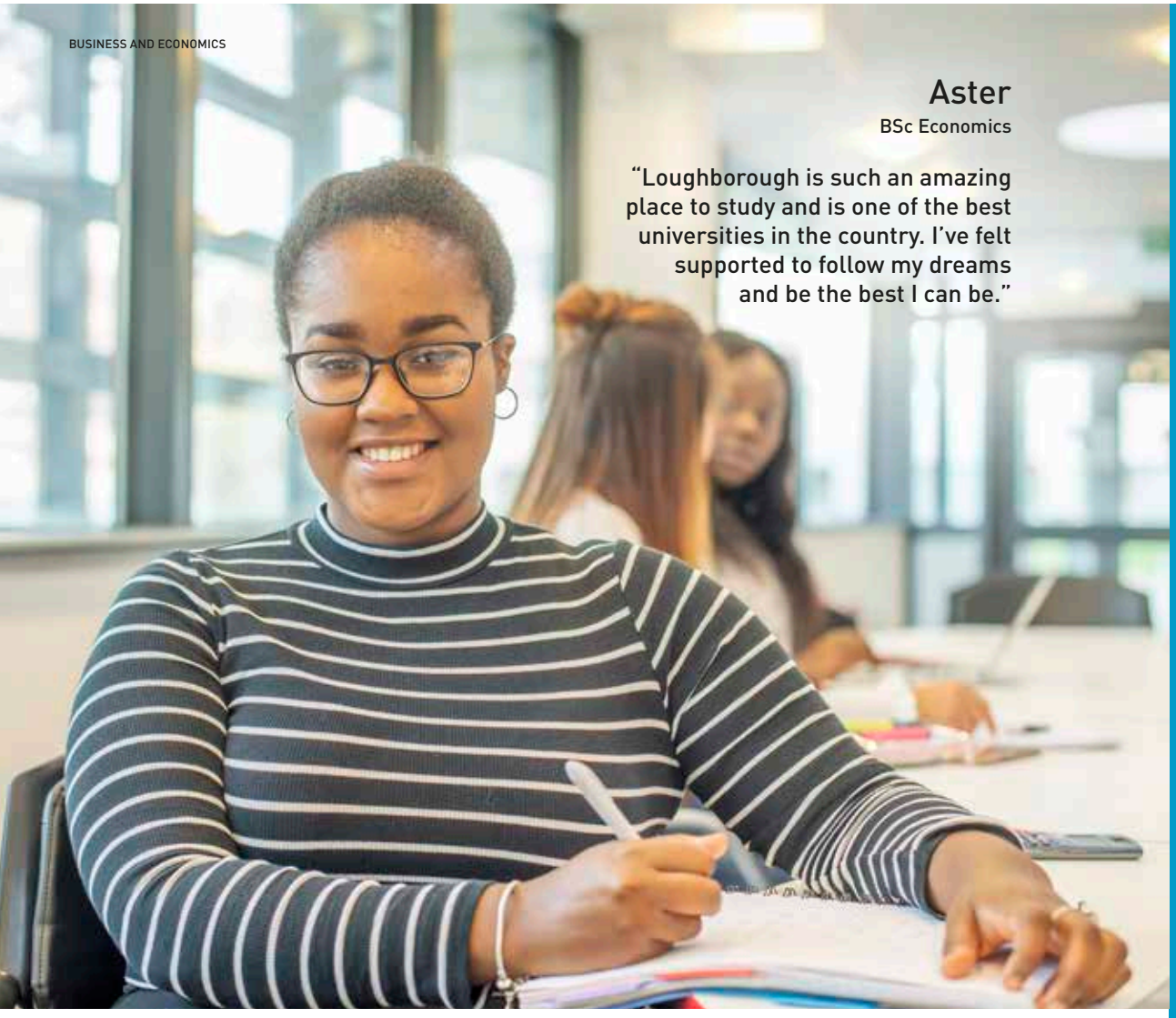
Graduate destinations

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

Our graduates have gone on to work for major pharmaceutical and diagnostic companies such as GlaxoSmithKline, leading universities and research groups and the NHS, as well as non-scientific graduate scheme employers.

**Diploma in Professional/International Studies*

Placement opportunity · Study abroad · Additional award · Accredited course



Aster

BSc Economics

"Loughborough is such an amazing place to study and is one of the best universities in the country. I've felt supported to follow my dreams and be the best I can be."

Courses

Business and Economics

Why choose Business and Economics at Loughborough?

We're committed to helping you become a well-rounded, highly sought-after graduate – equipped to achieve your career ambitions and to make the world a better place.

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

Loughborough 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.
We also hold the Chartered Association of Business School's Small Business Charter for our work on student enterprise.

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. Alternatively, students have the option to take a 'Year in Enterprise' to develop their own business idea.

In short, our 'placement year' offers you lots of flexibility to build the degree you want, with different options and combinations to choose from.

Career prospects

Our graduates are in great demand. Loughborough is among the top ten universities in the UK for 'graduate prospects' for Business, Marketing and Management in The Times and Sunday Times Good University Guide 2022. Our recent graduates have an average starting salary of £29,000 (Graduate Outcomes Survey, 2019) and many 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.

TOP 10 IN UK FOR GRADUATE PROSPECTS IN BUSINESS, MARKETING AND MANAGEMENT
THE TIMES AND SUNDAY TIMES GOOD UNIVERSITY GUIDE 2022

TOP 10 IN UK FOR BUSINESS, MANAGEMENT AND MARKETING
THE GUARDIAN UNIVERSITY GUIDE 2022

TOP 15 IN UK FOR ECONOMICS
THE TIMES AND SUNDAY TIMES GOOD UNIVERSITY GUIDE 2022

£29,000 AVERAGE STARTING SALARY
*GRADUATE OUTCOMES SURVEY, 2019 GRADUATES**

lboro.ac.uk/ug/sbe

** Average salary 15 months post-graduation, Graduate Outcomes Survey, 2019 graduates (median salary, UK domiciled students)*

Accounting and Financial Management

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

Typical offers
A level: AAB
IB: 35 (6,6,5 HL)
BTEC Level 3 National Extended Diploma: D*DD (for other combinations please refer to the online prospectus)
GCSE: Majority 7/6 (A/B) grades including minimum grade 6/B 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, 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 fundamentals, principles of finance, 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, performance appraisal and stock valuations, ethics in finance and accounting, financial markets and derivatives, and knowledge, data and information systems.

Compulsory placement/study abroad year
Salaried professional placement and/or overseas study.

Final year
Areas studied include advanced financial reporting, management accounting and control systems, strategic management accounting, corporate finance.

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
IB: 35 (6,6,5 HL)
BTEC Level 3 National Extended Diploma: D*DD (for other combinations please refer to the online prospectus)
GCSE: Majority 7/6 (A/B) grades including minimum grade 6/B in Maths and English Language

The 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. 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 principles of finance, quantitative business skills, macro and microeconomics, financial accounting fundamentals, organisational behaviour and skills for study, placement and employment.

Year 2
Areas studied include economics of the financial system, corporate finance, financial markets and derivatives, performance appraisal and stock valuations, ethics in finance and accounting, more advanced mathematical methods, management accounting and knowledge, data and information systems.

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*

Business Analytics

BSc (Hons) DPS/DIntS*: 4 years full-time with placement year
UCAS code: N2N1

Typical offers
A level: AAB
IB: 35 (6,6,5 HL)
BTEC Level 3 National Extended Diploma: D*DD (for other combinations please refer to the online prospectus)
GCSE: Majority 7/6 (A/B) grades including minimum grade 6/B in Maths and English Language

With the advent of 'big data', data-driven analytics is used all around us and has become 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 equips you with in-demand analytical skills and opens up a wide range of exciting careers you may not have considered before.

Year 1
Areas studied include quantitative business skills, organisational behaviour, principles of marketing, financial reporting, economics for business, and skills for study, placement and employment.

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, business optimisation, 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
IB: 35 (6,6,5 HL)
BTEC Level 3 National Extended Diploma: D*DD (for other combinations please refer to the online prospectus)
GCSE: Majority 7/6 (A/B) grades including minimum grade 6/B 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 in addition to the opportunities offered by your placement year. 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, 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
IB: 35 (6,6,5 HL)
BTEC Level 3 National Extended Diploma: D*DD (for other combinations please refer to the online prospectus)
GCSE: Majority 7/6 (A/B) grades including minimum grade 6/B 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, the 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, 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
IB: 35 (6,6,5 HL)
BTEC Level 3 National Extended Diploma: D*DD (for other combinations please refer to the online prospectus)
GCSE: Majority 7/6 (A/B) grades including minimum grade 6/B 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, marketing research, 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, skills for study, placement and employment.

Year 2
Areas studied include information management, human resource management, accounting, global 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
Career prospects in marketing and management are excellent and our graduates are highly sought after by blue chip companies. Many 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: AAA
IB: 37 (6,6,6 HL)
BTEC Level 3 National Extended Diploma: D*D*D (for other combinations please refer to the online prospectus)
GCSE: Majority 7/6 (A/B) grades including minimum grade 6/B 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 second and 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 communication 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: AAA
IB: 37 (6,6,6 HL)
BTEC Level 3 National Extended Diploma: D*D*D (for other combinations please refer to the online prospectus)
GCSE: Majority 7/6 (A/B) grades including minimum grade 6/B 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.

You will 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, plus choices from a range of optional modules.

Year 2
Areas studied include macro and microeconomics, econometrics, 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 research and communication skills, industrial economics, plus financial economics and asset pricing, and/or corporate finance and derivatives, plus choices from a range of optional modules.

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: AAA
IB: 37 (6,6,6 HL)
BTEC Level 3 National Extended Diploma: D*D*D (for other combinations please refer to the online prospectus)
GCSE: Majority 7/6 (A/B) grades including minimum grade 6/B in Maths and English Language

This degree contains all the essential modules of an economics degree in addition to 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.

The majority of the final year is made up of optional modules, giving you maximum opportunity to tailor your degree to suit your career ambitions.

Year 1

Areas studied include the fundamentals of 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*

Placement opportunity · Study abroad · Additional award · Accredited course

Vanessa

MEng Chemical Engineering

"Loughborough offers a unique course that has shifted its focus from the oil and gas industries to more sustainable technologies, unlike other traditional chemical engineering courses."

Courses

Our Chemical Engineering course is accredited by:

IChemE

Chemical Engineering

What is Chemical Engineering?

Chemical Engineers apply the principles of chemistry, physics and maths to transform raw materials and energy into valuable products and services. They ensure the safe and efficient operation of industrial processes within many sectors, including food and drink, pharmaceuticals, consumer goods, renewable energy and many more. Through their technical know-how and ingenuity, Chemical Engineers play a leading role in tackling climate change, reducing resource consumption and protecting the environment.

Why choose Chemical Engineering at Loughborough?

Our mission is to help our students develop into versatile and successful Chemical Engineers, who will play a leading role in addressing current societal challenges. We equip our students with a highly adaptable skillset, combining a strong foundation in the underlying scientific and engineering principles, with a future-proof perspective of sustainable technologies and practices. You can expect first-class teaching from our passionate academics, informed by their cutting-edge research in areas such as low carbon fuels, circular economy, digital manufacturing and 21st century healthcare. Our programmes benefit from regular contributions from our diverse network of industrial partners, demonstrating the application of theoretical knowledge into practice. A high staff-to-student ratio ensures that we maintain a friendly and supportive environment while ensuring each student reaches their full potential.

Industrial placement year

Our courses allow students to apply for a paid year of work in industry. These industrial placements are an excellent opportunity to apply taught knowledge to real engineering problems, gain deeper insight into a specific field or sector, and improve graduate employability. Our dedicated placements team supports students in sourcing and securing opportunities as well as getting the most out of this experience. Recent placements have covered a wide range of industries, in both small to major multinational companies, including 3M, BMW, ExxonMobil, Nestle, PepsiCo, and Pfizer to name a few.

Facilities

We have invested £25 million in redeveloping S Building, the home of Chemical Engineering. Our teaching laboratories contain over 50 bench- and pilot scale experimental rigs to provide hands-on experience and enhance the understanding of key engineering principles. Through our unique virtual reality simulations, students can experience the operation of real life industrial processes within a safe and accessible environment. You will also benefit from access to STEMLab, a £17 million state-of-the-art learning facility, as well as upgraded computer labs, with access to specialist engineering software.

TOP 10

TOP 10 IN UK FOR GRADUATE PROSPECTS
THE TIMES AND SUNDAY TIMES GOOD UNIVERSITY GUIDE 2022

TOP 10 IN UK FOR CHEMICAL ENGINEERING
THE GUARDIAN UNIVERSITY GUIDE 2022

UNDERTAKE A YEAR IN INDUSTRY AND GAIN AN ADDITIONAL AWARD OF DIPLOMA IN INDUSTRIAL STUDIES (DIS)

£30,000 AVERAGE GRADUATE SALARY
*GRADUATE OUTCOMES SURVEY, 2018 GRADUATES**

lboro.ac.uk/ug/chemeng

** Average salary 15 months post-graduation – UK domiciled, first degree students.*

Chemical Engineering

MEng (Hons) DIS/DPS/DIntS*: 5 years full-time with placement year
UCAS code: H802

MEng (Hons): 4 years full-time
UCAS code: H803

BEng (Hons) DIS/DPS/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)
GCSE: English Language grade 4/C

Our courses prepare students for future-proof careers in the process industries. As well as studying the core principles of chemical engineering, our optional modules allow you to focus on a particular speciality.

Year 1
Areas studied include heat transfer, mass and energy balances, thermodynamics, chemical and biological processes, and fluid dynamics.

Year 2
Areas studied include reaction engineering, particle technology, separation processes, instrumentation and control, process safety, and a group design project.

Optional placement/study abroad year
Optional industrial placement or overseas study.

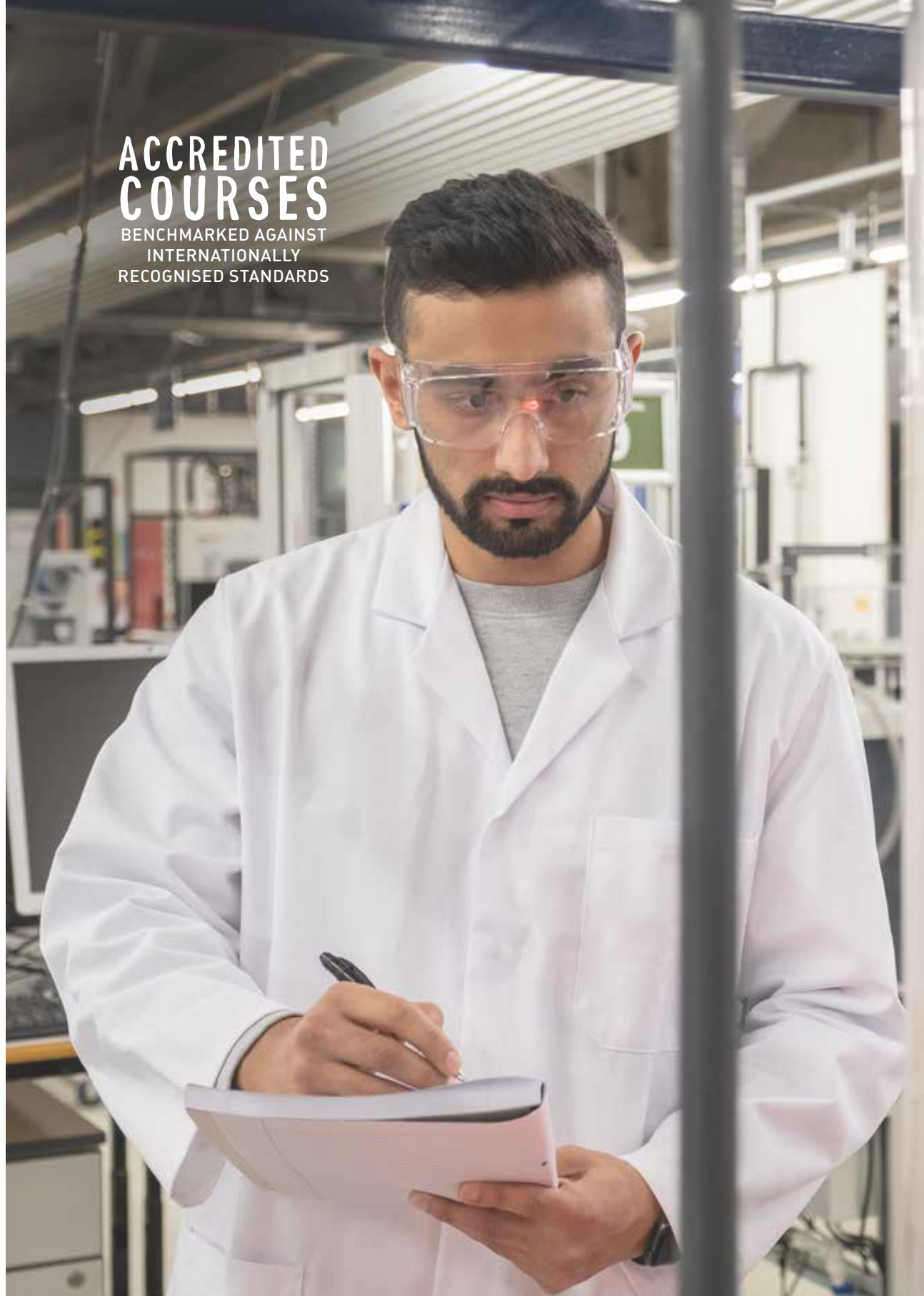
Year 3
Areas studied include team and individual process design projects, process economics and project management, alongside optional modules, such as circular economy, healthcare engineering and business systems.

Years 4 (MEng only)
You will complete a research or industry project to develop your professional employment skills along with optional modules, such as biotechnology, technical entrepreneurship, process integration, clean energy, or chemical product design.

Graduate destinations
On average, our students earn £30,000 upon graduation#, higher than most other engineering disciplines, and work in a range of sectors, such as food and drink, pharmaceuticals, cosmetics, energy, water, and business. Recent graduate destinations include 3M, Britvic, KPMG, and Sellafield.

**Diploma in Industrial/Professional/International Studies*
 # Graduate Outcomes Survey, 2018 graduates.

Placement opportunity · Study abroad · Additional award · Accredited course



Dipak
BSc Chemistry

"The facilities are fantastic, especially now that the STEMLab has been built."

Courses

Our courses are accredited by:

ROYAL SOCIETY OF CHEMISTRY Accredited degree

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 that are carefully tailored to provide you with the sound chemical education to support your career aspirations and research passions.

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 GlaxoSmithKline, AstraZeneca, 3M Healthcare, Lubrizol and Reckitt-Benckiser. Students are also able to gain an international experience through study exchange or a work placement outside of the UK.

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, X-ray diffractometers, IR and UV-Vis Spectrometers, gas and liquid chromatography, mass spectrometry, and flow and microwave synthesisers.

Career prospects

Our industry-relevant courses in chemistry equip you with subject-specific and transferable skills 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, Novo Nordisk, Lubrizol and Fujitsu. The Master of Chemistry (MChem) degree also prepares you for research and development work in industry or a PhD research course.

Professional recognition

The BSc (Hons) and MChem (Hons) degrees satisfy the academic requirements for admission to AMRSC of the Royal Society of Chemistry. MChem graduates will hold a chemistry degree that is also accredited for the award of Chartered Chemist (CChem).

3RD IN UK FOR CHEMISTRY
THE GUARDIAN UNIVERSITY GUIDE 2022

£17M STEMLAB TEACHING FACILITIES

ALL ELIGIBLE COURSES ACCREDITED BY THE ROYAL SOCIETY OF CHEMISTRY

TOP 5 IN UK FOR OVERALL SATISFACTION IN CHEMISTRY
NSS 2021

lboro.ac.uk/ug/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: AAB (MChem) / ABB (BSc) to include Chemistry and preferably one other Science or Maths
IB: (MChem) 35 (6,6,5 HL) / (BSc) 34 (6,5,5 HL) including HL Chemistry and preferably one other science or Maths at HL
BTEC Level 3 National Extended Diploma: (MChem) DDD / (BSc) DDM in Applied Science to include optional modules 13, 14, 18 and 19
GCSE: Maths and English Language grade 4/C

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

Year 1
Areas studied include organic, inorganic, physical and analytical 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 is also undertaken.

Year 4 (MChem only)
Areas studied include a wide range of optional modules allowing specialisation, plus an extended project and literature review.

Graduate destinations
Companies include GSK, 3M, Fujitsu, Lubrizol, Pirelli, Unilever, PwC.

**Diploma in Industrial/Professional/International Studies*

Chemistry with Computing

MChem (Hons) DIS/DPS/DIntS*: 5 years full-time with placement year
UCAS code: F130

MChem (Hons): 4 years full-time
UCAS code: F131

BSc (Hons) DIS/DPS/DIntS*: 4 years full-time with placement year
UCAS code: F132

BSc (Hons): 3 years full-time
UCAS code: F133

Typical offers
A level: AAB (MChem) / ABB (BSc) to include Chemistry and preferably one other Science or Maths
IB: (MChem) 35 (6,6,5 HL) / (BSc) 34 (6,5,5 HL) including HL Chemistry and preferably one other science or Maths at HL
BTEC Level 3 National Extended Diploma: (MChem) DDD / (BSc) DDM in Applied Science to include optional modules 13, 14, 18 and 19
GCSE: Maths and English Language grade 4/C

This degree will provide a solid understanding of chemistry and will also teach how modern techniques in computational chemistry and data analysis can be put to optimal use to solve problems in chemistry encompassing in-silico drug development, materials design, and the analysis of large data sets.

Year 1
Areas studied include organic, inorganic, physical and analytical chemistry, as well as laboratory practical skills.

Year 2
Areas studied include spectroscopy, energetics and equilibria, structure and reactivity, laboratory practical and computational work, and an introduction to computer programming.

Optional placement/study year
Optional professional placement and/or overseas study.

Year 3
Areas studied include advanced organic, inorganic, analytical, physical chemistry, and a variety of techniques in computer assisted chemistry. A dissertation and practical investigative projects are undertaken.

Year 4 (MChem only)
Areas studied include a wide range of optional modules allowing specialisation, alongside a dissertation and an extended research project which runs over both semesters.

Graduate destinations
This course was launched in 2021 so there are no graduates yet, but it has been designed to prepare students for careers in such areas as drug development, analytical science, and information and communication technologies.

**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: AAB (MChem) / ABB (BSc) to include Chemistry and preferably one other Science or Maths
IB: (MChem) 35 (6,6,5 HL) / (BSc) 34 (6,5,5 HL) including HL Chemistry and preferably one other science or Maths at HL
BTEC Level 3 National Extended Diploma: (MChem) DDD / (BSc) DDM in Applied Science to include optional modules 13, 14, 18 and 19
GCSE: Maths and English Language grade 4/C

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 medicine and the pharmaceutical industry.

Year 1
Areas studied include organic, inorganic, physical and analytical 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.

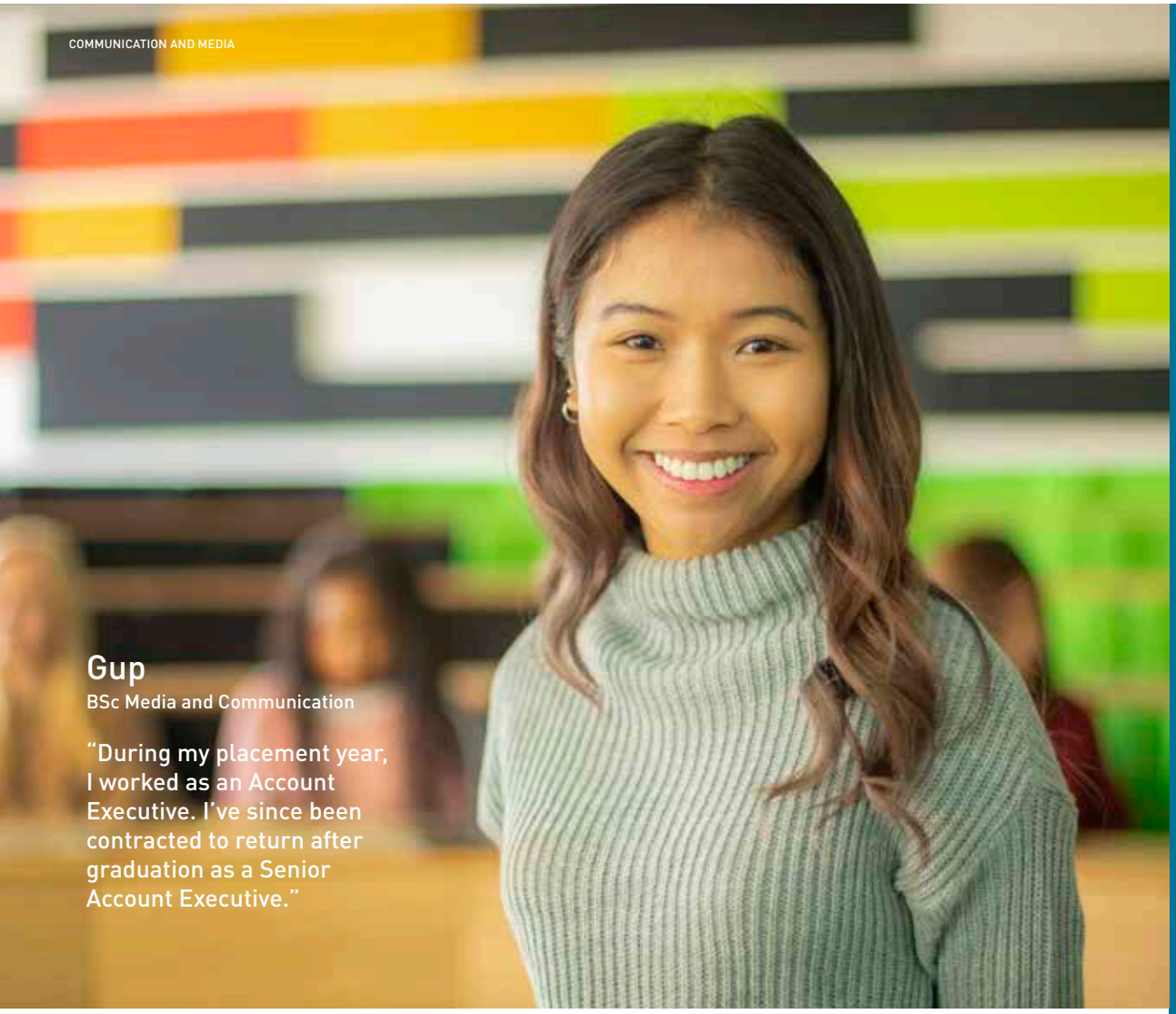
Optional placement/study year
Optional professional placement and/or overseas study.

Year 3
Areas studied include advanced inorganic, organic and physical chemistry, drugs synthesis and discovery, pharmaceutical and biomedical analysis, pharmacokinetics and drug metabolism. A dissertation is also undertaken.

Year 4 (MChem only)
Areas studied include advanced modules in chemistry and biology, plus an extended project and literature review.

Graduate destinations
Employers include The Francis Crick Institute, NHS, Boots, GSK, British Sugar, Mondelēz International, KPMG.

**Diploma in Industrial/Professional/International Studies*



Gup
BSc Media and Communication

"During my placement year, I worked as an Account Executive. I've since been contracted to return after graduation as a Senior Account Executive."

Courses

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 division with a distinguished track record. Our BSc Media and Communication degree provides a thorough grounding in the social scientific analysis of media and communication. This means you will develop critical thinking and analytic skills 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: we are ranked 1st in the UK for Communication and Media Studies (Complete University Guide 2022). We are 2nd in the UK for research intensity, and 90% of our research is judged 'world-leading' or 'internationally excellent' (REF 2014).

The BSc Media and Communication degree 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.

Languages

We provide a range of language modules in French, German, Spanish and Mandarin Chinese from beginners' level upwards. Students may take these modules as part of their degree, enter the programme at their level of competence and working upwards one semester at a time.

Placements and study exchange

Our undergraduate students have the option to undertake a professional work placement during their degree, including at leading companies across the media and communication sector.

In recent years students in the School have completed placements with BP, Volkswagen, Molson Coors, IBM, Johnson & Johnson, Samsung Electronics, Bosch, Confederation of British Industry, PwC, National Grid, Renault, Department of Work and Pensions, Food Standards Agency, Bedfordshire Police, Instron and Sky.

Students also have an opportunity to spend a year (or a single semester of their degree) abroad by securing paid work teaching English to school children or studying at a partner university.

Employability

We were recently ranked 2nd in the UK for Graduate Prospects in Communication and Media Studies (Times and Sunday Times Good University Guide 2022). Our course covers a wide range of topics through a variety of modules, providing insight into careers within the sector and beyond. Students can (and do) adapt their degree to reflect their career aspirations and academic interests.

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

3RD IN UK FOR COMMUNICATION AND MEDIA
THE TIMES AND SUNDAY TIMES GOOD UNIVERSITY GUIDE 2022

2ND IN THE UK FOR GRADUATE PROSPECTS IN COMMUNICATION AND MEDIA STUDIES
THE TIMES AND SUNDAY TIMES GOOD UNIVERSITY GUIDE 2022

lboro.ac.uk/ug/cam

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: AAB
IB: 35 (6,6,5 HL)
BTEC Level 3 National Extended Diploma: DDD (for other combinations please refer to the online prospectus)
GCSE: English Language grade 4/C

Our acclaimed degree, the Media and Communication BSc, is devoted to making sense of how power and influence work in today's complex, turbulent world. This long-standing and prestigious course will provide you with a thorough understanding of key themes including digital and social media, television, film, advertising, news and journalism, the media industries, culture, political communication, social inequality, gender, race, and sexuality.

Year 1
Areas studied include introductory communication and media, constructing meanings, research methods, and foundations in social sciences.

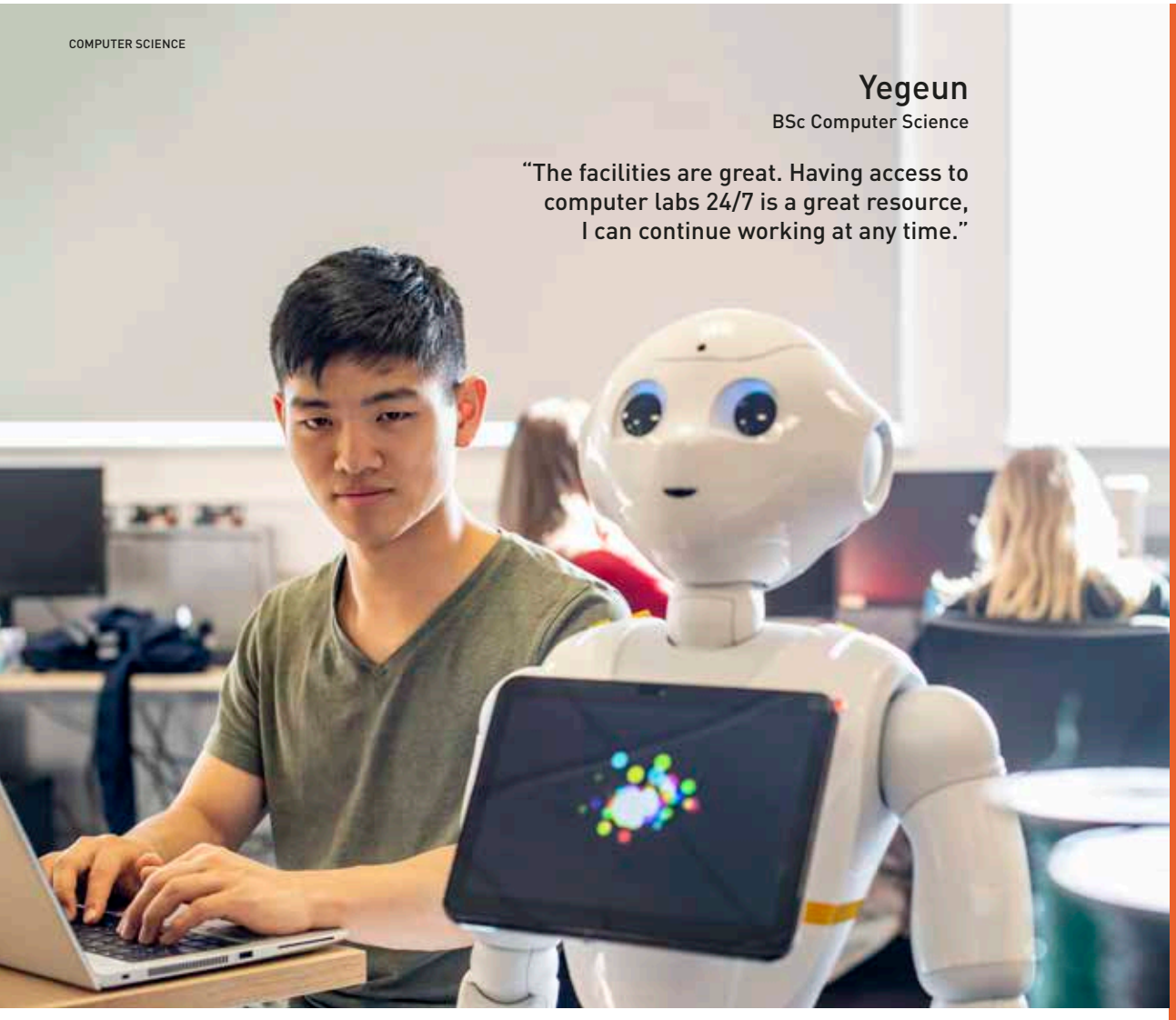
Year 2
Areas studied include media, identity, and inequality, media and social change, advanced research methods, political communication, advertising, public relations, and society.

Optional placement/study year
Optional professional placement and/or overseas study.

Final year
Areas studied include digital media and society, producing the news, 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, Opinion Panel Researcher, Campaign Coordinator, Publishing Trainee and Customer Experience Manager. Our graduates also proceed to Master's and PhD degrees.

**Diploma in Professional/International Studies*



Yegeun

BSc Computer Science

"The facilities are great. Having access to computer labs 24/7 is a great resource, I can continue working at any time."

Courses

Several of our courses are accredited by:

bcs Accredited Degree

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 a well-known and well-established Computer Science department, 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 (CITP) registration, while our Information Technology Management for Business (ITMB) degree is accredited by TechSkills. In addition, several of our MSci courses have been granted accreditation towards the educational requirement for Chartered Engineer (CEng) registration. 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, specialist robotics and networking laboratories, 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 our students are recommended to complete a placement. In recent years our students have gained invaluable experience at major companies including IBM, Microsoft, Disney, Sony and the BBC.

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 quality of employment of our graduates is consistently high, with 95% of our leavers in graduate-level employment and a median salary of £31,000 (according to the Graduate Outcomes Survey 2019 graduates – UK domiciled, first degree students).

TOP 20 IN UK FOR COMPUTER SCIENCE
THE GUARDIAN UNIVERSITY GUIDE 2022

TOP 20 IN UK FOR COMPUTER SCIENCE
NSS 2021

ALL ELIGIBLE COURSES ACCREDITED BY BRITISH COMPUTER SOCIETY (BCS)

£31,000 MEDIAN FULL-TIME GRADUATE SALARY
*GRADUATE OUTCOMES SURVEY, 2019 GRADUATES**

lboro.ac.uk/ug/compsci

** Average salary 15 months post-graduation – UK domiciled, first degree students completing a Computer Science related degree.*

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) / AAB (BSc) including Maths
IB: (MSci) 37 (6,6,6 HL) / (BSc) 35 (6,6,5 HL) including HL Maths
BTEC Level 3 National Extended Certificate: D* plus AA (MSci) / D* plus AB (BSc) in two A levels including Maths (for other combinations please refer to the online prospectus)
GCSE: Minimum 5 grades 9-6 (A*-B) including Maths plus English Language grade 4/C

This course will equip you with highly sought-after theoretical and practical computer science skills. It provides a strong foundation in the critical areas of computer science, with the opportunity to tailor your degree towards your 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, artificial intelligence, 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) / AAB (BSc) including Maths
IB: (MSci) 37 (6,6,6 HL) / (BSc) 35 (6,6,5 HL) including HL Maths
BTEC Level 3 National Extended Certificate: D* plus AA (MSci) / D* plus AB (BSc) in two A levels including Maths (for other combinations please refer to the online prospectus)
GCSE: Minimum 5 grades 9-6 (A*-B) including Maths plus English Language grade 4/C

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 in-demand 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) / AAB (BSc) including grade A in Maths
IB: (MSci) 37 (6,6,6 HL) / (BSc) 35 (6,6,5 HL) with 6 at HL Maths
BTEC Level 3 National Extended Certificate: D* plus AA (MSci) / D* plus AB (BSc) in two A levels including A in Maths (for other combinations please refer to the online prospectus)
GCSE: Minimum 5 grades 9-6 (A*-B) including Maths plus English Language grade 4/C

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, artificial intelligence, 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) / AAB (BSc)
IB: (MSci) 37 (6,6,6 HL) / (BSc) 35 (6,6,5 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: Minimum 5 grades 9-6 (A*-B) including Maths plus English Language grade 4/C

This course is divided between computing and management subjects and is taught in conjunction with the highly-rated 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, Merril 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) / AAB (BSc)
IB: (MSci) 37 (6,6,6 HL) / (BSc) 35 (6,6,5 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: Minimum 5 grades 9-6 (A*-B) including Maths plus English Language grade 4/C

Designed in partnership with some of the world's leading IT employers, this course covers a vibrant mix of transferable skills and knowledge. It is the perfect choice for anyone seeking exciting and challenging management or professional careers designing, developing and implementing technology solutions for businesses. It is accredited by TechSkills 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.

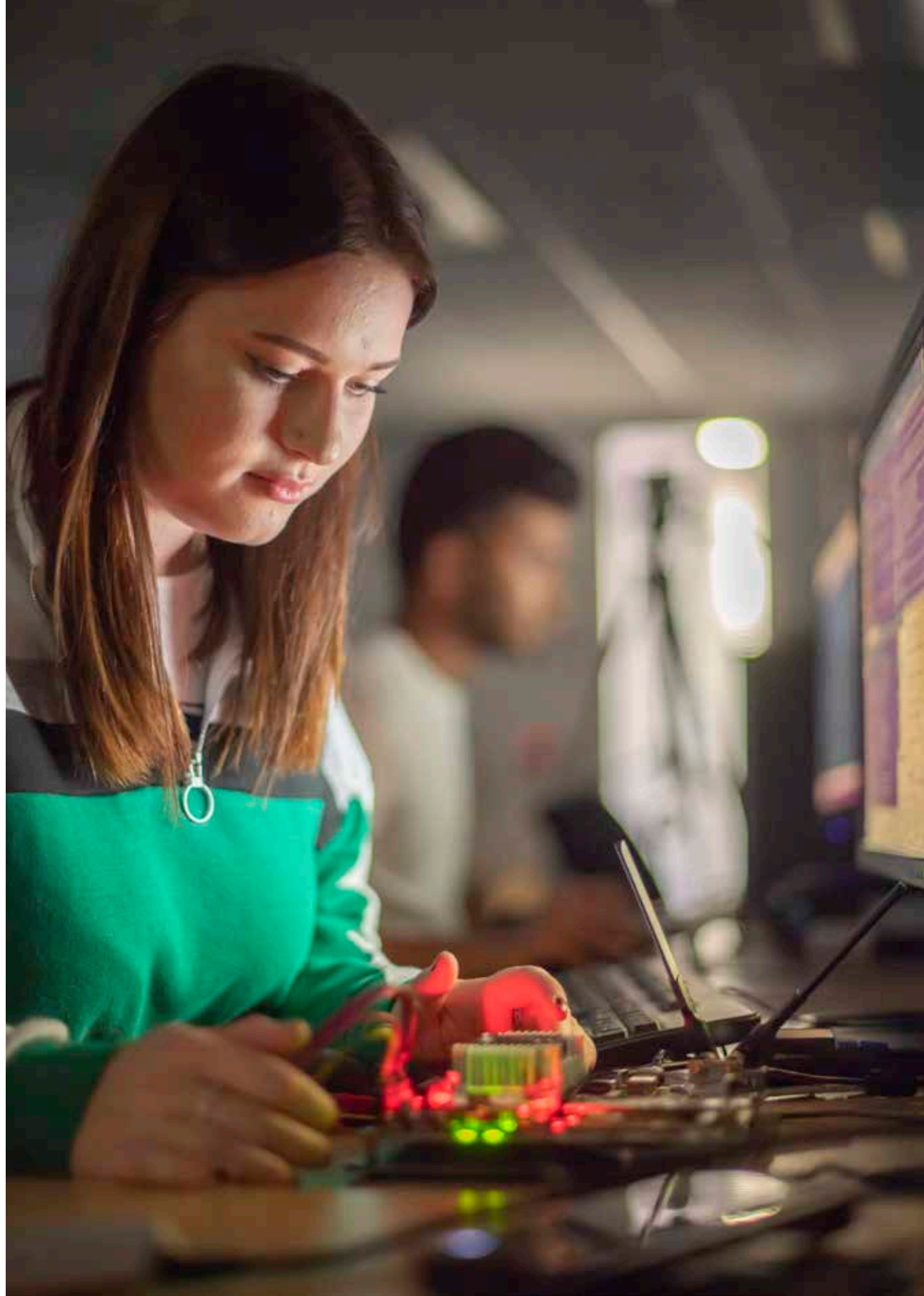
Optional placement year
Optional professional placement in industry.

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*



Michael

BA Graphic Design

"The quality of education has only increased since I got here, alongside the quality of my work – it's all thanks to the top-notch equipment available for us to use."

Courses

Creative Arts

Why choose Creative Arts at Loughborough?

The School of Design and Creative Arts offers a variety of exciting, industry-led undergraduate courses, all of which are highly practical, hands-on, and dedicated to the pursuit of creative, real-world solutions. Each of our courses is designed to cultivate originality within students, allowing them to fully explore their creative potential in a supportive, collaborative environment, with guidance from expert academic and technical support staff. Our students are empowered to use their creativity to address and respond to a range of real-world issues – from sustainable fashion and the plastics crisis to mental health, physical wellbeing, social inequality, and much more.

Facilities

Our industry-standard Creative Hubs house state-of-the-art facilities across a broad range of creative pursuits. Creative Arts students can access the full range of Hubs as required – all of which are supported by expert technical staff, who can assist with the safe application of various techniques and processes. The Hubs are as follows:

- Creative Digital Technologies and Photography
- Print, Dye, Weave, Stitch and Digital Embroidery
- Wood, Metal, Plastics, Laser, and 3D Printing
- Painting and Printmaking
- Ceramics and Mouldmaking
- Performance and Rehearsal.

Employability

Our aim is to produce talented, well-rounded, and original graduates who are fully equipped to launch successful careers within a variety of creative industries. The School of Design and Creative Arts is proud to nurture long-standing professional partnerships with a range of different employers and industry powerhouses, which our students can take advantage of. From paid, year-long industry placements to live briefs, competitions and in-built skills development modules, students are exposed to countless opportunities to develop their employability.

Recent placement destinations include H&M, The Walt Disney Company, Alexander McQueen, Liberty, M&S, ASOS, KIA, Sony Europe, Deloitte, IBM, Concerto Group, the Manufacturing Technology Centre, and The Hepworth Wakefield.

Degree Show

Final year Creative Arts students and Foundation students are invited to exhibit their work at the University's annual Degree Show. The show enables them to showcase and promote their work to the public, as well as network with industry contacts and potential employers.

1ST IN UK FOR FASHION AND TEXTILES
THE GUARDIAN UNIVERSITY GUIDE 2022

2ND IN UK FOR ART AND DESIGN
THE TIMES AND SUNDAY TIMES GOOD UNIVERSITY GUIDE 2022

1ST IN UK FOR DESIGN AND CRAFTS
THE GUARDIAN UNIVERSITY GUIDE 2022

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

lboro.ac.uk/ug/creative-arts

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 three 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
GCSE: English Language grade 4/C

Loughborough offers a vibrant, creative, and critical environment for exploring the possibilities of contemporary fine art practice and theory. From mediums of drawing, painting, sculpture, and print, to photography, video and sound, digital media and interdisciplinary activities, students will develop an exciting and diverse body of work. The studio-based degree references art history and visual culture, developing new critical connections between culture, society, politics, and the environment.

Year 1
Students are introduced to various materials and process investigations, plus the creative production and visual/comparative analysis relevant to contemporary fine art practices.

Year 2
Students will develop, identify and begin to locate their evolving individual practice, physically, contextually, and theoretically within the field of contemporary art practice.

Optional placement/study year
Optional professional placement and/or overseas study.

Final year
Students will develop an independent methodology, which facilitates the production of a body of practice, culminating with a professional standard degree show exhibition. You will also produce a standard route or practice-led dissertation.

Graduate destinations
Many graduates pursue further study at destinations including the Royal College of Art and the Royal Academy of Arts, and PGCE, Curation and Art Therapy courses. Others have established galleries and studio spaces, continued working as professional artists and gained employment at destinations including The Hepworth Wakefield, Nottingham Lakeside Arts, Smashbox Cosmetics, and The London Taxidermy Academy.

**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 Design

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 three 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
GCSE: English Language grade 4/C

This course has an enviable reputation for developing students into superb visual thinkers who excel in graphic design, illustration, and related industries. You will develop creative ideas and 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, branding and strategy, digital design, illustration, interaction, photography, typography, UX design, or graphic design in general.

Year 1
The year begins by examining graphic design contexts whilst also introducing core technical production skills before moving onto drawing, illustration, typography, branding, and strategy.

Year 2
Projects focus on applications of graphic design, considering social design, audience, environments, design research, narrative, storytelling, and collaborative approaches.

Optional placement/study year
Optional professional placement and/or overseas study.

Final year
The final year focuses on developing excellence in a specialism through negotiated projects and writing a dissertation.

Graduate destinations
Graduates have pursued careers in areas including photography, art direction, graphic design, publishing, illustration, video production, television and film, curation, art buying, art editorial, marketing, art direction for advertising, branding, performing arts, exhibition and display design, app design, comic illustration, and more.

**Diploma in Professional/International Studies*
#Please note that you can move between the three- and four-year versions of the same course once enrolled.

Textile 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 BBB/ABC from three A levels
IB: 32 (5,5,5 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
GCSE: English Language grade 4/C

Textiles at Loughborough offers an experimental and creative environment for you to develop specialist making skills and design methods to explore new opportunities in the field of contemporary textiles.

The course combines traditional and hand processes with digital technologies, has extensive links with industry and encourages a multi-disciplinary approach to textile design. It opens up a wide variety of opportunities, including within the fashion industry.

Year 1
Students are introduced to our inspiring workshop facilities, state-of-the-art tools, and resources. Developing an individual approach to drawing, visual research, design development, process, and exploration is encouraged. Through creative briefs and contextual studies, students discover technological opportunities and understand the cultural significance of the textile discipline. You will start to create commercially relevant and sustainable textile possibilities, building your knowledge and confidence.

Year 2
Students will develop advanced processes and investigate complex textile structures while exploring broad design contexts and material properties. You are also able to select from a list of School-wide optional modules.

Optional placement/study year
Optional professional placement and/or overseas study.

Final year
Follow in the footsteps of our successful textiles graduates to develop a strong, diverse portfolio of work that is multi-faceted and innovative to exhibit at the degree show exhibition. This is supported by a standard route or practice-led dissertation module.

Graduate destinations
Recent graduates are employed as designers and buyers in major national and international fashion, interior and automotive companies, and as freelance designers, textile artists and more.

**Diploma in Professional/International Studies*
#Please note that you can move between the three- and four-year versions of the same course once enrolled.

Fashion Design and Technology

BA (Hons) DPS/DIntS*: 4 years full-time with placement year#
UCAS code: W236

BA (Hons): 3 years full-time#
UCAS code: W230

Typical offers
A level: A typical offer for applicants without a Foundation course is ABB from three 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
GCSE: English Language grade 4/C

From the catwalk to the sports track, the fashion and apparel industry is advancing rapidly, embracing new styles, applications, tools, and technologies to bring about cutting-edge trends and innovations. Expanding on Loughborough's world-renowned expertise in textiles and design, this exciting new course sets out to develop your creative and design methodologies to enable you to formulate trailblazing silhouettes, concepts and manufacturing processes whilst evolving sustainable and ethical design strategies.

Year 1
The first year of this course introduces design methodologies and creative thinking strategies whilst building core practical skills, drawing for fashion design and digital production skills. Projects range from technical to the more conceptual, including an investigation into the future of fashion and apparel.

Year 2
Projects in year two focus on advancing individual approaches to fashion design, investigating different contexts from sports and athleisurewear to high-end luxury RTW, whilst examining ethical design practices, sustainable design systems and experimenting with how digital processes can build new opportunities.

Optional placement/study year
Optional professional placement and/or overseas study.

Final year
Students will continue to advance their independent design and research methodology through both a written dissertation and practice-led projects. The year concludes with a final major project and professional portfolio of work exhibited to industry.

Graduate destinations
Graduates will be able to pursue careers in all areas of the industry in positions including fashion and apparel designers, textile designers, stylists, buyers, merchandisers, illustrators, production leads, product developers, and more.

**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/creative-arts/foundation

Typical offers

A level: Two passes at A level grade C minimum. It is preferred that one of your A level subjects is art or design related but this is not mandatory
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 4/C minimum*. All applicants must have English Language at grade 4/C minimum

Art and Design Foundation Studies is a fast-paced, fun, and creative course that leads to a UAL (University of the Arts, London) 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 develop your creative approaches and 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.

The foundation studios provide a supportive, creative environment for the personal development of your work, allowing you to expand your responses by broadening your awareness of experimentation with media, materials and methods in each specialism.

Foundation students have access to the same Creative Arts facilities as students on our undergraduate courses, and can experience all the following areas of art and design before choosing one specialism:

- 3D Design
- Textiles and Fashion
- Fine Art
- Visual Communication

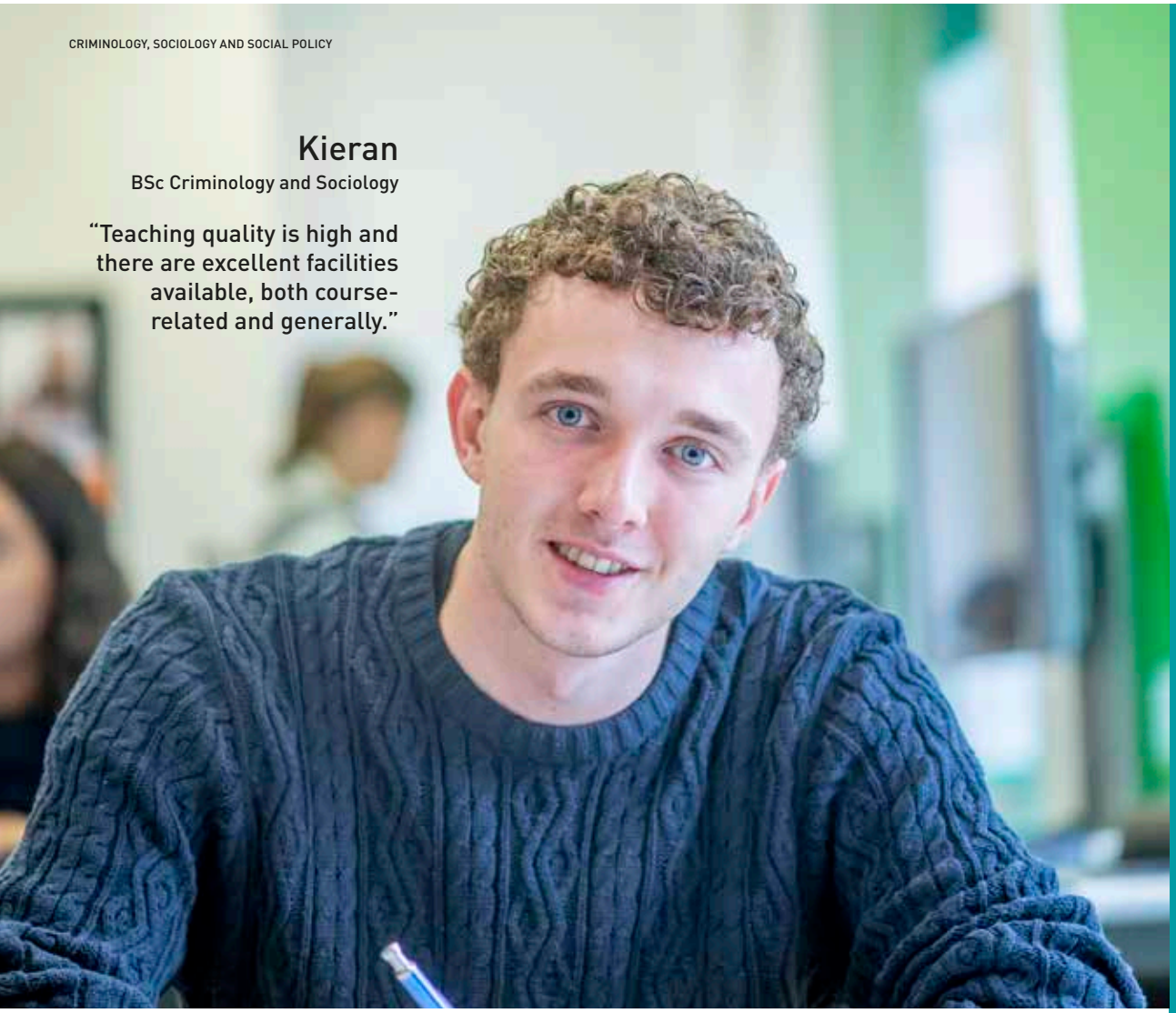
Progression

At Loughborough, Art and Design Foundation students who satisfactorily complete the course can progress directly onto the University's following degree courses without the need for an interview/portfolio review:

- Fine Art BA (Hons)
- Graphic Design BA (Hons)
- Textile Design BA (Hons)
- Fashion Design and Technology BA (Hons)
- Design BA (Hons)
- Industrial Design BA (Hons)

** Successful applicants aged under 19 who do not have English Language and Maths at grade 4/C minimum will be required to sit the relevant GCSE(s) online alongside their Foundation course.*

Placement opportunity Study abroad Additional award Accredited course



Kieran

BSc Criminology and Sociology

"Teaching quality is high and there are excellent facilities available, both course-related and generally."

Courses

CRIMINOLOGY, SOCIOLOGY AND SOCIAL POLICY

Criminology, Sociology and Social Policy

Why choose Criminology, Sociology and Social Policy at Loughborough?

Whether it is crime, poverty and social exclusion or gender, race and discrimination; digital cultures and economy or health and reproduction; our degree courses enable you to understand and critically analyse the 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 the contemporary challenges faced in times of uncertainty and change.

Whilst receiving a thorough training in your chosen subject, our courses allow you to study 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. They will also gain advanced training in social research methods and learn to conduct their own research into topics that fascinate them.

Languages

We provide a range of language modules in French, German, Spanish and Mandarin Chinese from beginners' level upwards. Students may take these modules as part of their degree, enter the programme at their level of competence and working upwards one semester at a time.

Placements and study exchange

All our undergraduate students have the opportunity to undertake a professional work placement during their degree, 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.

In recent years students in the School have completed placements with BP, Volkswagen, Molson Coors, IBM, Johnson & Johnson, Samsung Electronics, Bosch, Confederation of British Industry, PwC, National Grid, Renault, Department of Work and Pensions, Food Standards Agency, Bedfordshire Police, Instron and Sky.

Students also have an opportunity to spend a year (or a single semester of their degree) abroad by securing paid work teaching English to school children or studying at a partner university.

Employability

By allowing our students to develop a range of specialist and transferable skills, our courses open doors to a wide range of professions and career pathways.

Graduates from our courses are sought after for their insights into issues, policies and processes shaping society. They flourish in roles that demand advanced information handling and analytical skills. 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, civil service, public relations, law and the criminal justice system to name but a few.

RANKED 3RD

3RD IN UK FOR CRIMINOLOGY
THE GUARDIAN UNIVERSITY GUIDE 2022

2ND IN UK IN SOCIOLOGY
THE GUARDIAN UNIVERSITY GUIDE 2022

1st

1ST IN UK FOR STUDENT EXPERIENCE IN CRIMINOLOGY
THE TIMES AND SUNDAY TIMES GOOD UNIVERSITY GUIDE 2022

lboro.ac.uk/ug/cssp

Criminology

BSc (Hons) DPS/DIntS*: 4 years full-time with placement year
UCAS code: M900

BSc (Hons): 3 years full-time
UCAS code: M901

Typical offers
A level: ABB
IB: 34 (6,5,5 HL)
BTEC Level 3 National Extended Diploma: DDM (for other combinations please refer to the online prospectus)
GCSE: English Language grade 4/C

On this course you will develop a detailed understanding of the nature, scale and scope of crime and its causes. You will explore the criminal justice system and how it responds to crime, as well as the key factors relating to offender rehabilitation. The programme draws on both classic and contemporary approaches to crime prevention, as well as the impact of social problems such as poverty, inequality and social exclusion on criminal behaviour.

The degree brings together the theories and research methods used to understand crime, deviance and inequality in the UK and beyond. Throughout the course you will explore issues of social justice and learn about the ways in which crime and criminal justice policy and practice can be used to support and protect, but also further marginalise, some of the most vulnerable groups in society.

Year 1
Areas studied include introducing criminology, becoming a criminologist, crime and social welfare, understanding social policy, identities and inequalities, global, social, and cultural change and an introduction to research methods.

Year 2
Areas studied include criminological theory, the criminal justice system, crime prevention, intoxication and society and advanced research methods.

Optional placement/study year
Optional professional placement and/or overseas study.

Final year
Areas studied include youth justice, understanding policing, rehabilitation and recovery and a research-based criminology dissertation.

Graduate destinations
Recent graduate destinations include Alliance, Cheshire Constabulary, Deloitte, Deutsche Bank, Essex Police, GC Solicitors, HM Prison, Metropolitan Police, National Crime Agency, National Probation Service, NHS, Police/ Crime Commissioner, Probation Office, Victim Support, Warwickshire West Mercia Police, West Midlands Police.

**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
IB: 34 (6,5,5 HL)
BTEC Level 3 National Extended Diploma: DDM (for other combinations please refer to the online prospectus)
GCSE: English Language grade 4/C

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, globalization and inequality.

The degree brings together core and advanced modules in criminology and sociology. This gives students a unique ability to analyse intersections of criminal justice and social change from global processes of migration to 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 introduction to research methods.

Year 2
Areas studied include social theories, understanding policing, crime prevention, the criminal justice system, criminological theory, intoxication and society and advanced research methods.

Optional placement/study year
Optional professional placement and/or overseas study.

Final year
Areas studied include youth justice, rehabilitation and recovery, the individual and society, 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
IB: 34 (6,5,5 HL)
BTEC Level 3 National Extended Diploma: DDM (for other combinations please refer to the online prospectus)
GCSE: English Language grade 4/C

This course teaches students theories, methods and specialist knowledge needed to understand how identities, behaviours and lives are shaped by social, global and cultural structures giving 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 and digital technologies, to develop a detailed understanding of the changing social world. You will acquire practical skills in social research methods including surveys, interviews and focus groups as well as visual methods and digital ethnography.

Year 1
Areas studied include identities and inequalities, global, social and cultural change, sociological imagination, foundations in social sciences, and introduction to research methods.

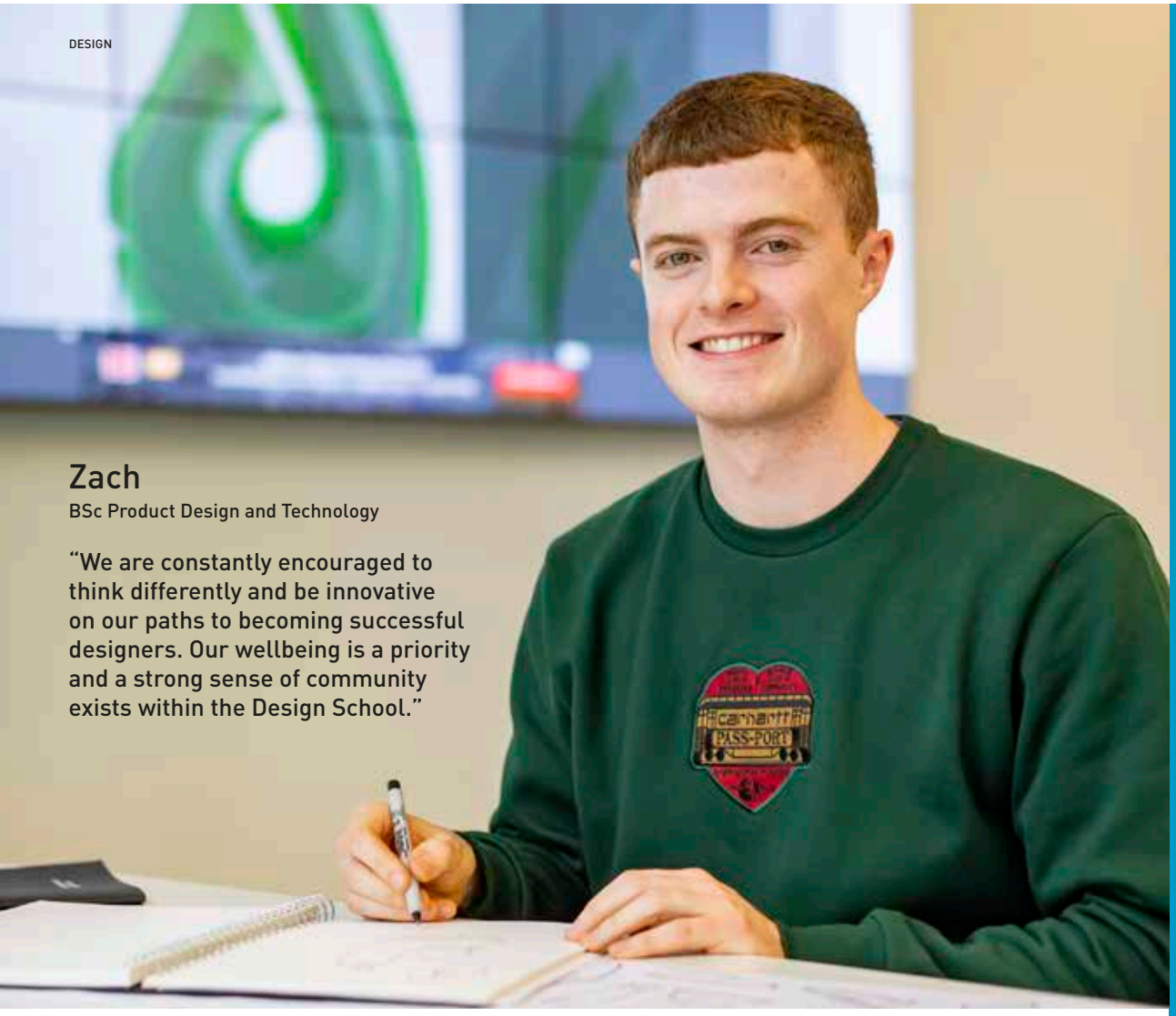
Year 2
Areas studied include social theories, globalisation and its consequences, digital lives and society, intoxication and society and advanced research methods.

Optional placement/study year
Optional professional placement and/or overseas study.

Final year
Areas studied include the individual and society, gender, sex and society and consumption, culture and everyday life and a research-based dissertation.

Graduate destinations
Recent graduate destinations include Barford Children's Services, BBC, Brandnation, British Gypsum, Care UK, Cleantech Group, Falcon Support Services, G4S, HSBC, Leicester Charity Link, Leicestershire Education Authority, Life Residential, Macmillan Science & Education, Multikids Foundation – Ghana, NHS South Yorkshire, Norfolk Youth Offending Team, PHA Media, Selfridges, Sky, The Small Charities Coalition.

**Diploma in Professional/International Studies*



Zach

BSc Product Design and Technology

"We are constantly encouraged to think differently and be innovative on our paths to becoming successful designers. Our wellbeing is a priority and a strong sense of community exists within the Design School."

Courses

BSc Product Design and Technology has recently undergone changes to ensure that teaching continues to be inclusive of the latest advances in design. As such we are currently seeking to renew accreditation with the Institution of Engineering Designers (IED) by early 2022.

Design

Why choose Design at Loughborough?

Our expertise is built upon the key design principles of aesthetics, technology, and understanding the user and their environment. We inspire our students to develop a wide range of skills and knowledge, while nurturing them to become highly successful and responsible designers. Our aim is to develop students into the next generation of talented designers that can effect meaningful global change. Our student designers are empowered to address and respond to a range of real-world issues – including physical/mental health and wellbeing, the climate crisis, food waste, and much more.

Our multi-disciplinary courses equip students with the essential skills and understanding for their respective design course. Such skills include the effective development and communication of design ideas; recognising and understanding the user and their interaction with products, service systems, and/or spaces; product styling; and use of a wide range of prototyping skills and technologies within design practice.

Facilities

Our state-of-the-art £21 million Design building is equipped with interconnecting workshops, studios, specialist technology and prototyping laboratories, display areas, and high specification computer facilities. Our specialist 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 and expertise in 3D scanning, motion capture, eye-tracking, and driving simulation.

Employability

Our aim is to produce talented, well-rounded, and original graduates who are fully equipped to launch successful careers within a variety of creative industries. The School of Design and Creative Arts is proud to nurture long-standing professional partnerships with a range of different employers and industry powerhouses, which our students can take advantage of. From paid, year-long industry placements to live briefs, competitions, guest lectures, and in-built skills development modules, students are exposed to countless opportunities to develop their employability.

Recent placement destinations include Unilever, Adidas, IBM, Bosch, Rolls Royce, Jaguar Land Rover, Microsoft, Priestman Goode, Lego, Walt Disney Company, and Mondelez.

Degree Show

Final year Design students are invited to exhibit their work at the University's annual Degree Show. The show enables them to showcase and promote their work to the public, as well as network with industry contacts and potential employers. A selection of final year students may also exhibit at the annual New Designers exhibition in London – the UK's premier graduate design exhibition, full of innovation and fresh thinking.

1ST IN UK
FOR DESIGN AND CRAFTS
THE GUARDIAN UNIVERSITY GUIDE 2022

2ND IN UK
FOR ART AND DESIGN
THE TIMES AND SUNDAY TIMES GOOD UNIVERSITY GUIDE 2022

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

£21M PURPOSE-BUILT DESIGN BUILDING

lboro.ac.uk/ug/design

Design

BA (Hons) DPS/DIntS*: 4 years full-time with placement year
UCAS code: W241

BA (Hons): 3 years full-time
UCAS code: W240

Typical offers
A level: ABB
IB: 34 (6,5,5 HL)
BTEC Level 3 National Extended Diploma: DDM in Art and Design (for other combinations please refer to the online prospectus)
GCSE: Maths and English Language grade 4/C

BA Design embraces creative exploration and independent judgement to educate designers as responsible, persuasive facilitators of change within their chosen specialism. Graduates of the course are able to enter the workplace as empathic, creative instigators of responses to future design challenges.

Year 1
Areas studied include the importance of design research and the role of the responsible designer, design practice ideation and concept development, methods of prototyping, interaction and experience design, ergonomics and human factors in design, designing for future contexts and storytelling.

Year 2
You will explore and apply the core theories, materials and technologies of Industrial Design, Experience Design, and Environments Design. There will be opportunity to specialise according to your interests as well as choose from a number of elective modules.

Optional placement/study year
Optional placement and/or study abroad year.

Final year
Working to a brief of your choosing you will demonstrate your skills in relation to the design development process, from initial research and concept generation, through to physical/digital product/service/space realisation and user evaluation. You will also explore and apply advanced user understanding and prototyping skills in relation to your chosen specialism.

Graduate destinations
Graduates in Design can pursue careers as design consultants, industrial designers, branding and retail designers, and user experience designers, as well as strategic roles as graduate design managers and design directors. Typical Loughborough Design graduate destinations have included: Adidas, Apple, Arrival, BBC, Deloitte Digital, Dior, Google, IBM, Lego, Unilever, Microsoft, NHS Digital, and Virgin Atlantic.

**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
IB: 34 (6,5,5 HL) including 5 in HL Physics or Maths
BTEC Level 3 National Diploma: DD plus grade B in A level Maths or Physics (for other combinations please refer to the online prospectus)
GCSE: English Language grade 4/C

BSc Product Design and Technology aims to educate and energise the next generation of product designers with skills that enable new product opportunities through applied research, tested prototypes and detailed designs. The course is underpinned by the concept of responsible design which is embodied through the consideration of ethical interaction with users and clients, and design which is inclusive and sustainable.

Year 1
Areas studied include design practice ideation and concept development, the importance of design research and the role of the responsible designer, ergonomics and human factors in product design, and technology and prototyping skills such as Computer Aided Design, electronics, mechanics, and workshop skills.

Year 2
Areas studied include the use of digital design and manufacturing technologies, consideration of materials and sustainability within the role as a responsible product designer, design communication techniques, electronics and mechanics, and design practice featuring advanced technology and prototyping skills, plus the option to choose an elective module.

Optional placement/study year
Optional placement and/or study abroad year.

Final year
Working to a brief of your choosing you will demonstrate your skills in relation to the design development process, from initial research and concept generation, through to physical/digital product/service/space realisation and user testing. You will also apply advanced technology and prototyping skills across a range of activities.

Graduate destinations
Graduates from this course have pursued careers as design consultants, product design engineers, engineers, graduate design managers, and design directors. Recent graduate destinations include McLaren Racing, Dyson, Gravity Industries, Williams Racing, Crux Product Design, Princess Yachts, Deloitte Technology Consulting, IBM iX, and Smallfry.

**Diploma in Professional/International Studies*

Industrial Design

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
IB: 34 (6,5,5 HL)
BTEC Level 3 National Extended Diploma: DDM in Art and Design (for other combinations please refer to the online prospectus)
GCSE: Maths and English Language grade 4/C

BA Industrial Design embraces creative exploration and independent judgement to educate designers as responsible, persuasive facilitators of change within the practice of Industrial Design.

Year 1
Areas studied include the importance of design research and the role of the responsible designer, design practice ideation and concept development, methods of prototyping, interaction and experience design, ergonomics and human factors in design, designing for future contexts and storytelling.

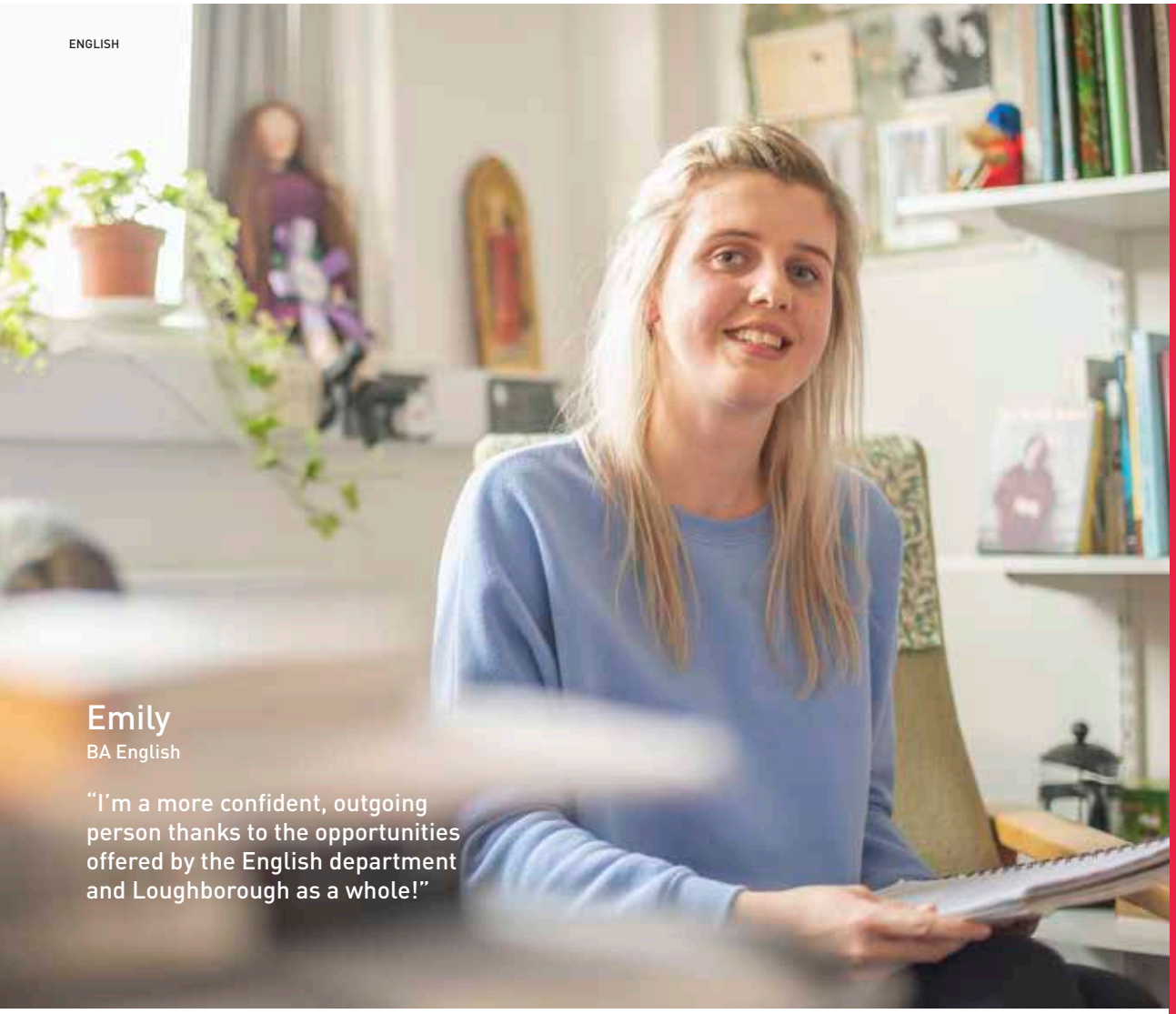
Year 2
You will explore and apply the core theories of Industrial Design in design practice, responding to user needs and speculative futures. You will also have the opportunity to choose from a number of elective modules that will help support your chosen identity as an industrial designer.

Optional placement/study year
Optional placement and/or study abroad year.

Final year
Working to a brief of your choosing you will demonstrate your skills in relation to the industrial design development process, from initial research and concept generation, through to physical realisation and user evaluation. You will also apply advanced technology and prototyping skills across a range of activities.

Graduate destinations
Graduates from this course have pursued careers as design consultants and industrial designers, as well as strategic roles as graduate design managers and design directors. Recent graduate destinations include Joseph & Joseph, Kinneir Dufort, L'Oreal, The Hut Group, Microsoft, Mondelēz International, Native, PA Consulting Group, Philips, PriestmanGoode and Proctor and Gamble.

**Diploma in Professional/International Studies*



Emily
BA English

"I'm a more confident, outgoing person thanks to the opportunities offered by the English department and Loughborough as a whole!"

Courses

You may also be interested in...

English and Liberal Arts

Why choose English or Liberal Arts at Loughborough?

We offer a unique, exciting, and ambitious range of English courses and a bespoke Liberal Arts degree, all taught by friendly and enthusiastic lecturers who are passionate about the subject and who are actively engaged in producing world-leading research.

Through our English degree modules, you will explore important works of English literature, analysing their historical and cultural contexts and asking crucial questions about how English both reflects and transforms the world around us. Our courses are designed to be interdisciplinary and wide-ranging, encompassing English literature and language, but also American literature, digital cultures, creative writing and film, so you can explore your particular interests.

On our Liberal Arts degree, you will be able to specialise in two out of the following three areas: History, English, and Art History and Visual Culture. Alongside this, you will be able to take courses from other disciplines in the School of Social Sciences and Humanities, including the chance to study a language through every semester of your degree.

A creative environment

The School offers welcoming teaching spaces where students can work quietly and collaboratively, and venues for literary and creative events. Our students organise and participate in a wide range of events and activities including film screenings, visiting lectures, workshops by creative writers, readings and creative writing evenings.

Languages

We provide a range of language modules in French, German, Spanish and Mandarin Chinese from beginners' level upwards. Students may take these modules as part of their degree, enter the programme at their level of competence and working upwards one semester at a time.

Placements and study exchange

All our undergraduate students have the opportunity to undertake a professional work placement during their degree. We have strong links with the creative industries and cultural sectors, 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.

Students also have an opportunity to spend a year (or a single semester of their degree) abroad by securing paid work teaching English to school children or studying at a partner university.

2ND IN UK FOR ENGLISH AND CREATIVE WRITING
THE GUARDIAN UNIVERSITY GUIDE 2022

1ST IN UK FOR GRADUATE PROSPECTS IN ENGLISH
THE COMPLETE UNIVERSITY GUIDE 2022

TOP 5 IN UK FOR OVERALL SATISFACTION IN ENGLISH
NSS 2021

lboro.ac.uk/ug/english

English

BA (Hons) DPS/DIntS*: 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)
IB: 35 (6,6,5 HL) including HL English
BTEC Level 3 National Diploma: DD plus A level English grade B (for other combinations please refer to the online prospectus)

This course is highly flexible, allowing you to pick and choose from a mix of core and optional modules. Whether you are 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, forms of narrative, 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 progress to 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) DPS/DIntS*: 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)
IB: 35 (6,6,5 HL) including HL English
BTEC Level 3 National Diploma: DD plus A level English grade B (for other combinations please refer to the online prospectus)

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 sport in relation to the social sciences.

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 can include teaching physical education, performance psychology and an optional dissertation.

Graduate destinations
Graduate destinations include British Swimming, Williams Group, Norbert Dentressangle, Panini Group, British Gymnastics and Marriott International. Postgraduate opportunities exist for further study and/or research.

**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) DPS/DIntS*: 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)
IB: 35 (6,6,5 HL) including HL English
BTEC Level 3 National Diploma: DD plus A level English grade B (for other combinations please refer to the online prospectus)

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 including how to analyse poetry, the study of language, literary theory, forms of narrative, and the major periods of literary history.

You will 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, 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 Shakespeare and adaptation, as well as choices from a range of optional modules.

Graduate destinations
Graduates from our English courses have entered careers in arts administration, 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) DPS/DIntS*: 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)
IB: 35 (6,6,5 HL) including HL English
BTEC Level 3 National Diploma: DD plus A level English grade B (for other combinations please refer to the online prospectus)

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 or working in Marketing after University.

Year 1
Areas studied include forms of narrative, 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 and accounting for managers.

Optional placement/study year
Optional professional placement and/or overseas study.

Final year
Areas studied include 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, 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) DPS/DIntS*: 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)
IB: 35 (6,6,5 HL) including HL English
BTEC Level 3 National Diploma: DD plus A level English grade B (for other combinations please refer to the online prospectus)

This course offers great flexibility through its mixture of optional and core 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 you will be encouraged to reflect analytically and critically on your development as writers. You will also be required to undertake a major piece of creative writing as part of your dissertation in the final year.

Year 1
Areas studied include forms of narrative, 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, advertising, archiving, the civil service, creative arts, journalism, human resources, marketing, product development, management, broadcast 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.

Liberal Arts

BA (Hons) DPS/DIntS*: 4 years full-time with placement year
UCAS code: Y001

BA (Hons): 3 years full-time*
UCAS code: Y002

Typical offers
A level: AAB
IB: 35 (6,6,5 HL)
BTEC Level 3 National Extended Diploma: DDM (for other combinations please refer to the online prospectus)
GCSE: English Language grade 4/C

Liberal Arts students create a programme of studies tailored to their own interests while acquiring deep specialist knowledge. The programme is structured around three pathways – English, History, and Art History and Visual Culture – that are combined with optional choices selected from a range of complementary areas which may include Communication and Media, Modern Languages, Philosophy, and Sociology.

Though in your pathways you are studying different disciplines, you will learn how to bind these together, forging and applying new ways of thinking.

Year 1
Areas studied include introduction to liberal arts, literary periods, genres and themes from the seventeenth century to the present, Atlantic history, modern and contemporary art and design as well as optional modules.

Year 2
Areas studied include research methods in liberal arts, modern digital and visual cultures, British colonial history, culture, periods of literary history, and drama and film.

Optional placement/study year
Optional professional placement and/or overseas study.

Final year
Areas studied include postcolonial history, literary culture and history, fashion theory and a liberal arts focused project.

Graduate destinations
Career destinations for Liberal Arts graduates can include finance, technology companies, NGOs, media, publishing, heritage, education, and the public sector. Typical roles include public relations, social media and marketing, brand ambassador, project or events manager, journalist or editor, broadcasting or media researcher, or CEO of your own business.

**Diploma in Professional/International Studies*

Ashley

MEng Aeronautical Engineering
with a Foundation Year

"My foundation year gave me the knowledge and skills I needed to excel in my degree. By doing the foundation, the first year was less daunting, giving me the confidence to succeed."

Courses

Foundation Studies

Why choose Foundation Studies at Loughborough?

Our Foundation Studies programme enables entry into a wide variety of degree courses for students that have not studied the correct subjects for their chosen discipline, or not achieved the qualifications required, perhaps due to illness, family issues or other commitments. Offers will not normally be made to those who apply simply because their qualifications achieved/predicted are below the requirement for direct entry to the degree programme.

Our foundation courses are well established, integrated programmes, 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 a wide range of 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 is excellent preparation for the transition into university life.

Facilities

You will have access to a wide range of first-class facilities. STEMLab is a 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.

Students taking Art and Design Foundation Studies have access to the same facilities as students on our undergraduate Creative Arts courses (see page 109 for more details).

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 onto 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, such as mature students returning to education, care leavers, those with alternative backgrounds and qualifications, or students who did not meet their expected entrance requirements due to adverse situations.

GUARANTEED ENTRY ONTO CHOSEN COURSE*
*PROVIDING RELEVANT PROGRESSION REQUIREMENTS ARE MET

PATHWAYS AVAILABLE FOR ELITE ATHLETES

RANGE OF OPTIONS DESIGNED SPECIFICALLY FOR INTERNATIONAL STUDENTS

lboro.ac.uk/ug/foundation

Foundation Studies

These courses provide a 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
- Biological Sciences
- Chemical Engineering
- Chemistry
- Civil Engineering and Architectural Engineering
- Computer Science
- Electronic and Electrical Engineering
- Engineering Management
- Geography
- Humanities
- International Relations
- Manufacturing Engineering
- Materials Science and Engineering
- Mathematics
- Mechanical Engineering
- Natural Sciences
- Physics
- Product Design and Technology
- Product Design Engineering
- Robotics, Mechatronics and Control Engineering
- Social Sciences
- Sports Technology

For more information on typical offers, course content and how to apply, visit our website.

lboro.ac.uk/ug/foundation

Elite athletes

Our foundation programme now also offers the opportunity for students performing at a very high standard, looking to join one of our performance programmes and study at Loughborough, but do not have the required qualifications due to sporting commitments. It is ideal for students who wish to combine their sports training with academic study.

A full complement of quality Support Services will be available to those on Sports with a Performance Programme. You can find out more by visiting: lboro.ac.uk/sport/performance

Elite athletes can progress to degree courses in the following subject areas:

- Accounting
- Aeronautical Engineering
- Automotive Engineering
- Bioengineering
- Biological Sciences
- Business
- Chemical Engineering
- Chemistry
- Civil Engineering and Architectural Engineering
- Computer Science
- Economics
- Electronic and Electrical Engineering
- Engineering Management
- Finance
- Geography
- Human Biology
- Humanities
- International Relations
- Management
- Manufacturing Engineering
- Materials Science and Engineering
- Mathematics
- Mechanical Engineering
- Natural Sciences
- Physics
- Product Design and Technology
- Product Design Engineering
- Psychology
- Social Sciences
- Sport and Exercise Psychology
- Sport and Exercise Science
- Sport Science, Coaching and Physical Education
- Sport Management
- Sports Technology

Continuation to these courses is guaranteed by achievement of the specific progression criteria.

We generally define 'elite athlete level' as competing at junior international level or higher, or expecting to do so within the next 12 months.

If you think your sporting profile qualifies you to be considered for the elite athletes programme, please contact **performancesport@lboro.ac.uk** before applying.

For more information on typical offers, course content and how to apply, visit our website.
lboro.ac.uk/ug/foundation

**Defined as competing at junior international level or higher, or expecting to do so in the next 12 months.*

International Foundation Studies

These courses are taught alongside our Foundation Studies programme by the same highly-qualified staff. They are designed for high-calibre international students who have not studied the prerequisite subjects or do not have the required English qualification.

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/ug/international-foundation

Art and Design Foundation Studies

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.

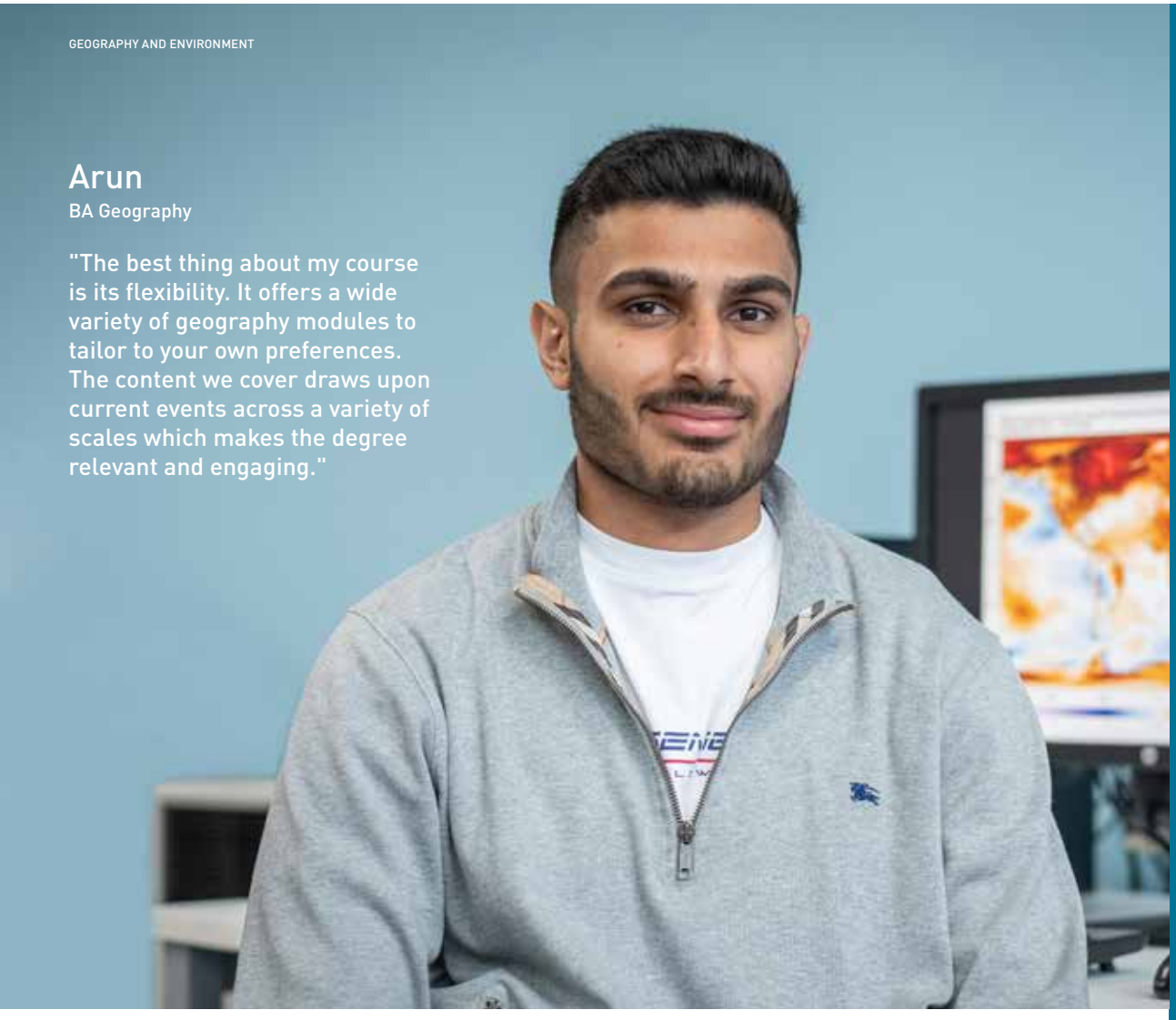
Foundation students have access to the same Creative Arts facilities as students on our undergraduate courses, and can experience all the following areas of art and design before choosing one specialism:

- 3D Design
- Textiles and Fashion
- Fine Art
- Visual Communication

Please refer to the section on Creative Arts (pages 108-113) for more extensive information about Art and Design Foundation Studies and its progression routes.

lboro.ac.uk/creative-arts/foundation

Please note this is a Further Education course rather than a Higher Education course and is independent of the other foundation courses on offer.



Arun

BA Geography

"The best thing about my course is its flexibility. It offers a wide variety of geography modules to tailor to your own preferences. The content we cover draws upon current events across a variety of scales which makes the degree relevant and engaging."

Courses

Our Geography and Geography with Economics courses are accredited by:

Royal Geographical Society with IBG Accredited Programme

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 dedicated academic, research and support staff, 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.

Languages

We provide a range of language modules in French, German, Spanish and Mandarin Chinese from beginners' level upwards. Students may take these modules as part of their degree, enter the programme at their level of competence and working upwards one semester at a time.

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.

Accreditation

All our eligible courses (BA Geography; BSc Geography; BSc Geography with Economics) are accredited by the Royal Geographical Society (with IBG).

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, Namibia and Wales.

Placements and study exchange

All our undergraduate students have the opportunity to undertake a professional work placement during their degree. Students also have an opportunity to spend a year (or a single semester of their degree) abroad by securing paid work teaching English to school children or studying at a partner university.

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.

TOP 10

TOP 10 IN UK FOR GEOGRAPHY AND ENVIRONMENTAL STUDIES
THE GUARDIAN UNIVERSITY GUIDE 2022

TOP 5 IN UK FOR STUDENT EXPERIENCE IN GEOGRAPHY AND ENVIRONMENTAL SCIENCES
THE TIMES AND SUNDAY TIMES GOOD UNIVERSITY GUIDE 2022

TOP 10

TOP 10 IN UK FOR AVERAGE SALARY 3 YEARS POST-GRADUATION FOR GEOGRAPHY
LONGITUDINAL EDUCATION OUTCOMES 2021 FOR GEOGRAPHY, EARTH AND ENVIRONMENTAL STUDIES

lboro.ac.uk/ug/geography

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 (for other combinations please refer to the online prospectus)
GCSE: English Language grade 4/C

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, economic and political geography, social and cultural geography, 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 abroad 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 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 (for other combinations please refer to the online prospectus)
GCSE: English Language grade 4/C

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 science.

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 (for other combinations please refer to the online prospectus)
GCSE: English Language grade 4/C

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 physical education, and physical activity and health of children.

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 (for other combinations please refer to the online prospectus)
GCSE: English Language grade 4/C

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 economics of the financial system and history of economic thought.

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 economics of social issues, transport economics, and international economic relations.

Graduate destinations
Our graduates are appointed to posts across a full range of industries and sectors, including 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*

Chris

BA Politics

"I enjoy the breadth of teaching that is on offer, the variety allows you to develop a broad understanding of current and past events."

Courses

You may also be interested in...

International Relations, Politics and History

Why choose International Relations, Politics and History at Loughborough?

International Relations, Politics and History is a multi-disciplinary community in which you will be challenged to review and question not just your knowledge, but how you acquire knowledge.

Our Politics and International Relations programmes help you to interpret the past, understand the present and determine your own future. We 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.

Our History programmes 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.

Teaching and learning

Academics in this division 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 and the Institute for Education.

In addition to the more traditional forms of assessment, our students can expect to be set a wide variety of assessment types that could include designing and delivering a poster presentation, the use of film, writing a political blog or speech to role play simulation exercises.

Languages

We provide a range of language modules in French, German, Spanish and Mandarin Chinese from beginners' level upwards. Students may take these modules as part of their degree, enter the programme at their level of competence and working upwards one semester at a time.

Placements and study exchange

We encourage and support students who wish to undertake a year-long work placement during their degree. In recent years students in the School have completed placements with BP, Volkswagen, Molson Coors, IBM, Johnson & Johnson, Samsung Electronics, Bosch, Confederation of British Industry, PwC, National Grid, Renault, Department of Work and Pensions, Food Standards Agency, Bedfordshire Police, Instron and Sky.

Students also have an opportunity to spend a year (or a single semester of their degree) abroad by securing paid work teaching English to school children or studying at a partner university.

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.

TOP 5 IN UK FOR OVERALL SATISFACTION IN HISTORY
NSS 2021

TOP 5 IN UK FOR GRADUATE PROSPECTS IN HISTORY
THE COMPLETE UNIVERSITY GUIDE 2022

TOP 10 IN UK FOR STUDENT EXPERIENCE IN POLITICS
THE TIMES AND SUNDAY TIMES GOOD UNIVERSITY GUIDE 2022

lboro.ac.uk/ug/irph

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
IB: 34 (6,5,5 HL)
BTEC Level 3 National Extended Diploma: DDM (for other combinations please refer to the online prospectus)
GCSE: English Language grade 4/C

This course was 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 Europe, 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, Jim Crow America, Post-Colonial Studies, the British Empire, and Soviet security.

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
IB: 34 (6,5,5 HL)
BTEC Level 3 National Extended Diploma: DDM (for other combinations please refer to the online prospectus)
GCSE: English Language grade 4/C

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, Jim Crow America, the British Empire, Soviet security, 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
IB: 34 (6,5,5 HL)
BTEC Level 3 National Extended Diploma: DDM (for other combinations please refer to the online prospectus)
GCSE: English Language grade 4/C

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, Jim Crow America, the British Empire, Soviet security, the Asia-Pacific, Politics of Militarism, Postwar 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*

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
IB: 34 (6,5,5 HL)
BTEC Level 3 National Extended Diploma: DDM (for other combinations please refer to the online prospectus)
GCSE: English Language grade 4/C

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, British politics 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
IB: 34 (6,5,5 HL)
BTEC Level 3 National Extended Diploma: DDM
GCSE: English Language grade 4/C

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 British politics and government, 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 political history.

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
IB: 34 (6,5,5 HL)
BTEC Level 3 National Extended Diploma: DDM (for other combinations please refer to the online prospectus)
GCSE: English Language grade 4/C

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, British democratic institutions and recent European history.

Year 2
Areas studied include European government and politics, the EU, small wars, security, political simulation, political thought, US political history 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, Postwar 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*

INTERNATIONAL RELATIONS, POLITICS AND HISTORY

Politics, Philosophy and Economics

BA (Hons) DPS/DIntS*: 4 years full-time with placement year
UCAS code: L0V0

BA (Hons): 3 years full-time
UCAS code: L0V1

Typical offers
A level: AAB
IB: 35 (6,6,5 HL)
BTEC Level 3 National Extended Diploma: DDD (for other combinations please refer to the online prospectus)
GCSE: Maths and English Language grade 6/B

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, populism, conflict, the economics of social issues, international economic relations.

Graduate destinations
This programme recognises the fact that graduates increasingly require digital and presentational skills when researching and reporting on findings. Graduates will be given experience of new and relevant models of training with an eye on vocational as well as intellectual opportunities. Potential careers can include investment banking, professional services, technology, media and the public sector. Typical roles might include: marketing and sales; project or events manager; market researcher; or even a CEO of your own enterprise.

**Diploma in Professional/International Studies*

Jason

MEng Materials Science and Engineering

"My Loughborough degree has helped me develop a range of scientific, technical skills and knowledge, in addition to other useful skills, such as management and communication."

Courses

Biomaterials Engineering	144
Materials Science and Engineering	144
Foundation Studies	128

You may also be interested in...

Architectural Engineering	71
Bioengineering	76
Civil Engineering	71
Engineering Physics	165
Natural Sciences	160
Physics	164
Product Design Engineering	156
Product Design and Technology	120

Our Materials courses are accredited by:

I·M3 Institute of Materials, Minerals & Mining

Materials

Why choose Materials at Loughborough?

Materials is the meeting point of science, engineering and design – it examines how things are made and how they can be improved. Developments in materials are helping to solve grand challenges, such as providing us with more abundant and cleaner energy, and advanced biomaterials able to repair damage to the human body. Materials is a discipline which influences every aspect of our lives, from the cars, buses and trains that get us around, to the packaging that contains our breakfast cereals, and to the very fabric of the buildings that we work and live in. Our courses study the developments of materials needed for new technologies and products, finding better, cheaper, and more sustainable ways of making the things that society needs.

Professional recognition

Our established courses are accredited to help you toward professional qualifications, such as Chartered Engineer (CEng). We finance membership of the Institute of Materials, Minerals and Mining (IoM3) for all students to help you establish your professional networks.

Placement year and study abroad

A year abroad or in industry, applying knowledge to real problems and gaining a professional insight into the field of engineering, is exceptionally valuable and is a considerable advantage in the search for graduate employment. Our dedicated Placements team support students in sourcing and securing opportunities. Our students have gained invaluable experience at 3M, ExxonMobil, IBM, Jacobs Douwe Egberts, and Pfizer, among others.

Facilities

Our newly refurbished building houses an extensive array of industrial and pilot scale materials processing machines and equipment for preparation, formulation and testing. You'll also benefit from a specially designed suite of laboratories built for practical work in materials within our £17 million STEMLab.

Our extensive laboratories contain industry-standard equipment in materials processing, testing, analysis, electron microscopy, x-ray, thermal and surface analysis. Our state-of-the-art Loughborough Materials Characterisation Centre is used by industry too, meaning that you'll be exposed to real-life challenges.

Employability

Over time, we have developed a significant reputation for innovation and quality with leading industrial partners, who have high regard for our graduates, their degrees and our research.

Graduate roles span technical, production, project and research management, through to quality, technical support, marketing and business careers. Recent graduate destinations include: Bentley Motors Ltd, Bombardier, Caterpillar, JCB, Lockheed Martin, Meggitt, and Nissan.

1st
1ST IN UK FOR OVERALL SATISFACTION IN MATERIALS TECHNOLOGY
NSS 2021

2ND
2ND IN UK FOR MATERIALS AND MINERAL ENGINEERING
THE GUARDIAN UNIVERSITY GUIDE 2022

TOP 5
TOP 5 IN UK FOR GRADUATE PROSPECTS
THE TIMES AND SUNDAY TIMES GOOD UNIVERSITY GUIDE 2022

£
AVERAGE STARTING SALARY £28,000
*GRADUATE OUTCOMES SURVEY, 2018 GRADUATES**

UNDERTAKE A YEAR IN INDUSTRY AND GAIN AN ADDITIONAL AWARD OF DIPLOMA IN INDUSTRIAL STUDIES (DIS)

lboro.ac.uk/ug/materials

** Average salary 15 months post-graduation – UK domiciled, first degree students completing a Materials Technology related degree.*

Biomaterials Engineering

MEng (Hons) DIS/DPS/DIntS*: 5 years full-time with placement year
UCAS code: J5BX

MEng (Hons): 4 years full-time
UCAS code: J5BW

BEng (Hons) DIS/DPS/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) in a relevant subject with distinctions in Maths units
GCSE: Maths and English Language grade 4/C

This course will teach you the fundamentals of materials, their properties and engineering methods, and how to apply these to the biomedical field, particularly within the human body.

Year 1
Areas studied include experimental and computational modules, materials processing, design and applications, and mathematics. All materials courses have a common first year, in which students study the foundations of materials.

Year 2
Areas studied include biomaterials, anatomy and physiology, fracture mechanics, and materials in service, and an introduction to chemical and biochemical processing all provide a firm grounding in biomaterials and their applications.

Optional placement/study abroad year
Optional professional placement and/or overseas study.

Year 3
Areas studied include advanced modules in biomedical component design, biomaterials, and biochemical engineering. You will also carry out an in-depth research project.

Year 4 (MEng only)
Areas studied include biomaterials, biochemical engineering, materials characterisation and modelling, as well as a substantial design project.

Graduate destinations
Our graduates are well-regarded and find career opportunities in a range of industries, including health, sport and lifestyle, regenerative medicine, and biomaterials and medical device technology.

**Diploma in Industrial/Professional/International Studies*

Materials Science and Engineering

MEng (Hons) DIS/DPS/DIntS*: 5 years full-time with placement year
UCAS code: J503

MEng (Hons): 4 years full-time
UCAS code: J502

BEng (Hons) DIS/DPS/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 units
GCSE: Maths and English Language grade 4/C

This course covers the scientific, engineering and design aspects of materials, relevant across a huge range of industrial sectors and research areas.

Year 1
Areas studied include experimental and computational modules, materials processing, design and applications and mathematics. All materials courses have a common first year, in which students study the foundations of materials.

Year 2
Areas studied include fracture mechanics, materials characterisation, the behaviour of materials in service, mathematics and statistics, and a group design project.

Optional placement/study abroad year
Optional professional placement and/or overseas study.

Year 3
Areas studied include advanced modules in nanomaterials, surface engineering and principles of materials, whilst students also carry out an in-depth research project.

Year 4 (MEng only)
Areas studied include advanced modules in materials characterisation and modelling, and a substantial group design project.

Graduate destinations
BAE Systems, British Glass, Dyson, Fluor Ltd, Jaguar Land Rover, JCB and Meggitt, among others.

**Diploma in Industrial/Professional/International Studies*

Bioengineering

MEng (Hons) DIS/DPS/DIntS*: 5 years full-time with placement year
UCAS code: H163

MEng (Hons): 4 years full-time
UCAS code: H162

BEng (Hons) DIS/DPS/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) or AAB (BEng) including Maths. Plus one from Chemistry, Biology and 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
GCSE: Maths and English Language grade 4/C

Bioengineering is a cutting edge, multidisciplinary field that applies engineering and technology principles to biological and medical problems. It aims to improve human health by combining engineering and medical expertise to develop and enhance new healthcare solutions.

For more information please see page 76.

Dobroslav

BSc Financial Mathematics

"The opportunity to complete a placement year and the strong ties established with industry leaders give you a significant advantage in an increasingly competitive job market."

Courses

You may also be interested in...

Several of our Mathematics courses are accredited by one or more of the following:

Institute of mathematics & its applications

ACCREDITED PROGRAMME ACCA

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 in itself, 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.

Support with your learning

The award-winning Mathematics Learning Support Centre adds value to your studies with one-to-one drop-in help available from a member of academic staff plus an extensive variety of free-to-use printed and online resources.

Placement year and study abroad

Every course offers an opportunity of a year-long professional placement leading to the award of the Diploma in Professional Studies (DPS). 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 apply to spend a year studying at an overseas university through our student exchange scheme, leading to the award of the Diploma in International Studies (DIntS). Current University-wide and Departmental agreements offer exchange opportunities with universities in Australia, China, France, Germany, Greece, India, Italy, Japan, Singapore and the USA (places available in a particular year are confirmed on the application form).

Career prospects

Potential careers include actuarial work, computing, financial work, management, engineering, scientific research, design and development, and statistical work, as well as teaching and lecturing.

ONE-TO-ONE DROP-IN SUPPORT FROM THE MATHEMATICS LEARNING SUPPORT CENTRE

ALL ELIGIBLE COURSES ACCREDITED BY THE INSTITUTE OF MATHEMATICS AND ITS APPLICATIONS (IMA)

£27,000 MEDIAN ANNUAL SALARY
*GRADUATE OUTCOMES SURVEY, 2019 GRADUATES**

TOP 10 IN UK FOR MATHEMATICS
THE GUARDIAN UNIVERSITY GUIDE 2022

TOP 10 IN UK FOR OVERALL SATISFACTION IN MATHEMATICS
NSS 2021

lboro.ac.uk/ug/maths

** Average salary 15 months post-graduation – UK domiciled, first degree students completing a Mathematics related degree.*

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 (for other combinations please refer to the online prospectus)
GCSE: English Language grade 4/C

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 analysis, mathematical methods, differential geometry and topology, probability, and differential equations 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 (for other combinations please refer to the online prospectus)
GCSE: English Language grade 4/C

Mathematics plays a crucial role in the financial services industry and our Financial Mathematics BSc (Hons) degree prepares graduates for careers in the industry by equipping them with knowledge and understanding of both financial matters and the relevant mathematics.

The course includes modules in probability theory, stochastic processes, statistical modelling, corporate finance, and asset pricing, enabling you to gain an understanding of the 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, financial economics, 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 (for other combinations please refer to the online prospectus)
GCSE: English Language grade 4/C

This degree is equally divided between maths and business subjects, 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, and probability and statistics) with modules essential to your potential future career (financial accounting, law, markets, derivatives, macro and microeconomics). This course is accredited by the Association of Chartered Certified Accountants.

Year 1
Areas studied include mathematical methods, linear algebra, probability and statistics, financial accounting, macro and microeconomics, and law.

Year 2
Areas studied include analysis, probability theory, mathematical methods, 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 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 (for other combinations please refer to the online prospectus)
GCSE: English Language grade 4/C

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 will 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 has been ranked 1st in the world for sports-related studies for three years running 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 compulsory modules in analysis, mathematical methods, biomechanics, and physiology, and optional mathematics modules including probability theory, applied statistics, complex analysis, and statistical modelling.

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, Socatots, Reckitt Benckiser, Royal Caribbean International, and 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 (for other combinations please refer to the online prospectus)
GCSE: English Language grade 4/C

This course provides a thorough grounding in mathematics combined with a substantial statistics and probability component, giving you the tools required to succeed in our 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 analysis, 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, statistics for large data, 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 (for other combinations please refer to the online prospectus)
GCSE: English Language grade 4/C

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 analysis, mathematical methods, 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.

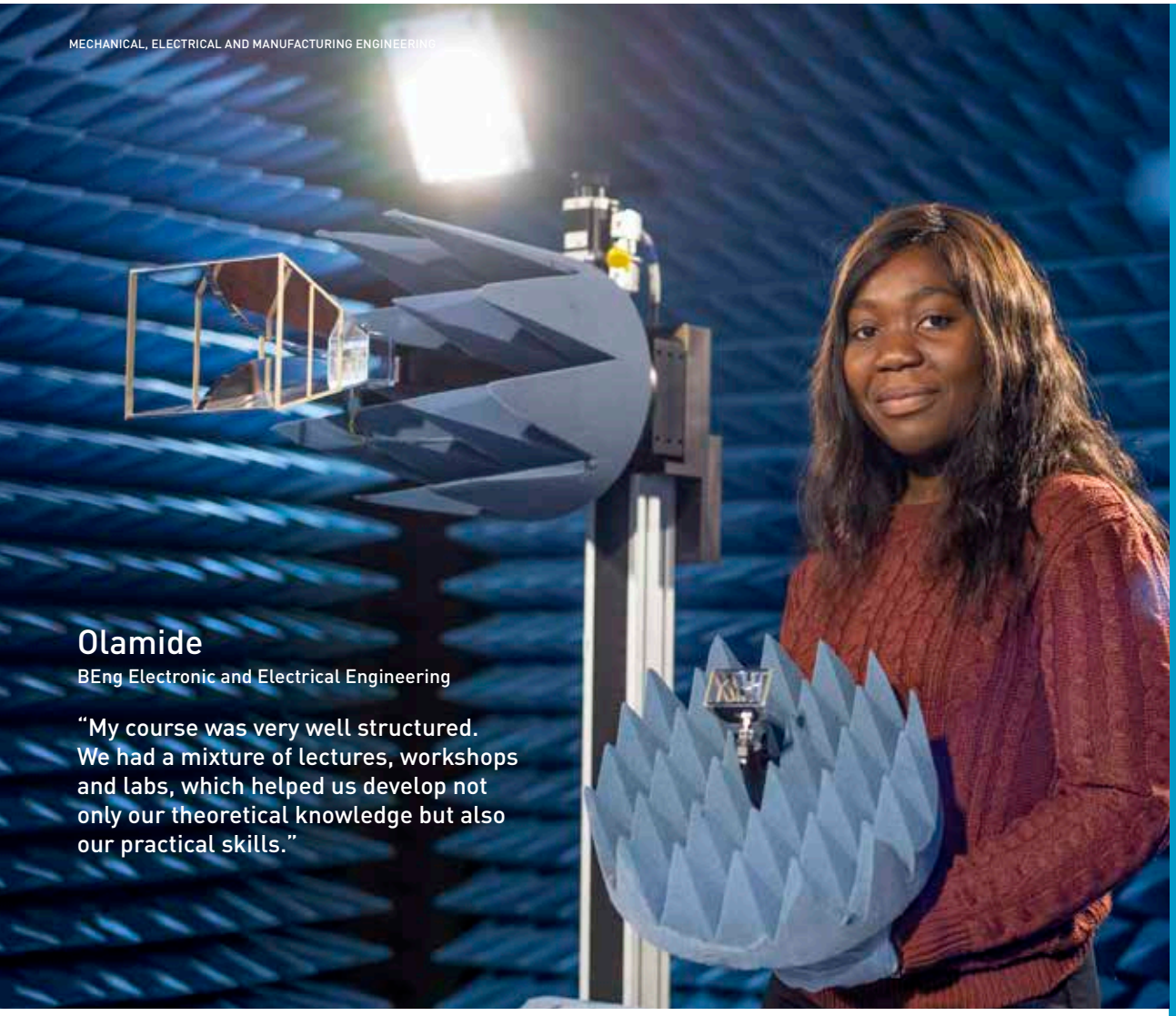
Final year

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*



Olamide

BEng Electronic and Electrical Engineering

"My course was very well structured. We had a mixture of lectures, workshops and labs, which helped us develop not only our theoretical knowledge but also our practical skills."

Courses

You may also be interested in...

Our courses* are accredited by:

Engineering Council accredited degree

iED support inspire achieve

IET The Institution of Engineering and Technology

Institution of MECHANICAL ENGINEERS

*See course listings for details.

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 within the School are 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).

Placement year and study abroad

A year in industry, applying knowledge to real problems and gaining an insight into the field of engineering, is exceptionally valuable and is a considerable advantage in the search for graduate employment.

Our dedicated Placements Team support students in sourcing placements and the application process at a wide range of organisations, leading to an additional award of a Diploma in Industrial Studies (DIS) or Diploma in Professional Studies (DPS). In recent years, our students have gained invaluable experience at major companies including Adidas, ARM, Dyson and Rolls-Royce.

If you are interested in travelling whilst you study, there are placement opportunities in other countries too, as well as options to spend one semester at an overseas university.

Facilities

There are laboratories for disciplines such as additive manufacturing, communications, control, design, electronics, internal combustion (IC) engines, manufacturing technologies, materials, mechatronics, metrology, optical engineering, programming, robotics, structural integrity, tribology and many others.

Our computer numerical control (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 support undergraduate students in electrical, electronic and power engineering.

RANKED 5th

5TH IN UK FOR ELECTRONIC AND ELECTRICAL ENGINEERING
THE GUARDIAN UNIVERSITY GUIDE 2022

TOP 10

TOP 10 IN UK FOR MECHANICAL ENGINEERING
THE TIMES AND SUNDAY TIMES GOOD UNIVERSITY GUIDE 2022

TOP 10 IN UK FOR MANUFACTURING AND PRODUCTION ENGINEERING
THE COMPLETE UNIVERSITY GUIDE 2022

NO. 1

NO. 1 IN THE WORLD FOR SPORTS-RELATED SUBJECTS
QS WORLD UNIVERSITY RANKINGS BY SUBJECT 2017, 2018, 2019, 2020 AND 2021

ATHENA SWAN BRONZE AWARD COMMITMENT TO GENDER EQUALITY

lboro.ac.uk/ug/meme

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) (for other combinations please refer to the online prospectus)
GCSE: English Language grade 4/C

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 abroad
Optional professional placement or overseas study.

Year 3/4 and final year
Areas studied include management theory, digital interfacing and instrumentation, electronic systems design with field-programmable gate arrays, embedded systems design and implementation, finance, law and quality, a group project (MEng only), an individual project, plus other optional modules.

Graduate destinations
Airbus, ARM, BAE Systems, Hitachi Data Systems, IBM, Jaguar Land Rover, Ministry of Defence, Quanta Fluid Systems, Rolls-Royce, Royal Navy, Telesoft Technologies and Vodafone.

**Diploma in Industrial/International Studies*

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) (for other combinations please refer to the online prospectus)
GCSE: English Language grade 4/C

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 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 abroad
Optional professional placement 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, a group project (MEng only), 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 (for other combinations please refer to the online prospectus)
GCSE: English Language grade 4/C

One of a few Engineering Management courses in the UK providing a specialist opportunity to understand 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 course provides 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 abroad
Optional professional placement 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, product design, plus other optional modules.

Graduate destinations
Hazlewoods LLP, Hikma Pharmaceuticals, Jaguar Land Rover, Jasmin Design, JP Morgan, Krontec Design, PwC, RAF, Rolls-Royce, 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) (for other combinations please refer to the online prospectus)
GCSE: English Language grade 4/C

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.

Our IET and IMechE accredited 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 abroad
Optional professional placement or overseas study.

Year 3/4 and final year
Areas studied include additive manufacture, advanced manufacturing processes, a group project (MEng only), an individual project, lean operations, project management, polymer processing and manufacturing, plus other optional modules.

Graduate destinations
3M, Ford, Jaguar Land Rover, JCB, Mondelēz International, Procter & Gamble, Rolls-Royce and Triumph.

**Diploma in Industrial/Professional/International Studies*

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) (for other combinations please refer to the online prospectus)
GCSE: English Language grade 4/C

Our IMechE and IET accredited courses apply 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 are experienced, providing technical expertise and integration of skill sets.

Year 1/2
Areas studied include control engineering, design, dynamics, electronic systems, engineering computation, fluid mechanics, heat transfer, an industry-based project, materials and manufacturing processes, mathematics, mechanics, statics, and thermodynamics.

Optional placement/study abroad
Optional professional placement or overseas study.

Year 3/4 and final year
Areas studied include computer aided engineering, computer control and instrumentation, energy systems analysis, engineering design management, computational fluid dynamics, finite element analysis, IC engines, robotics and control, an individual project, a group project (MEng only), plus other optional modules.

Graduate destinations
BAE Systems, Barclays, BMW, British Sugar, Caterpillar, Cummins, GSK, McLaren Automotive, Mercedes AMG, 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) (for other combinations please refer to the online prospectus)
GCSE: English Language grade 4/C

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.

Our IET, IED and IMechE accredited 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 abroad
Optional professional placement or overseas study.

Year 3/4 and final year
Areas studied include engineering management, innovation management, an individual project, a group project (MEng only), project management, sustainable product design, plus other optional modules.

Graduate destinations
Bosch, Coca-Cola European Partners, Cooper Industries, Dyson, Hawk-Eye Innovations, Jaguar Land Rover, JCB, Mondelēz International, Rolls-Royce, Schlumberger, 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) (for other combinations please refer to the online prospectus)
GCSE: English Language grade 4/C

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, dynamic systems analysis, electronics, circuits, project management, programming, industrial project, mechanics, mathematics, and planning and control.

Optional placement
Optional professional placement.

Year 3/4 and final year
Areas studied include management theory, interfacing, digital and state space control, finance, law and quality, a group project (MEng only), an individual project, manufacturing automation and control, mechatronic system design, applications theory, systems engineering, plus other optional modules.

Graduate destinations
As a new course, there are no graduates yet. The course 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 Studies/International Studies*

Sports Technology

MEng (Hons) DIS/DPS*: 5 years full-time with placement year
UCAS code: C651

MEng (Hons): 4 years full-time
UCAS code: C650

BEng (Hons) DIS/DPS*: 4 years full-time with placement year
UCAS code: HC76

BEng (Hons): 3 years full-time
UCAS code: CH67

Typical offers
A level: AAA (MEng) / ABB or AAC (BEng)
IB: (MEng) 37 (6,6,6 HL) / (BEng) 34 (6,5,5 HL)
BTEC Level 3 National Extended Diploma: D*D*D* (MEng) / D*DD (BEng) (for other combinations please refer to the online prospectus)
GCSE: (MEng) GCSE grade 8/A* or AS level grade A in Maths / (BEng) GCSE grade 7/A or AS level grade C in Maths and GCSE English Language grade 4/C

Sports Technology focuses upon the design and manufacture of sports equipment, covering industrial design, human factors and marketing for the equipment sector.

Our IED and IET accredited 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.

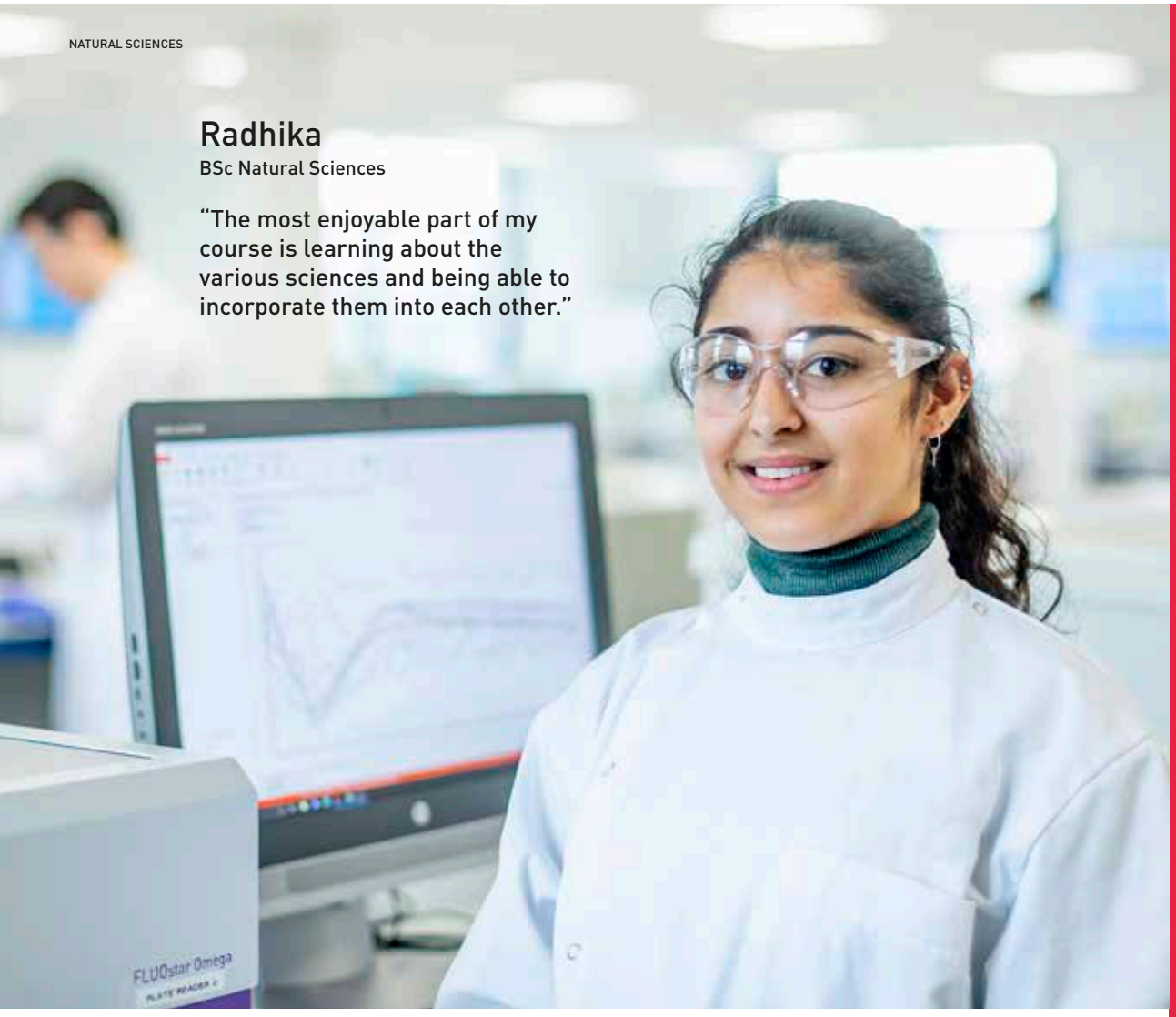
Year 1/2
Areas studied include application of sport product design, applied sports technology, electronic systems, engineering computation, goods design, manufacture and testing, manufacturing and materials, mathematics, measurement principles, mechanical design in sport, and, sports goods design.

Optional placement
Optional professional placement.

Year 3/4 and final year
Areas studied include engineering management, emerging technology for sports, a group project (MEng only), individual project, sports equipment industry, healthcare engineering, project management, footwear and garments, 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 Studies*



Radhika

BSc Natural Sciences

"The most enjoyable part of my course is learning about the various sciences and being able to incorporate them into each other."

Courses

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 chemistry, biosciences, physics, mathematics, materials and geography 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 pathway opportunities.

HIGHLY-RATED ACROSS THE RANGE OF DISCIPLINES IN NATURAL SCIENCES

£17M STEMLAB TEACHING FACILITIES

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 laboratory facilities for geographical research.

Placements

Natural Sciences carries the option to undertake a year-long professional placement gaining hands-on work experience and applying your knowledge in a real role with real responsibilities.

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.

This course was new for 2018 and as such there is no graduate employability data available as yet. However, the interdisciplinary and transferable skills you will develop throughout the course will have value in a wide range of organisations and roles across sectors, opening up all kinds of possibilities for your future employment or research.

Professional recognition

Loughborough University has been accredited by the Society for Natural Sciences (SNS). The programmes have achieved the standards set out in the Society's accreditation framework and are recognised by SNS as "offering outstanding quality interdisciplinary science education, providing students with excellent learning opportunities and skills development to prepare them for future careers in research, education, business or industry".

lboro.ac.uk/ug/naturalsci

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: A*AA (MSci) / AAB (BSc) including two or three sciences. Dependent on the chosen pathway (see online prospectus)
IB: (MSci) 38 (7,6,6 at HL) / (BSc) 35 (6,6,5 at HL) including two or three sciences at HL. Dependent on the chosen pathway (see online prospectus)
BTEC Level 3 National Extended Certificate: D plus A*A (MSci) / AB (BSc) from two sciences. Dependant on the chosen pathway (see online prospectus)
GCSE: Maths and English Language grade 4/C

This course offers flexibility to study a combination of physical sciences including Chemistry, Bioscience, Physics, Mathematics, Geography 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 one.

Optional placement/study year

Optional professional placement and/or overseas study. The placement may be taken after year 3 for those choosing the MSci programme.

Year 3

Areas studied may include pharmokinetics and drug metabolism, virology and oncology, quantum physics, climate and society, nanomaterials and surface engineering, dependent on pathways chosen in year two.

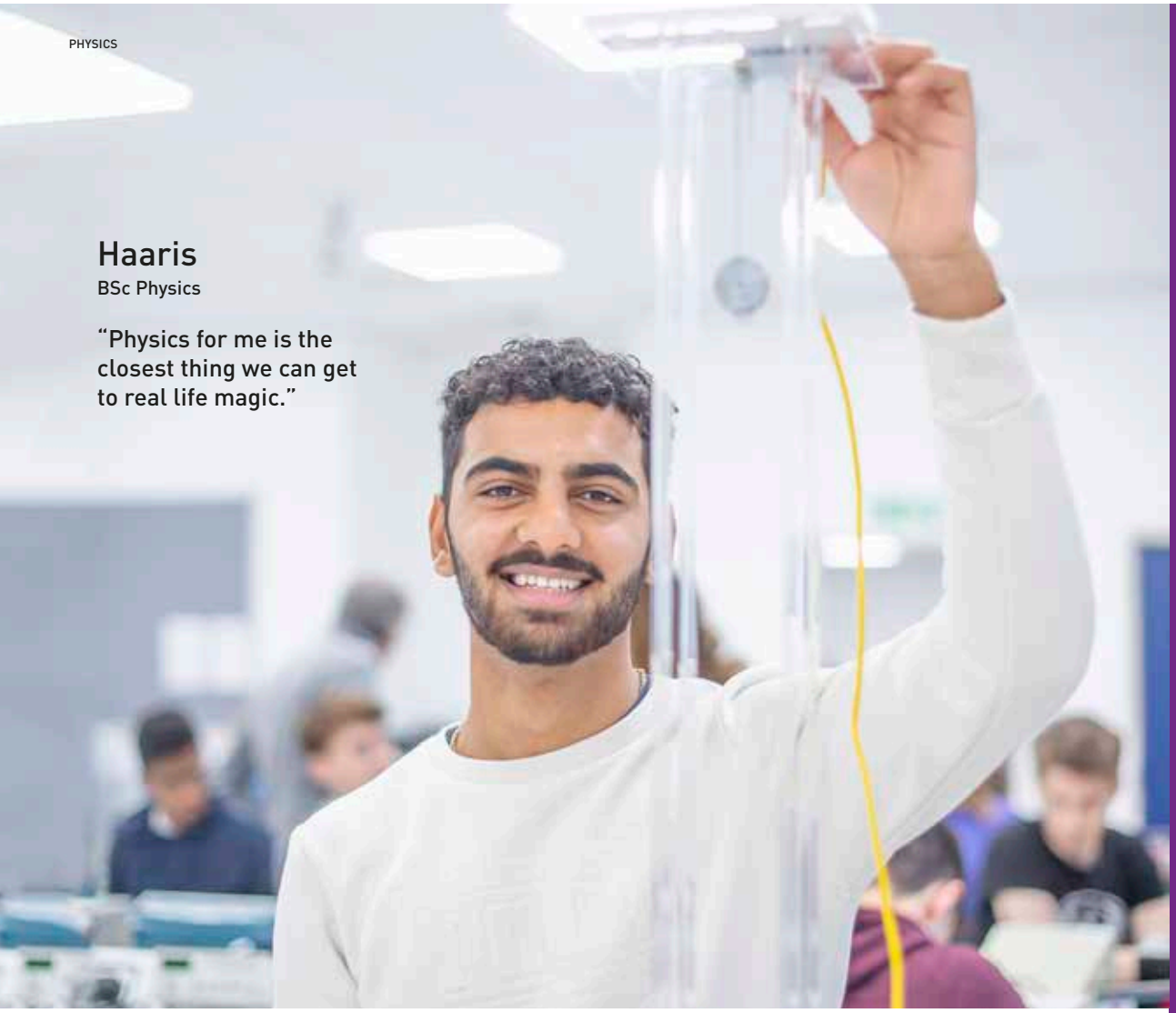
Year 4 (MSci only)

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*



Haaris

BSc Physics

"Physics for me is the closest thing we can get to real life magic."

Courses

Our courses are accredited by:

IOP Institute of Physics

Physics

Why choose Physics 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 offer a common core and opportunities to specialise in theoretical, computational and mathematical physics, as well as a number of specialised engineering streams.

Professional recognition

Our Physics degree courses are accredited by the Institute of Physics (IOP). Holders of accredited degrees are eligible for IOP membership and can follow a route to professional registration as a RSci or CPhys.

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 laboratory, 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 turn our students into highly employable graduates. Students can incorporate a placement year 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.

Career prospects

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. From the development of core physics skills, substantial individual and group projects, and an innovative approach to laboratory physics, our courses will allow students to develop and demonstrate such highly sought-after competencies as problem-solving and ideation, critical thinking, time management and leadership.

ALL COURSES ACCREDITED BY THE INSTITUTE OF PHYSICS

£17M STEMLAB TEACHING FACILITIES

lboro.ac.uk/ug/physics

Physics

MPhys (Hons) DIS/DPS/DIntS*: 5 years full-time with placement year
UCAS code: F304

MPhys (Hons): 4 years full-time
UCAS code: F303

BSc (Hons) DIS/DPS/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 (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 Diploma in Applied Science or Engineering: DD including D in units 1-5 (Applied Science) or in units 1, 7, 8, 19-21, 25, 29 or 31 or 35 (Engineering) plus A level grade B in Maths
GCSE: English Language grade 4/C

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
Areas to be studied include fundamentals of classical mechanics and field theory, relativity, electromagnetism, computational physics, physics laboratories, and supporting mathematics.

Year 2
Areas studied include quantum physics, condensed matter, and statistical physics.

Optional placement/study year
Optional industrial placement and/or overseas study.#

Year 3
Areas to be studied include advanced physics and mathematics modules, students will also be involved in a group project. BSc students will also complete an individual final year project.

Year 4 (MPhys only)
Areas studied will include advanced physics modules informed by current research in the department; students will also do a substantial physics project.

Graduate destinations
Recent employers include British Gas Research, Deloitte, Thames Water plc, and STC Submarine Systems.

**Diploma in Industrial/Professional/International Studies*
 # After Year 3 for MPhys

Physics with Computing

MPhys (Hons) DIS/DPS/DIntS*: 5 years full-time with placement year
UCAS code: F330

MPhys (Hons): 4 years full-time
UCAS code: F331

BSc (Hons) DIS/DPS/DIntS*: 4 years full-time with placement year
UCAS code: FG34

BSc (Hons): 3 years full-time
UCAS code: FG33

Typical offers
A level: AAB (MPhys) / ABB (BSc) including Maths and Physics (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 Diploma in Applied Science or Engineering: DD including D in units 1-5 (Applied Science) or in units 1, 7, 8, 19-21, 25, 29 or 31 or 35 (Engineering) plus A level grade B in Maths
GCSE: English Language grade 4/C

This degree will provide a solid understanding of core physics with an emphasis on theory, and on the formulation and solving of physics problems using mathematical data science and computing. You will also develop skills in data structures, algorithm design, AI, big data, and optimisation.

Year 1
Areas to be studied include fundamentals of classical mechanics and field theory, relativity, electromagnetism, computational physics, physics laboratories, and supporting mathematics.

Year 2
Indicative areas studied include quantum physics, condensed matter, statistical physics, the physics of materials, programming in a variety of languages and the study of data, algorithms, and optimisation.

Optional placement/study year
Optional industrial placement and/or overseas study.#

Year 3
Indicative areas to be studied will include advanced physics and computing modules, a group project and a computational physics project (BSc only).

Year 4 (MPhys only)
Indicative areas to be studied will include advanced physics, mathematics and computing modules and a substantial computational physics research project.

Graduate destinations
There are no graduates of this programme yet, but the combined skillset is highly sought-after in research and industry.

**Diploma in Industrial/Professional/International Studies*
 # After Year 3 for MPhys

Engineering Physics

MPhys (Hons) DIS/DPS/DIntS*: 5 years full-time with placement year
UCAS code: F313

MPhys (Hons): 4 years full-time
UCAS code: F312

BSc (Hons) DIS/DPS/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 (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 Diploma in Applied Science or Engineering: DD including D in units 1-5 (Applied Science) or in units 1, 7, 8, 19-21, 25, 29 or 31 or 35 (Engineering) plus A level grade B in Maths
GCSE: English Language grade 4/C

This degree builds on the core of the Physics course with streamed engineering content (selected at the end of year one) to ensure a coherent strong development in your chosen engineering specialisation, with a flavour easily recognisable to employers. We offer the following streams: electrical engineering, materials engineering, systems engineering, and mechanical and manufacturing engineering.

Year 1
Areas to be studied include fundamentals of classical mechanics and field theory, relativity, electromagnetism, computational physics, physics laboratories, and supporting mathematics.

Year 2
Areas studied include quantum physics, condensed matter, statistical physics, and engineering models.

Optional placement/study year
Optional industrial placement and/or overseas study.#

Year 3
Areas studied include advanced physics modules and engineering modules, a group project and an engineering physics project (BSc only).

Year 4 (MPhys only)
Areas covered will include advanced physics modules (informed by departmental research) and engineering modules, and a substantial research project in engineering physics.

Graduate destinations
Recent employers of our Physics graduates include Dstl, EDF and Maclaren.

**Diploma in Industrial/Professional/International Studies*
 # After Year 3 for MPhys

Mathematics and Physics

MPhys (Hons) DIS/DPS/DIntS*: 5 years full-time with placement year
UCAS code: F345

MPhys (Hons): 4 years full-time
UCAS code: F344

BSc (Hons) DIS/DPS/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 (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 Diploma in Applied Science or Engineering: DD including D in units 1-5 (Applied Science) or in units 1, 7, 8, 19-21, 25, 29 or 31 or 35 (Engineering) plus A level grade B in Maths
GCSE: English Language grade 4/C

This course is ideal for those looking to combine the rigour of mathematics with the study of physics to gain a deep understanding of physical phenomena and their underpinning mathematical foundations.

Year 1
Areas to be studied include fundamentals of classical mechanics and field theory, relativity, electromagnetism, computational physics, physics laboratories, and supporting mathematics.

Year 2
Indicative areas studied include quantum physics, condensed matter, statistical physics, plus additional pure mathematics modules.

Optional placement/study year
Optional industrial placement and/or overseas study.#

Year 3
Areas studied included advanced physics modules and mathematics modules, a group project and a mathematical physics project (BSc only).

Year 4 (MPhys only)
Areas to be studied will include advanced physics modules (informed by departmental research), pure mathematics modules, and a substantial research project in mathematical physics.

Graduate destinations
BAE Systems, Business Growth Fund, Deutsche Bank, E.ON, Hawk Eye, Intelligent Energy, Inventive Finance, NHS, QinetiQ.

**Diploma in Industrial/Professional/International Studies*
 # After Year 3 for MPhys

Physics with Theoretical Physics

MPhys (Hons) DIS/DPS/DIntS*: 5 years full-time with placement year
UCAS code: F347

MPhys (Hons): 4 years full-time
UCAS code: F348

BSc (Hons) DIS/DPS/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 (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 Diploma in Applied Science or Engineering: DD including D in units 1-5 (Applied Science) or in units 1, 7, 8, 19-21, 25, 29 or 31 or 35 (Engineering) plus A level grade B in Maths
GCSE: English Language grade 4/C

This degree provides the opportunity to develop the skills of a theoretical physicist. 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

Areas to be studied include fundamentals of classical mechanics and field theory, relativity, electromagnetism, computational physics, physics laboratories, and supporting mathematics.

Year 2

Indicative areas studied include quantum physics, condensed matter, statistical physics, plus additional applied mathematics content.

Optional placement/study year

Optional industrial placement and/or overseas study.#

Year 3

Areas to be studied will include advanced physics modules, a group project, applied mathematics or a theoretical physics project (BSc only).

Final year (MPhys only)

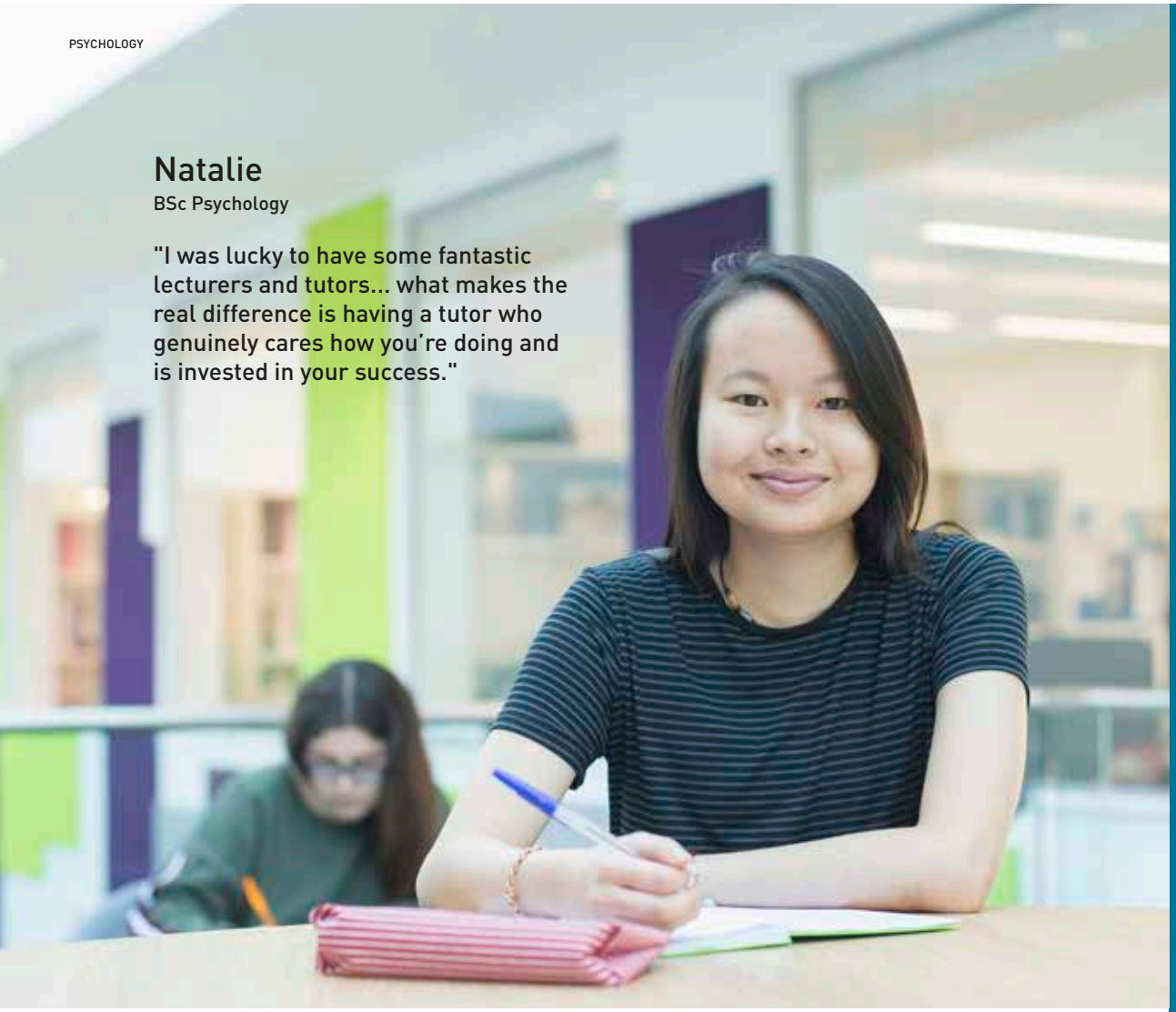
Areas to be studied will include advanced physics modules (informed by departmental research), applied mathematics modules, and a substantial research project in theoretical physics.

Graduate destinations

Capita, Deutsche Bank, Rolls Royce, L'Oreal, Home Office.

**Diploma in Industrial/Professional/International Studies*
 # After Year 3 for MPhys

Placement opportunity · Study abroad · Additional award · Accredited course



Natalie

BSc Psychology

"I was lucky to have some fantastic lecturers and tutors... what makes the real difference is having a tutor who genuinely cares how you're doing and is invested in your success."

Courses

Our courses are accredited by:

The British Psychological Society Accredited

Psychology

Why choose Psychology at Loughborough?

Understanding human behaviour is not only fascinating, but is a fundamental skill highly valued in varying contexts – from the diagnosis and treatment of mental health problems to the improvement of performance at work, in sport or in education.

Any of our psychology degrees will give you the knowledge, skills and competencies that are prized by employers, such as critical thinking and research abilities. They are taught by staff at the forefront of research and understanding within their fields, ensuring that you develop a thorough understanding of the fundamentals of psychological science.

The different courses and range of pathways available allow you to customise your studies to suit your individual interests and pursue a career path you are passionate about.

All of our undergraduate psychology courses provide the perfect foundation for further study of professional psychology or our own specialised MSc courses such as the MSc in Sport and Exercise Psychology.

Professional recognition

Our psychology courses are accredited by the British Psychological Society (BPS). The courses share a suite of modules which form the core content required for Graduate Basis for Chartered Membership of the British Psychological Society.

Topics include, cognitive psychology, biological psychology, developmental psychology, social psychology, personality and individual differences, historical and conceptual issues and research methods. This allows progression onto specialised psychology training such as Clinical, Counselling, Business, Educational or Sport and Exercise Psychology.

Placement year and study abroad

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. Our students have undertaken placements in roles including: Assistant Clinical Psychologist at Nottinghamshire Healthcare NHS Foundation Trust; Special Educational Needs Classroom Assistant at Ashmount School; and Social Researcher at the Department of Work and Pensions.

Employability

Our courses provide a foundation for specialised postgraduate training in psychology or postgraduate research, which can lead to accreditation to practise as a psychologist. The flexibility of our psychology courses means you can tailor your degree to suit your individual career interests and aspirations. Our graduates go on to enjoy a wide variety of careers in clinical, forensic, sport, education, commercial, financial and management sectors.

TOP 10 IN UK FOR PSYCHOLOGY
THE TIMES AND SUNDAY TIMES GOOD UNIVERSITY GUIDE 2022

ACCREDITED BY THE BRITISH PSYCHOLOGICAL SOCIETY

NO. 1 IN THE WORLD FOR SPORTS-RELATED SUBJECTS
QS WORLD UNIVERSITY RANKINGS BY SUBJECT 2017, 2018, 2019, 2020 AND 2021

lboro.ac.uk/ug/psychology

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)
BTEC Level 3 National Diploma: D*D plus an A level at grade B (for other combinations please refer to the online prospectus)
GCSE: Maths and English Language grade 6/B (see online prospectus)

This BPS accredited course offers a thorough grounding in the fundamentals of psychological science, aiming to build your core psychological knowledge and skills. The range of modules available offer students an insight into the various disciplines within the field of psychology, allowing you to tailor your degree to your interests and aspirations.

Year 1
Areas studied include: psychology of the early years; research skills; learning to be a psychologist; cognitive research; and understanding the brain.

Year 2
Topics covered include psychology across the lifespan; research skills; applied cognitive research; and understanding human diversity.

Optional placement/study year
Optional professional placement or overseas study.

Final year
In addition to undertaking a research project, students are able to select optional modules, covering: psychology of eating behaviour; forensic psychology; learning in early childhood; clinical psychology; parenting and socialisation; psychology of workplace health; advanced experimental and qualitative design and analysis; and educational neuroscience.

Graduate destinations
This degree prepares you for a career in a wide range of settings including: commercial or healthcare settings, 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, clinical, educational, occupational, forensic, health or sport psychology.

**Diploma in Professional/International Studies*

Psychology in Education

BSc (Hons) DPS/DIntS*: 4 years full-time with placement year
UCAS code: C8X3

BSc (Hons): 3 years full-time
UCAS code: CX83

Typical offers
A level: AAB
IB: 35 (6,6,5 HL)
BTEC Level 3 National Diploma: D*D plus an A level at grade B (for other combinations please refer to the online prospectus)
GCSE: Maths and English Language grade 6/B (see online prospectus)

This course offers a unique opportunity to develop both an understanding of psychological theory, and how it can be applied in the context of education to help children, young people and adults to learn.

Alongside the study of core psychological areas such as human development and cognition, you will explore how developmental disorders affect children's educational progress, how processes in the brain influence learning, and how education and psychological research can be applied in the classroom.

Teaching on this BPS accredited course is informed by cutting-edge research conducted by our world-leading academics who work across Psychology, education, and their intersection.

Year 1
Areas studied include: psychology of the early years; research skills; learning to be a psychologist; cognitive research; understanding the brain; and how we learn.

Year 2
Topics covered include psychology across the lifespan; research skills; learning sciences; applied cognitive research; understanding human diversity; and supporting learners with additional needs.

Optional placement/study year
Optional professional placement or overseas study.

Final year
As well as a research project, students are able to select optional modules, focusing on: psychology of eating behaviour; learning in early childhood; clinical psychology; parenting and socialisation; numerical cognition; and educational neuroscience.

Graduate destinations
This course prepares you for a career in a wide range of settings related to education and development, and for working with children or young people. It provides an ideal foundation for postgraduate study such as a PGCE, educational psychology training or any area of professional psychology.

**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)
BTEC Level 3 National Diploma: D*D plus an A level at grade B (for other combinations please refer to the online prospectus)
GCSE: Maths and English Language grade 6/B (see online prospectus)

This course combines psychology with criminology to gain understanding into the human mind and behaviour, the study of crime, its causes and prevention. The BPS accredited degree offers a thorough grounding in the fundamentals of psychological science and methods, while 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
Topics covered include psychology of the early years; research skills; learning to be a psychologist; cognitive research; understanding the brain; becoming a criminologist.

Year 2
Areas studied include: psychology across the lifespan; research skills; criminological theory; applied cognitive research; understanding human diversity; the criminal justice system in England and Wales.

Optional placement/study year
Optional professional placement or overseas study.

Final year
Areas studied include a research project, as well as optional modules focusing on: advanced experimental and qualitative design and analysis; learning in early childhood; clinical psychology; parenting and socialisation; rehabilitation and recovery; and educational neuroscience.

Graduate destinations
This course prepares you for careers in a wide range of settings including: criminal justice settings, management and human resources, education, community and social work, 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)
BTEC Level 3 National Diploma: D*D plus an A level at grade B (for other combinations please refer to the online prospectus)
GCSE: Maths and English Language grade 6/B (see online prospectus)

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-related subjects.

In addition to covering all core areas of Psychology for BPS accreditation, the course will provide an in-depth understanding of how psychological factors are used to understand and support the performance and wellbeing of athletes/coaches. There are also options to gain an insight into the various other disciplines within psychology.

Year 1
Topics covered include psychology of the early years; research skills; learning to be a psychologist; cognitive research; understanding the brain; foundations of sport and exercise psychology.

Year 2
Areas studied include: psychology across the lifespan; research skills; expert performance in sport; applied cognitive research; understanding human diversity; and optional modules.

Optional placement/study year
Optional professional placement or overseas study.

Final year
You will complete modules focusing on applied exercise psychology and applied psychology in competitive sport, as well as a choice of optional modules covering: psychology of eating behaviour; learning in early childhood; clinical psychology; psychology of workplace health; and educational neuroscience.

Graduate destinations
This course equips you for further professional training as a qualified sport and exercise psychologist. It directly facilitates further professional, postgraduate training pathways into a career as a clinical, educational, occupational, forensic or health psychologist.

**Diploma in Professional/International Studies*

Royston

BSc Sport and Exercise Science

"Teaching is a good mix of laboratory and seminars. The facilities are top notch and there are a variety of laboratories on campus."

Courses

You may also be interested in...

Sport Sciences

Why choose Sport 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.

Ranked 1st in the world for sports-related subjects (QS World University Rankings by Subject 2017, 2018, 2019, 2020 and 2021), 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 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

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, Mondelēz International, GlaxoSmithKline, and numerous schools and NHS Trusts.

Facilities

School and University sport facilities include: laboratories, boasting the latest physiological, molecular and environmental technologies, as well as bespoke training and testing equipment; two climatic chambers; specialist human biology, physiology and biomechanics laboratories; 50 metre swimming pool; netball and badminton centre; high performance athletics centre; floodlit all-weather areas and a water-based hockey pitch.

NO. 1

NO. 1 IN THE WORLD FOR SPORTS-RELATED SUBJECTS
QS WORLD UNIVERSITY RANKINGS BY SUBJECT 2017, 2018, 2019, 2020 AND 2021

UNIVERSITY OF THE YEAR FOR SPORT
THE TIMES AND SUNDAY TIMES GOOD UNIVERSITY GUIDE 2022

ATHENA SWAN SILVER AWARD COMMITMENT TO GENDER EQUALITY

lboro.ac.uk/ug/sport-sci

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: A*AA-AAA including two of the following subjects: Biology, Human Biology, Maths, Physics, Chemistry, Psychology, Physical Education / Sports Science
IB: 38-37 (7,6,6-6,6,6 HL)
BTEC Level 3 National Diploma: D*D* including Distinctions in all units in combination with a grade A* in a required A level subject (for other combinations please refer to the online prospectus)
GCSE: Majority 7/6 (A/B) grades including minimum grade 6/B in Maths, English Language and a Science

This course develops your knowledge and understanding of sport and exercise sciences. It is 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 biology, kinesiology, biomechanics, academic and professional skills, and psychology.

Year 2
Areas covered include exercise physiology and biochemistry of nutrition, sport performance and health, biomechanics of sport and motor control, sport and exercise psychology, and research methods. You will also have the opportunity to advance your vocational, practitioner and employability skills via specialised modules.

Optional placement/study year
Optional professional placement or overseas study.

Final year
Areas studied include choices from a range of optional modules in the core disciplines of physiology, nutrition, biomechanics and psychology. Students also undertake a substantial research project.

Graduate destinations
Our graduates have become exercise physiologists, sport psychologists, junior sport agents, personal trainers, health advisors, and sport development officers in local government. Employers include Adidas, British Swimming, UK Sport and Leicester Tigers.

**Diploma in Professional/International Studies*

Sport Science, 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: AAB including at least one preferred subject: Biology, Human Biology, Maths, Physics, Chemistry, Psychology, Sociology, History, Geography, Religious Studies, Physical Education / Sports Science and English Literature or English Language.
IB: 35 (6,6,5 HL)
BTEC: RQF BTEC Level 3 National Extended Diploma in Sport and Exercise Science grades DDD with Distinctions in two of the following: units 1, 2, 3, 5, 7,12,13 (for other BTEC qualifications and combinations please refer to the online prospectus)
GCSE: Majority 7/6 (A/B) grades including minimum grade 6/B in Maths, English Language and a Science

This course allows you to develop a critical, theoretical and practical knowledge and understanding of sport science, coaching and physical education. Its broad structure includes a focus on core disciplines such as physiology, biomechanics, physical activity and health, 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 optional modules in the areas of sport, diversity and social justice, physical activity and health, skill acquisition, performance analysis, conceptualising sport, and fitness and training.

Optional placement/study year
Optional professional placement or overseas study.

Final year
You can pick from optional modules covering physical activity and health of children, sporting cultures, analysis and conditioning, performance analysis, sport policy and governance, psychology for physical educators, coaching, and contemporary issues in physical education. Students also undertake a substantial research project.

Graduate destinations
Career opportunities exist across a range of coaching, sport, exercise, health and wellbeing contexts and for further training, including initial teacher education.

**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)
BTEC Level 3 National Diploma: D*D in Sport or Business plus an A level at grade B (for other combinations please refer to the online prospectus)
GCSE: Majority 7/6 (A/B) grades including minimum grade 6/B in Maths and English Language

This course equips students with the knowledge and skills that managers need in the rapidly expanding global sport industry. Students learn about marketing, organisational and strategic management, finance, governance, policy, law and economics. Practical elements within the degree help to equip our graduates with the skills 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. Students will also choose a module stream to follow throughout their degree, in either coaching or social sciences.

Year 2
Areas studied include research skills, sport management, sport law, equity and inclusion, economic analysis of sport, sport marketing, accounting and HR in sport organisations. Students will also continue on their chosen module stream in either coaching (coaching process and practice) or social sciences (conceptualising sport), or switch to the physical activity (physical activity and health) stream.

Optional placement/study year
Optional professional placement or overseas study.

Final year
Areas studied include sport policy and governance, strategic sport marketing and economics, and strategic management of sport organisations and events. Students will also complete their chosen module stream in coaching, social sciences, or physical activity. Students also undertake a substantial research project.

Graduate destinations
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*

Course and general index

COURSE AND GENERAL INDEX

Course and general index continued...

Loughborough University has taken care that this prospectus is as accurate as possible at the time of going to press (February 2022). It is intended as a general guide to the courses and facilities available to students commencing an undergraduate course in September 2023.

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.

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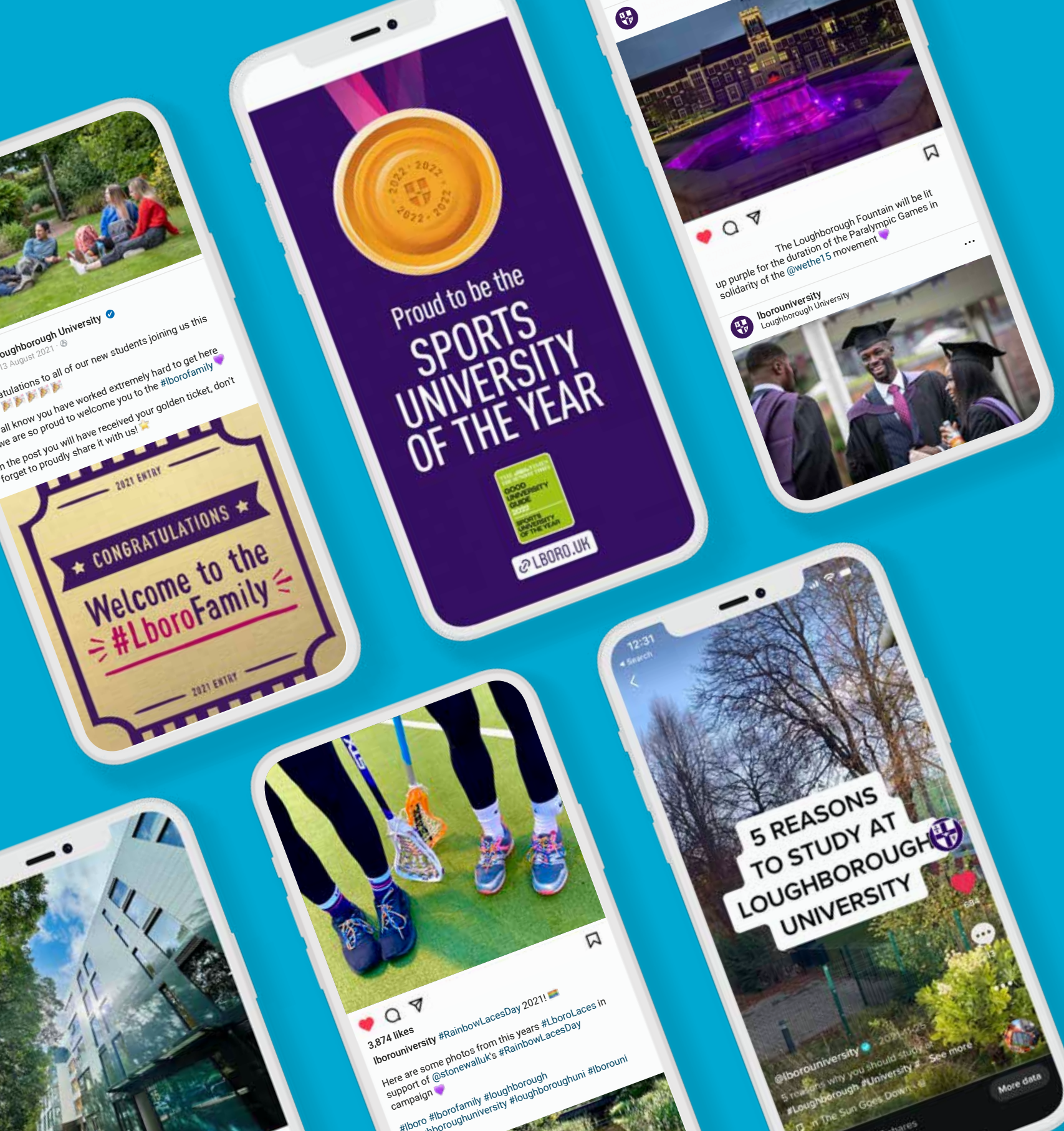

Meet the #LboroFamily

Take a look into life at Loughborough – follow our social media accounts to see what we're all about.

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Explore our student blogs for a taste of campus life: blogs.lboro.ac.uk/students

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