Construction

School of Architecture, Building and Civil Engineering
Welcome

We are one of the largest centres for built environment education in the UK and a leader in providing an integrated approach to the study of Architecture, Architectural Engineering, Civil Engineering, Construction and Urban Planning.

We bring together outstanding facilities, superb teaching and excellent links with industry to ensure that you are ready for your future career. You will benefit from being taught by an enthusiastic group of staff whose cutting-edge research informs the content of our curriculum.

We are renowned for our extensive industrial partnerships, with many of our students being sponsored by major construction organisations. We have an established placement scheme available to all our undergraduates, which provides you with the opportunity to gain paid work experience in a professional environment. This boosts your employment prospects as well as enhances your training and development. If you haven’t done so already, please do take the opportunity to visit our University campus and meet our staff and students so you can see and experience what we have to offer.

Professor Andy Dainty
Dean of the School of Architecture, Building and Civil Engineering
"I feel that Loughborough has inspired me to open myself up to the endless opportunities that are available through my course or at the University as a whole and to just strive and demand more within myself and the career that I pursue."

Tobe
Construction Engineering Management BSc (Hons)

Why study Construction at Loughborough?

Our Construction courses provide you with the knowledge and skills in technology, management, processes and commerce to succeed in industry.

These courses were created in response to specific requests from industry to fill crucial roles in the sector. Combined with our outstanding facilities, superb teaching and excellent links with industry, you will be ready for your future career after graduation.

Our Construction courses have supplied the sector with high-calibre, ambitious and knowledgeable graduates for many years. Several of our graduates now occupy senior positions within the sector, embedding our reputation for helping graduates acquire the right mix of technical knowledge and interpersonal skills to build successful careers.

Our sponsored courses offer an excellent education for future Construction Managers and Commercial Managers by placing a strong emphasis on developing interpersonal and professional skills through education and experience, making our graduates very attractive to employers.

Our Construction courses are accredited by:

- CIOB
- RICS
- ICE

"IN THE UK FOR GRADUATE PROSPECTS IN BUILDING"
THE TIMES AND SUNDAY TIMES GOOD UNIVERSITY GUIDE 2020

"TOP 5 IN THE UK FOR TEACHING QUALITY IN BUILDING"
THE TIMES AND SUNDAY TIMES GOOD UNIVERSITY GUIDE 2020

EXCELLENT PLACEMENT AND SPONSORSHIP OPPORTUNITIES

INTEGRATED COURSES THAT DEVELOP SKILLED AND ROUNDED GRADUATES
Vision

Our vision is to be the world’s leading integrated centre for built environment research and education, attending to the entire lifecycle of both buildings and infrastructure through our research, teaching and enterprise activities. During your degree, you will develop first-hand experience of working in multidisciplinary teams by collaborating with students from different courses across the School.

Each academic year contains weeks within the curriculum reserved for cross-disciplinary activities that expose you to the way in which different disciplines approach and solve issues concerning the built environment. These challenges are based on actual projects that industry leaders face and have been developed in close collaboration with them. Together, you will tackle real-world challenges that can only be solved by close and effective collaboration between the construction professions.

The construction sector is undergoing an exciting period of reform, with new technologies emerging that are changing the ways in which buildings generate and use energy, and the ways in which they are manufactured and assembled on site. New types of construction organisations are emerging as our ambitions for what the built environment could be and what it could offer.

Through this change, the knowledge and capabilities of traditional construction professions are changing and new ones are emerging. Because Loughborough works hand in hand with the leading construction organisations throughout the UK and beyond, we are continually updating the content of our courses to reflect this revolution.

By studying at Loughborough, you will understand what these future possibilities might be and you will be equipped to play your role in making them happen. As a Loughborough graduate, you will have the potential to work with our sponsoring industry partners to help them improve how the construction sector operates.

Learn more about our integrated School
lboro.ac.uk/ug2021/construction
If you are looking for hands-on industry experience with some of the world’s top companies, our School is the place for you.

Sponsorship

The Loughborough Construction Consortium provides a core of sponsoring organisations that offer excellent placement and sponsorship opportunities, supplemented by extensive collaborating organisations across the wider construction sector.

Sponsorship will provide you with a bursary during your study, summer placement work for those who want it and a paid twelve-month placement with your sponsor company. In most cases students are offered employment with their sponsor company after graduating and many are now in senior positions within those companies.

Your placement year

The industrial placement year is an integral part of our courses, providing practical experience in applying what has been learnt into real world situations.

You will be supported by dedicated staff in securing a placement that best suits your skills and professional aspirations.

During the placement year, your employer will nominate a line manager who will supervise you. You will also be visited by your University tutor at your place of work and will be required to write reports on your progress and experience.

The value of a placement year

• Improved career prospects. A placement gives you real-life experience that will help you stand out when applying for jobs. It can often lead to a job offer upon graduation.

• Salary. All placements are fully salaried, with typical salaries from £17,000 to £22,000.

• Additional qualification. An additional Diploma in Industrial Studies is awarded to students upon successful completion of their placement year.

• Professional skill development. A placement year helps you develop your skills in time management, teamwork, presenting and project management that will be essential for your future career. Experience gathered can count towards your professional qualification.

• Put your knowledge to the test. It is your chance to put your knowledge gained during your degree into practice within a professional environment and get a feel for your future role.

The School has strong links with some of the largest contractors who can offer you sponsorship and work placement opportunities during your studies.”

Charles
Construction Engineering Management BSc (Hons)

Our sponsor companies include:
Career prospects

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

Our graduates have a fantastic employment rate, with 100% of our graduates being in employment or further study within six months of graduating (DLHE 2016/17).

Our Construction courses provide you with a diverse skill set that includes project management, communication, teamwork, leadership, critical thinking and analysis. These skills, combined with your specific, technical expertise, will set you up for a successful career.

Our Construction courses are industrially-relevant and accredited by relevant professional bodies. They set you on the path to qualified professional status. Many of our graduates have used the Loughborough advantage to secure senior roles and, in some cases, progress to lead the UK’s largest construction organisations.

“Whenever a new graduate comes into whatever site they’re working on and they say they’re from Loughborough, there’s already an expectation that they’ve had a good grounding and that they are of a calibre that maybe other universities and institutions don’t have.”

Richard Bennett
Senior Quantity Surveyor, BFK Joint Venture

In addition to helping with finding a sponsor, the School holds its own careers fair. In recent years, this has had over 50 companies attending specifically to meet our students. This includes consulting and contracting companies from across the UK, as well as more local and specialist firms. Other employers also attend the University-wide careers fair.

Recent graduate destinations include:
- BAM
- Laing O’Rourke
- Lendlease
- Morgan Sindall
- Skanska
- Taylor Woodrow
- VINCI Construction
- Vale Southern Construction
- Walter Lilly

Careers Network
Our award-winning Careers Network team is here to help and support you, offering everything from CV workshops, one-to-one advice sessions and mock interview practice sessions to high-profile employer events. We’ve got everything you need for a successful future.

Find out more: lboro.ac.uk/careers

Further study
Our courses also prepare graduates for further training within construction and engineering. We offer a range of relevant postgraduate programmes to advance your knowledge after completing your undergraduate degree.

Find out more: lboro.ac.uk/cbsc
Our courses are designed to help you become leaders in industry and provide opportunities for students to learn teamwork and leadership skills in supported real-life environments.

Managing the construction process is a truly multidisciplinary activity as Construction Managers and Commercial Managers integrate with the skills of many other construction professionals.

Our students have many opportunities to engage with students on our other courses, including Civil Engineering, Architecture, Urban Planning and Architectural Engineering.

Our students undertake outward-bound training activities to build upon the expertise gained from lecture and tutorial classes by developing key skills to become leaders in industry. This challenging environment away from the lecture theatre puts theory into practice. This helps our students gain a more rounded understanding of teamwork and group management while building strong relationships with other students in the School.

The professional bodies that accredit our courses have highlighted the outward-bound training as a positive and best-practice feature of our courses. They state that it offers an innovative and engaging learning experience to gain transferable skills and meet learning outcomes.

“One of the reasons why I chose Loughborough is that the course is sponsored by a consortium of contractors who provide sponsorships, placements and graduate jobs. That made Loughborough really stand out to me as I knew I’d be able to secure a job and get necessary experience really early on in my career.”

Elisa
Construction Engineering Management
BSc (Hons)
Commercial Management and Quantity Surveying

Commercial Managers and Quantity Surveyors play an integral part in the construction industry. They manage costs and contracts from early design plans through to completion, ensuring that projects meet requirements, that commercial risks are managed effectively, and that clients get good value for money.

To meet the needs of tomorrow’s Commercial Managers and Quantity Surveyors, this course has been developed jointly by Loughborough University and a consortium of construction contractors and consultants.

About the course

This course is linked to real-life construction problems allowing you to develop important professional skills such as analytical thinking, teamwork, presenting, project management and report writing. These will enable you to pursue a career as a professional Commercial Manager, Quantity Surveyor or another specialist career path.

Year 1

Areas studied include professional practice and skills, construction technology (building), introduction to materials, structures and construction, legal and economic context of construction, measurement and site surveying.

Year 2

Areas studied include construction technology (infrastructure), mechanical and electrical services, construction law and contract administration, planning, estimating, cost monitoring and control, management of finance and risk, and the measurement of complex structures.

Compulsory placement year

Compulsory industrial placement leading to an additional Diploma in Industrial Studies.

Final year

Areas studied include strategic commercial management, management of people, projects and organisations, project definition and optimisation, advanced estimating and planning, and construction contracts. In the final year, students also undertake a research dissertation.

“Loughborough University is a great campus-based university with a number of fantastic sporting opportunities. I really liked that the course allowed you to undertake a unique placement year as this experience was crucial in my development. I believe the course and university are highly regarded by industry.”

Sam

Commercial Management and Quantity Surveying BSc (Hons)

Construction Engineering Management

Construction Managers plan, coordinate and supervise construction projects. If you’re interested in how buildings work and how building projects are managed, this is the perfect course for you.

This course provides the best foundation for a career in construction management, providing the underpinning technical and managerial knowledge and transferrable skills for a successful career in the industry.

About the course

This is a broad-based course with a focus on the technical and management aspects of construction projects. This course is sponsored by the Loughborough Construction Consortium. These companies offer sponsorship, work placements and graduate jobs for students, and enable practical experience in the form of site visits and guest speakers.

Year 1

Areas studied include professional practices and skills, construction technology (building), introduction to materials, structures and construction, legal and economic context of construction, site surveying and measurement.

Year 2

Areas studied include construction project delivery, construction technology (infrastructure), mechanical and electrical services, construction law and contract administration, sustainable building design and planning, estimating and cost control.

Compulsory placement year

Compulsory industrial placement leading to an additional Diploma in Industrial Studies.

Final year

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

“Building is at the heart of the course and I enjoyed numerous site visits and field trips all designed to hone our practical knowledge of the industry away from the context of lectures.”

Mauranda

Construction Engineering Management BSc (Hons)
This brochure was written several months in advance of the academic year to which it applies (2021). Every effort has been made to ensure that the information contained within is accurate at the time of publishing, but updates (for example to course content) are likely to occur due to the time between publication and the course start date. It is therefore important to visit our online prospectus at www.lboro.ac.uk/study before applying to check for any updates, as this will be the most up-to-date repository of information.