Architecture, Building and Civil Engineering

£28,000 AVERAGE STARTING SALARY
1ST FOR BUILDING
97% OF 2017 GRADUATES IN EMPLOYMENT OR FURTHER STUDY
Welcome

We are one of the largest integrated centres for built environment education, and one of the UK’s leading places to study Architecture, Building, Civil Engineering and Transport Management. We bring together outstanding facilities, superb teaching and excellent links with industry to make sure you’re completely ready for your future career.

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 of our undergraduates, which provides you with the opportunity to gain vital paid work experience in a professional environment. This gives you a major boost to your employment prospects as well as enhancing 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 for yourself.

Professor Andy Dainty
Dean of School

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Why study with us?

Civil Engineering and the Built Environment

Architects, Building and Civil Engineers literally change the world we live in. We rely on them every day for a variety of things: from supplying energy and clean water to our homes, processing and recycling our waste, to designing buildings and managing our transport systems. If you want to make a real difference to the world that we live in then this is the subject area for you.

Working in Architecture, Building, or Civil Engineering, you can be involved in designing, building and maintaining bridges, roads, railways, and large buildings such as skyscrapers, airports, hospitals and sports stadia in the UK and all over the world. Studying this area of engineering opens up a world of opportunities to you and is a pathway to a well-paid and rewarding career.

Our Architecture, Building and Civil Engineering degrees are rated as some of the very best in the UK. We are ranked 1st for Building in the Complete University Guide 2019 and and in the Top 10 for Civil Engineering in the Guardian University Guide 2019 and the Times and Sunday Times Good University Guide 2018. We offer degrees in four areas which cover most of the construction disciplines. All are accredited and lead to Chartered status with the appropriate institution.

Civil Engineering

Civil engineering is about maintaining and adapting the infrastructure that we depend on every day - our roads, railways and bridges; energy and water supply; waste networks and flood defences. Civil engineers have to keep this infrastructure running effectively and adapt it to meet challenges, such as population growth, climate change and natural disasters. Civil engineers literally shape the world we live in.

Our Civil Engineering degree provides a broad engineering education equipping you for a career in the design, construction and management of civil, building and structural engineering projects.

Commercial Management and Quantity Surveying

A quantity surveyor manages all costs and commercial risks relating to building and civil engineering projects, from securing initial budgets, contract selection and administration, dispute avoidance and resolution and negotiating the final figures. Whether working for contractors or private clients, quantity surveyors are responsible for all financial aspects of projects. The sums involved are often large, requiring precision and sound judgement.

Our sponsored degree in Commercial Management and Quantity Surveying provides you with the knowledge and skills in technology, management, processes and commerce to succeed in this industry.

Construction Engineering Management

Construction Managers plan, coordinate, budget and supervise construction projects. Our sponsored degree in Construction Engineering Management offers an excellent education for future managers of building projects. It will provide you with knowledge and skills in management, commerce, and technology relevant to the modern building industry.

Architectural Engineering and Design Management

Architectural engineering is a multifaceted discipline exploring how the construction, design and operation of a building come together. Engineers focus in many areas; lighting, heating, cooling, ventilation, sustainability and fire protection are just some possibilities. Unlike architects that typically incorporate aesthetic and layout concerns, architectural engineers focus more on structure and stability.

Our degree in Architectural Engineering and Design Management will prepare you for a wide range of career paths including design co-ordination and management, and project management in multidisciplinary design and build organisations or consulting firms.

The course provides the breadth of knowledge required of the architectural discipline as a profession along with an increased focus on building science, business acumen and digital design and fabrication to give graduates the ability to make an immediate impact in practice. The programme is taught by a diverse mix of international experts dedicated to student experience and development.

Architectural and Design Management

Architectural engineering is a multifaceted discipline exploring how the construction, design and operation of a building come together. Engineers focus in many areas; lighting, heating, cooling, ventilation, sustainability and fire protection are just some possibilities. Unlike architects that typically incorporate aesthetic and layout concerns, architectural engineers focus more on structure and stability.

Our degree in Architectural Engineering and Design Management will prepare you for a wide range of career paths including design co-ordination and management, and project management in multidisciplinary design and build organisations or consulting firms.

Transport

Transport underpins modern society by enabling people, goods and information to move around the world. Transport management comprises the business processes and functions that ensure passengers or freight are delivered from the right starting point to the desired location, at the right time, after the highest possible quality journey, and at the right price. It is an area that plays a huge part in the UK and world economy.

The School offers two undergraduate degrees which cover the transport disciplines. Both courses are accredited by the Chartered Institute of Logistics & Transport which gives the appropriate professional status.

Our two courses provide an opportunity to pursue a wide range of career options in any area of transport, (including air transport), surface transport and logistics. Your future employment can include the planning, management and operation of transport infrastructure and services and our graduates are employed by transport companies, local authorities, central government and consultancies worldwide.

Air Transport Management

Our degree in Air Transport Management provides a rigorous education in all aspects of the air transport industry. It will equip you for a career in managing and operating airlines and airports. Graduates enjoy a wide range of employment possibilities including companies providing all modes of passenger and freight transport, local and central Government and transport consultancies.

Transport Management

Our degree in Transport Management provides a broad transport education equipping you for a career to plan transport systems or manage transport operations. Graduates have access to a wide range of employment possibilities including companies providing all modes of passenger and freight transport, local and central Government and transport consultancies.
The placement year

We send 15% more students on engineering year-long placements than any other UK university*. We offer industry placements on all of our courses within the School. Each year we send students on placements with some of the world’s top engineering, construction and transport companies.

The placement year is strongly encouraged because of the many benefits it can provide. Most students go on their placement after the second year, but MEng students can opt to take it after the third year (please note that on some of our sponsored degrees a placement is integral to the course).

Key benefits of an industrial placement

- **Improved job prospects.** A placement gives you real world experience that will help you stand out when applying for your first engineering job. Some placement students are offered a permanent job with their host company when they graduate.
- **£15,000-£20,000 average placement salary.** Most placements are fully salaried.
- **Professional status.** A year of industrial work experience can contribute towards achieving professional status.
- **Develop professional skills.** Time management, team working, presentation skills and project management are all developed on placement.
- **Professional practice.** Put your knowledge gained during your degree into practice within a working environment alongside professional engineers.
- **Improved academic performance.** Placement students often demonstrate improved performance on return from a placement due to the additional experience and maturity they have gained.
- **Additional qualification.** The Diploma in Industrial Studies (DIS) is awarded to students upon successful completion of their placement year.

Companiess providing recent placements

"My time with Kier has been fantastic. I’ve been encouraged by this placement year into a career in quantity surveying, I think it’s a brilliant industry.”

— Karl Pallas on placement with Kier

www.lboro.ac.uk/engineering/kier

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*HESA UG Student Record 2016/17: Engineering & Technology
Team work and leadership development

Development of your teamwork and leadership skills form a key part of your studies within the School of Architecture, Building and Civil Engineering. Each year our students use the wilderness as a classroom to yield amazing rewards; learning to work effectively within a team, to communicate, to lead, and build confidence through putting management theory into practice.

Outward Bound training

All our courses are designed to help you become leaders in industry. As part of each of our courses we have specialised modules designed to help you develop key skills in team work, communication and leadership.

Each year our students on the following courses take part in a residential outward bound training course to build upon the skills they have learnt in their lecture and tutorial classes:

- BEng and MEng Civil Engineering
- BSc Commercial Management and Quantity Surveying
- BSIC Construction Engineering Management
- BSIC Air Transport Management
- BSc Transport Management

This sociable and challenging environment away from the university is your opportunity to put the skills you have learned into practice. This will help you gain a more rounded understanding of team working and group management whilst building strong relationships with students on your course.

Exciting experiences

Throughout the course you will get involved in a range of exciting experiences designed to push your boundaries and build your key skill sets.

Typical activities include:

- Abseiling
- Caving
- Climbing
- High Ropes
- Orienteering
- Raft Building
- Team tasks and challenges

Qualified and experienced instructors will guide you through every activity, varying the level to suit individual needs.

Industry feedback

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 meet key intended transferable skills and learning outcomes. This means that you can be sure that our teaching methods are seen as the very best practice within Building and Civil Engineering.

Your learning experience

You will be taught via a combination of lectures, tutorials, site visits, project and group work and practical engineering exercises.

The courses are taught in a modular format with typically six modules running concurrently, and approximately three contact hours per module per week. Contact hours are approximately 18-21 hours per week during non-project based semesters.

The School offers a range of optional modules throughout the final one or two years of the courses. We are proud to be responsive and flexible, constantly updating our courses to meet the needs of industry and the accrediting bodies. Many of our optional modules are research led which means the content is based upon the specialist expertise of academic staff who are internationally and world leading in their field. This means that modules may change due to staffing and accreditation and may also be subject to timetabling restrictions.

You will be assigned a personal tutor who will provide advice and help you to choose your subject options. You will work on tutorial questions in your own time. These are designed to reinforce and develop understanding of material covered in lectures. Tutorial sessions give you the opportunity to sort out any problems with particular questions and clarify points you may not have understood during lectures. Group and individual project work form an important part of your course and will help you develop vital project management and communication skills for your future career. Examples of typical project work can be found in the course descriptions.

Assessment

At the end of each module you’ll be assessed either by examination, coursework or a combination of both. With the successful completion of each module, you accrue a set number of credits, which over time lead to the award of your final degree. The first year does not count towards the final degree mark but you must pass. This provides you with an ideal opportunity to find your feet and fully understand your subject.

Civil Engineering course structure

YEAR | MEng | MEng (with placement) | BEng | BEng (with placement)
-----|------|----------------------|------|----------------------
1    | Part A | Part A               | Part A | Part A
2    | Part B | Part B               | Part B | Part B
3    | Part C | Placement*           | Part C | Placement
4    | Part D | Part C               | Part D | Part C
5    | Part D |                      |        |                      

*MEng students usually opt to take their placement year between Parts B and C but can opt to take it between Parts C and D

Total contact hours per module per week: 6 six modules running concurrently, and approximately three contact hours per module per week.

The courses are taught in a modular format with typically six modules running concurrently, and approximately three contact hours per module per week. Contact hours are approximately 18-21 hours per week during non-project based semesters.

Assessment

At the end of each module you’ll be assessed either by examination, coursework or a combination of both. With the successful completion of each module, you accrue a set number of credits, which over time lead to the award of your final degree. The first year does not count towards the final degree mark but you must pass. This provides you with an ideal opportunity to find your feet and fully understand your subject.

The MEng and BEng courses

The first two years of a BEng or MEng share the same format and structure. The MEng differs from the BEng by offering the opportunity to study technical and management topics at a more advanced level in the later years of the course.

The option of taking an industrial placement year is available on both the MEng and BEng courses. MEng courses can therefore take four or five years to complete, while those leading to BEng take three or four years. MEng students usually take their placement between Parts B and C.

It is possible to transfer from a BEng to an MEng at the end of the second year providing that the transfer progression criteria have been met.

The BSc and BArch courses

The option of taking a placement year is also available on all of our BSc and BArch courses. Students take their placement between Parts B and C. BSc and BArch courses take three years to complete without a placement year, and four years with a placement year.

Staff

Our staff are closely connected with industry and pursue a diverse range of research interests in Architecture, Building and Civil Engineering. Areas of particular prominence include infrastructure and transport, water and waste management, building energy demand and construction technology and organisation.

IT skills

We support students with their computing and communication skills. Our communication module covers IT skills including a basic course in Microsoft Office, CV writing workshops, and key interview skills and techniques.
Outstanding facilities

At over 3,000 square metres our purpose built, open plan laboratory is one of the largest in the UK. It has been designed by our staff to maximise your practical learning opportunities and has benefited from over £1 million in refurbishment and new equipment over the last five years.

Our facilities include:

- a concrete prep lab;
- a structural testing lab, for testing the tension, compression, torsion and fatigue of material;
- a geotechnics lab, for studying soil reinforcement and acoustic analysis, allowing changes to be predicted due to climate change;
- 3D concrete printing, cutting-edge rapid manufacturing techniques. This includes a 7 axis robot capable of producing unique elements without moulds;
- a structural dynamics research lab, to study the effect of earthquakes on buildings;
- a hydraulic engineering lab allowing the construction of hydraulic models to assess flooding from river systems and rainfall modelling equipment to test the effect on manmade and natural structures;
- an energy conservation lab allowing the modelling of heat dissipation within buildings;
- a type 2 microbiological lab to study water quality and purification techniques;
- climate control testing and modelling including environment cabinets allowing for rapid freezing and thawing; and modelling equipment including an architectural modelling facility used to create scale models for instance to allow experimentation of light flow through a building;
- a 3D modelling lab, including laser printer, foam cutter and 3D printers;
- a new woodworking and manufacturing laboratory;
- fully equipped engineering workshops staffed by experienced technicians to support teaching and research;
- a dedicated building for Architecture (BArch) featuring dedicated workspaces for each student;
- the School provide all Architecture (BArch) students with a Wacom tablet fully loaded with all the software needed to succeed on the course.

These facilities are maintained by a dedicated and highly trained team of technical staff who are used to instructing students on the safe use of the equipment.
This course is designed to equip you for a career in the commercial air transport industry. Commercial air transport is an exciting multi million dollar global industry that facilitates the movement of over 3 billion passengers and 50 million tonnes of airfreight every year.

This course began in 2000, guided by airlines and airports and built upon our expertise gained from running courses incorporating aviation for over 30 years. You'll study aviation safety, airport policy, planning and design, environmental impact and airline marketing and management.

During this course you can take the option of a paid industry placement. Completing a placement gives you real world experience and you'll also gain an additional qualification of a Diploma in Industrial Studies. This is an experience that will really help you stand out when applying for your first graduate job.

About the course
This course covers the principles of aviation and airports with management and economics options from the Transport Management course. Air-specific modules include: Introduction to Air Transport, Airport Planning, Air Transport Technology, Airline Marketing and Aviation Safety. In addition your Final Year Project will be on an aviation/air transport topic.

This course involves extensive project work linked to real-life air transport management problems allowing you to develop important professional skills such as team-working, presentation skills, project management and report writing. This will allow you to choose from a wide range of employment possibilities including companies in air transport management, airlines, airports and air freight companies.

This course is fully accredited by the Chartered Institute of Logistics and Transport, whilst the School is also a recognised member educational establishment of ACI Europe, which represents European airport operators.

Examples of recent final year dissertation topics include:
• Airlines marketing strategies
• Airport customer loyalty schemas
• Airport surface access provision
• Aviation safety
• Capacity modelling at airports

Year 1
Areas studied include air transport, management, economics, logistics, transport systems and air transport technology, communication, management finance and learning skills and transport and society.

Year 2
Areas studied include economics of transport, airport planning, airline business strategies, quantitative analysis in aviation, supply chain management, airport operations and transport and the environment, transport research methods and project appraisal.

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

Final Year
Areas studied include safety, airline marketing and operations, sustainable aviation and airport management. There is also a substantial aviation project.

The latest information can be obtained via our website.
When people ask me which university I study at, I can stand up tall and proudly say ‘Loughborough University’ with a big smile on my face, as it’s one of the top universities in the UK and I am very grateful to be part of it!

Namrarah
Architectural Engineering and Design Management BSc (Hons)
Architects are involved in the planning and design of the buildings and spaces we inhabit: architecture surrounds us and brings together many fields of human endeavour – art, history, physics, engineering and more. If you are interested in how buildings and their environment can be designed to improve our well-being and comfort, then architecture is a stimulating and rewarding study option.

The School has an outstanding graduate employment record and this course will set you apart from the majority of graduates because it’s been created as a direct response to the changing needs of architectural practice. The course has been developed to provide the breadth of knowledge required of the architectural discipline as a profession, and a number of leading architectural and engineering practices are actively engaged in its delivery.

About the course
This is an innovative course founded on Loughborough’s 100 years of ‘theory and practice’ culture to foster learning in both the university and the workplace. The degree will allow you to study with allied courses in the School and wider university. This is done to nurture strong design leaders who flourish in architectural practice, with first-rate communication and management skills, as well as substantial multi-disciplinary knowledge and abilities. More specifically the programme exploits our internationally-renowned expertise across the built environment disciplines – including engineering, building energy and management.

Our aim is to produce exceptional architects through an education that is immersed in hands-on experiences, complemented by the development of vital transferable skills, such as creative problem solving, information management, critical thinking and self-reflection, communication and visualisation, multi-disciplinary team-working, and an array of contemporary digital design skills. A significant part of the programme is studio-based, supported by a dedicated team of architectural practitioners.

The programme will provide the knowledge and skills for graduates to be exempt from the Royal Institute of British Architects (RIBA) Part I exam. We will seek accreditation from the Architects Registration Board (ARB) and RIBA as the programme develops, although full accreditation is normally granted as the first cohort of students graduate. An extended (Masters, RIBA Part II) version of the programme is also being developed and transfer onto this programme may be possible upon completion of this BArch degree.

Year 1
Areas studied include creative exploration and concept development, manual and digital architectural representation, architectural and art history, construction material, method and structure and building science.

Year 2
Areas studied include medium-scale design projects, advanced design skills, building performance analysis, advanced technical studies, professional practice skills, and critical and urban theory.

Professional placement/study year
Compulsory professional placement and/or overseas study.

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

Typical offers correct at the time of print. Please check our website for the latest version and other local Bonuses.

*Diploma in Professional Studies
Civil Engineering MEng/BEng

Civil engineers are involved in designing, building and maintaining the physical and naturally built environment, improving the quality of our lives every day.

In your first year you’ll have the opportunity to apply for sponsorship to a consortium of leading UK engineering companies. Sponsorship will provide you with a bursary during your study on the course, summer placement work opportunities, and a paid 12 month placement. Outside of the sponsorship scheme there is still the option of a paid industry placement. Completing a placement not only gives you real world experience but you will also gain an additional qualification of a Diploma in Industrial Studies. This is an experience that will really help you stand out when applying for your first job.

On this course there is a hands on teamwork and leadership module taken at the outward bound centre in the Peak District and you’ll also have the exciting chance to study at an overseas university in Europe, the USA, Canada, Singapore, Hong Kong or Australia for up to six months in your final year.

**About the course**

This course provides a high quality educational experience that develops deep technical knowledge with strong teamwork and leadership skills. You’ll develop a strong capacity for independent learning and self-reliance to successfully achieve your own personal goals. It is specifically designed to equip you with the skills and knowledge to play a leading role in industry.

This course is offered as a three year BEng or four year MEng, each with an additional optional industrial placement year. Whilst the broad philosophy of the MEng and BEng is the same, MEng students are required to study a wider range of technical subjects with additional depth and are also exposed to a number of management topics. It is possible to transfer from a BEng to an MEng at the end of the second year providing that the transfer progression criteria have been met.

The course involves extensive project work linked to real-life engineering problems allowing you to develop important professional skills such as team-working, presentation skills, project management and report writing. These will enable you to pursue a career as a professional civil engineer or choose from a wide range of other career options.

The MEng and BEng are accredited as being in complete and partial fulfilment respectively of all educational requirements for Chartered Engineer status by the Institution of Civil Engineers. The Institution of Structural Engineers, the Institution of Civil Engineering Surveyors and the Chartered Institution of Highways and Transportation by the Joint Board of Moderators.

Examples of recent final year dissertation topics include:

- Assessing the Impact of Climate Change on Flood Risk
- Delivering Mega and Unique International Projects on Time
- Earthquake Resistant Water and Sanitation Systems
- Renewable Energy from Organic Waste
- Textile Reinforced 3D Concrete Printing
- The Analysis of Steel Structures at Elevated Temperatures

**Year 1**

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

**Year 2**

Areas studied include geotechnics, hydraulics, construction contracts and management, health and safety, surveying, mathematics, and fieldcourses.

**Optional placement year**

Optional industrial placement (leading to DIS*).

**Year 3/4 (BEng)**

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

**Year 3/4 (MEng)**

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

**Final year MEng**

Areas studied include a research project, design management, environmental modelling and geotechnical modelling.

The latest information can be obtained via our website.
Commercial Management and Quantity Surveying BSc

Quantity Surveyors play an integral part in the construction industry. They manage costs from the early design plans, through to the buildings completion making sure projects meet legal and quality standards, that commercial risks are allocated and managed effectively, and that clients get good value for money.

To meet the needs of tomorrow’s commercial managers this course has been developed jointly by Loughborough University and a consortium of major construction contractors and consultants. The consortium offers a range of sponsorship and placement opportunities. Sponsorship provides you with a bursary during your study on the course, summer placement work opportunities, and a paid 12 month placement. Completing the placement gives you real world experience and you’ll also gain an additional qualification of a Diploma in Industrial Studies. This experience helps you stand out when applying for your first job. In many cases, students are offered employment with their sponsor company after graduating and many are now in senior positions within those companies.

About the course
This course covers several themes including: Construction Technology; Measurement; Economics; Construction Law; Construction Project Administration; Construction Management and Pre-Construction Planning & Estimating. There is also a surveying field course, and a hands-on teamwork and leadership module taken at an outward bound centre.

This course involves extensive project work linked to real-life construction problems allowing you to develop important professional skills such as team-working, presentation skills, project management and report writing. These will enable you to pursue a career as a professional commercial manager, quantity surveyor or you can choose from a wide range of other career options.

As testament to the quality of this course it is professionally accredited by the Royal Institution of Chartered Surveyors and the Chartered Institution of Civil Engineering Surveyors.

Examples of recent final year dissertation topics include:
- A Comparative Study of Equity, Good Faith and the Law of Contract in Construction
- Building Information Modelling and Change Management in Construction Projects
- Constructing a ‘Project Rescue’ Framework
- Low Carbon Construction and the Supply Chain
- Mobile Solutions for Construction

The latest information can be obtained via our website.
Construction Engineering Management BSc

Construction Managers plan, coordinate, budget and supervise construction projects. We are ranked 1st in the UK for our building degrees in the Complete University Guide 2019 so if you’re interested in how buildings work and how building projects are managed this is the perfect course for you.

This course is run in conjunction with a consortium of major construction contractors. The consortium offers a range of sponsorship and placement opportunities. Sponsorship provides you with a bursary during your study on the course, summer placement work opportunities, and a paid 12 month placement. Completing a placement gives you real world experience and you’ll also gain an additional qualification of a Diploma in Industrial Studies. This is an experience that will really help you stand out when applying for your first job. In many cases students are offered employment with their sponsor company after graduating and many are now in senior positions within those companies.

About the course
This sponsored degree offers you an excellent educational foundation as a future manager of building projects. It will provide you with knowledge and skills in management, commerce, and technology relevant to the modern building industry.

This course involves extensive project work linked to real-life construction problems allowing you to develop important professional skills such as team working, presentation skills, project management and report writing. These will enable you to pursue a career as a professional construction manager or choose from a wide range of other career options.

The course is fully accredited by the Chartered Institute of Building (CIOB), the leading professional body for managers in construction. This accreditation offers graduates who successfully complete the course full exemption from the academic requirements and a fast route to full professional qualification with the right to use the internationally recognised initials MCIOB.

Examples of recent final year dissertation topics include:
- Building Pathology and Defect Analysis
- Communication of Project Information on a Large Construction Project (Olympic Village)
- Design for Deconstruction
- Project Management Competencies
- The Effect of Solar PV on Energy Consumption in the Home

Year 1
Areas studied include introduction to structural design, building materials, principles of design and construction, site surveying, and measurement.

Year 2
Areas studied include management principles and practices, health and safety, contractors’ estimating and planning, plant and equipment, and property development appraisal.

Placement year
Compulsory industrial placement (leading to DIS*).

Final Year
Areas studied include advanced construction, pre-construction estimating and planning, building design project, 3D CAD modelling, and a research dissertation.

The latest information can be obtained via our website.

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Mauranda
Construction Engineering Management BSc

“I have been able to enjoy numerous site visits and field trips all designed to hone our practical knowledge of the industry away from the context of lectures.”

Sponsor Companies
Transport Management BSc

This course equips you with a thorough and practical knowledge of the economic, social and technological aspects of the main modes of transport so that you’ll be able to play a full part in their future development.

During this course you can take the option of a paid industry placement. This is of considerable benefit especially if you have little or no previous practical experience in the transport industry. You’ll gain an invaluable insight into the detailed workings of at least one major area of the industry and an additional qualification of a Diploma in Industrial Studies. This is an experience that will really help you stand out when applying for your first transport management job.

About the course
This course covers the principles of managing the human and technical resources required in transport systems and the importance of transport in relation to the economy and society.

It is examined in terms of the numerous benefits and costs of transport in general and of the relative merits of the different forms of passenger and freight transport. The course is multidisciplinary, embracing the fundamental principles and applications of planning, management, economics and technology.

The course involves extensive project work linked to real-life transport management problems allowing you to develop important professional skills such as team-working, presentation skills, project management and report writing. Graduates choose from a wide range of employment possibilities including companies in all modes of air and service transport, local and central Government and transport consultancy organisations.

As a testament to the quality of this course it is professionally accredited by the Chartered Institute of Logistics and Transport.

Examples of recent final year dissertation topics include:
- Are Pocket Park and Ride Sites the Future for Car-Bus Interchange?
- Impact of Railway Privatisation on Travel Demand and Safety
- Investigating the Feasibility of a Cycle Hire Scheme for Loughborough University Campus
- Parking Management – an East Midlands Case Study
- Public Attitudes and Acceptance towards Driverless Cars

Year 1
Areas studied include the development of communication and learning skills, transport systems, management, economics, air transport, transport and society, logistics, management finance and statistics, and road transport technology.

Year 2
Areas studied include transport planning, quantitative analysis, economics, management principles and practice, global logistics, supply chains, transport and the environment, research methods and project appraisal.

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

Final Year
Areas studied include a research dissertation, transport policy, transport demand management, sustainable cities and transport, and public transport operations.

The latest information can be obtained via our website.
Inspiring graduates

Graduate roles and destinations include:

Due to their unique and specialist skills, engineers are the top earners in terms of starting salaries alongside graduates from medicine and dentistry (Times Good University Guide). Chartered engineers, design, construction and commercial managers command even higher salaries and once you have reached this status you can expect to earn a salary of over £50,000 per year.

As well as a top salary, studying one of our degrees presents wide reaching opportunities including working with world leading companies and/or in developing countries. Through studying one of our degrees you can expect to gain a diverse skill set. This will include project management, team work, leadership, business acumen and people management as well as a technical expertise setting you up for a successful career.

We are favoured by many leading organisations as a source of exceptional graduates.

Pooja Godhania
Civil Engineering
Section Engineer: John Sisk and Son

“I started the graduate scheme with John Sisk and Son in September 2014 and since then have progressed to Section Engineer. I am a site-based engineer and have worked on several sites throughout the UK and Ireland. Working for John Sisk and Son I have been able to travel and live in several different cities and towns. I enjoy working onsite and one of my favourite things is the variety and opportunities that it brings. Every day and every project is different and has its own set of challenges and highlights.

I am currently a Chartered Member of CIOB and am working towards Chartered Engineer status with the ICE. I am looking forward to working on different projects in the future and building my career towards Project Management and higher.

The highlight of my career so far has to be achieving Chartered Status with the CIOB and also the part I played in the construction of 3 bridges over the Central Line in London. It was an exciting and challenging project with great rewards.”

Karl Pallas
BSc Commercial Management and Quantity Surveying
Quantity Surveyor, Kier

“After graduating I joined the Kier Group as a Quantity Surveyor, working in London on the Crossrail project.”

The Crossrail project is the biggest construction project in Europe where 26 miles of new underground tunnels are being constructed to produce one of the finest railway systems in the world. My part of the project is working on the Farrington Station building and fit out. Right from the start I’ve been given lots of responsibility; I’m currently procuring several packages worth over £6 million.

During my course I did a years paid placement with Kier working on the Kings Cross redevelopement of an exclusive residential scheme. The placement experience gave me the opportunity to prove my abilities and meant that securing my first role in the industry was straight forward.

I’m really proud to be working on such an amazing project so early in my career. I really feel that the course at Loughborough has given me the skills, training and opportunities to build a successful career.”

Watch our latest video of Karl and current placement students on site at Crossrail

www.lboro.ac.uk/engineering/crossrail