The School

Loughborough University has a strong reputation for being at the forefront of technological research and for maintaining extensive industrial links. In the School of Civil and Building Engineering, which is one of the largest of its type in the UK, our staff have considerable research and professional experience which ensures that our teaching is both up-to-date and relevant to the needs of the Construction and Transport industries.

Research and teaching in the School of Civil and Building Engineering cover all the disciplines in the construction, infrastructure and transport industries. The School benefits by having academic staff from a wide variety of backgrounds, with a resulting rich diversity of perspectives which ensures a healthy range of inputs to our teaching and research. The School is large with some 63 academic staff, 34 technical and clerical support staff, 90 contract researchers and over 120 doctoral students, so there is excellent opportunity to develop collaborative teaching and research initiatives.

Significant activity is based around four highly-regarded Institutes/Centres, within the School, including the Institute of Development Engineering, the European Construction Institute, the Centre for Innovative Construction Engineering and the Centre for Doctoral Research in Energy Demand. The Institute of Development Engineering (incorporating WEDC, Water Engineering for Developing Countries) operates a number of modular Masters programmes and carries out research and consultancy in areas related to developing countries. Since 1990, the School has also been the administrative centre of the European Construction Institute, ECI. This research institute funded by subscription from over 300 industrial organisations carries out research that has a close relationship to the needs of the International construction industry in Europe. The ECI now has regional units in the Benelux countries and Italy and further expansion throughout mainland Europe is a key objective. In 1999 the School founded the Centre for Innovative Construction Engineering, CICE which is funded by the EPSRC via the Engineering Doctorate scheme and is supported by dozens of industrial organisations. The Centre for Doctoral Research in Energy Demand, CDoRE, is an EPSRC funded centre run jointly by Loughborough University and University College London. Its remit is to undertake research in energy-demand reduction in the built environment. These Institutes and Centres, together with industry-sponsored degree courses, make Loughborough’s School of Civil and Building Engineering probably the best industrially-supported school in the country. We currently work with over 250 construction organisations.

In addition to the teaching and research staff, we have a large team of experienced technicians who will be on hand to help you gain the most from our well-equipped laboratories and computing facilities. Our School is housed in two adjacent buildings. Our teaching block, which was recently enlarged and refurbished, contains lecture and tutorial rooms, a computer room, a design studio and common rooms, as well as staff offices, research rooms and meeting rooms. The second building is an open plan laboratory with over 2,000 square metres of floor space. This includes building services, concrete, hydraulics, public health, and mechanics, strength of materials, structures and surveying laboratories along with support workshops.

We offer a wide range of undergraduate courses including Civil Engineering, Construction Engineering Management, Commercial Management and Quantity Surveying, Architectural Engineering and Design Management, Air Transport Management, and Transport and Business Management. These courses are all accredited by the Professional Institutions. The content is directly aligned to the needs of the industry and there is a high level of sponsorship in our portfolio of courses. Our record of graduate employability is second to none and we have been ranked 1st or 2nd in the National Student Survey for the last five years.

In addition to its varied undergraduate degrees, our School also offers several internationally recognised postgraduate courses, leading to MSc degrees such as Water and Waste Engineering, Construction Management, Construction Project Management, Building Services Engineering and Transport. Furthermore, we currently have over 120 full and part-time research students registered for MPhil and PhD degrees.

Professor Tony Thorpe, Dean

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Professor Tony Thorpe, Dean
The University

Choosing a university involves more than just selecting a degree. You are making a decision about where to spend the next few years of your life.

There are many reasons why we are proud of what Loughborough has to offer you.

An attractive campus environment

Loughborough is the principal town of Leicestershire’s Borough of Charnwood and a prominent high-technology centre for the East Midlands. Situated at the centre of a triangle formed by Derby, Nottingham and Leicester, Loughborough campus has easy access from the M1 and East Midlands Airport, and is only 90 miles by fast rail (with a 30 minute link from London St Pancras). Loughborough University, with over 12,000 staff and students, has an impressive and pleasant campus to the west of Loughborough. It has recently acquired a substantial new area which adds another 163 acres to the campus, making the Loughborough campus one of the largest in the country at 437 acres. Over 5,000 students live in halls of residence on or near the main campus. In 2009 the University celebrated 100 years since the formation of the first Loughborough Technical Institute, from which it has developed into an internationally recognised centre of excellence.

High academic standards

Teaching quality at Loughborough University is well known, reflected by its high league table positions. To sustain this quality, the University has developed strong academic guidance and welfare systems that support students from every walk of life. The University is research-intensive and all departments have a strong research base, contributing to an international reputation. The main Pilkington Library has over 600,000 academic and non-academic books and access to approximately 19,000 e-journals. Loughborough is one of the leading universities, highly regarded and justifiably proud of its many achievements. It has received the Times Higher Education Supplement Award for the Best Student Experience for five consecutive years and has also been named a Centre of Excellence for Sport in Higher Education.

Industry’s choice

Loughborough’s special trademark has always been its substantial partnerships with industry, government and the professions, which bring benefits to all our core academic teaching and learning, research, and technology transfer. Loughborough has long-standing collaborative links with many blue chip companies. 70% of Loughborough University’s research is carried out in collaboration with external partners, compared to the national average for universities of 30%. The University has over 40 research centres and institutes, six interdisciplinary research schools: Design, Health and Life Sciences, Sustainability, Systems Engineering, Informatics and Materials, and three Centres for Innovative Manufacturing in Intelligent Automation, Additive Manufacturing and Regenerative Medicine. Loughborough has strategic partnerships with a range of global blue-chip companies such as Ford, Rolls-Royce, EON, BAE Systems, adidas, Caterpillar, Astellas and 3M. As a result, 92% of our graduates are employed in graduate level occupations within 6 months of graduation, compared with the national average of 64%.

Sport for all

Outstanding sports facilities for the enthusiastic amateur as well as for elite performers include athletics centres, sports halls and all-weather pitches, a 50m swimming pool, squash, badminton and netball courts, an indoor tennis centre and a state of the art fitness centre. National and regional centres for many sports are located on campus. A £15 million state-of-the-art Sports Technology Institute enhances research, innovation and enterprise in the sport and leisure sector. This is part of the Science and Enterprise Park, which allows Loughborough to further develop its science and enterprise links with industry, by attracting research and development activities that require access to university expertise, and by providing facilities for its own researchers. The University offers a number of sports scholarships each year.
The Learning Experience

During your studies we aim to help you to develop a range of skills and abilities which will give you the confidence needed for a career in industry. Your study will be divided into modules and you will take twelve each year. The academic year is divided into two ‘semesters’, each comprising eleven teaching weeks followed by a period for revision, examinations and feedback. Vacations are at the end of the traditional terms (December, March and June).

Studying at university is quite different from what you will have experienced at school or college. You will have a personal tutor who will guide you throughout your time at the University, helping you to choose options, where applicable, and providing advice and references. Emphasis is placed on increasing your independence, enabling you to take responsibility for your own work. The following descriptions will help you to see what will be involved.

Lectures, Tutorials and Seminars
Lectures are attended by all students taking the subject and provide a forum for staff to provide information on basic concepts and approaches. Tutorials and seminars take place in smaller groups and allow more detailed discussion of lecture topics.

Practical and Project Work
Throughout your degree you will undertake design studies and practical work in small groups. We aim to develop your ability to solve technical and managerial problems, and allow you to put into practice the material covered in lectures and tutorials. Your project work will normally link with the research activities of the staff or with one of our many industrial contacts.

Assessment
A mixture of examination and coursework assessment is used. In your first year the overall ratio of examination to coursework assessment is about 50:50.

Industrial Involvement
Major companies provide real projects for you to work on and are actively involved in tutoring and assessment. You will also have the option of undertaking an industrial training year on all our courses.

Links with Industry

In order to ensure that we produce well qualified graduates with a range of employment opportunities open to them, our School has many close links with industry. These include Industrial Advisory Committees, which comment on proposed developments to our teaching programmes, an Industrial Placement Tutor who liaises with companies providing training opportunities for students on sandwich degrees, and consortia of major companies who sponsor courses and students within the School.

About two thirds of our students choose to spend a year on placement in industry. These placements offer an ideal opportunity for you to put into practice in a working environment the knowledge and experience you have gained during the early stages of your degree. During the placement you will be supervised by an engineer or manager nominated by your employer and will be visited by one of our staff. All the training follows the guidelines of the Professional Institution which accredits your degree and you will also be eligible for an additional University award, the Diploma of Industrial Studies.
The Construction Industry

The Construction Industry provides an opportunity to pursue a wide range of career options. As a construction professional you will be involved with the development and maintenance of a country’s infrastructure which includes transport systems, water resources and buildings of all types.

Your future employment can involve Engineering, Planning, Design, Costing and Project Management. It can be office or site based with career opportunities in the UK and overseas.

The School offers undergraduate degrees in four areas which cover most of the construction disciplines. All are accredited and lead to Chartered status with the appropriate professional institution.

All offer the opportunity for industrial placements and our strong industrial contacts lead to high employment rates for our graduates.

Civil Engineering

MEng and BEng degrees in Civil Engineering provide a broad engineering education equipping you for a career in the design, construction and management of civil, building and structural engineering projects.

Commercial Management & Quantity Surveying

A sponsored BSc course in Commercial Management & Quantity Surveying provides education for future Quantity Surveyors and Commercial Managers who supply much of the business management within the industry. They deal with contract documentation, company and project finance and legal matters, both on site and in the office.

Construction Engineering Management

A sponsored BSc course in Construction Engineering Management provides a sound educational foundation for you as a future manager of building projects and companies, providing knowledge and skills in management, commerce and technology relevant to the contemporary building industry.

Architectural Engineering & Design Management

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

The Transport Industries

The Transport Industries provide an opportunity to pursue a wide range of career options. As a transport graduate you can develop a career in any area of transport, including air transport, surface transport and transport logistics.

Your future employment can involve both the management of transport and transport related companies, planning with local authorities, central government or consultancies, or further research.

The School offers two undergraduate degrees which cover the transport disciplines.

Both are accredited by the Chartered Institute of Logistics & Transport which gives the appropriate professional status. Both courses offer an opportunity for an industrial placement between the second and third academic years.

Air Transport Management

A BSc degree in Air Transport Management provides a sound education in all aspects of the air transport industry. It will equip you for a career in the management and operation of air transport providers, airlines and airports. Graduates choose from a wide range of employment possibilities including companies in air transport management, airports and air freight companies.

Transport and Business Management

A BSc degree in Transport and Business Management provides a broad transport education equipping you for a career in both the management of transport operations and the planning of transport systems. Graduates choose from a wide range of employment possibilities including companies in all modes of transport (aviation, airports, logistics, rail and bus), local and central Government and transport consultancy organisations.
MEng Civil Engineering

Guide to Course Content

Part A – First Year
- Communications
- Fluid Mechanics
- Structural Analysis & Mechanics
- Engineering Materials
- Construction & Technology Management
- Mathematics
- Sustainable Engineering Design
- Surveying
- Graphical Communication

Part B – Second Year
- Structural Design
- Geotechnics
- Hydraulics
- Construction Contract Procedure
- Structural Analysis & Mechanics
- Health & Safety
- Surveying
- Construction Management
- Field Courses in Surveying, Geotechnics & Water Engineering

Part C – Third or Fourth Year
- Structural Analysis & Mechanics
- Water Engineering
- Geotechnics
- Project Management
- Construction IT
- Building & Leadership
- Structural Design Project
- Mathematics
- Two option modules

Part D – Fourth or Fifth Year
- Individual Research Project
- Design Process & Management
- Environmental Modelling
- Advanced Geotechnical Modelling
- Sustainable Development Project
- Infrastructure Engineering
- Structural Dynamics & Earthquake Engineering

Two option modules
- Construction and Environment
- Structural Dynamics & Earthquake Engineering

Aims of the course:

To provide a high quality educational experience for high achievers that develops and sustains students’ knowledge and skills to a depth and breadth expected of Masters level graduates, with strong teamwork and leadership skills, in preparation to play a leading role in the construction industry as a Chartered Engineer and make a valuable contribution to society and achieve their own personal goals.

The course offers sponsorship opportunities, an outdoor management course, a year of industrial training and the option of studying at an overseas university either in Europe, the USA, Canada, Singapore, Hong Kong or Australia for up to six months in your final year.

Industrial Training

Around 50% of undergraduates take an industrial year between Parts B and C of their degree. This year provides students with a clearer understanding of the construction industry, helps decide future career direction, often leads to a job on graduation and last but not least, provides a salary for twelve months. The School’s Industrial Training Team provides students with assistance in finding placements.

Your Application

The MEng in Civil Engineering is offered as a full-time course of four years or as a five-year sandwich course incorporating a year of industrial training to gain the Diploma in Industrial Studies (DIS). If we make an offer after considering your application form you will then be invited to visit the University. This is not for a formal interview but is an opportunity for you to see the School and to meet staff and current students. You should make your application through UCAS.

Accreditation

The Civil Engineering courses are accredited by the Institution of Civil Engineers, the Institution of Structural Engineers and the Chartered Institution of Highways and Transportation by the Joint Board of Moderators (JBM). The courses meet the current UK-SPEC requirements of the Engineering Council (EIC). Specifically, the MEng is accredited as fully satisfying the educational base for a Chartered Engineer (CEng).

Typical Offer

A Level qualifications
- 3 A Levels with one subject being Mathematics and a second being a science, at grades of AAB or above.
- BTEC QCF Extended Diploma
- 3 Distinctions (DDD) or above, including Distinction in BTEC Applied Mathematics and Further Maths or grade B in A Level Mathematics. Normally the BTEC has to be in Civil Engineering.
- International Baccalaureate
- Minimum 36 points, including 5 in HL Mathematics.
- Second year entry
- Second year entry may be offered to applicants with appropriate qualifications. Examples include Diplomas from Malaysia and Singapore and Higher Diplomas from Hong Kong.

Additional requirements
- GCSE Mathematics grade C, GCSE English grade C.

Sponsorship

All Part A MEng students have the opportunity to apply for sponsorship to a consortium of leading UK companies. Sponsorship will provide you with a bursary during your study on the course, summer placement work for those who want it and employment for the twelve month period of industrial training.

The following Consulting Engineers, Contractors and other organisations are committed to the scheme:

Christopher Brown, Graduate Engineer, Laing O’Rourke

The course prepared me very well for the working world, providing me with the specific technical skills required for site as well as developing personal skills through the wide range of leadership and management modules. I’m currently working on a £300m hospital development, as well as progressing towards chartered status with the ICE, and I’m enjoying every moment.

www.lboro.ac.uk/departments/cv
BEng Civil Engineering

Guide to Course Content

Part A – First Year
- Communications
- Fluid Mechanics
- Structural Analysis and Mechanics
- Engineering Materials
- Construction Technology & Management 1
- Mathematics
- Sustainable Engineering Design
- Surveying
- Graphical Communication

Part B – Second Year
- Structural Design
- Geotechnics
- Hydraulics
- Construction Contract Procedure
- Structural Analysis & Mechanics
- Health & Safety
- Surveying
- Construction Management
- Field Courses in Surveying, Geotechnics & Mathematics

Part C – Third or Fourth Year*
- Structural Analysis & Mechanics
- Water Engineering
- Geotechnics
- Group Design Project
- Individual Research Project
- Project Management
- Three option modules
- Part C Options
- Disaster Risk Reduction, Resilience & the Built Environment
- Water Treatment Process Engineering
- Finite Element Structural Analysis
- Maintenance, Repair & Refurbishment
- Applied Structural Analysis
- Ground Engineering
- Environmental Engineering
- Emergency Water Supply & Sanitation Engineering
- Language
- Civil Engineering for Developing Countries
- Further Mathematics
- Urban Water Management
- Civil Engineering Technology

* ‘Sandwich’ year of industrial training is optional after Part B

Aims of the course:

To provide a high quality educational experience that develops students’ knowledge and skills, with emphasis on industrial relevance, in preparation for a career in the construction industry and make a valuable contribution to society, and achieve their own personal goals.

The first two years of the BEng and MEng Civil Engineering courses are common, and transfer to the MEng is possible at the end of Part B, provided you satisfy the progression requirements of the MEng.

Industrial Training

Around 55% of undergraduates take an industrial year between Parts B and C of their degree. This year provides students with a clearer understanding of the construction industry, helps decide future career direction, often leads to a job on graduation and last but not least, provides a salary for twelve months. The School’s Industrial Training Tutor provides students with assistance in finding placements.

Your Application

The BEng in Civil Engineering is offered as a full-time course of three years or as a four-year sandwich course incorporating a year of industrial training to gain the Diploma in Industrial Studies (DIS). If we make an offer after considering your application from you will then be invited to visit the University. This is not for a formal interview but an opportunity for you to see the School and to meet staff and current students. You should make your application through UCAS.

Accreditation

The Civil Engineering courses are accredited by the Institution of Civil Engineers, the Institution of Structural Engineers and the Chartered Institution of Highways and Transportation by the Joint Board of Moderators (JBM). The courses meet the current UK-SPEC requirements of the Engineering Council (ECUK). Specifically, the BEng is accredited as:

1. Fully satisfying the educational base for an Incorporated Engineer (IEng).
2. Partially satisfying the educational base for a Chartered Engineer (CEng). A programme of accredited Further Learning will be required to complete the educational base for CEng.

See http://www.lboro.ac.uk for further information in general, and details of Further Learning programmes for CEng status.

Typical Offer

A Level qualifications
3 A Levels with one subject being Mathematics and a second being a Science, at grades of ABB or above.
BTEC QCF Extended Diploma
3 Distinctions (DDD) or above, including Distinction in BTEC Applied Mathematics and Further Maths or grade B in A Level Mathematics. Normally the BTEC has to be in Civil Engineering.
International Baccalaureate
Minimum 34 points, including 5 in HL Mathematics.
Second year entry
Second year entry may be offered to applicants with appropriate qualifications. Examples include Diplomas from Malaysia and Singapore and Higher Diplomas from Hong Kong.
Additional requirements
GCSE Mathematics grade C, GCSE English grade C.

Sponsorship

All Part A BEng students have the opportunity to apply for sponsorship to a consortium of leading UK companies. Sponsorship will provide you with a bursary during your study on the course, summer placement work for those who want it and employment for the twelve month period of Industrial Training.

The following Consulting Engineers, Contractors and other organisations are committed to the scheme:

One of the main benefits of the Civil Engineering course at Loughborough is that it is accurately tailored towards UK industry. This allows the graduate to really ‘hit the ground running’ reducing the required learning curve and enabling involvement in interesting, high profile projects from the outset.

Joe Hilton, Graduate Engineer, Atkins

H200 BEng/CvE – 3yr Full-time
H201 BEng/CvE4 – 4yr Sandwich
UCAS Codes:
See http://www.jbm.org.uk for further information in general, and details of further learning programmes for CEng status.
The Course

The BSc Commercial Management and Quantity Surveying course is a fully sponsored 4 year sandwich course.

The course has been developed jointly by Loughborough University and 16 major contractors to meet the needs of tomorrow’s commercial managers. These companies have shown their commitment by sponsoring both the course and the course students.

The course is delivered by means of lectures, tutorials, seminars, case studies, site visits, field studies and project work. Academic study is reinforced by the Industrial Training year.

Guide to Course Content

Key themes of the course

- Construction Technology
- Building Services
- Construction Management
- Construction Law
- Measurement and Economics
- Project Administration
- Information Technology
- e-construction
- Industrial Training
- Personal Research Project
- Surveying

Most of the subjects on the course are developed during the three academic years, from basic principles for simple buildings to a detailed understanding of complex, high-technology buildings. The key topics of both Building and Civil Engineering construction are covered.

Full details of the course modules are available on the website: www.lboro.ac.uk/cmqs

The Subject

Every construction project is unique – a different building, constructed on a different site by a different team of workers. This demands a high level of commercial and technical management expertise. Quantity Surveyors and Contracts Managers supply much of the Commercial Management within the industry. They deal with contract documentation, company and project finance and legal matters, both on site and in the office.

As construction is always a team effort, personal relationship skills also have to be developed.

Your Application

Applications for the course should be made through the UCAS system. Upon receipt of your application you will be invited to the University for a visit and interview. Most people interviewed will receive an offer of a place on the course.

Typical Offer

A-Level qualifications

300 points from three A-Levels (excluding General Studies), or

BTEC Level 3 Extended Diploma

DDM

International Baccalaureate

32 points from the International Baccalaureate.

Additional requirements

GCSE Mathematics and GCSE English Language grade C or above.

Accreditation

The course is fully accredited by the Royal Institution of Chartered Surveyors and the Chartered Institution of Civil Engineering Surveyors.

Sponsorship

The course is sponsored by major British Construction Employers. Their experience in training ensures that periods spent in industry maximise the learning opportunities available and complement academic studies. The partnership between sponsors and the University means our graduates are fully equipped to meet the challenging current and future needs for commercial management and quantity surveying in the industry.

All students are interviewed by the School and the consortium of sponsors prior to a course offer being made.

List of sponsoring companies:

- Balfour Beatty
- BAM
- Bovis
- Galliford Try
- Sir Robert McAlpine
- Shepherd
- Morgan Sindall
- Skanska
- Kier

The course gave me a fantastic grounding in the principles of quantity surveying. The skills learnt on the industrial placement year are invaluable and greatly increase your employability once you graduate, as well as giving you much more practical knowledge to take forward into the final year.

Neal Wainwright, Quantity Surveyor, Sir Robert McAlpine

The knowledge gained during my time at Loughborough has been invaluable and is now used extensively in my work environment. During my year in industry, Loughborough encouraged me to pursue professional membership of the RICS which could enable me to become a Chartered Surveyor just 12 months after finishing University.

Nick James, Quantity Surveyor, Kier Group
The Course
This is a four-year sandwich course that includes an industrial placement year between Part B and Part C.

The course provides future managers of projects and companies with knowledge and skills in management, commerce and technology relevant to the contemporary construction industry.

Professionally, graduates will be expected to become Chartered Builders - full members of the Chartered Institute of Building, the recognised professional body for building managers.

Key themes of the course:
- Management Principles and Practice
- Construction Management Systems
- Construction Engineering Technology
- Legal Principles and Practice
- Economics and Finance
- Building Services
- The Process of Building
- Development of Professional Skills

Full details of the course modules are available on the website: www.lboro.ac.uk/cem

Typical Offer
A Level qualifications
280 points from three subjects at A Level (not including General Studies).

BTEC Level 3 Extended Diploma
DMM 280 points from 18 units (or 12 units + one GCE A Level).

SQA

International Baccalaureate
Minimum 30 points.

Additional requirements
GCSE Mathematics and GCSE English Language grade C or above.

Admission
The course is run in conjunction with a consortium of major construction contractors, who help in the admission process and also offer sponsorship and placement opportunities.

Accreditation
The course is fully accredited by the Chartered Institute of Building (CIOB).

Sponsorship
Each of the sponsoring companies is a major force within the UK construction industry engaged in all forms of construction including public and private, commercial and industrial building, refurbishment and development work. Their company training programmes develop staff through to professional qualifications and throughout their careers.

The course has been developed as a partnership between Loughborough University and the sponsorship companies. The course content reflects the future needs of these major national firms for well-educated managers. Their participation in course development and their sponsorship of the course and its students reflects their commitment to this objective. All the sponsoring firms have experienced and professional training staff.

List of sponsoring companies:
- Balfour Beatty
- BAM
- Bovis Lend Lease
- Califford Try
- GMI
- Kier
- Morgan Sindall
- Shepherd
- Skanska
- Wimpey
- Wates

CEM provided me with the technical skills to set-out buildings whilst developing the communication skills required to engage with Clients. The experience gained on placement was invaluable in providing a real insight into industry and recognising my own interests as the focus for future career development.

Andrew Ernest, AMEC
The range of modules and subjects covered create a comprehensive basis for a graduate career within the industry. Since graduating, my career has developed at a rapid pace and without the foundations of my degree in AEDM, I would not have been able to face the challenges along the way.

Claire Brown, Design Coordinator, Balfour Beatty Construction
BSc Air Transport Management

The Course
This course prepares students for a career in the air transport business and is fully accredited by the Chartered Institute of Logistics and Transport. The course provides a thorough and practical knowledge of the economic, social and technological aspects of air transport, as well as transferable management skills such as IT, economic, written and verbal presentation skills. Self motivation to study, a willingness to work in teams and an ability to produce work of a high standard are essential characteristics for potential students.

Students are assessed by a combination of coursework and written examinations. In the final year a dissertation forms a key element. This is assessed by written report. There is an opportunity to study for a semester abroad at either Université de Savoie (France) or TU Dresden (Germany) under the EU Socrates-Erasmus student exchange programme.

Guide to Course Content
Part A modules include:
- Air Transport
- Logistics
- Management
- Economics
- Finance
- Statistics
- Land Passenger Transport Systems
- Air Transport Technology
- Optional French, German or Spanish

Part B modules include:
- Aviation Planning
- Management Science
- Economics of Transport
- Transport Planning
- Business Strategy
- Transport Risk and Safety
- Transport and the Environment
- Road Transport Engineering and Operations
- Supply Chain Management
- Optional French, German or Spanish

Part C modules include:
- Applied Research Methods
- Airport Management
- Aviation Safety
- Transport Policy
- Transport Demand Management
- Airline Marketing & Management
- Research Dissertation

Industrial Training
The four-year course includes one year of professional training with an approved external organisation after completion of Year 2, leading to the award of the Diploma in Industrial Studies. This option is of considerable benefit if you have little or no previous practical experience in the transport industry. This placement can often lead to the offer of permanent employment upon graduation. Previous placement roles have included airport planning and operations, security, airline operations and international air freight.

Opportunities for Graduates
Each year executives from major transport companies make special visits to the School to discuss their recruitment programmes. Many students have progressed to roles within airlines, airports, transport consultancies, logistic companies and public transport.

Your Application
You should make your application through UCAS. On receipt of your application it will be evaluated as to your suitability for the course, paying particular attention to previous examination results, your referee’s statement and your personal statement.

Typical Offer
A level qualifications
280 points from 3 A Levels not including General Studies
BTEC ND
280 points from 18 units (or 12 units + one GCE A Level).
SQA
International Baccalaureate
Minimum 30 points.

Additional requirements
GCSE Mathematics grade C, GCSE English Grade C.

UCAS Codes:
HNK9 BSc/ATM4 – 4yr Sandwich
HN49 BSc/ATM – 3yr Full-time

Contact: M.P.Enoch@lboro.ac.uk

I have always had a keen interest in aviation and business, and the Air Transport Management course at Loughborough combines the two extremely well. The course contains an array of business strategy, aviation, airport and surface transport modules. The staff were always passionate, enthusiastic and knowledgeable about the subjects they were teaching.

Jessica van-Ristell, PhD student, Loughborough University
BSc Transport and Business Management

Guide to Course Content

Part A modules include:
- Management
- Economics
- Logistics
- Air Transport
- Finance
- Transport Demand and Human Need
- Statistics
- Land Passenger Transport Systems
- Road Transport Technology
- Optional French, German or Spanish

Part B modules include:
- Transport Planning
- Business Strategy
- Transport Risk and Safety
- Economics of Transport
- Supply Chain Management
- Transport and the Environment
- Road Transport Engineering and Operations
- Optional French, German or Spanish

Part C modules include:
- Airport Management
- Applied Research Methods
- Travel Behaviour
- Transport Policy
- Sustainable Cities and Transport
- Rail Transport Operations
- Transport Demand Management
- Research Dissertation

Full list of modules is available on the course website: www.lboro.ac.uk/departments/cv

The Course

The BSc in Transport and Business Management degree covers the principles of managing the human and technical resources required in passenger and freight transport systems, and the importance of transport in relation to the economy and society. This is examined in terms of the numerous benefits and costs of transport in general and of the relative merits of a range of different modes. The course is multidisciplinary, embracing the fundamental principles of planning, management, economics and technology. The course is accredited by the Chartered Institute of Logistics and Transport.

Students are assessed by a combination of coursework and written examinations. In the final year a dissertation forms a key element. This is assessed by written report. There is an opportunity to study for a semester abroad at either Université de Savoie (France) or TU Dresden (Germany) under the EU Socrates-Erasmus student exchange programme.

Industrial training

The four-year course includes one year of professional training with an approved external organisation after completion of Year 2, leading to the award of the Diploma in Industrial Studies. This option is of considerable benefit, especially if you have little or no previous practical experience in the transport industry. This placement can often lead to the offer of permanent employment upon graduation. Previous placement roles have included roles within airports, bus operators, rail operators, local government, distribution and international freight forwarders.

Opportunities for Graduates

Each year executives from major transport companies make special visits to the School to discuss their recruitment programmes. Many students have progressed to roles within transport consultancies, airlines, airports and public transport.

Your Application

You should make your application through UCAS. On receipt of your application it will be evaluated as to your suitability for the course, paying particular attention to previous examination results, your referee’s statement and your personal statement.

If an offer of a place is made, you will be invited to visit the University during term time to enable you to hear about the course, explore the campus and meet some of the tutors. If you receive an offer from us, this is a clear message that we want you to study with us and we think you are capable of completing the course.

Typical Offer

A Level qualifications
280 points from 3 A Levels not including General Studies.

BTEC ND
280 points from 18 units (or 12 units + one GCE A Level).

SQA

International Baccalaureate
Minimum 30 points.

Additional requirements
GCSE Mathematics grade C, GCSE English grade C.

Transport Management at Loughborough gave me a really solid grounding and understanding of how the industry works. The modules studied reflect the real life issues of working in transport. With fierce competition for jobs in this sector, it is good to have the backing and reputation of this degree.

Nicholas Westcott, Head of Performance, First Capital Connect