



UNIVERSITY OF  
LIVERPOOL

MEng

# Civil Engineering

**UCAS code** H202

Entry requirements	Study mode	Duration
A level: AAB	Full-time	4 years

Apply by: **29 January 2025**

Starts on: **22 September 2025**

## About this course

Civil engineers are responsible for the design, project management and construction of the physical infrastructure of our society. Our broad-based, vocational programme covers all the required aspects of a civil engineer's education, with an emphasis on applying your learning in context.

---

## Introduction

You will be introduced to the essentials – everything from structural analysis and design, materials, ground engineering, water supply and sanitation, to the digital built environment and its digitisation. You'll also study relevant subjects such as maths, computer-aided drawing, and communication skills. You will be given an understanding of the climate crisis and the biodiversity crisis and learn how civil engineers can play their part in addressing these global challenges.

A range of individual and group design exercises provide an opportunity for industrial feedback and this is supplemented by site visits. Our teaching staff offer projects based on their research expertise.

Students are encouraged and supported to gain relevant work experience to enhance their employability by applying for a summer internship or a year placement with an approved company/organisation.

Civil engineering graduates are in great demand and our programme aims to provide the educational base for graduates who demonstrate great skills in critical thinking, collaboration, communication and creativity.

This programme also has a year abroad option, an incredible opportunity to spend an academic year at one of our partner universities.

---

## **What you'll learn**

- The key aspects underpinning the field of Civil Engineering
  - Leading and working in teams
  - How to undertake research
  - Adapting to a busy hands-on industry environment
  - Critical thinking
  - Teamwork
  - How to present and communicate clearly
- 

## **Accreditation**

This degree is accredited by the Joint Board of Moderators (JBM) comprising the Institution of Civil Engineers, Institution of Structural Engineers, Institute of Highway Engineers, the Chartered Institution of Highways and Transportation and the Permanent Way Institution on behalf of the Engineering Council for the purposes of fully meeting the academic requirement for registration as a Chartered Engineer (CEng).

---

### **Accreditation in detail**

## **JBM**

These programmes are accredited by the Joint Board of Moderators, which represents five major civil engineering institutions and accredits civil engineering programmes on behalf of the Engineering Council, which sets and maintains the

standards for the engineering profession in the UK. The MEng degree is accredited as fully satisfying the educational base for a Chartered Engineer (CEng). The BEng degree is accredited as: (i) fully satisfying the educational base for an Incorporated Engineer (IEng) and (ii) 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 [jbm.org.uk](http://jbm.org.uk) for further information and details of further learning programmes for CEng.

---

^ [Back to top](#)

---

# Course content

Discover what you'll learn, what you'll study, and how you'll be taught and assessed.

---

## Year one

### Modules

Compulsory modules	Credits
<a href="#"><u>GEOMECHANICS 1 (CIVE120)</u></a>	7.5
<a href="#"><u>SOLIDS AND STRUCTURES 1 (ENGG110)</u></a>	15
<a href="#"><u>ENERGY SCIENCE (ENGG116)</u></a>	15
<a href="#"><u>CIVIL AND ARCHITECTURAL ENGINEERING PROJECTS (CIVE162)</u></a>	30
<a href="#"><u>ENGINEERING MATHEMATICS (ENGG198)</u></a>	22.5
<a href="#"><u>DIGITAL ENGINEERING (CIVE125)</u></a>	15
<a href="#"><u>INTRODUCTION TO ENGINEERING MATERIALS (MATS105)</u></a>	15

Programme details and modules listed are illustrative only and subject to change.

---

## Year two

### Modules

Compulsory modules	Credits
<u>GEOMECHANICS 2 (CIVE220)</u>	15
<u>GROUP DESIGN PROJECT (CIVE263)</u>	15
<u>HYDRAULICS (CIVE210)</u>	15
<u>STRUCTURAL ELEMENT DESIGN (CIVE241)</u>	15
<u>ENVIRONMENTAL PLANNING AND INFRASTRUCTURE PROJECT (CIVE261)</u>	15
<u>PROGRAMMING FOR CIVIL ENGINEERS (CIVE286)</u>	7.5
<u>ENGINEERING MATHEMATICS II (CIVE299)</u>	7.5
<u>STRUCTURAL BEHAVIOUR (CIVE203)</u>	15
<u>TRANSPORTATION ENGINEERING AND MODELLING (CIVE212)</u>	7.5
<u>ENVIRONMENTAL ENGINEERING 1 (CIVE204)</u>	7.5

Programme details and modules listed are illustrative only and subject to change.

## Year three

## Modules

Compulsory modules	Credits
<u>GEOTECHNICAL ENGINEERING (CIVE320)</u>	15
<u>INDIVIDUAL PROJECT (ENGG341)</u>	30

Compulsory modules	Credits
<u>SUSTAINABLE WATER ENGINEERING (CIVE316)</u>	15
<u>OLD STRUCTURES OF STEEL, TIMBER AND MASONRY (CIVE334)</u>	15
<u>SUSTAINABLE DESIGN AND CONSTRUCTION MANAGEMENT (CIVE350)</u>	15
<u>STRUCTURAL PLANNING (CIVE340)</u>	15

Optional modules	Credits
<u>INTRODUCTION TO FINITE ELEMENTS (ENGG302)</u>	7.5
<u>UNCERTAINTY, RELIABILITY AND RISK 1 (ENGG304)</u>	7.5
<u>STRUCTURAL DYNAMICS (ENGG301)</u>	7.5
<u>EARTHQUAKE ENGINEERING (CIVE342)</u>	7.5

Programme details and modules listed are illustrative only and subject to change.

## Year four

## Modules

Compulsory modules	Credits
<u>ADVANCED GEOMECHANICS (CIVE420)</u>	15
<u>CAPSTONE: MULTIDISCIPLINARY PROJECT (CIVE462)</u>	30

Compulsory modules	Credits
<u>STRUCTURAL SYSTEMS (CIVE405)</u>	15
<u>MATERIALS FOR DURABLE AND SUSTAINABLE CONSTRUCTION (CIVE401)</u>	15
<u>RISK AND UNCERTAINTY: PROBABILITY THEORY (ENGG404)</u>	7.5
<u>ADVANCED CONSTRUCTION MANAGEMENT (CIVE450)</u>	15
<u>STRUCTURAL OPTIMISATION (ENGG414)</u>	7.5
Optional modules	Credits
<u>COASTAL AND ESTUARY PROCESSES (CIVE487)</u>	15
<u>POLITICS OF THE ENVIRONMENT (ENVS525)</u>	15

Programme details and modules listed are illustrative only and subject to change.

## Teaching and assessment

### How you'll learn

Our degree programmes encompass the development of a holistic, systems approach to engineering. Technical knowledge and skills are complemented by a sound appreciation of the life-cycle processes involved in engineering and an awareness of the ethical, safety, environmental, economic, and social considerations involved in practicing as a professional engineer.

You will be taught through a combination of face-to-face teaching in group lectures, laboratory sessions, tutorials, and seminars. Our programmes include a substantial practical component, with an increasing emphasis on project work as you progress through to the final year. You will be supported throughout by an individual academic adviser.

## How you're assessed

Assessment takes many forms, each appropriate to the learning outcomes of the particular module studied. The main modes of assessment are coursework and examination. Depending on the modules taken, you may encounter project work, presentations (individual and/or group), and specific tests or tasks focused on solidifying learning outcomes.

## Liverpool Hallmarks

We have a distinctive approach to education, the Liverpool Curriculum Framework, which focuses on research-connected teaching, active learning, and authentic assessment to ensure our students graduate as digitally fluent and confident global citizens.

The Liverpool Curriculum framework sets out our distinctive approach to education. Our teaching staff support our students to develop academic knowledge, skills, and understanding alongside our **graduate attributes**:

- Digital fluency
- Confidence
- Global citizenship

Our curriculum is characterised by the three **Liverpool Hallmarks**:

- Research-connected teaching
- Active learning
- Authentic assessment

All this is underpinned by our core value of **inclusivity** and commitment to providing a curriculum that is accessible to all students.

---

^ [Back to top](#)

---

# Careers and employability

We are committed to developing the modern professional engineers for the future, ensuring that learning environments reflect future working environments. The skills gained through studying a degree in Civil Engineering equip our graduates with the knowledge necessary to excel in an ever-changing industry.

Many graduates have moved on to have careers with employers such as:

- Airbus
- BMI
- British Airways
- Highways Agency
- Jaguar Land Rover
- National Nuclear Laboratory
- Network Rail
- Pilkington
- Rolls Royce
- Siemens.

^ [Back to top](#)

---

# Fees and funding

Your tuition fees, how to pay, and other costs to consider.

## Tuition fees

### UK fees (applies to Channel Islands, Isle of Man and Republic of Ireland)

Full-time place, per year – £9,535

Year in industry fee – £1,905

Year abroad fee – £1,430 (applies to year in China)

### International fees

Full-time place, per year – £29,100

Year in industry fee – £1,905

Year abroad fee – £14,550 (applies to year in China)

The tuition fees shown are correct for 2025/26 entry. Please note that the year abroad fee also applies to the year in China.

Tuition fees cover the cost of your teaching, assessment, operating University facilities such as libraries, IT equipment, and access to academic and personal support.

## Additional costs

We understand that budgeting for your time at university is important, and we want to make sure you understand any course-related costs that are not covered by your tuition fee. This includes a lab coat, safety boots, and a residential construction course.

Students should expect to cover the following costs:

### Lab coats

Students are required to wear a lab coat for all Engineering laboratory sessions. Students may purchase a lab coat at the start of the year from the Student Support Office at a subsidised cost of £15.

### **Safety boots**

Students will be required to wear safety shoes or boots (with both toe cap and midsole protection conforming to European safety legislation) for some activities. Boots must be provided by the students.

### **Other safety equipment.**

All essential safety equipment, other than those listed above, is provided free of charge by the department.

### **The 'Constructionarium'**

During year two, you will have a week of residential, hands-on construction experience at 'The Constructionarium'. There is an additional cost of up to £250 for the Constructionarium.

[Find out more about additional study costs.](#)

---

^ [Back to top](#)

---

# Entry requirements

The qualifications and exam results you'll need to apply for this course.

---

## A levels

AAB including Mathematics.

Applicants with the Extended Project Qualification (EPQ) are eligible for a reduction in grade requirements. For this course, the offer is **ABB** with **A** in the EPQ.

You may automatically qualify for reduced entry requirements through our contextual offers scheme. Based on your personal circumstances, you may automatically qualify for up to a two-grade reduction in the entry requirements needed for this course. When you apply, we consider a range of factors – such as where you live – to assess if you're eligible for a grade reduction. You don't have to make an application for a grade reduction – we'll do all the work.

Find out more about [how we make reduced grade offers](#).

---

## T levels

T levels are not currently accepted.

---

## GCSE

4/C in English and 4/C in Mathematics

---

## Subject requirements

Mathematics

For applicants from England: For science A levels that include the separately graded practical endorsement, a "Pass" is required.

---

## BTEC Level 3 National Extended Certificate

Acceptable at grade Distinction\* alongside BB at A level including A Level Mathematics.

---

## BTEC Level 3 Diploma

Distinction\* Distinction\* in relevant BTEC considered alongside A Level Mathematics grade B. Accepted BTECs include Aeronautical, Aerospace, Construction, Mechanical, Mechatronics and Engineering.

---

### **BTEC Level 3 National Extended Diploma**

D\*DD in acceptable BTEC, plus B in A level Maths (not accepted without B in A level Maths)

---

### **International Baccalaureate**

35 overall, including 5 at Higher Level Mathematics.

---

### **Irish Leaving Certificate**

H1,H1,H2,H2,H2,H3, including H2 in Higher Maths. We also require a minimum of H6 in Higher English or O3 in Ordinary English

---

### **Scottish Higher/Advanced Higher**

AAB including Maths

---

### **Welsh Baccalaureate Advanced**

Acceptable at grade B alongside AA in A Levels including A Level Mathematics.

---

### **Cambridge Pre-U Diploma**

D3 in Cambridge Pre U Principal Subject is accepted as equivalent to A-Level grade A M2 in Cambridge Pre U Principal Subject is accepted as equivalent to A-Level grade B Global Perspectives and Short Courses are not accepted.

---

### **Access**

Considered if taking a relevant subject. Check with Department or Admissions team.

---

### **International qualifications**

Select your country or region to view specific entry requirements.

If you hold a bachelor's degree or equivalent, but don't meet our entry requirements, you could be eligible for a Pre-Master's course. This is offered on campus at the [University of Liverpool International College](#), in partnership with Kaplan International Pathways. It's a specialist preparation course for postgraduate study, and when you pass the Pre-Master's at the required level with good attendance, you're guaranteed entry to a University of Liverpool master's degree.

---

---

## English language requirements

You'll need to demonstrate competence in the use of English language, unless you're from a [majority English speaking country](#).

We accept a variety of [international language tests](#) and [country-specific qualifications](#).

International applicants who do not meet the minimum required standard of English language can complete one of our [Pre-Sessional English courses](#) to achieve the required level.

---

### IELTS

6.0 overall, with no component below 5.5

---

### TOEFL iBT

78 overall, with minimum scores of listening 17, writing 17, reading 17 and speaking 19. TOEFL Home Edition not accepted.

---

### TOEFL Paper

Grade 6 at Standard Level or grade 5 at Higher Level

---

### Duolingo English Test

115 overall, with speaking, reading and writing not less than 105, and listening not below 100

---

### **Pearson PTE Academic**

59 overall, with no component below 59

---

### **LanguageCert Academic**

65 overall, with no skill below 60

---

### **Cambridge IGCSE First Language English 0500**

Grade C overall, with a minimum of grade 2 in speaking and listening. Speaking and listening must be separately endorsed on the certificate.

---

### **Cambridge IGCSE First Language English 0990**

Grade 4 overall, with Merit in speaking and listening

---

### **Cambridge IGCSE Second Language English 0510/0511**

0510: Grade C overall, with a minimum of grade 2 in speaking. Speaking must be separately endorsed on the certificate. 0511: Grade C overall.

---

### **Cambridge IGCSE Second Language English 0993/0991**

0993: Grade 5 overall, with a minimum of grade 2 in speaking. Speaking must be separately endorsed on the certificate. 0991: Grade 5 overall.

---

### **Cambridge ESOL Level 2/3 Advanced**

169 overall, with no paper below 162

---

### **LanguageCert**

Grade 4 at Standard Level or grade 4 at Higher Level

---

# Pre-sessional English

Do you need to complete a Pre-sessional English course to meet the English language requirements for this course?

The length of Pre-sessional English course you'll need to take depends on your current level of English language ability.

## Pre-sessional English in detail

If you don't meet our English language requirements, we can use your most recent IELTS score, or [the equivalent score in selected other English language tests](#), to determine the length of Pre-sessional English course you require.

Use the table below to check the course length you're likely to require for your current English language ability and see whether the course is available on campus or online.

Your most recent IELTS score	Pre-sessional English course length	On campus or online
5.5 overall, with no component below 5.5	6 weeks	On campus
5.5 overall, with no component below 5.0	10 weeks	On campus and online options available
5.0 overall, with no component below 5.0	12 weeks	On campus and online options available
5.0 overall, with no component below 4.5	20 weeks	On campus
4.5 overall, with no component below 4.5	30 weeks	On campus
4.0 overall, with no component below 4.0	40 weeks	On campus

If you've completed an alternative English language test to IELTS, we may be able to use this to assess your English language ability and determine the Pre-sessional English course length you require.

Please see our guide to [Pre-sessional English entry requirements](#) for IELTS 6.0 overall, with no component below 5.5, for further details.

---

## Alternative entry requirements

- If your qualification isn't listed here, or you're taking a combination of qualifications, [contact us](#) for advice
- [Applications from mature students](#) are welcome.

[^ Back to top](#)

Generated: 27 Mar 2025, 21:17

© University of Liverpool