The fact that you are reading this suggests that you are attracted by the wonders of civil engineering. You are probably someone who loves to find out how and why things work. The profession interests you because it is a question of mankind and nature acting in harmony. Nowadays, the profession is challenged as never before, for example by climate change, seismic risk, increased traffic congestion and by the need for environmental, economic and social sustainability.

If you think you are up to the challenge, civil engineering can provide you with an exciting and rewarding career.

Civil engineering is made up of three core disciplines: structures (why they don’t fall apart and don’t deform too much), geotechnics (how the ground supports the structure) and hydraulics (fluid flow, coastal defences, river engineering, wind loads on tall buildings and bridges and so on), plus other important subjects such as management and surveying and many more. There is something for everyone.

A civil engineering degree is a highly numerate and diverse degree which is a passport to any analytical career.

At The University of Nottingham we have an outstanding reputation for world-class teaching and research. This reputation, together with our excellent links with industry, ensures our graduates are highly sought after. Our students not only value the academic quality of their courses and our excellent facilities, but also the friendly atmosphere and relaxed environment in which they study. Staff are easily accessible and provide a rich, stimulating learning experience.

So please read on and learn about civil engineering at Nottingham. You can always visit www.nottingham.ac.uk/civil for more detailed information.

Professor Glenn McDowell DSc
Head of Department of Civil Engineering

Don’t forget to watch our videos from staff and students from across the Faculty of Engineering: www.nottingham.ac.uk/go/watch-engfaculty
Why study civil engineering at Nottingham?

Study with us because:

• 94% of our undergraduates secured work or further study within six months of graduation*

• you can apply to study for part of your degree at our campuses in China and Malaysia

• our links with industry enable us to help students arrange a variety of summer and year-out placement opportunities

• our teaching is underpinned by excellent research. The Faculty of Engineering is ranked third in the UK for the quality and impact of its research in the 2014 Research Excellence Framework**

* Known destinations of full-time home and EU first-degree graduates, 2013/14.

** Research power for general engineering.

High demand for Nottingham graduates

As a Nottingham graduate you will be in high demand, graduates from the Department of Civil Engineering attain high positions in industry, both in the civil engineering profession and in other sectors.

A degree in civil engineering from Nottingham demonstrates that you can think critically, solve complex problems and work effectively, so demand is also high from other professions such as finance and accountancy, education and management consultancy.

We have a wide range of excellent contacts in industry, including the many companies who have recruited our graduates, sponsored our students or provided work experience for them in recent years. Feedback tells us that our students typically earn £24,000–£25,000 six months after graduating. With strong industry links and support from our dedicated careers network, we give you the best chance of success in your chosen discipline in diverse civil engineering fields such as: structures, geotechnical, environmental, surveying, road and rail infrastructure, water and energy.

We stage events such as careers presentations by companies, site visits and careers fairs, in addition to running our own Industrial Sponsorship Scheme for students. For more information see www.nottingham.ac.uk/careers

Facilities

We have dedicated teaching labs for structures, geotechnics and fluid mechanics. We also have a large geotechnical centrifuge facility, leading-edge GPS, surveying and laser scanning equipment, the largest road materials testing facility in the UK and a strong floor facility for major structural testing.

Engineering Adviser Scheme

We seek to build links with practicing engineers throughout our undergraduate degree programmes. We have a network of local engineering advisers who arrange site visits and provide helpful advice, and offer a professional perspective on much of our project work, which is a central theme of our courses.

Elective modules

All undergraduates are offered a wide range of module options both within the department and in other disciplines. This provides greater opportunity for you in finding areas of special interest as well as making you a more rounded graduate for the world of work.

International travel

Undergraduates at The University of Nottingham have many opportunities to study abroad; we have partner institutions in Europe and North America and we are members of Universitas 21, which provides study abroad opportunities around the world including Australasia. Our undergraduates can also study at our overseas campuses in Malaysia and China.
Student Tom Redgate walking on the active treadmill to investigate pedestrian excitation of bridges.

Degree courses

<table>
<thead>
<tr>
<th>Degree title</th>
<th>UCAS code</th>
<th>Duration</th>
<th>A levels</th>
<th>IB</th>
<th>Places</th>
</tr>
</thead>
<tbody>
<tr>
<td>BEng Civil Engineering</td>
<td>H201</td>
<td>3 years</td>
<td>AAA-AAB</td>
<td>36-34</td>
<td></td>
</tr>
<tr>
<td>MEng Civil Engineering</td>
<td>H200</td>
<td>4 years</td>
<td>AAA</td>
<td>36</td>
<td>100*</td>
</tr>
<tr>
<td>BEng Civil and Environmental Engineering</td>
<td>H294</td>
<td>3 years</td>
<td>AAA-AAB</td>
<td>36-34</td>
<td></td>
</tr>
<tr>
<td>MEng Civil and Environmental Engineering</td>
<td>H295</td>
<td>4 years</td>
<td>AAA</td>
<td>36</td>
<td></td>
</tr>
</tbody>
</table>

* Places across all courses in the department

MEng and BEng degree programmes

Our courses are offered at both MEng and BEng levels. The MEng degree is a four-year programme that fully satisfies the educational requirements to become a chartered civil, structural or highway engineer. This is the industry accepted route into the profession in the UK. The BEng degree is a three-year programme and students following this route will need to complete some further study if they wish to become chartered engineers. Many students, especially those from overseas, choose to do our BEng and then stay to complete one of our accredited MSc degrees.

Applicants to the MEng course will usually be made a dual offer of AAA for MEng and AAB for BEng. This means they receive two offers for one UCAS application and a place in the department even if they narrowly miss the AAA requirement. At the end of the second year, BEng students performing to a good standard have the option to transfer onto the MEng course.

Accreditation

Our degrees are accredited by The Joint Board of Moderators (JBM) under licence from the UK regulator, the Engineering Council. The JBM is made up of four professional bodies: the Institution of Civil Engineers; the Institution of Structural Engineers, the Chartered Institution of Highways and Transportation, and the Institute of Highway Incorporated Engineers.

Accreditation is a mark of assurance that the degree meets the standards set by the Engineering Council in the UK Standard for Professional Engineering Competence (UK-SPEC). An accredited degree will provide you with some or all of the underpinning knowledge, understanding and skills for eventual registration as a Chartered Engineer (CEng). Most employers recruit preferentially from accredited degrees.

Our MEng degrees are accredited as fully satisfying the educational base for a Chartered Engineer (CEng). Our BEng degrees are accredited as fully satisfying the educational base for an Incorporated Engineer (IEng) and partially satisfying those for a CEng. A programme of accredited Further Learning will be required to complete the educational base for CEng. Please see [www.jbm.org.uk](http://www.jbm.org.uk) for further information and details.

Our courses are also accredited by the Chartered Institution of Civil Engineering Surveyors and the Royal Institution of Chartered Surveyors, if students choose appropriate elective modules.
BEng/MEng Civil Engineering
Our flagship civil engineering courses provide a solid grounding in the core disciplines of structures, hydraulics, geotechnics, materials, surveying and construction management. There is an emphasis on project work throughout and a wide range of module choices to develop your specialist knowledge in later years.

Year one
• introduction to the core disciplines and the context of civil engineering
• engineering design introduced through project work
• residential surveying field course
• elective workshops

Year two
• core subjects developed in greater depth alongside further elective modules
• major design-based project to help you apply your studies.

Year three
• core subjects continue alongside a range of elective modules
• Individual Investigative Project and Group Design Project (BEng only)
• Engineering in Context Project with an industrial link or theme (MEng option only)
• Construction Practice (MEng option only)

Year four (MEng only)
• choice of a wide range of elective modules
• Major Group Design Project
• Individual Investigative Project

By the end of the course
Students will be equipped to embark on a career in civil engineering, or other disciplines that require numerate problem-solving graduates. MEng graduates will have the breadth and depth of knowledge to reach the top in their chosen career.

Inter-campus exchanges available
China and Malaysia

BEng/MEng Civil and Environmental Engineering
Students on the civil and environmental engineering course also follow the core modules from the civil engineering course, but their choice of elective modules is prescribed to give the necessary grounding in environmental engineering. They must also choose an environmental topic for their projects in the third and fourth years.

Year one
Similar content to the civil engineering courses (H200/H201), but your project work will include environmental management and assessment.

Year two
In addition to the civil engineering core module, you will study Air Quality and Noise and follow an environmentally related design project.

Year three
• core subjects including specialist modules on an environmental theme, Sustainable Construction and Environmental Geotechnology
• an Individual Investigative Project on an environmental engineering topic (BEng only)
• an Engineering in Context project on an environmental topic (MEng option only)
• Construction Practice (MEng option only)

Year four (MEng only)
• choice of a wide range of elective modules
• Major Group Design Project focusing on environmental issues
• Individual Investigative Project on an environmental engineering topic

By the end of the course
Students will be equipped to embark on a career in civil engineering and will have the specialist knowledge to meet the growing demand for environmental specialists in the water and construction industries.

Inter-campus exchanges available
China and Malaysia
# BEng course structure

<table>
<thead>
<tr>
<th>Year one</th>
<th>Year two</th>
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</thead>
<tbody>
<tr>
<td><strong>Core modules:</strong></td>
<td><strong>Core modules:</strong></td>
</tr>
<tr>
<td>• Structural Mechanics and Engineering</td>
<td>• Intermediate Structures</td>
</tr>
<tr>
<td>• Hydraulics</td>
<td>• Hydraulics</td>
</tr>
<tr>
<td>• Geotechnics</td>
<td>• Geotechnics</td>
</tr>
<tr>
<td>• Structures and Mechanical Vibration</td>
<td>• Engineering Surveying</td>
</tr>
<tr>
<td>• Engineering Mathematics</td>
<td>• Construction Project Management</td>
</tr>
<tr>
<td></td>
<td>• Calculus and Statistical Techniques for Engineers</td>
</tr>
<tr>
<td></td>
<td>• Civil Engineering Materials</td>
</tr>
<tr>
<td></td>
<td>• Non-linear Analysis of Structures</td>
</tr>
<tr>
<td><strong>Year-long project:</strong></td>
<td><strong>Elective modules:</strong></td>
</tr>
<tr>
<td>Groups of students will develop</td>
<td>• Air Quality and Noise*</td>
</tr>
<tr>
<td>their fundamental learning from</td>
<td>• Transport Infrastructure**</td>
</tr>
<tr>
<td>lectures in the design of a</td>
<td>• Hydraulics lab</td>
</tr>
<tr>
<td>bridge, building or transport</td>
<td></td>
</tr>
<tr>
<td>infrastructure. This will</td>
<td></td>
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<tr>
<td>include stages from</td>
<td></td>
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<tr>
<td>conceptual design to</td>
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<tr>
<td>construction planning and</td>
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</tr>
<tr>
<td>introduce building information</td>
<td></td>
</tr>
<tr>
<td>modelling and computer aided</td>
<td></td>
</tr>
<tr>
<td>design, surveying and</td>
<td></td>
</tr>
<tr>
<td>project management. The project</td>
<td></td>
</tr>
<tr>
<td>will be supplemented by elective</td>
<td></td>
</tr>
<tr>
<td>workshops on the themes of;</td>
<td></td>
</tr>
<tr>
<td>drawing and communication;</td>
<td></td>
</tr>
<tr>
<td>computational tools and</td>
<td></td>
</tr>
<tr>
<td>engineering management.</td>
<td></td>
</tr>
<tr>
<td><strong>Surveying field course:</strong></td>
<td></td>
</tr>
<tr>
<td>Students work on group exercises</td>
<td><strong>Steel Design Project:</strong></td>
</tr>
<tr>
<td>in surveying, mapping and setting</td>
<td>Students are introduced to the civil engineering</td>
</tr>
<tr>
<td>out. This is a six day residential</td>
<td>design process by a year-long project that follows</td>
</tr>
<tr>
<td>course during the Easter</td>
<td>a civil engineering scheme from initial concepts through</td>
</tr>
<tr>
<td>holidays.</td>
<td>to detailed design. Students work individually</td>
</tr>
<tr>
<td></td>
<td>and in groups to produce a design portfolio that</td>
</tr>
<tr>
<td></td>
<td>includes outline solutions, project appraisal, loading</td>
</tr>
<tr>
<td></td>
<td>calculations and engineering drawings. The project</td>
</tr>
<tr>
<td></td>
<td>provides students with opportunities to develop their</td>
</tr>
<tr>
<td></td>
<td>written and oral presentation skills.</td>
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<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>* Compulsory in H294.</td>
<td></td>
</tr>
<tr>
<td>** Not available to H294 students.</td>
<td></td>
</tr>
</tbody>
</table>

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<table>
<thead>
<tr>
<th>Year three</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Core modules:</strong></td>
</tr>
<tr>
<td>• Reinforced Concrete Design</td>
</tr>
<tr>
<td>• Hydraulics</td>
</tr>
<tr>
<td>• Geotechnics</td>
</tr>
<tr>
<td>• Construction Project Management</td>
</tr>
<tr>
<td><strong>Elective modules:</strong></td>
</tr>
<tr>
<td>• Building Information Modelling</td>
</tr>
<tr>
<td>• Applied Construction Project Management</td>
</tr>
<tr>
<td>• Pavement Engineering</td>
</tr>
<tr>
<td>• Steel Structures</td>
</tr>
<tr>
<td>• Sustainable Construction*</td>
</tr>
<tr>
<td>• Environmental Geotechnology*</td>
</tr>
<tr>
<td>• Railway Engineering**</td>
</tr>
<tr>
<td>• Foundations and Earthworks</td>
</tr>
<tr>
<td>• Mathematical Models in Engineering</td>
</tr>
<tr>
<td>• Experiments in Fluid Mechanics</td>
</tr>
<tr>
<td>• Mapping for Engineering Surveying</td>
</tr>
<tr>
<td>• Mapping for Engineering Surveying Practical</td>
</tr>
<tr>
<td>• Advanced Mathematics Techniques for Engineers</td>
</tr>
<tr>
<td>• Engineering Risk Assessment</td>
</tr>
<tr>
<td><strong>Individual Investigative Project:</strong></td>
</tr>
<tr>
<td>Students choose a project in their preferred</td>
</tr>
<tr>
<td>discipline and plan a detailed investigation.</td>
</tr>
<tr>
<td>Typically projects involve lab work, field</td>
</tr>
<tr>
<td>investigations or computer modelling, and</td>
</tr>
<tr>
<td>require data collection and analysis. Once</td>
</tr>
<tr>
<td>the investigation is complete, a detailed</td>
</tr>
<tr>
<td>report is prepared.</td>
</tr>
<tr>
<td><strong>Group Design Project:</strong></td>
</tr>
<tr>
<td>Students work in groups on the design and</td>
</tr>
<tr>
<td>planning of a civil engineering project that</td>
</tr>
<tr>
<td>aims to integrate all the disciplines covered</td>
</tr>
<tr>
<td>on the course. Typical projects include: water</td>
</tr>
<tr>
<td>works, major highway schemes and retail parks.</td>
</tr>
<tr>
<td>Staff and visiting professional engineers</td>
</tr>
<tr>
<td>provide guidance.</td>
</tr>
<tr>
<td>* Compulsory in H294.</td>
</tr>
<tr>
<td>** Not available to H294 students.</td>
</tr>
</tbody>
</table>
### MEng course structure

<table>
<thead>
<tr>
<th>Year one</th>
<th>Year two</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Core modules:</strong></td>
<td><strong>Core modules:</strong></td>
</tr>
<tr>
<td>• Structural Mechanics and Engineering</td>
<td>• Intermediate Structures</td>
</tr>
<tr>
<td>• Hydraulics</td>
<td>• Hydraulics</td>
</tr>
<tr>
<td>• Geotechnics</td>
<td>• Geotechnics</td>
</tr>
<tr>
<td>• Structures and Mechanical Vibration</td>
<td>• Engineering Surveying</td>
</tr>
<tr>
<td>• Engineering Mathematics</td>
<td>• Construction Project Management</td>
</tr>
<tr>
<td><strong>Elective modules:</strong></td>
<td><strong>Elective modules:</strong></td>
</tr>
<tr>
<td>• Air Quality and Noise*</td>
<td>• Building Information Modelling</td>
</tr>
<tr>
<td>• Transport Infrastructure**</td>
<td>• Applied Construction Project Management</td>
</tr>
<tr>
<td>• Hydraulics lab</td>
<td>• Pavement Engineering</td>
</tr>
<tr>
<td><strong>Year-long project:</strong></td>
<td><strong>Steel Design Project:</strong></td>
</tr>
<tr>
<td>Groups of students will develop their fundamental learning from lectures in the design of a bridge, building or transport infrastructure. This will include stages from conceptual design to construction planning and introduce building information modelling and computer aided design, surveying and project management.</td>
<td>Students are introduced to the civil engineering design process by a year-long project that follows a civil engineering scheme from initial concepts through to detailed design. Students work individually and in groups to produce a design portfolio that includes outline solutions, project appraisal, loading calculations and engineering drawings. The project provides students with opportunities to develop their written and oral presentation skills.</td>
</tr>
<tr>
<td><strong>Surveying field course:</strong></td>
<td><strong>Elective modules:</strong></td>
</tr>
<tr>
<td>Students work on group exercises in surveying, mapping and setting out. This is a six day residential course during the Easter holidays.</td>
<td>• Reinforced Concrete Design</td>
</tr>
<tr>
<td></td>
<td>• Hydraulics</td>
</tr>
<tr>
<td></td>
<td>• Geotechnics</td>
</tr>
<tr>
<td></td>
<td>• Construction Project Management</td>
</tr>
<tr>
<td></td>
<td><strong>Elective modules:</strong></td>
</tr>
<tr>
<td></td>
<td>• Coastal Engineering</td>
</tr>
<tr>
<td></td>
<td>• Advanced Pavement Materials</td>
</tr>
<tr>
<td></td>
<td>• Advanced Concrete Structures</td>
</tr>
<tr>
<td></td>
<td>• Earthquake Engineering and Structural Dynamics</td>
</tr>
<tr>
<td></td>
<td>• Finite Element Analysis in Structural Mechanics</td>
</tr>
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<td></td>
<td>• Critical State Soil Mechanics</td>
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<tr>
<td></td>
<td>• Geology for Civil Engineers</td>
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<tr>
<td></td>
<td>• Plates and Shells</td>
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<tr>
<td></td>
<td>• Traffic Engineering</td>
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<tr>
<td></td>
<td>• Construction Planning and Processes</td>
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<tr>
<td></td>
<td>• System Reliability Engineering</td>
</tr>
<tr>
<td></td>
<td>• Infrastructure Asset Management</td>
</tr>
<tr>
<td></td>
<td>• Wind Engineering and Energy</td>
</tr>
<tr>
<td></td>
<td>• Marine Renewable Energy</td>
</tr>
<tr>
<td></td>
<td>• Engineering and Deformation Surveying</td>
</tr>
<tr>
<td></td>
<td>• Engineering and Deformation Surveying Practical</td>
</tr>
<tr>
<td></td>
<td>• Satellite-Based Positioning</td>
</tr>
<tr>
<td></td>
<td>• Satellite-Based Positioning Practical</td>
</tr>
<tr>
<td></td>
<td>• Location Technology</td>
</tr>
<tr>
<td></td>
<td>• Location Technology Practical</td>
</tr>
<tr>
<td></td>
<td>• Mathematical Techniques for Engineers</td>
</tr>
<tr>
<td><strong>Individual Investigative Project:</strong></td>
<td><strong>Group Design Project:</strong></td>
</tr>
<tr>
<td>Students select a research project in their area of interest and are supervised by a member of staff actively researching in that area. Projects may be lab, desk or field-based and a detailed report is prepared at the end.</td>
<td>Students work in groups on the design and planning of a civil engineering project that aims to integrate all the disciplines covered on the course. Typical projects include: tall buildings, water works, major transport schemes, stadiums and retail parks. Staff and visiting professional engineers provide guidance.</td>
</tr>
</tbody>
</table>

* Compulsory in H295.
** Not available to H295 students.
**How will I study?**

The main forms of teaching you will encounter are lectures, practical sessions and project work. These are supplemented by problem-solving classes and tutorials.

For a typical week in your first year you can expect to attend about 15 hours of lectures and workshops and about five hours of other classes for computing, building information modelling (BIM) and laboratory and project sessions. For the rest of the time you are working independently, doing the necessary reading in preparation for lectures and coursework.

All students have a personal tutor. Tutorials take place initially on a weekly basis, typically in groups of four students in the first year. Tutors review your academic progress each semester and are also available to help with any personal matters. Tutorials can help to develop your communication skills, personal organisation and planning towards graduate employment.

The department also has a Learning Community Forum where student representatives from each year group take part in meetings with academic staff. Here, they are able to give their views on modules, the department and general university life.

In the final year of your course you will undertake a major individual project supervised by a member of our academic staff. The topic will reflect both your interests and those of your supervisor, who is also your tutor. You will have regular meetings with your supervisor to help achieve a successful outcome to your work. This project is a key part of your development as an independent engineer.

As you progress through the course, in addition to the engineering skills you acquire, you will learn a number of generic communication skills such as report writing, oral presentations and BIM.

Throughout the course, there are several modules that will introduce you to the construction industry and the civil engineering profession. These modules can develop your design and management capability and help you understand the employment opportunities. You can apply for our industrial sponsorship scheme, including summer placements, from the first year onwards. You can also apply to study in a foreign university and to take a year in industry which would be a bonus on your CV.

**Key Information Sets**

Key Information Sets (KIS) are comparable sets of information about full or part-time undergraduate courses and are designed to meet the information needs of prospective students. All KIS data is published on the Unistats website: [www.unistats.co.uk](http://www.unistats.co.uk)

For Nottingham’s KIS data, please see individual course entries at [www.nottingham.ac.uk/ugstudy](http://www.nottingham.ac.uk/ugstudy)
Students get a taste for construction

The Construction Practice MEng module gives Nottingham students the opportunity to plan, organise, build and manage a construction project at the National Construction College in Norfolk. The module is run by the Department of Civil Engineering with the support of Sir Robert McAlpine Ltd and the Walsh Group.

Prior to construction, students spend time in lessons preparing for the project, then during the Easter vacation they travel to Norfolk to complete two projects within one week.

Previous projects have included the construction of various types of bridges and an oil sea platform.

Students appoint a project leader and various teams. The teams must plan and organise their work considering aspects such as health and safety, waste management and the administration processes required, before executing the build.

The industrial sponsors provide valuable advice and guidance throughout the build.
How will I be assessed?

All undergraduate degree programmes in the University are modular, which means you undertake modules of study with assessment at the end of each semester.

Assessment methods
Your learning will be assessed in different ways according to the learning objectives. Most modules will be assessed using a mixture of coursework and exams with the proportion varying depending on the module. Some modules such as projects don’t have any exams and students submit reports or portfolios for assessment. In some cases you might be asked to give an assessed presentation.

An important part of learning comes through constructive feedback and you will receive written feedback on all your coursework and projects.

As well as written exams we use e-learning approaches with quizzes and tests to help you learn and some e-assessments too.

The teaching year
The teaching year is divided into two semesters. The first semester lasts for 14 weeks, with 12 weeks for teaching and revision and two weeks for exams. The second semester follows the same pattern, but there are an additional two weeks at the end to complete the assessment process, and to enable returning students to discuss their results with tutors and begin to plan the next session’s work.

Although the teaching year is divided into two semesters for organisational purposes, this is fitted into the traditional pattern of three terms: one before Christmas; one between Christmas and Easter; and one after Easter.

Your final degree classification
The highest degree classification you can get is first-class (typically for overall marks 70% or higher). Second class is split into upper second class (2:1, typically for marks between 60% and 69%) and lower-second-class (2:2, typically marks between 50% and 59%). A third class degree is awarded for marks between 40% and 49%.

On a BEng your graduating mark is made up of 30% from your second-year mark and 70% from your third-year mark.

On an MEng your graduating mark is made up of 20% from your second year, 40% from your third year and 40% from your fourth year, unless your third year is spent overseas on exchange at another university. In this case, your graduating mark is made up of 25% from your second year, 25% from your third year and 50% from your fourth year.
The University of Nottingham is a truly international university with campuses in the UK, China and Malaysia. The Faculty of Engineering seeks to emulate this philosophy by offering our students the opportunity to participate in exchange programmes all over the world. The faculty is constantly working to ensure our graduates gain an advantage when they go into the job market; we see study abroad as another way to make our graduates stand out from the crowd.

Studying abroad provides students with the unique opportunity to:

- see your academic subject from a different perspective in a new academic environment
- acquire invaluable life skills
- meet a wide variety of people and make an international network of friends
- discover new strengths and abilities, conquer new challenges and solve new problems
- gain global awareness to prepare yourself for a career abroad

The faculty participates in the following exchange schemes:

- Universitas 21 (U21)/University-wide exchange
- inter-campus exchange to China and Malaysia
- Erasmus exchange

These cover institutions from America, Australia, Canada, Germany, the Netherlands, New Zealand, Singapore and Sweden. Your choice of exchange partner will depend on your department and the course you are registered on. Eligibility for exchange schemes will also depend upon meeting academic criteria.

Inter-campus exchange

Malaysia

The University of Nottingham Malaysia Campus (UNMC) opened in September 2000 to become the first branch campus of a British university in Malaysia, and one of the first in the world. A friendly atmosphere, world-class teaching and extensive facilities make it a popular choice for Malaysian and international students, as well as exchange students from Nottingham; with more than 5,000 students from over 70 countries.

The Malaysia Campus is situated near the town of Semenyih, a 45-minute drive from the capital Kuala Lumpur. Occupying a scenic position overlooking green hills on a 101-acre site, and designed to mirror the attributes of University Park Campus in the UK, the campus is a self-contained and self-sufficient neighbourhood village in a garden environment.

China

In 2004, Nottingham was the first foreign university to establish a campus in China. The University of Nottingham Ningbo China (UNNC) offers the same high standard of teaching as the UK campuses and has internationalisation at its heart: of more than 6,000 students there are more than 300 international students from at least 55 countries.

The China Campus is situated in Ningbo, a city of over five million people situated on the east coast of China. Ningbo is less than two hours by train from Shanghai and the campus provides accommodation, sports facilities and a shopping street.

For those courses where inter-campus exchange is available, it is indicated on the course page in this brochure.

If you do decide to apply to study abroad, the University’s International Office will offer support from the application stage right through to your return to the UK, with advice on everything from immigration to possible sources of financial support. Find out more: www.nottingham.ac.uk/studyabroad
Career and employment prospects

The University of Nottingham is consistently named as one of the most targeted universities by Britain’s leading graduate employers.*

Graduate employment
In 2014, 94% of first-degree graduates in the Department of Civil Engineering who were available for employment had secured work or further study within six months of graduation.**

As a Nottingham civil engineering graduate, you will be well prepared for a wide range of prestigious employment and postgraduate study opportunities. The balanced structure of the course is such that you can consider careers in all branches of design, construction and management in the public and private sectors of the construction industry. By carefully choosing modules you can also specialise in areas such as surveying or transportation infrastructure.

To help you with your career, our department maintains links with the construction industry and the engineering profession in a number of ways, including: advisory groups; special professors; industrial fellows; careers liaison officers; alumni links; research contacts; industry and institution committee memberships and engineering advisers.

The Engineering Adviser Scheme provides all undergraduates with links to practicing engineers or similar professionals. The advisers arrange site visits and assist with projects in all years. So not only can you get the inside track on career opportunities from someone experienced, but you can also get help with your academic work. We arrange careers fairs and presentations during the year. The department also has close links with many of the top companies in the civil engineering field, for example Arup, Royal Haskoning, Laing O’Rourke, Sir Robert McAlpine and Transport for London. These links open many doors for our students and consequently help to prepare you for the world of work.

Civil engineering undergraduate industrial sponsorship scheme
Industrial Sponsorship opportunities (including summer placements) can be applied for from the first year onwards. Current industrial members are Royal Haskoning DHV, Laing O’Rourke, North Midland Construction, Sir Robert McAlpine and Taylor Woodrow. Sponsorship packs are available for collection at the annual Careers in Civil Engineering event held in the autumn, with an application deadline in December.

Salaries
The average starting salary for graduates from our undergraduate courses is £24,637**
The average basic salary of Institution of Civil Engineers (ICE) members is £49,793.***

*The Graduate Market in 2013, 2014 and 2015, High Fliers Research
**Known destinations of full-time home and EU first-degree graduates, 2013/14.
***www.prospects.ac.uk (April 2015)

The Nottingham Advantage Award
The University’s Advantage Award is a programme of activities developed to recognise and reward extracurricular responsibilities. It allows you to gain recognition for participating in a wide range of activities accredited by the University and delivered by top graduate employers, professional services and members of staff of the University. It also shows employers that you have gone above and beyond your degree and gained valuable transferrable skills. For further information, please visit www.nottingham.ac.uk/careers/advantage

The University’s Careers and Employability Service
Our Careers and Employability Service, which is based on University Park Campus, offers an extensive range of careers-oriented services, including CV-writing sessions, interview advice, presentations by major employers and general career advice. As a University of Nottingham graduate, you will receive lifelong support from the service. This means that you can ask a careers adviser to look over your job application in person, by email or Skype and you can also access a database of graduate vacancies. For more information see www.nottingham.ac.uk/careers
Charles Cook graduated from The University of Nottingham with an MEng in Civil Engineering in 2014. Since leaving the University, he has worked at CERN, the European Organization for Nuclear Research.

Charles is part of the civil engineering team at CERN, managing the feasibility study for the construction of a tunnel designed to house the next generation of particle colliders. This includes having to work closely with local engineering consultancies, Arup in the UK and various departments at CERN whose needs have an impact on the design of the tunnel.

During his time at the University, Charles took advantage of the Department of Civil Engineering undergraduate sponsorship scheme and received sponsorship from Laing O’Rourke, which included three paid work placements and support towards course fees.

He also spent a year studying at The University of Melbourne, Australia through the University Study Abroad scheme.

Charles Cook
MEng Civil Engineering (2014)

“With three years of experience and now the perspective of a graduate, I’m so glad I chose to study at Nottingham. The University of Nottingham is a respected name to employers and looks very good on your CV.

I feel as though the final year projects in particular, prepared me well for the work I have done since graduating, and rarely does something come up at work that I haven’t had at least a small amount of experience of during my course.

The money received from the undergraduate sponsorship scheme was extremely helpful but the impact the experience has had on my career has been incredible, having a sponsorship on my CV led to further funding and my experience led directly to my role at CERN.”

Charles Cook gives a presentation at CERN.
Postgraduate opportunities

The Department of Civil Engineering is one of the leading centres in the UK for teaching and research in its field. The Faculty of Engineering was ranked third in the UK for research power in the recent Research Excellence Framework.

The department offers the following taught masters courses:

- MSc Civil Engineering
- MSc Civil Engineering: Engineering Surveying
- MSc Civil Engineering: Highways and Transportation
- MSc Civil Engineering: Structural Engineering
- MSc Risk and Reliability Methods by Distance Learning
- MSc Environmental Management and Earth Observation
- MSc Engineering Surveying with Geographical Information Science
- MSc Positioning and Navigation Technologies

For further information about our postgraduate courses, please see www.nottingham.ac.uk/pgstudy/civil

For further information about our research opportunities, please see www.nottingham.ac.uk/engineering/research

Student Jack Glauser surveying on Jubilee Campus.
You've read lots about the degree programme you're interested in, now it's time to explore life outside the lecture theatre. There's so much for you to get involved in and explore at the University and around the city. We are proud to be one of the leading universities for student experience in the UK*, which will ensure that you have a university experience you'll never forget.

Your University of Nottingham – at home and around the world

We are proud of our stunning campuses and are continually investing in our grounds, buildings and amenities to ensure that you only have the best surroundings in which to live and study. Our main UK campuses have a mix of state-of-the-art facilities, including sports centres, places to eat and excellent learning facilities on every campus. We've made getting from campus to campus as easy as possible and students can benefit from our free inter-campus Hopper Bus, so you're never far away from the striking architecture and innovative technology of Jubilee Campus, the rolling parkland and period buildings at University Park, or the cutting-edge features of Sutton Bonington.

The University of Nottingham is Britain's global university with campuses in the UK, China and Malaysia. We also have links with more than 300 universities in over 40 countries, adding a truly global flavour to your degree and giving you the chance to explore the world. Find out more: www.nottingham.ac.uk/about/campuses

Your new home from home

At Nottingham we offer a range of different accommodation options, rooms are available as single or shared, en suite or shared bathroom, all the way through to studio flats, and vary from self-catered to fully catered (19 meals per week). We also offer a guarantee of University accommodation for one year to all new full-time undergraduate students, subject to the following conditions: you firmly accept your course place at Nottingham, accept your offer of accommodation by the deadline given in your offer letter, and have an unconditional status no later than 31 August in the year you intend to begin your studies. If you are a new, full-time undergraduate student who is classified as international for fee purposes, this guarantee applies for three years**. For more information, including a breakdown of pricing, see www.nottingham.ac.uk/accommodation

Your support network

Throughout your university journey there will be numerous people on hand to support you, including tutors and dedicated staff who will be able to advise you on various aspects of life as a student. We have Student Services Centres on all three of our UK campuses, which provide a range of support, information and specialist services to enhance your student experience. This support includes:

- Academic Support – can provide practical advice on areas of academic study; the service also provides specialist academic support for students with dyslexia, dyspraxia and other specific learning difficulties
- Disability Support – coordinates support and access arrangements for students with a disability or long-term medical condition

** Providing you submit your returners’ application in line with the requirements of the accommodation providers.
Financial Support – provides information on the sources of finance available from government agencies and the University itself, and gives advice about financial matters

Student Services – also advise on issues ranging from childcare, counselling and health to international student support, chaplaincy and faith support, as well as offering advice on paying your tuition and accommodation fees

Getting involved in your Students’ Union
As soon as you start at The University of Nottingham, you are automatically enrolled as a member of our Students’ Union, which is considered to be one of the best in the country. There are hundreds of activities that you could be part of, providing you with the perfect opportunity to take up a new hobby or pursue existing interests. Choose from over 200 student-run societies, covering all interests and abilities, as well as local and national volunteering projects, to which you can commit as much or as little time as you wish.

Our Students’ Union is home to a number of award-winning student-run media groups, which give you the chance to gain practical work experience both behind the scenes or centre stage as a presenter, actor or journalist. The Nottingham New Theatre, Impact magazine, Nottingham Student Television (NSTV) and University Radio Nottingham (URN) have all been recognised as the best in their field, winning a clutch of awards for outstanding achievements.

However you decide to become involved in the Union, you can be sure you will make new friends and learn new skills, all while having a lot of fun! Find out more: www.su.nottingham.ac.uk

Sports
We offer sport at all levels and an excellent all-inclusive student membership offer, so whether you enjoy sport as a hobby or are an elite athlete we will have just what you need. We have over 70 sports clubs, which means we have the 2nd highest number of sports clubs of any UK university. If you’re not interested in joining a team but want to stay fit, we have sports centres on all of our main UK campuses. Find out more: www.nottingham.ac.uk/sport

Exploring your new city
With Nottingham city centre just a 10-minute bus ride away from University Park Campus, our students are always close to the action. Buses run through campus regularly and many run late-night services too, which is handy if you’re a night owl.

For music lovers, you can take your pick from the world-famous Rock City, Capital FM Arena or one of the smaller gig venues for a more intimate live show. Nottingham is rich in performance venues, with comedy clubs and theatres catering for lovers of drama, musicals, ballet and panto. We are very proud of our sporting heritage, and with football clubs Nottingham Forest and Notts County in the city, as well as Trent Bridge cricket ground and the National Ice Centre on your doorstep, you might just become a sports fan if you’re not one already.

History and culture can be found in all corners of the city, with Nottingham Castle, Nottingham Contemporary arts centre, the Galleries of Justice Museum, Nottingham Lakeside Arts (the University’s public arts centre located on our University Park Campus), art house cinemas and three of the world’s oldest pubs all providing points of interest. If you enjoy shopping, Nottingham is perfect for you; independent boutiques and vintage shops in the bohemian area of Hockley mix with high street names in our large shopping centres to make Nottingham a veritable shopping haven.

Find out more: www.nottingham.ac.uk/nottinghamlife

Download our city guide: www.nottingham.ac.uk/go/cityguide
We are looking for students who have the ability and motivation to benefit from our courses, and who will make a valued contribution to the department and the University. Candidates for full-time admission are considered on the basis of their Universities and Colleges Admissions Service (UCAS) form. For more information on how to make your application stand out, have a look at our online prospectus: www.nottingham.ac.uk/ugstudy/applying

For tips and advice at every step of your application journey, visit our undergraduate applicants’ area: www.nottingham.ac.uk/ugapplicants

Application process
All applications for an undergraduate place to study at The University of Nottingham (including applications by overseas students) must be made through UCAS. Applications should be made online at www.ucas.com. Candidates will be notified of decisions through UCAS Track at track.ucas.com.

Applications for our courses are made under one of the UCAS codes listed in the table on page 7. There is an amount of flexibility for students to transfer to a different course within the department during the first term, depending on space available.

Entry numbers
For information on how many students the department plans to admit on each course, please see the table on page 7.

The selection procedure
Selection of those applicants to whom we will make an offer will be based upon a combination of the candidate’s academic record and an assessment of all the information provided in their UCAS application form, their academic reference and their personal statement. Studying engineering requires a combination of skills both academic and practical. These qualities are obviously related to exam performance, but we also look at the interests and experience of the candidate. (Please use the opportunity offered by the relevant section of the UCAS form.) Be as specific and detailed as possible about your interests and enthusiasms, as well as your reasons for choosing to study civil engineering.

Your personal statement
This is the section of your UCAS form that tells us most about you, and you should make the best use of it. Be as specific and detailed as you can — we would like to see that you are a student who can work hard, be self-motivating and make the best possible use of the opportunities this course will offer you.

Academic attainment
Our minimum A level requirements are detailed on page 7.

Alternative qualifications
In this brochure you will find our A level entry requirements but we accept a much broader range of qualifications.

These include:
• Access to HE Diploma
• Advanced Diploma
• BTEC HND/HNC
• BTEC Extended Diploma
• Cambridge Pre-U
• International Baccalaureate
• Irish Leaving Certificate
• Scottish Advanced Highers
• Welsh Baccalaureate Advanced Diploma

This list is not exhaustive; we will consider applicants with other qualifications on an individual basis. The entry requirements for alternative qualifications can be quite specific; for example you may need to take certain modules and achieve a specified grade in those modules. Please contact us to discuss the transferability of your qualification.

Required subjects
All courses: Maths A level or 6 at Higher Level (IB) and A level or 6 at Higher Level, from physics, chemistry, biology, design and technology, geography, geology, computing or further maths. General studies, critical thinking and citizenship studies are not accepted.
Flexible admissions policy
In recognition of our applicants’ varied experience and educational pathways, we employ a flexible admissions policy. If we judge that your situation has adversely affected your achievement, then we will consider this when assessing your academic potential. If you wish to mention information about your experiences in your personal statement, then you should ask the teacher or tutor writing your reference to confirm what you have written. We may ask for further evidence and may consider a range of factors. For more information, please see www.nottingham.ac.uk/go/admissionspolicies

Mature applicants
We encourage applications from mature students (which means all those aged 21 or over when the course begins). You should apply in the normal way through UCAS. While we accept a range of qualifications, you should check our specific requirements on UCAS course entry profiles. If in doubt, please contact the admissions tutor, who will be happy to answer any specific queries you have about applying as a mature student. Please email your questions to eng-student-support@nottingham.ac.uk.

For more information about being a mature student, please see www.nottingham.ac.uk/mature

International applicants
We welcome applications from international students and have students from many parts of the world studying with us at undergraduate and postgraduate level. All international candidates for undergraduate courses should apply through UCAS. The University’s International Office offers guidance and advice on matters such as visa and immigration regulations, working and living in the UK, entry requirements and preparing for coming to Nottingham – and arranges a Welcome Programme for new international students each September. If you would like to visit the University and are unable to attend an open day, the International Office will be happy to arrange an individual visit for you. For further information please visit www.nottingham.ac.uk/studywithus/international-applicants

English language requirements
IELTS 6.0 (no less than 5.5 in each element).
For more information and a list of the alternative English language requirements we accept, please see www.nottingham.ac.uk/go/alternativerequirements

Preparing to study in English – academic English preparation and support
The University of Nottingham Centre for English Language Education (CELE) offers high quality academic English and study skills (presessional) programmes to prepare you to study your degree in English. Our programmes are designed to give international students excellent preparation for their academic studies and are taught by experienced, professional tutors.

CELE provides a range of programmes throughout the year, including five-week subject-specific courses (in some subjects) and a four-week course in September for students with unconditional offers, with a focus on academic study skills.

You can continue to benefit from academic English support with free classes and one-to-one consultations throughout your study (insessional programmes).

For more information about CELE, please visit www.nottingham.ac.uk/cele

Deferred entry
Applicants who wish to defer their entry by a year will not be at a disadvantage. Please tell us something about your plans for your gap year in your UCAS personal statement.

Equal opportunities policy
The University aims to create the conditions whereby students and staff are treated solely on the basis of their merits, abilities and potential, regardless of gender, race, colour, nationality, ethnic or national origin, age, socio-economic background, disability, religious or political beliefs, trade union membership, family circumstances, sexual orientation or other irrelevant distinction.

Students Gina Amuchi and Chun Yin Lau examining soil samples in the Geotechnical Teaching lab.
Can I take a year in industry?
We encourage our students to apply to take industrial placements during vacations and we run an industrial sponsorship scheme which is open to students in all years. Placements with successful outcomes are normally rewarded with sponsorship for the subsequent academic year. Full details of the scheme are available for all students at the first Careers in Civil Engineering event in November of each year. Students are also able to spend a year working in industry. The faculty has a dedicated Industrial Placement Team who help and advise students during the application process.

How much practical work will I do?
Practical work is an integral part of the course and includes laboratory, field work and industrial visits. We use labs to develop analytical, problem-solving and team-working skills. The amount of practical work undertaken is high in the first year: typically 20% of the course.

What staff support is available during the course?
The department runs an academic tutorial system. First-year students initially see their tutor on a weekly basis. In later years, tutors advise on module/course choices and career options. Personal tutors are also assigned to act in a pastoral role if necessary.

I haven’t studied the correct subjects – is there any way I can do engineering?
If you have not studied the required subjects (see page 33) at A level you could consider applying for the Engineering Foundation Year Programme. For more details, please see www.nottingham.ac.uk/foundationyear

Can I switch between courses?
You will be able to switch between BEng and MEng courses at the end of year two. You will need an overall average of 55% at the end of year two in order to qualify for the MEng.

How much are the fees?
Like many universities in England, Nottingham charges full-time UK and EU students an annual tuition fee of £9,000. However, you will not have to pay your fees while studying – the government will lend eligible students the money, which you will start to pay back once you have left university and are earning at least £21,000. For more information, please see www.nottingham.ac.uk/fees

What bursaries are available?
Although bursary figures for 2016/17 are yet to be finalised, the University will continue to offer a generous package of bursary support to students from lower income households. These are in addition to any support you may receive from the government. For more information please see www.nottingham.ac.uk/financialsupport or take a look at the funding tab on the relevant course entry in our online prospectus: www.nottingham.ac.uk/ugstudy

If you are an international applicant (outside of the EU), please see the ‘New international students’ section on www.nottingham.ac.uk/fees

What support do you offer for students with a disability or dyslexia?
We are committed to promoting access for students who have a disability, dyslexia or a long-term medical condition. Services provided by the University aim to enable students to fulfil the inherent requirements of the course as independently as possible. The University’s Disability Statement, which lists services, facilities and opportunities available throughout the University can be viewed at www.nottingham.ac.uk/disability

What support is available for students with children?
There are a range of services provided to support students with children, including a University day nursery, a play scheme and play centre day care. There is also a scheme to help students fund childcare. For more information, see www.nottingham.ac.uk/child-care

Visit our website for more frequently asked questions: www.nottingham.ac.uk/civil

To ask course-specific questions contact: eng-student-support@nottingham.ac.uk
Visiting and contacting us

Open days
If you’re considering applying to The University of Nottingham we recommend that you try to attend one of the University-wide open days, which are held in June and September each year and attract around 30,000 visitors.
www.nottingham.ac.uk/opendays

Mini open days
Mini open days are much smaller than the main open days but offer the same opportunities to attend various talks and tours as well as speak to current students and academics. Find out more www.nottingham.ac.uk/go/miniopendays or call +44 (0)115 951 5559.

UCAS visit days
Once you’ve been offered a place at Nottingham, you will be invited to attend a UCAS visit day, which is an opportunity for you to visit the department and to find out more about your chosen course. You will also be given a short tour of the campus by current students.

Virtual open day
If you can’t attend one of our open days in person, or would like to explore our campuses before visiting, take a look at our virtual open day: www.nottingham.ac.uk/virtualnottingham

Other visits
If you wish to make an informal visit to the University prior to applying here, you are welcome to do so, but you should contact us in advance if you wish to visit the department or speak to an admissions tutor, and we will do our best to oblige.

Contacting us
For further information please contact:
Engineering Student Support Team
Engineering and Science Learning Centre
University Park
Nottingham, NG7 2RD
t: +44 (0) 115 951 3134
e: eng-student-support@nottingham.ac.uk
w: www.nottingham.ac.uk/civil

For international student enquiries, please contact:
The International Office
t: +44 (0)115 951 5247
t: +44 (0)115 951 5155
e: international-office@nottingham.ac.uk
w: www.nottingham.ac.uk/international

You can also connect with fellow applicants and current students on our applicants’ Facebook and Twitter pages:

UoNApplicants
@UoNApplicants

The University of Nottingham has made every effort to ensure that the information in this brochure was accurate when published. Please note, however, that the nature of the content means that it is subject to change from time to time, and you should therefore consider the information to be guiding rather than definitive. You should check the University’s website for any updates before you decide to accept a place on a course.

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Science and Engineering

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The world needs scientists and engineers. But not just any scientists or engineers. It needs people who will transform their love of the subject into life-changing inventions and discoveries. If you have the enthusiasm, we have the lecturers to fire it.

Find out more:
www.nottingham.ac.uk/studywhatyoulove