Welcome to the Department of Civil Engineering

From developing sustainable buildings to improving transport infrastructures - being a civil engineer means that you can help shape the world and see how your work improves people's lives.

If you think you're up to the challenge, civil engineering can provide you with an exciting and rewarding career. A civil engineering degree is a highly skilled and varied degree and a passport to any analytical career.

Our University has an outstanding reputation for high-quality teaching and research and our excellent links with industry ensure our graduates are highly sought after by top employers.

Our dedicated staff are easily accessible and provide a rich, stimulating learning experience. Whatever your ambitions, our aim is to help you achieve them here at Nottingham.

This brochure gives you an introduction to our courses and the fantastic opportunities that lie ahead for you. If you have any questions, please do not hesitate to get in touch.

We look forward to welcoming you soon.

Professor Glenn McDowell DSc
Head of Department of Civil Engineering

To find out where a degree in civil engineering could take you, please visit nottingham.ac.uk/civil
Studying civil engineering at Nottingham

A degree in civil engineering from Nottingham demonstrates that you can think critically, solve complex problems and work effectively. Our strong ties with industry mean our students enjoy work experience and career progression throughout the course and beyond.

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 a UK university and a strong floor facility for major structural testing.

Accreditation
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 (UKSPEC). 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 degrees are currently accredited by the Joint Board of Moderators (JBM) under licence from the UK regulator, the Engineering Council incorporating:
- The Institution of Civil Engineers
- The Institution of Structural Engineers
- The Chartered Institution of Highways and Transportation
- The Institute of Highway Incorporated Engineers

We are the only department in the UK whose civil engineering degree (MEng) is also accredited by the Royal Institution of Chartered Surveyors, if students choose appropriate elective modules.

Engineering Adviser Scheme
We work with a network of local practicing engineering advisers throughout our undergraduate degree programmes who arrange site visits and provide helpful advice. This gives you a professional perspective on much of your project work, which is a central theme of our courses.

To find out where a degree in civil engineering could take you, please visit nottingham.ac.uk/civil

Our courses

<table>
<thead>
<tr>
<th>Degree title</th>
<th>UCAS code</th>
<th>Duration</th>
<th>A levels</th>
<th>IB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single honours</td>
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<tr>
<td>BEng Civil Engineering</td>
<td>H201</td>
<td>3 years</td>
<td>AAB</td>
<td>36-34</td>
</tr>
<tr>
<td>BEng Civil Engineering including an Industrial Year</td>
<td>H20A</td>
<td>4 years</td>
<td>AAB</td>
<td>36-34</td>
</tr>
<tr>
<td>MEng Civil Engineering</td>
<td>H200</td>
<td>4 years</td>
<td>AAA</td>
<td>36</td>
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<tr>
<td>MEng Civil Engineering including an Industrial Year</td>
<td>H20B</td>
<td>5 years</td>
<td>AAA</td>
<td>36</td>
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</table>

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. A pass is required in science practical tests, if assessed separately. General studies, critical thinking, citizenship studies, global perspectives and research, thinking skills are not accepted.

An A level in quantitative methods is not acceptable in lieu of maths requirements.

A foundation year is available for those with BBB grades but not in the required subjects.

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

Developing your academic English and study skills
The Centre for English Language Education (CELE) offers you the opportunity to develop your English language skills at one of the world’s top universities. Accredited by the British Council for the teaching of English, CELE provides high-quality teaching, facilities and support. Our presessional courses take your English language and academic skills to the level you need to progress to undergraduate study without taking IELTS again. Find out more at nottingham.ac.uk/cele
BEng | MEng Civil Engineering

Our courses will help you meet the educational requirements needed on your journey to becoming a chartered civil, structural or highway engineer.

Applicants to the MEng courses will usually be made a dual offer of AAA for MEng and AAB for BEng. This means you’ll receive two offers for one UCAS application and a place in the department even if you narrowly miss the AAA requirement. Students performing well on the BEng course have the option to transfer to the MEng course.

The BEng degree is a three-year programme and students following this route will need 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.

Our 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 skills in later years.

Year one
In your first year you will be introduced to the core disciplines and the context of civil engineering and engineering design project work. Professional skills are explored in workshops. There is also a residential surveying field course.

Year two
Your core subjects will be developed in greater depth alongside further workshops and a structural design project to help you see the application of your studies.

Year three
Core subjects continue alongside a range of optional modules including individual investigative project and major group design project.

Year four
Choice of a wide range of optional modules; major group design project and individual investigative project.

Optional 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.

Accreditation
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. For further information see jmb.org.uk

Modules may change, for example due to curriculum developments. The above list is a sample of typical modules that we offer, not a definitive list. The most up to date information can be found on our website at nottingham.ac.uk/ugstudy

For more detailed course content visit nottingham.ac.uk/ugstudy/civil
A year in industry is a fantastic opportunity for you to practise and develop your engineering skills, providing valuable professional experience, which is a key step to Chartered Engineer status. A year in industry is usually undertaken in your penultimate year of study.

Benefits
A year in industry will not only give a significant boost to your academic prospects but is a great way into the job market after graduation.

Features
Industrial placements are usually undertaken in the UK, but can be with companies anywhere in the world from major global organisations to smaller consultancies and technology specialists.

Support
Our dedicated Industrial Placement Team works closely with our Careers and Employability Service to support you in finding the right placement. Companies visit the University from September to March to recruit students for industrial placements.

Our degrees with an industrial year are very popular and securing a year in industry placement is a highly competitive process. You are responsible for submitting your own applications, which may include attendance at interviews and assessment centres. We expect you to commit additional time over and above your academic studies to this process.

Modules may change, for example due to curriculum developments. The above list is a sample of typical modules that we offer, not a definitive list. The most up-to-date information can be found on our website at nottingham.ac.uk/ugstudy
The Construction Practice module or ‘Constructionarium’, gives students the opportunity to plan, organise, build and manage a construction project at the National Construction College in Norfolk. The module is run with the support of Sir Robert McAlpine Ltd and Walsh.

Prior to construction, you’ll spend time in lessons preparing for the project, then during the Easter vacation you 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.

You’ll 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.

For more detailed course content visit nottingham.ac.uk/ugstudy/civil
Engaging study, incredible results

Students are taught through a combination of lectures, practical sessions and project work.

Teaching
The main forms of teaching are lectures, practical sessions and project work. These are supplemented by problem-solving classes, workshops and tutorials. For a typical week in your first year, you can expect to attend 15 hours of lectures and workshops and approximately five hours of other classes for Computer Aided Design (CAD), building information modelling (BIM) and laboratory and project sessions. During your final year, you will undertake a major project which reflects your interests and those of your supervisor. This project is key to your development as an independent engineer.

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

Assessment
All undergraduate degree programmes in the University are modular, which means you undertake modules of study with assessment at the end of each semester, with most modules assessed using a mixture of coursework and exams. Some modules such as projects don’t have any exams and students submit reports, portfolios or in some cases presentation for assessment. As well as written exams, we use eAssessments and eLearning approaches including quizzes and tests.

On a BEng course, your graduating mark is made up of 33% from your second year and 67% from your third year. If your third year is an industrial placement, your graduating mark is made up of 33% from your second year and 67% from your fourth year. On an MEng course, your graduating mark is made up of 20% from your second year, 40% from your third year and 40% from your fourth year. If your fourth year is an industrial placement, your graduating mark is made up of 20% from your second year, 40% from your third year and 40% from your fifth year.

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: unistats.co.uk

For Nottingham’s KIS data, please see individual course details at nottingham.ac.uk/ugstudy

A typical first year undergraduate timetable

<table>
<thead>
<tr>
<th>Monday</th>
<th>9-10am</th>
<th>10-11am</th>
<th>11am-12pm</th>
<th>1-2pm</th>
<th>2-3pm</th>
<th>3-4pm</th>
<th>4-5pm</th>
<th>5-6pm</th>
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<tbody>
<tr>
<td>Optional workshop</td>
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<tr>
<td>Lecture: Structural Analysis</td>
<td>Tutorial/ example class</td>
<td>Practical sessions/group project/private study</td>
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<tr>
<td>Tuesday</td>
<td>Lecture: Structural Analysis</td>
<td>Tutorial/ example class</td>
<td>Practical sessions/group project/private study</td>
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<tr>
<td>Lecture: Hydraulics 1</td>
<td>Tutorial/ example class</td>
<td>Free time for participation in sports, clubs and societies</td>
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<tr>
<td>Wednesday</td>
<td>Lecture: Mathematical methods for civil engineering</td>
<td>Tutorial/ example class</td>
<td>Practical sessions/group project/private study</td>
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<tr>
<td>Thursday</td>
<td>Lecture: Mathematical methods for civil engineering</td>
<td>Tutorial/ example class</td>
<td>Practical sessions/group project/private study</td>
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<tr>
<td>Friday</td>
<td>Optional workshop</td>
<td>Optional workshop</td>
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</tbody>
</table>

For more information about studying civil engineering visit nottingham.ac.uk/ugstudy/civil
How to apply

All applications for an undergraduate place to study at the University of Nottingham, including applications by international students, must be made through the Universities and Colleges Admissions Service (UCAS).

Applications should be made online at ucas.com and candidates will be notified of decisions through UCAS using UCAS Track.

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-motivated and make the best possible use of the opportunities that our courses offer you. We would also like to hear about any skills you have gained through extracurricular activities.

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 is not a full list as we will consider applicants with other qualifications on an individual basis. Please contact us to discuss the suitability of your qualification.

Flexible admissions policy
We recognise that some educational and personal circumstances affect achievement. If we judge that you have experienced circumstances that have adversely affected your achievement, we will consider them when assessing your academic potential. Some courses may vary the offer as a result. For the most up to date information about our offers, please see the entry requirements section of our course pages on our online prospectus. For more information about this policy, please see nottingham.ac.uk/ugstudy/applying

International applicants
The University provides a range of information and advice for international applicants. If you are unable to attend an open day, we can meet you in your country at one of our overseas events or arrange an individual visit to the University. For further information please visit nottingham.ac.uk/go/international-applicants

Mature applicants
We encourage applications from mature applicants who may have a significant gap in education. You should apply in the normal way through UCAS. More information for mature students can be found at nottingham.ac.uk/mature

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.

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.

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Over one-third of our UK students receive our means-tested core bursary, worth up to £2,000 a year. For details, see nottingham.ac.uk/financialsupport

To find out how to apply please visit nottingham.ac.uk/ugstudy/applying
World class for employability

As a Nottingham civil engineering graduate, you will be well prepared for a wide range of employment. The balanced structure of the course means you can consider careers in all branches of design, construction and management in the public and private sectors of the construction industry.

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

94% of first-degree graduates in the department who were available for employment had secured work or further study within six months of graduation.*

The links with industry were a deciding factor for me when choosing my course. The course is highly rated by employers, including Sir Robert McAlpine who I was sponsored by. I was able to incorporate summer placements into my university work and after doing a project module in my third year, I was able to collect data and conduct investigations during my summer placement at a Sir Robert McAlpine site in London. My project has since been used as a resource within the company. I would recommend the course at Nottingham to anyone!

Lucy Scott, Engineer at Sir Robert McAlpine Ltd, MEng Civil Engineering

Careers and Employability Service

Our Careers and Employability Service has a team dedicated to Faculty of Engineering students. They will be on hand to offer you specialist support and guidance throughout your degree and for life after you graduate. Whether you need help writing a CV, preparing for an interview or exploring career ideas, you can book one-to-one appointments or come along to a workshop. Each term there is also an exciting events schedule, bringing you face-to-face with employers offering real-life insight into their professions.

Find out more about the Careers and Employability Service nottingham.ac.uk/careers

Find out where Nottingham could take you and network with our graduates on LinkedIn.

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The Nottingham Advantage Award

The award-winning Nottingham Advantage Award recognises and rewards your extracurricular activities. With a choice of over 200 modules, you can hone the key skills employers want. From developing your leadership skills and learning a language to public speaking and volunteering, you will leave university with demonstrable experience that sets you apart from other graduates.

For further information, please visit nottingham.ac.uk/careers/advantage

*Known destinations of full-time home and EU first-degree graduates, 2014/15
**www.prospectus.ac.uk (April 2016)
Experience it in a world beyond ordinary

There’s so much for you to get involved in and explore at the University and around the city. Whether you’re interested in sports, learning a language or just having fun with friends alongside studying, you’ll be spoilt for choice.

Your opportunity to study abroad

We offer a range of study abroad opportunities with many students having the option to live and study in another country as part of their university career. Studying or working abroad is a fantastic opportunity to broaden your horizons, experience different cultures, and develop the key skills that employers are looking for. Find out more: nottingham.ac.uk/studywithus/studyabroad

Getting involved in your Students’ Union

University of Nottingham Students’ Union (UoNSU) is a brilliant, diverse community, and whether you are an undergraduate or postgraduate, first-year or final-year student, you are a part of it. With 300+ student-led groups, clubs and societies, hundreds of volunteering opportunities and support for every stage of your university journey, your Students’ Union offers something for everyone. Find out more: su.nottingham.ac.uk

Sports

The University of Nottingham is one of the UK’s leading universities for sport and is currently ranked 4th in the university sport rankings*. We have one of the biggest portfolios of sports facilities in the country including the brand new £40m David Ross Sports Village. We also have a rich heritage of supporting Olympic medallists and we have more than 70 student sports clubs to choose from. Find out more: nottingham.ac.uk/sport

*British Universities and Colleges Sport Standings, 2015-16.

Your support network

Throughout your university journey there will be numerous people on hand to support and advise you, including tutors and dedicated staff. We have Student Service Centres on all three of our UK campuses, which provide a range of support, information and specialist services. Find out more: nottingham.ac.uk/studentservices

Learning a language

The University’s Language Centre gives you the opportunity to study a language alongside your course. All languages are offered from beginners’ level with some going up to near native competency. There are nine languages to choose from: Modern Standard Arabic, Dutch, French, German, Italian, Japanese, Mandarin Chinese, Russian, and Spanish. Find out more: nottingham.ac.uk/language-centre

Music

All student musicians at the University of Nottingham are encouraged to get involved with the vibrant musical life on campus. Find out more: nottingham.ac.uk/music/performance

Your new home from home

At Nottingham we offer a wide range of room types across the campuses in both catered and self-catered accommodation. From standard single rooms with shared bathrooms to large en-suite studios and flats, there’s something to suit every budget and personal choice. For current pricing and to review all accommodation options please visit nottingham.ac.uk/accommodation

Exploring your new city

Nottingham city centre is around a 10-minute bus ride away from University Park Campus, so you’re always close to the action. There are plenty of music venues, from the world-famous Rock City to the Motorpoint Arena or one of the smaller gig venues for a more intimate live show. If you enjoy shopping, there are independent boutiques and vintage shops as well as high street names in our large shopping centres. Nottingham is also a hotspot for dining, with a great choice of cuisines on offer. Find out more: nottingham.ac.uk/nottinghamlife
For undergraduate enquiries contact:
Student Recruitment Enquiries Centre
nottingham.ac.uk/civil

nottingham.ac.uk/enquire
NottinghamEngineering
@UoNEngineering

This brochure has been drafted in advance of the academic year to which it applies. Every effort has been made to ensure that the information contained in this brochure is accurate at the time of publishing, but changes (for example to course content) are likely to occur given the interval between publication and commencement of the course. It is therefore very important to check our website for any updates before you apply for the course by following nottingham.ac.uk/ugstudy. Where there is a difference between the contents of this brochure and our website, the contents of the website take precedence.