CIVIL ENGINEERING
Welcome

I am delighted that you are considering studying for your degree with us. At Birmingham we have a proud heritage of teaching and research in civil engineering that dates back to 1875 when the subject was first taught within Mason College. This was subsequently incorporated when the University formed in 1900.

To many, civil engineering is all about construction. To my colleagues here at Birmingham, it is so much more than that. It is true that civil engineering provides the infrastructure that enables us all to perform our everyday activities. However, civil engineers are responsible for providing reliable energy and internet to our homes and industries; they ensure that we have safe water and sanitation systems; they build and maintain our transportation systems, whether that be road, rail, maritime or air. Put simply, civil engineers make our modern lives possible.

Civil engineering can provide a dynamic, exciting and highly rewarding career and I believe that this is reflected in the degrees we offer here at Birmingham.

In the words of the Institution of Civil Engineers, ‘Civil engineering is all about helping people and shaping the world’ – are you ready to help shape the world? If so, read on to learn about the opportunities that are available to you in the Department of Civil Engineering at the University of Birmingham.

Best wishes,
Professor Nigel Cassidy
Professor of Geotechnical Infrastructure Engineering,
Head of Department of Civil Engineering

INTERDISCIPLINARY WORKING

Civil engineering is one of three discrete Departments within the School of Engineering; the other two being the Department of Electronic, Electrical and Systems Engineering and the Department of Mechanical Engineering. Within this structure, we are able to teach our students the core knowledge and skills required to be a civil engineer, whilst at the same time recognising that engineering is undertaken in a multidisciplinary manner. Working closely with our fellow Departments enables us to provide you with an unrivalled insight into interdisciplinary activities throughout your time with us, enhancing your employability and value to employers from the moment you graduate.

FACILITIES

The University is a vibrant place to study and work, and we have recently seen some major investments across the campus, including a new library and sports centre. Within the Department, we are benefitting from a very recent £40 million investment in a collaborative teaching laboratory for our engineering schools that will transform the way in which our staff can provide you with hands-on experience in real life engineering problems. We are also the home to the UK’s new £27 million National Buried Infrastructure Facility – a unique research and teaching laboratory.

TEACHING AND RESEARCH

We have world-leading academics based within the Department, meaning that we are able to offer expert and excellent teaching in all key disciplines, such as concrete and structural engineering, ground engineering, geotechnics, highways and water engineering, as well as hosting centres of excellence in rail engineering and in sustainability and resilience in the built environment. We are also the only university department to host two part-time professors from industry via the prestigious Royal Academy of Engineering Visiting Professor scheme.
INDUSTRIAL LINKS

We are acutely aware that civil engineering is a vocation, and so our links with industry are amongst the strongest in the country, meaning that you will be exposed to industry practice from day one of your degree and we offer you the choice of several different options to embed industrial experience within your degree at various stages.

It is innovative approaches such as this, coupled with our strong and well-established links with industry, that have led us to have an exemplary track record of employability – this currently stands at 100%.

Why Study Civil Engineering at Birmingham?
See www.birmingham.ac.uk/civil-engineering/about for the top ten reasons
About Civil Engineering

Do you want to work tackling the social, environmental and economic issues facing our societies now and in the future? Are you interested in designing the next generation living and working spaces? Do you enjoy finding innovative solutions using a mixture of creativity and technical knowledge? Did you know that civil engineers key to achieve all of this and more?

There is not much that you do in your life that does not involve civil engineering in some way. Buildings, bridges, roads, railways, tunnels, ports, underground structures, water supply and treatment networks, modern hospitals – and in fact any large civic structure that enables us to live and operate safely and comfortably – all fall under the remit of the civil engineer.

As a civil engineer you might design a new stadium, work on a local road network or railway line, assess a damaged structure, provide immediate and safe drinking water to a refugee camp, or manage a multi-million-pound construction project. You could use your skills and knowledge to build and maintain flood barriers and coastal defences, or look after our rivers, streams and canal networks.

At Birmingham you will be taught by staff who are experts in the disciplines that underpin all these aspects of civil engineering, including structural, geotechnical, wind, water and transport engineering. Our internationally recognised and multidisciplinary research feeds into your degree, and our emphasis on innovative thinking challenges you to envisage the future of civil engineering.

Our courses are designed to give you as many opportunities as possible to tackle problems by applying taught materials in design exercises. These interdisciplinary design projects thread through our degree programmes, increasing in complexity as the course continues.

You will benefit from our excellent links with industry to gain real-world experience during your study, and to prepare you for entering the workplace as a graduate. Wherever your career takes you, you will be part of the next generation of professional engineers, solving problems affecting our lives today and using your expertise to plan for the future.

‘Civil engineers are creative people who solve problems. They come up with lots of ideas and then turn them into real things for people around the world to use.’

Institute of Civil Engineers (ICE)

‘I have been at my company since I did work experience in sixth form and worked my way up to student engineer. I’ve been lucky enough to work on some large local projects and it always makes me smile when I walk past them and can say “I designed that bit”! I’ve been able to transfer the skills learnt in the classroom to real life projects and this summer, I start as a graduate structural engineer with the same company and honestly cannot wait!’

BECKY DREW, MEng Civil Engineering
Civil Engineering

You will benefit from research-led teaching and have the opportunity to work in research laboratories for your projects.

Accreditation

All our BEng and MEng programmes offered for 2018 entry are accredited by the Institution of Civil Engineers, the Institution of Structural Engineers, the Chartered Institution of Highways and Transportation, and the Institute of Highway Engineers and are compatible with the latest guidelines for professional engineering registration:

- BEng degrees are accredited as fully satisfying the educational base for an Incorporated Engineering (IEng).
- MEng degrees are accredited as fully satisfying the educational base for a Chartered Engineering (CEng). They are also recognised by the European Federation of National Engineering Associations (FEANI).

‘The Collaborative Teaching Laboratory supports the early years of the course by providing a flexible learning space. As a first year you’ll be doing practical experiments in a facility that reflects industry expectations of interdisciplinary working.’

SARAH JACKSON, MEng Civil Engineering
Where will your degree take you?

As a student at Birmingham you will benefit from our excellent relations across all areas of the civil engineering industry. These will help enrich and enhance your learning, and prepare you for the best possible start when you graduate. Opportunities include:

- Mentoring with a recent graduate or industry leader (second year)
- Site visits to get involved in real projects around Birmingham
- Engineering-specific careers events
- Work experience through your degree programme and/or our RESPECT scheme
- Benefitting from our extensive industry connections with help finding placements
- Extracurricular lectures delivered by industry professionals
- Access to our award-winning Careers Network team

We offer two types of accredited industrial experience, both of which count towards your degree. You will gain valuable experience working on real-world problems whilst developing your personal and professional skills in the workplace. Many students who engage with industrial experience during their study find their academic learning becomes more meaningful, and they tend to perform better as a result.

Industrial Year
Adding an extra year to your degree, you can spend a year working with an organisation, before returning to the University to resume your study. You can add an industrial year to any of our BEng and most of our MEng programmes.

Industrial Experience
Your degree remains the same length and you instead have your work experience formally recognised over two summer placements.

‘When looking at graduates it is highly important that they are engaged and connected with the working environment and are, for example, aware of the tools that are applied as part of their chosen profession.

‘The University of Birmingham prepares its students with practical hands-on sessions bridging the gulf between academia and industry very well, which in turn is very helpful to the individual candidate.’

JOHNNY OJEIL, Director, Arup

LEARN MORE
Find out more from profiles and videos from our graduates, talking about why they chose to study at the University of Birmingham and how the degree programme prepared them for life post-graduation.
Visit www.birmingham.ac.uk/eps-alumni-profiles
Interested in postgraduate study after your degree?
You can find details of our taught and research programmes at www.birmingham.ac.uk/pg-civil-engineering

FACT

JESSICA MARSH
MEng Civil Engineering with Industrial Experience, 2013

Following my graduation from the University I have gone on to work for Amey as an Assistant Structural Engineer. My degree gave me the necessary qualifications and grounding in engineering principles, and I have learned a lot through my work experience. I would recommend the Industrial Experience module to all students as it was fundamental to the start of my career, and the networking opportunities it created were invaluable. I was awarded the Institute of Civil Engineers Emerging Engineer of the Year award in 2015 for my overall contribution to the industry, which makes me very proud.

Constructionarium
The Constructionarium is a hands-on experience outside of the main degree programme where Civil Engineering students learn practically to manage a project working collaboratively with others. In a six-day working field course, students construct scaled down versions of bridges, buildings, dams and civil engineering projects, and are assessed in terms of budgetary control, methodology and timely completion. Not only does this test your knowledge and competency in terms of the subject, but also your ability to manage time, work as part of a team and think creatively to solve problems.

*Destination of Leavers from Higher Education 2014/15
RESPECT

RESPECT is the Department’s Engineering Industrial Recruitment Programme which gives you the opportunity to undertake placements and possibly receive sponsorship to support your studies. Work placements are an incredibly valuable learning experience, allow you to see engineering in the workplace and prepare for employment after graduating.

The RESPECT Scheme is open to students from their first year, where you will get the chance to attend careers fairs and events, and to interact with employers who are looking for students to undertake summer or year-long placements.

The scheme will provide you with:
- Guaranteed work during your summer holidays giving you valuable industrial work experience
- Excellent networks to help secure employment after graduating
- An enhanced CV

We work with a range of organisations and some of the best names in civil engineering. Some companies look for one-off placements and others prefer to offer structured training and development via sponsorships, and the flexible nature of the scheme means that a large number of companies take part and you have the chance to explore a wide range of options to fit with your interests.

‘At Osborne we have found that the RESPECT scheme not only provides a very good stepping stone into industry for undergraduates, it also provides employers an opportunity to form long-term relationships with budding early-career engineers.’

MALCOLM ATTRILL, Engineering Manager, Osborne

If you are awarded another University or external scholarship you’re still eligible to apply to RESPECT.
Working on a student placement through RESPECT has provided me with the great opportunity to build my network with professionals and I have enjoyed being involved with real-life engineering problems. I feel this one-year work experience will put me in a strong position when applying for jobs after graduation. I would definitely recommend joining this excellent programme to all Civil Engineering students who are looking for industrial summer internships or year-long placements.

XILIN DAI,
BEng Civil Engineering with Industrial Year
Peter Brett Associates LLT in the Highway Team
Our programmes: Degrees in Civil Engineering

You can choose from a range of programmes to find the option best suited to your interests and needs. All of our programmes are accredited by the Institute of Civil Engineers, the Institution of Structural Engineers, the Chartered Institution of Highways and Transportation, and the Institute of Highway Engineers.

- BEng Civil Engineering (H200)
- MEng Civil Engineering (H201)
- BEng Civil and Railway Engineering (52H7)
- MEng Civil and Railway Engineering (581H)
- MEng Civil Engineering with Industrial Experience (H202)
- MEng Civil Engineering International Study (H203)
- BEng Engineering Foundation Year (Civil Engineering Pathway) (HFJ0)

You also have the option to add a Year in Industry to any of our programmes once you arrive at Birmingham.

Learning styles
You will experience a range of teaching and learning styles during your course that reflect the diversity of the subject and the practicality of the workplace. You will extend your technical knowledge and creativity to solve real-world problems through challenging design projects, working as part of a team and as an individual. Examples include structural work involving concrete and steel, geotechnical projects such as ‘intelligent’ tunnels, wind-loading problems and flooding of rivers. You will experience interdisciplinary working alongside other engineering branches, replicating industry expectations, whilst the mixture of labs, lectures and projects provides a balance of practical and theoretical learning.

Study tailored to you
You will gain a thorough grounding in fundamental engineering topics before specialising in an area that particularly interests you. Our courses cover areas around structural, water, geotechnical and energy engineering, and management, with many of our pathways offering optional modules allowing you to tailor your study in later years. With a shared first year and a common second year, you will have the opportunity to add on International Study or an Industrial Year after you arrive at the University.

Our staff
Our Civil Engineering staff are professional engineers dedicated to their specialist areas of engineering. When they are not teaching they can be found working with industry as advisors or research partners, for example advising governments on issues such as flooding or road management in developing countries. Our research informs our teaching, so as a student you will be exposed to the latest developments in the industry.

Engineering Foundation Year
Want to study Civil Engineering at Birmingham but don’t meet our entry requirements? You may be eligible for our engineering foundation year programme. Visit [www.birmingham.ac.uk/engineering-fy](http://www.birmingham.ac.uk/engineering-fy) for more information.
Programme organisation

Studying at university
Our programmes are organised to allow you a great deal of flexibility and the ability to tailor your programme to your areas of interest. Early years will be focused on building your core knowledge whilst you will specialise in later years, and your self-led study will increase.

When you arrive at the University you will experience a range of different teaching and learning methods that may be very different from your previous education experience. To help you with the transition to higher education, time, resources and support are allocated so that you can develop your learning abilities to the point where you can formulate your own private research and study needs.

When you start studying in the School of Engineering your first year will be shared across all disciplines, meaning you will be working with colleagues in the Departments of Mechanical, Electronic, Electrical and Systems Engineering, as well as those in Civil Engineering. This interdisciplinary working reflects industry practices and right from the very start will start building your team working and professional skills alongside your technical knowledge, key to success as an engineer of the future.

You will study a number of core engineering topics on themes such as structural, materials, water and electrical engineering. You will learn essential engineering fundamentals to develop knowledge that you will use as a foundation for later years.

Integrated Design Project (IDP)
One of the defining features of your first year of study is the Integrated Design Project, where you will work with colleagues from across the School on a project combining several areas of engineering. Right from the start we encourage collaborative and innovative working, to prepare you for joining industry after you graduate.

YEAR 1 THEMES

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Changing specialism
At the School of Engineering we offer the flexibility for you to tailor your study to your own interests, and give you the opportunity to change your engineering specialism should you wish to do so.

You may need to meet certain progression requirements to progress between areas, to add in an Industrial year or from the BEng to the MEng programmes during your study.
Programme organisation

Assessment
Each module is assessed independently and methods may include end-of-year exams, written assignments, oral and poster presentations, computer-based tests, class tests, and laboratory and project reports. The early years of your course are assessed mostly by examination whereas in later years this emphasis will shift to continuous assessment in project work. This model reflects your ability to specialise in Years 3 and 4, after undertaking thorough grounding of engineering principles at the start of your studies.

Research
Our teaching benefits from strong links with our research programmes through the range of modules available, and you will benefit from developments at the leading edge of your chosen field. Our current research supports core themes of transport, and resilience and sustainability, are clustered into four groups: Environmental Engineering, Fluid Mechanics, Structural Engineering, Transportation.

Your second year will build on the broad base of Year 1, and begin your departmental specialisation with coverage of the core fundamentals that underpin Civil Engineering. The strong design theme running through our programmes will become apparent, where detailed design work shows you how to apply the taught theory to design key components of Civil Engineering structures, continuing the theme of integrated design project working established in Year 1.

For those on the Railway pathway, you will take rail-specific modules from Year 2 onwards.

Years 3 and 4 allow you to develop further as your specialisation increases, and the course prepares you to work in any area of civil engineering. You have the option to choose some modules during the later years of the course and can also tailor your study towards your interests through individual projects.

In the later years of the course we aim to challenge your innovative, creative, technical, management and presentation skills to bring together your learning over the degree programme. In addition the core design theme is further developed continuing the theme of integrated design project working established in Years 1 and 2, broadening this out to provide experience of working on complex civil engineering projects.

All final years will also ‘go it alone’ in a supported research project where you develop an understanding of an area of civil engineering that particularly interests you. You have an individual supervisor throughout the research project and may work with their research team for additional support.

For more details of our programmes including modules visit www.birmingham.ac.uk/ug-civil-engineering
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<thead>
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<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
<th>Year 4</th>
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</thead>
<tbody>
<tr>
<td>Mechanics</td>
<td>Structural Engineering 1</td>
<td>Structural Engineering 2</td>
<td>Structural Engineering 3</td>
</tr>
<tr>
<td>Computing</td>
<td>Geotechnical Engineering 1</td>
<td>Geotechnical Engineering 2</td>
<td>Geotechnical Engineering 3</td>
</tr>
<tr>
<td>Integrated Design Project 1</td>
<td>Integrated Design Project 2</td>
<td>Integrated Design Project 3</td>
<td>Research Project</td>
</tr>
<tr>
<td>Fluids Mechanics</td>
<td>Water Engineering 1</td>
<td>Water Engineering 2 and 3</td>
<td>Options, including Financial Decision Making, Forensic Engineering, Underground Construction</td>
</tr>
<tr>
<td>Engineering Maths 1</td>
<td>Engineering Maths 2</td>
<td>Research (BEng) or Design (MEng) Project</td>
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<tr>
<td>Electrical Engineering</td>
<td>Construction Management</td>
<td>Options</td>
<td></td>
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</table>

These are current modules and all may be subject to change. For the most up-to-date module options visit [www.birmingham.ac.uk/ug-civil-engineering](http://www.birmingham.ac.uk/ug-civil-engineering)
Civil and Railway Engineering

Building on the global reputation of the Birmingham Centre for Railway Research and Education (BCRRE), you will obtain a thorough civil engineering education alongside a specific focus on the railway industry. Unique in the UK, this programme ensures that upon graduation you will have the skills and knowledge to benefit from the excellent career prospects in an industry experiencing significant growth.

The railway industry around the world is growing with more journeys than ever before being made, meaning new and improved railway lines, systems and services introduced. In the UK alone passenger numbers are expected to grow by around 50% in the next ten years. New and upgraded lines, new urban services and significant investments in maintenance all mean that civil engineers who understand railway infrastructure and railway systems are in high demand.

The Birmingham degrees in Civil and Railway Engineering are unique in the UK. They have been put together in close collaboration with the railway industry, making them immediately relevant and ensuring graduates have the knowledge, experience and capability needed. Your studies will focus on core civil engineering as well as specialised study on railway infrastructure, including railway management and a railway design project.

You can study to BEng or MEng level and add an industrial placement year to give yourself that all-important work experience. The railway theme will develop your understanding of the complex railway system which means you will be in demand by engineering companies, vehicle and communication systems manufacturers, network operators and non-engineering organisations alike.

The headquarters of HS2 construction and of the National College for High Speed Rail are based in the city of Birmingham and the Birmingham Centre for Railway Research and Education (BCRRE) is engaging strongly with these organisations to ensure it plays an integral role in the development of HS2. BCRRE is the largest university-based railway research group in Europe and will be involved in educating the engineers that will work on the HS2 rail link. Relying on our internationally-leading expertise, not only do we have a hand in the training and continuing development of the College’s teachers, we are also advising on best practice and provide access to a wide range of high-quality educational and testing facilities. BCRRE’s work is at the heart of plans to transform railways in the UK and internationally over the coming years, and our multidisciplinary team delivers world-class research and leadership within railways, as well as high-quality teaching to our students.

"I have already been able to take some of the advantages of the Civil and Railway course. The University’s reputation and good links with industry helped me secure an industrial year placement in the railway infrastructure sector, contributing towards my degree. The experience has been invaluable to me, allowing me to understand how to relate the theory from our lectures into the real world. The course is very rewarding and worthwhile, leading me to feel confident I have something to offer the railway industry of the future."

JAMES SHANLEY
MEng Civil and Railway Engineering with Industrial Year
What is CivSoc?

There are many student societies at the University and our civil engineers have set up their own: CivSoc is the society for Civil Engineering students run by Civil Engineering students. As a society we want to help bring together the different years from civil engineering by providing the members with a good time throughout the year; organising nights out, industry talks and a massive end of year summer trip. Here’s what some of them have to say:

‘My four years at UoB and being part of CivSoc have been packed with good times and unforgettable experiences. It is going to be so hard to leave. I can’t put it words the fun I’ve had at university surrounded by students all just trying to have the best time possible, whilst learning how to design structures. There is real ambition in the Department, which is so organised and dedicated to seeing me succeed, that I believe it must be one of the best around.’

HENRY APPLEBY

‘Birmingham has amazing lecturers and exciting modules. There is lots of fun with CivSoc and other societies and unforgettable moments with a bunch of new friends. Even after my first year at the University of Birmingham, it is continuing to be filled with priceless experiences that I wouldn’t change for anything. Trust me, I’m an engineer.’

AGOTA MOCKUTÉ

‘I chose to come to Birmingham because it has one of the most stunning campuses around. The size of the University and the city mean that there is never a shortage of things to do. Civil Engineering at UoB is accredited by the ICE and covers all the necessary academic criteria required to get you off to a flying start in industry, with the added bonus of good industry links supported by CivSoc’s extracurricular activities.’

JOE SOLWAY

‘I decided to come to the University of Birmingham because I preferred campus-style universities as they create a great community feel. The lecturers and staff are very friendly and CivSoc helps you socialise with other students. The University is also right next to Birmingham; a vibrant city with museums, restaurants, shows, concerts and Broad Street for great nights out!’

JO MAGUIRE

‘As Birmingham is the second largest city in the UK, this makes it easier for international students to adapt to a new environment as there are so many people from different countries. CivSoc provides a way of meeting other international students. Also, the University has good facilities, particularly for Civil Engineering students, such as the civil lab.’

CHRISTYN KWAN

CivSoc is just one of the active and successful student societies offered across the College of Engineering and Physical Sciences (EPS), and there are many more you can get involved in. For the latest information on our societies visit our EPS society pages at www.birmingham.ac.uk/eps-societies

LEARN MORE

www.birmingham.ac.uk/eps/civsoc
Life at Birmingham

Birmingham is a modern and exciting city, famous for its historic, industrial past; it is now a centre of arts and culture, commerce and entertainment with a vibrant and diverse community. At Birmingham, you will benefit from the best of both worlds; a beautiful green campus, just a few minutes away from the heart of an exciting, busy city. With our very own railway station on campus, trains take just minutes to travel into the city centre.

RETAIL THERAPY
The city centre offers a first-class retail experience; from famous brands to independent stores, Birmingham has every shop you could ever need.

AFTER DARK
As a thriving city for students and young professionals, when the sun sets, Birmingham has a vibrant nightlife and a huge selection of pubs, bars and clubs. As a student-friendly city, there are set student nights for every day of the week in Birmingham; with something for everyone.

FOOD
Digbeth Dining Club is the perfect place for foodies to try all the mouth-watering offerings of Birmingham. Check out Independent Birmingham (www.independent-birmingham.co.uk) for some Birmingham favourites and hidden gems. Birmingham is home to the famous Balti Triangle, a must-visit place for curry lovers.

ART AND CULTURE
For the culture vultures out there, Birmingham has something to suit all tastes; whether it be Old Masters, contemporary artists or performing arts. The city regularly hosts a variety of music and cultural festivals including the annual German Market.
MUSIC
Birmingham is full of different beats to suit all tastes, from large arenas and big names in music to smaller more intimate venues, where you can hear everything from new artists to old favourites.

LOCAL FAVOURITES
There is more to Birmingham than its city centre. You’ll find plenty going on just a short walk from our Edgbaston campus. A student favourite, Harborne is home to a number of bars, restaurants and cafes. Nearby Moseley and Kings Heath are buzzing with bars and live music to discover.

ACTIVE BIRMINGHAM
Stay active during your time at Birmingham by getting involved in the huge variety of opportunities on offer. There are numerous park runs, local teams including hockey, tennis and rugby. Immerse yourself in sport in one of the iconic venues including Edgbaston Cricket Ground and Villa Park stadium.

LIFE ON CAMPUS
When you step onto campus, you are immersed in our historic red-brick buildings and glorious green spaces. You’ll find our Edgbaston campus both a peaceful and vibrant place to spend your time, whether it’s studying on one of the lawns, or enjoying a drink in one of the many cafes.

NEW FACILITIES
We have recently opened a state-of-the-art library, a new student hub in our Aston Webb Building and a brand new hall of residence – Chamberlain – in the Vale Village. Find out more about some of our most recent developments and projects in the pipeline, including the Collaborative Teaching Laboratory and Green Heart.

SPORTS CENTRE
Our new sports centre opened its doors on 22 May 2017 and features an exceptional range of quality facilities for everyone from beginner to elite athlete. It will become another iconic sporting venue for the city as the 50-metre pool and arena sports hall will host national and international events.

THE GUILD
The Guild of Students represents all of the students at the University. The Guild offers support and advice to all students, delivers fantastic student nights and entertainment, and has over 150 student groups and clubs for you to choose from.

www.birmingham.ac.uk/building
How to apply

You have the flexibility to tailor the course you study to your needs and interests, and are not committed to the degree pathway at the point of entry. If you are offered the BEng programme at the point of entry there is an opportunity to transfer to the MEng programme if you meet the relevant progression requirements at the end of your second year.

How do I apply?
You will need to submit an application through UCAS to be considered for study and use the appropriate code below. Demand for places is high and we advise applicants to apply early.

www.ucas.com

Essential information
- A level Mathematics is required.
- Physics and Further Maths are not required but are advantageous.
- General Studies and Critical Thinking are not considered.
- International Baccalaureate (IB) Diploma: Our standard offer is no less than 32 points overall including Mathematics at Higher Level (HL). HL scores needed are in the table provided.
- Students who just miss the grade requirements for MEng study will be automatically considered for a place on the BEng programme.

We assess all UCAS applications individually to determine your eligibility and so qualifications under other examination systems may also be acceptable.

Deferred entry and sponsorship
We value the experience gained by students who wish to take an industrial or gap year before entering university. Students who obtain industrial sponsorship may need to defer their entry for the year. If you wish to do this, simply continue with the standard UCAS admissions procedure but write to the Undergraduate Admissions Tutor once you are sure that deferment is required. We will contact UCAS and the University administration on your behalf and make all the necessary arrangements.
A place on the following year’s course will be reserved for you, so you need take no further action.

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<tr>
<th>Programme</th>
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<th>Duration (Years)</th>
<th>Typical offer</th>
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<td>H201</td>
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<td>H200</td>
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<td>Civil and Railway Engineering MEng</td>
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<td>For further details visit <a href="http://www.birmingham.ac.uk/engineering-fy">www.birmingham.ac.uk/engineering-fy</a></td>
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Fees and funding
For comprehensive information on fees and funding, please visit www.birmingham.ac.uk/undergraduate/fees/index.aspx

Scholarships
The department offers scholarships to outstanding students to reward excellence in academic performance.

Eligible UK and EU students will be automatically considered for the First Class Scholarship worth up to £5,000 on entry. You will need to achieve A**A at A level, including A* in Maths or Further Maths. Alternative qualifications including the International Baccalaureate of 7,6,6 in suitable HL subjects, including 7 in Maths, will also be considered.

www.birmingham.ac.uk/civil-engineering-scholarships-uk-eu

If you are an international student whose fees are not wholly paid by a sponsoring body, we will automatically consider you for both the Achievement and the Excellence Scholarship based upon the grades you achieve on entry. We can consider a wide range of qualifications for the scholarships, and if you perform at first-class level during your study with us you may be able to retain the Achievement Scholarship.

www.birmingham.ac.uk/civil-scholarships-international

Visiting us
If you are made an offer you will be given the opportunity to join us on campus at an Applicant Visit Day (AVD). You will be able to visit the School and its facilities, meet current staff and students, tour our campus and learn more about studying with us. The AVD is an ideal opportunity to ask questions about the programme and student life, and will give you a clear idea of what Birmingham has to offer.

Further details of University scholarships and funding opportunities can be found on our UG Funding Database at www.birmingham.ac.uk/undergraduate/funding/index.aspx

FACT

Please contact us for further details or with any questions you may have.

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This leaflet was written several months in advance of the start of the academic year. It is intended to provide prospective students with a general picture of the programmes and courses offered by the School. Please note that not all programmes or courses are offered every year. Also, because our research is constantly exploring new areas and directions of study, some courses may be discontinued and new ones offered in their place.