

Civil and Railway Engineering MEng

Undergraduate degree course/programme Civil and Railway Engineering MEng 581H:

Civil Engineers (<http://www.birmingham.ac.uk/schools/civil-engineering/index.aspx>) play a pivotal role in shaping our future and are fundamental to all aspects of the built environment from the design and construction of iconic structures to the provision of underground services.

Within this broader field, the railway sector is increasing in significance, with many major projects underway and planned. At Birmingham, our staff and students are working on a diverse range of projects. In fluid mechanics, we investigate topics ranging from the wind effects on transportation system, to the flooding of rivers; current geotechnical engineering projects range from developing 'intelligent' tunnels to cleaning up contaminated land; and in structural engineering our students are designing a variety of iconic structures as well as investigating and implementing the sustainable construction technologies of tomorrow.

In Railway Engineering, the School plays a major role in the **Birmingham Centre for Railway Research and Education** (</research/activity/railway/index.aspx>), with research in railway infrastructure, geotechnics, aerodynamics and risk management at its core. The BEng in Civil and Railway Engineering aims to produce highly qualified graduates who will go on, through further learning, on become Chartered Civil Engineers, and with a specialism in Railway Engineering, to meet the growing demands for engineers within the railway and other sectors.

Study here and find out why the University of Birmingham was awarded The Times and The Sunday Times University of the Year 2013-14 (<http://www.birmingham.ac.uk/news/latest/2013/09/20-sep-Birmingham-announced-as-University-of-the-Year.aspx>)

Course fact file

UCAS code: 581H

Duration: 4 years

Places Available: 43 This is a new programme, so there is no data on the number of applicants. The number of applicants is for places on all Civil Engineering programmes.

Applications in 2013: 412

Typical Offer: A*AA (**[More detailed entry requirements and the international qualifications accepted can be found in the course details \(? OpenSection=EntryRequirements\)](#)**)

Start date: September

Related courses

[Civil Engineering undergraduate degree courses](/schools/civil-engineering/undergraduate/index.aspx) (</schools/civil-engineering/undergraduate/index.aspx>)

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[School of Civil Engineering](/schools/civil-engineering/index.aspx) (</schools/civil-engineering/index.aspx>)

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Details

If you have a good grasp of maths and design and love to solve problems creatively, and have an interest in the railway industry then Civil Engineering degrees will be an excellent choice for you. During this degree, you will be actively involved in developing the specific design and professional skills required by Civil Engineers and will tackle numerous design problems to develop your analytical, technical and decision-making abilities. Whilst studying all the major Civil Engineering subjects, you will also gain experience in a range of railway system issues and disciplines. For the first two years of the degree, all of our undergraduates follow an integrated BEng or MEng route. Once you've finished your second year, you'll then choose whether to complete the **Civil and Railway Engineering BEng** (</undergraduate/courses/civil-engineering/civil-engineering-railway-beng.aspx>) or go on to study for an MEng degree. Progression to the MEng will require excellent second year examination results.

First year

We believe in developing the engineer in you, right from the first year. Our courses are designed to give you as many opportunities as possible to tackle problems. These take the form of design projects, which thread through our degree programmes. The design problems increase in complexity from the first year, where you will learn the importance of good conceptual design, until the third year, which sees you spending about half your time working on a real engineering problem provided by our industrial advisers.

At Birmingham, we develop your creativity and technical expertise from the first year and our courses are designed to apply the taught materials in design exercises. The teaching involves design projects, which thread through our degree programmes, increasing in complexity as the course continues. You will also be given a broad introduction to Railway System Engineering, which will involve working with students from other engineering discipline.

Second year

You'll extend your technical understanding and learn how to apply your knowledge and creativity to solving civil and railway engineering problems. You'll focus on designing real structures using concrete and steel and come to understand railway infrastructure and traction systems.

Third year

During your third year you will solve real-world problems through challenging design projects in the railway sector. You work in teams and individually to engineer

Fourth year

The highlight of the fourth year is a challenging individual research project. You will in addition study a range of advanced railway engineering topics, with significant input from practicing railway engineers.

Related links

- [Undergraduate programmes in railway engineering \(pdf 362 KB\) \(/Documents/college-eps/eece/brochures/railway-engineering-brochure.pdf\)](#)
- [Birmingham Centre for Railway Research and Education \(/research/activity/railway/index.aspx\)](#)
- [Civil Engineering undergraduate degree courses \(/schools/civil-engineering/undergraduate/index.aspx\)](#)
- [Frequently asked questions \(/schools/civil-engineering/undergraduate/faq.aspx\)](#)

Why study this course

Your Birmingham degree is evidence of your ability to succeed in a demanding environment. Employers target Birmingham students for their drive, diversity, communication and problem-solving skills, their team-working abilities and cultural awareness, and our graduate employment statistics have continued to climb at a rate well above national trends. If you make the most of the wide range of services you will be able to develop your career from the moment you arrive.

In the School of Civil Engineering, we are dedicated to our specialist areas of engineering. When we are not teaching you, we will be found working with industry, either as advisers or research partners. We are fortunate to have links with more than 50 engineering companies and senior academics in the School advise governments on issues such as the sustainability of the Olympic Park, flooding of river basins and road management in developing countries. Our research informs our teaching, so you will be exposed to the latest developments in the industry and get to learn about current engineering projects from practicing engineers.

We involve industrial partners in developing and delivering our programmes and our partnership with the civil engineering industry will help you to become the self-motivated, employable engineer that the industry look for.

As an independent guarantee of quality, all our BEng, MEng and MSc degree programmes are accredited by the Institutions of Civil and Structural Engineers and the Chartered Institution of Highways and Transportation, and are compatible with the latest guidelines for professional engineering registration

If you would like to know more reasons why we believe your experience at Birmingham would be special, [please see 10 reasons to come to Birmingham \(http://www.birmingham.ac.uk/schools/civil-engineering/about/index.aspx\)](#).

Modules

First year

[Construction Design and Professional Skills A \(http://selfservice.bham.ac.uk/webhandbooks/WebHandbooks-control-servlet?Action=getModuleDetailsList&pgSubj=04&pgCrse=17115\)](http://selfservice.bham.ac.uk/webhandbooks/WebHandbooks-control-servlet?Action=getModuleDetailsList&pgSubj=04&pgCrse=17115) 10

[Construction Design and Professional Skills B \(http://selfservice.bham.ac.uk/webhandbooks/WebHandbooks-control-servlet?Action=getModuleDetailsList&pgSubj=04&pgCrse=17116\)](http://selfservice.bham.ac.uk/webhandbooks/WebHandbooks-control-servlet?Action=getModuleDetailsList&pgSubj=04&pgCrse=17116) 10

[Electrical, Electronic and Computer Systems \(http://selfservice.bham.ac.uk/webhandbooks/WebHandbooks-control-servlet?Action=getModuleDetailsList&pgSubj=04&pgCrse=21839\)](http://selfservice.bham.ac.uk/webhandbooks/WebHandbooks-control-servlet?Action=getModuleDetailsList&pgSubj=04&pgCrse=21839) 10

[Properties and Applications of Materials \(http://selfservice.bham.ac.uk/webhandbooks/WebHandbooks-control-servlet?Action=getModuleDetailsList&pgSubj=04&pgCrse=21829\)](http://selfservice.bham.ac.uk/webhandbooks/WebHandbooks-control-servlet?Action=getModuleDetailsList&pgSubj=04&pgCrse=21829) 10

[Fluid Flow, Thermodynamics and Heat Transfer \(http://selfservice.bham.ac.uk/webhandbooks/WebHandbooks-control-servlet?Action=getModuleDetailsList&pgSubj=04&pgCrse=21831\)](http://selfservice.bham.ac.uk/webhandbooks/WebHandbooks-control-servlet?Action=getModuleDetailsList&pgSubj=04&pgCrse=21831) 20

[LC Statics & Mechanics \(http://selfservice.bham.ac.uk/webhandbooks/WebHandbooks-control-servlet?Action=getModuleDetailsList&pgSubj=04&pgCrse=23632\)](http://selfservice.bham.ac.uk/webhandbooks/WebHandbooks-control-servlet?Action=getModuleDetailsList&pgSubj=04&pgCrse=23632) 20

[Modelling Concepts and Tools \(http://selfservice.bham.ac.uk/webhandbooks/WebHandbooks-control-servlet?Action=getModuleDetailsList&pgSubj=04&pgCrse=21830\)](http://selfservice.bham.ac.uk/webhandbooks/WebHandbooks-control-servlet?Action=getModuleDetailsList&pgSubj=04&pgCrse=21830) 20

Introduction to Railway Engineering 20

Second year

[Floods and River Systems \(http://selfservice.bham.ac.uk/webhandbooks/WebHandbooks-control-servlet?Action=getModuleDetailsList&pgSubj=04&pgCrse=17151\)](http://selfservice.bham.ac.uk/webhandbooks/WebHandbooks-control-servlet?Action=getModuleDetailsList&pgSubj=04&pgCrse=17151) 20

[LI Engineering Design \(http://selfservice.bham.ac.uk/webhandbooks/WebHandbooks-control-servlet?Action=getModuleDetailsList&pgSubj=04&pgCrse=25348\)](http://selfservice.bham.ac.uk/webhandbooks/WebHandbooks-control-servlet?Action=getModuleDetailsList&pgSubj=04&pgCrse=25348) 20

[LI Soil Mechanics \(http://selfservice.bham.ac.uk/webhandbooks/WebHandbooks-control-servlet?Action=getModuleDetailsList&pgSubj=04&pgCrse=25348\)](http://selfservice.bham.ac.uk/webhandbooks/WebHandbooks-control-servlet?Action=getModuleDetailsList&pgSubj=04&pgCrse=25348) 20

[Action=getModuleDetailsList&pgSubj=04&pgCrse=25428](#))

Structural Engineering (<http://selfservice.bham.ac.uk/webhandbooks/WebHandbooks-control-servlet?Action=getModuleDetailsList&pgSubj=04&pgCrse=17150>) 20

Railway Infrastructure 20

Railway Traction 20

Third year

Civil Engineering Multi-discipline Design Project (<http://selfservice.bham.ac.uk/webhandbooks/WebHandbooks-control-servlet?Action=getModuleDetailsList&pgSubj=04&pgCrse=22723>) 40

Civil Engineering Group Management Project (<http://selfservice.bham.ac.uk/webhandbooks/WebHandbooks-control-servlet?Action=getModuleDetailsList&pgSubj=04&pgCrse=22722>) 10

Geotechnical Engineering (<http://selfservice.bham.ac.uk/webhandbooks/WebHandbooks-control-servlet?Action=getModuleDetailsList&pgSubj=04&pgCrse=25429>) 20

Structural Engineering Design (<http://selfservice.bham.ac.uk/webhandbooks/WebHandbooks-control-servlet?Action=getModuleDetailsList&pgSubj=04&pgCrse=17156>) 10

Communications and Train Control 20

Railway Management and Operations 20

Fourth year

Civil Engineering Research Project (<http://selfservice.bham.ac.uk/webhandbooks/WebHandbooks-control-servlet?Action=getModuleDetailsList&pgSubj=04&pgCrse=06087>) 40

LM Advanced Structures and Design (<http://selfservice.bham.ac.uk/webhandbooks/WebHandbooks-control-servlet?Action=getModuleDetailsList&pgSubj=04&pgCrse=25427>) 20

Engineering Geology (<http://selfservice.bham.ac.uk/webhandbooks/WebHandbooks-control-servlet?Action=getModuleDetailsList&pgSubj=04&pgCrse=19727>) 10

Financial Decision-Making in the Business Environment (<http://selfservice.bham.ac.uk/webhandbooks/WebHandbooks-control-servlet?Action=getModuleDetailsList&pgSubj=04&pgCrse=17840>) 10

Advanced topics in Railway Engineering 40

Fees and funding

Standard fees (<http://www.birmingham.ac.uk/students/ug/courses/fees/standard>) apply

Learn more about **fees and funding** (<http://www.birmingham.ac.uk/students/ug/feesandfinance/loans.aspx>)

Scholarships

Please see **Scholarships and awards - School of Civil Engineering** ([/schools/civil-engineering/undergraduate/scholarships/index.aspx](http://schools/civil-engineering/undergraduate/scholarships/index.aspx)).

A number of College / University scholarships will be available for this programme as for other programmes within Civil Engineering. In addition it is possible that scholarships funded by major Railway Industry partners will become available over the next few months. Applicants to the programme will be kept informed of any such developments.

Entry requirements

Number of A levels required: 3

Typical offer: A*AA



Required subjects and grades: A level Mathematics

General Studies: not accepted. Critical Thinking: not accepted. However, a good performance in one of these may be taken into account if you fail to meet the conditions of the offer

Additional information:

Other qualifications are considered – learn more about [entry requirements \(http://www.birmingham.ac.uk/students/ug/requirements\)](http://www.birmingham.ac.uk/students/ug/requirements)

International students:

International Baccalaureate Diploma: 35, including 6 in HL Mathematics.

Standard English language requirements apply

Learn more about [international entry requirements \(http://www.birmingham.ac.uk/students/ug/requirements/international\)](http://www.birmingham.ac.uk/students/ug/requirements/international)

Depending on your chosen course of study, you may also be interested in the Birmingham Foundation Academy, a specially structured programme for international students whose qualifications are not accepted for direct entry to UK universities. Further details can be found on the [foundation academy web pages \(http://www.birmingham.ac.uk/students/foundation-academy/Pathways/index.aspx\)](http://www.birmingham.ac.uk/students/foundation-academy/Pathways/index.aspx).

How to apply

Apply through UCAS at [www.ucas.com \(http://www.ucas.com/\)](http://www.ucas.com)

Learn more about [applying \(http://www.birmingham.ac.uk/students/ug/courses/apply\)](http://www.birmingham.ac.uk/students/ug/courses/apply)

Key Information Set (KIS)

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 information has been published on the Unistats website and can also be accessed via the small advert, or 'widget', below. On the [Unistats website \(http://unistats.direct.gov.uk\)](http://unistats.direct.gov.uk) you are able to compare all the KIS data for each course with data for other courses.

The development of Key Information Sets (KIS) formed part of HEFCE's work to enhance the information that is available about higher education. They give you access to reliable and comparable information in order to help you make informed decisions about what and where to study.

The KIS contains information which prospective students have identified as useful, such as student satisfaction, graduate outcomes, learning and teaching activities, assessment methods, tuition fees and student finance, accommodation and professional accreditation.

Related links

[Undergraduate programmes in railway engineering \(pdf 362 KB\) \(/Documents/college-eps/eece/brochures/railway-engineering-brochure.pdf\)](#)

[Civil Engineering undergraduate degree courses \(/schools/civil-engineering/undergraduate/index.aspx\)](/schools/civil-engineering/undergraduate/index.aspx)

[Studying Civil Engineering - frequently asked questions \(/schools/civil-engineering/undergraduate/faq.aspx\)](/schools/civil-engineering/undergraduate/faq.aspx)

[Engineering Industrial Sponsorship Programme \(RESPECT\) - School of Civil Engineering \(/schools/civil-engineering/undergraduate/industry-sponsorship.aspx\)](/schools/civil-engineering/undergraduate/industry-sponsorship.aspx)

Related news and events

[International rail conference speeds into Birmingham \(/news/latest/2014/12/international-rail-conference-04-12-14.aspx\)](/news/latest/2014/12/international-rail-conference-04-12-14.aspx)

[University of Birmingham launches new railway research institute in China \(/news/latest/2013/09/16-Sep-University-of-Birmingham-launches-new-railway-research-institute-in-China.aspx\)](/news/latest/2013/09/16-Sep-University-of-Birmingham-launches-new-railway-research-institute-in-China.aspx)

[University to play key role in training of HS2 engineers \(/news/latest/2014/09/training-of-hs2-engineers-30-09-14.aspx\)](/news/latest/2014/09/training-of-hs2-engineers-30-09-14.aspx)

Learning and teaching

The learning and teaching methods adopted in the Civil and Railway Engineering programme will include large group lectures, tutorial classes, small group tutorials, laboratory classes, design classes and supervised self study for design and research projects. In the fourth year of the programme, many of the lectures will be delivered by engineers working within the railway industry.

As a Birmingham student you are part of an academic elite and will learn from world-leading experts. At Birmingham we advocate an enquiry based learning approach, from the outset you will be encouraged to become an independent and self-motivated learner, qualities that are highly sought after by employers. We want you to be challenged and will encourage you to think for yourself.

Your learning will take place in a range of different settings, from scheduled teaching in lectures and small group tutorials, to self-study and peer group learning (for example preparing and delivering presentations with your classmates).

To begin with you may find this way of working challenging, but rest assured that we'll enable you to make this transition. You will have access to a comprehensive support system that will assist and encourage you, including personal tutors and welfare tutors who can help with both academic and welfare issues, and a formal [transition review \(https://intranet.birmingham.ac.uk/student/transitionreview/index.aspx\)](https://intranet.birmingham.ac.uk/student/transitionreview/index.aspx) during your first year to check on your progress and offer you help for any particular areas where you need support.

How will I be taught?

As a Birmingham student, you are joining the academic elite and have the privilege of learning from world-leading experts in the field of civil engineering. Throughout your studies, you will be encouraged to become an independent and self-motivated learner, thriving on challenge and opportunities to think for yourself.

Personal tutor

At the start of your degree, you'll be assigned a Personal Tutor who will remain with you throughout your studies to help you in three important areas: supporting your academic progress, developing transferable skills and dealing with any welfare issues.

Contact hours

In your first and second years, the course is delivered as lectures, small group workshops, laboratories, computer-based activities, enquiry-based learning and tutorials. A strong emphasis is placed on design project work in your third year.

Laboratory-based work is an integral part of our civil engineering degree programme, vital to develop your experimental practical skills, and to reinforce concepts introduced in lectures or to explore a particular phenomenon. Lab work takes place mainly in the first two years of the programme when you'll learn all the fundamental concepts, but you can also opt for a laboratory final-year project. You never know, you could be 'playing' in the Schools newly constructed wind tunnel.

Build something big. You could spend a week during your degree on site with your fellow students building a scale version of an iconic structure. It is muddy and exhilarating and our undergraduates rate it as one of the best experiences possible during a civil engineering degree:

Adobe Flash Player or QuickTime is required for video playback. [Get the latest Flash Player](#) [Get the latest version of QuickTime](#)

Lectures take place in our theatres which, as well as the traditional whiteboard and pen, are equipped with the latest technology, including facilities to show movies, animations and molecular graphics, to record lectures and to interact with 'ask the audience' style electronic voting systems.

Small-group tutorials/personal tutorials run alongside the lecture course, addressing any individual problems you may have and allowing you to consolidate lecture material, as well as test your understanding through problem-solving exercises.

Enquiry Based Learning (EBL) is a group activity which requires you to work in a team, with a variety of assessment methods; in either a group or individually, by written reports and sometimes as a presentation. Based on techniques used in research-led organisations like the University of Birmingham, EBL gives you a research-orientated approach to a problem and helps you to gain essential skills that are highly valued by employers.

Assessment methods

Each module is assessed independently with all containing some components of continuous assessment, which usually accounts for a quarter to one third of your marks. Some modules are completely assessed by coursework. Assessment methods include end-of-year examinations in May and June, written assignments, oral and poster presentations, computer-based tests, marked exercises, and laboratory and project reports.

In your first year, assessment is weighted more towards exams at 56%, with coursework accounting for 44% of your mark. By the second year they're weighted equally. In the third year your design projects take precedence and this is reflected in the marks; 55% coursework and 45% examination. These figures are the average for MEng Civil Engineering so they'll vary depending on what options you choose.

During your first year you will also undergo a formal 'transition' review, mentioned above, to see how you are getting on and whether there are particular areas where you need support. This is in addition to the personal tutor who is based in your School or Department and can help with any academic issues you encounter. Our Academic Skills Centre also offers you support with your learning. The centre is a place where you can develop your mathematical, academic writing and general academic skills. It is the centre's aim to help you to become a more effective and independent learner through the use of a range of high-quality and appropriate learning support services. These range from drop-in sessions with support with mathematics and statistics based problems provided by experienced mathematicians, to workshops on a range of topics including note taking, reading, writing and presentation skills.

Feedback is an essential part of learning and we use a wide range of methods, such as written feedback on your assessments, class feedback sessions and discussions with your tutor. You'll receive feedback on each assessment within four weeks, highlighting the positives of your work as well as any areas that need more attention. You will also be given feedback on any exams that you take; if you fail an exam we will ensure that you receive particularly detailed feedback to enable you to learn for the future.

Employability

The Civil with Railway Engineering courses are new to 2014 and there will be no firm employability data available until students start graduating in 2017/18. Until then, it may be helpful to know that feedback on the core Civil Engineering courses shows that 80-85% of our students were employed or in further study six months after graduation. Of those in employment, 95% were in graduate-level jobs and earning salaries in the region of £23-£29,000 per annum.

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As one of our Civil Engineering students, the range of career opportunities open to you when you graduate is enormous. The civil engineering and construction industries offer a wealth of jobs (from engineering consultants to contractors), with work in such fields as structures, geotechnics, water, environmental, highways, and railways. Engineering management jobs could also come from the environmental protection and local government sectors, or your problem-solving skills could, equally, be directed towards a career in finance, law, teaching and/or research.

Superb opportunities exist for you to gain industrial experience before you graduate:

You could add a year to your programme and spend this time in paid employment; usually between your second and third study years. You will gain relevant work

experience, and earn money putting into practice the skills and knowledge gained from your degree. Students on placement get involved in practical projects which ask challenging questions that require good engineering answers - and which often lead to sponsorship and/or the offer of a graduate job.

Spending at least two summers in industries will enable you to obtain a 'with industrial experience' degree.

Many top construction companies offer sponsorship to students through the **RESPECT scheme** (<http://www.birmingham.ac.uk/schools/civil-engineering/undergraduate/industry-sponsorship.aspx>).

A rich vein of experience will be available for you to tap into, not only through the University's dedicated Careers Network, but from the School's own industrial liaison officer. From these careers professionals you will gain the skills to help you secure a range of placements from vacation jobs to, eventually, your graduate job.

At School-level, you can opt to add a year to your programme, whatever the course you are studying, and spend this time on placement in industry. You will gain relevant work experience, and earn money putting into practice the skills and knowledge gained from your degree. Students on placement get involved in serious projects which ask searching questions that require good engineering answers - and which often lead to sponsorship and/or the offer of a graduate job. On successful completion of a placement in industry organised by the School, and success in your studies, you will be awarded the Certificate in Industrial Studies to add to your degree and improve your employability prospects.

At University-level, our unique careers guidance service is tailored to academic subject areas, offering a specialised team (in each of the five academic colleges) who can give you expert advice. Our team sources exclusive work experience opportunities to help you stand out amongst the competition, with mentoring, global internships and placements available to you. Once you have a career in your sights, one-to-one support with CVs and job applications will help give you the edge. In addition, our employer-endorsed award-winning **Personal Skills Award (PSA)** (<https://intranet.birmingham.ac.uk/as/employability/psa/index.aspx>) recognises your extra-curricular activities, and provides an accredited employability programme designed to improve your career prospects.

We also offer voluntary work which complements your studies by helping you gain practical experiences in occupational settings while contributing back to society. This can bring new skills that will be useful throughout your future and can make a positive impact on your learning whilst at university. Volunteering enables you to develop skills such as communication, interpersonal skills, teamwork, self-confidence and self-discipline all of which can be transferred into your studies.

Whichever of the above forms of careers guidance, or combination of such, you select you will find your prospects for employment after graduation considerably enhanced. If you make the most of the wide range of careers advice we can offer, you will be able to develop your career from the moment you arrive.

Career destinations of previous graduates include:

- Amey
- ARUP
- Atkins
- Balfour Beatty Ltd
- Bam Nuttall Ltd
- Birmingham City Council
- Bombardier Transportation
- Costain Group PLC
- Edmund Nuttall Ltd
- FaberMaunsell/AECOM
- Galliford Try
- Grontmij
- Interserve
- Jacobs
- Keller
- Laing O'Rourke,
- Met Office
- Metronet Rail BCV
- Mott MacDonald Group Limited
- Nottinghamshire County Council
- Npower
- Nuttall
- Royal Haskoning
- Walsall Metropolitan Borough Council
- Wardeil - Armstrong

University Careers Network

Preparation for your career should be one of the first things you think about as you start university. Whether you have a clear idea of where your future aspirations lie or want to consider the broad range of opportunities available once you have a Birmingham degree, our Careers Network can help you achieve your goal.

If you make the most of the **wide range of services** (<https://intranet.birmingham.ac.uk/as/employability/careers/college/eps/index.aspx>) you will be able to develop your career from the moment you arrive.

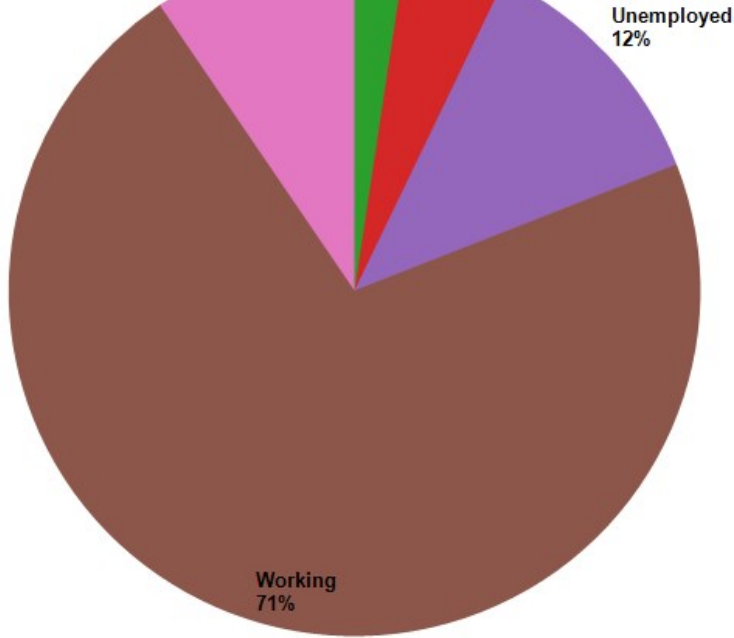
Destinations of Leavers from Higher Education (DLHE) 2011/12

The DLHE survey is conducted 6 months after graduation.



Examples of occupations

- Assistant Civil Engineer
- Consultant Engineer
- Graduate Bridge Engineer



- Graduate Leader
- Graduate Site Engineer
- Graduate Tunnelling Engineer
- Officer Cadet
- Site Engineer
- Structural Engineer
- Water Engineer

Further study - examples of courses

- MRes Materials and Sustainable Technology
- MRes Science and Engineering of Materials
- MSc Computer Science
- MSc Construction Management
- MSc Environmental Technology
- MSc Railway Systems Engineering and Integration
- MSc Road Engineering and Management
- PhD Civil Engineering

Visit the [Careers section of the University website](#)

<https://intranet.birmingham.ac.uk/as/employability/careers/college/eps/index.aspx> for further information.

Professional accreditation

Application will be made to the Joint Board of Moderators for accreditation of the programme for the education of Chartered Engineers.

85% Students agreed staff are good at explaining things

MEng (Hons) Civil and Railway Engineering
Full time

To see more details and compare with other courses

Visit **UNISTATS** ▶

Official data collected by HEFCE

