

# Civil Engineering and Management Masters/Msc/Diploma/Certificate

## Postgraduate degree programme Civil Engineering and Management Masters/Msc/Diploma/Certificate

This Masters / MSc / PG diploma postgraduate degree course in Civil Engineering and Management is offered for civil engineering and related graduates wishing to study project and construction management within a civil engineering context. It addresses the working of engineering and construction organisations and provides disciplines and techniques of practical use in civil engineering, management and implementation of all stages of construction and civil engineering projects. This opens up a wide range of career opportunities, as many of the techniques are applicable both within and outside the civil engineering design and construction industry

The MSc/PG Diploma in Civil Engineering and Management allows students to tailor their studies to meet the needs of their chosen career path by offering a wide range of modules which can be selected, together with a wide choice of individual research projects.

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

### Course fact file

**Type of Course:** Taught

**Study Options:** Full time, part time

**Duration:** 1 year full-time, or on a part-time basis over 24 months

**Start date:** September

### Related courses

**[Taught postgraduate degree courses - School of Civil Engineering \(/schools/civil-engineering/postgraduate/taught-degrees.aspx\)](/schools/civil-engineering/postgraduate/taught-degrees.aspx)**

### Contact

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

**[Follow us on Twitter \(http://twitter.com/eps\\_unibham\)](http://twitter.com/eps_unibham)**

### Details

The Birmingham MSc in Civil Engineering and Management allows students to tailor their studies to meet the needs of their chosen career path by offering a wide range of modules which can be selected together with a wide choice of individual research projects.

#### Breakdown of course

The programme covers the core themes of Structural Engineering, Geotechnical Engineering and Construction Management. The course is made up of a total of 180 credits, 120 of which are from taught modules and a research project forms the basis of the remaining 60 credits.

#### The following modules are offered:

- Individual Research Project
- Finance and Core Skills
- Sustainable Construction
- Engineering Production and Risk Management
- Engineering Structural Dynamics
- Advanced Structures and Design
- Geomechanics
- Soil Mechanics

This programme is commencing in September 2013 and we are applying for accreditation.



## Related links

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

[Taught postgraduate degree courses - School of Civil Engineering \(/schools/civil-engineering/postgraduate/taught-degrees.aspx\)](/schools/civil-engineering/postgraduate/taught-degrees.aspx)

## Why study this course

MSc Civil Engineering and Management graduates will go on to careers world-wide in consultancy, contracting industry, or choose a career in industry that requires a good understanding of civil engineering issues. They

may also resume existing careers or enter new branches of the wider engineering industry.

The University of Birmingham has six decades' worth of experience delivering Masters level education to students from across the world in more specialised areas of civil engineering. This new programme meets the need for general, flexible civil engineering learning to Masters level for future Chartered and Incorporated engineers.

Being flexible in its nature, this MSc in Civil Engineering and Management permits every student to tailor the programme of studies to suit their own chosen career, benefiting from the range of specialist modules available to all MSc students. Flexibility also means that graduates of non-civil engineering disciplines may be eligible for study. Please enquire if this applies in your particular case and the School will make an assessment based on previous study and experience.

## Modules

### Core Modules (and credits)

- Construction Management (20)
- Sustainable Construction (20)
- Finance and Core Skills (20)
- Engineering Production and Risk Management (20)
- Geotechnical Process Management (20)
- Individual Research Project (60)

### Choose one 20 credit module from Structures theme

- Advanced Structures and Desig 20
- Seismic Engineering 20

## Fees and funding

### Tuition fees for home/EU students (2015/2016)

#### Full-time fees

Postgraduate Masters	£6,840
Postgraduate Diploma	£4,560
Postgraduate Certificate	£2,280

**Part-time programmes:** Most part-time programmes run for two years and their fees are one half of the standard full-time programme fees.

### Tuition fees for international students (2015/2016)

International student tuition fees are set at **£17,960**. For further information please view the [fees for international students \(/International/students/finance/fees.aspx\)](/International/students/finance/fees.aspx) page.

**Part-time programmes:** UK student visa regulations mean that students classed as overseas for fees purposes may normally only register on a full-time basis.

### Further funding information

For information about fees please contact the School directly

Learn more about [fees and funding \(/postgraduate/pgt-fees/fees.aspx\)](/postgraduate/pgt-fees/fees.aspx)

### Scholarships and studentships

Scholarships may be available. International students can often gain funding through overseas research scholarships, Commonwealth scholarships or their home government.

For further information contact the School directly or email [financialsupport@bham.ac.uk \(mailto:financialsupport@bham.ac.uk\)](mailto:financialsupport@bham.ac.uk)

## Entry requirements

Applicants for admission to the MSc/PG Diploma should normally hold, or be expecting to achieve, a good first degree (Bachelor or Master level) or other approved qualification at an equivalent level. This would usually be Civil Engineering or a related discipline. Applications from holders of pertinent non-engineering degrees will be

welcome.

Relevant post-graduate experience in industry will also be taken into account in considering applications and holders of CEng or IEng qualifications, or equivalent, but without a degree, are also invited to apply.

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

### International students

We accept a range of qualifications from different countries – learn more about [international entry requirements \(http://www.birmingham.ac.uk/students/pg/requirements/international\)](http://www.birmingham.ac.uk/students/pg/requirements/international).

[Standard English language requirements \(/postgraduate/requirements-pgt/international/index.aspx\)](http://www.birmingham.ac.uk/students/pg/requirements/pgt/international/index.aspx) apply

### How to apply

When clicking on the Apply Now button you will be directed to an application specifically designed for the programme you wish to apply for where you will create an account with the University application system and submit your application and supporting documents online. Further information regarding how to apply online can be found on the [How to apply pages \(http://www.birmingham.ac.uk/students/courses/postgraduate/apply-pg/index.aspx\)](http://www.birmingham.ac.uk/students/courses/postgraduate/apply-pg/index.aspx)

[Apply now \(https://pga.bham.ac.uk/lpages/EPSo88.htm\)](https://pga.bham.ac.uk/lpages/EPSo88.htm)

### Related links

[Postgraduate degree courses in Civil Engineering at Birmingham \(pdf 1 MB\) \(/Documents/college-eps/civil/brochure/postgraduate-courses-civil-engineering.pdf\)](#)

### Related news and events

[New Civil Engineering with Management Masters/Msc \(/schools/civil-engineering/news/archive/new-civil-engineering-with-management-master-msc.aspx\)](#)

[New Structural Engineering and Practice Masters/Msc \(/schools/civil-engineering/news/new-structural-engineering-practice-master-msc.aspx\)](#)

[The William E Lardner Award in Civil Engineering \(/schools/civil-engineering/news/william-lardner-award.aspx\)](#)

### Learning and teaching

This programme provides a solid basis for a career in the management and implementation of construction and civil engineering projects. Comprising lectures, seminars, tutorials, workshops, coursework, group project work and site visits, it addresses the management of technical (engineering) activities, the development of personal, interpersonal and project management skills, and provides a fundamental understanding of the social, economic, resource management and legal frameworks within which civil engineering projects take place.

The taught element takes place between September and May. In order to achieve the MSc degree, students will go on to undertake a major individual project in the May to September period. Diploma students do not take the individual project. The taught part of the programme consists of nominally 1200 student effort hours including some 400 contact hours of lectures, seminars, tutorials and workshops. The individual project involves approximate 600 hours of student effort.

It is possible to study full-time or part-time, as modules are delivered in intensive week-long blocks. This means that students can combine work and study, attending university for these weeks only. A student's performance is assessed by written examinations and individual coursework. The research project report is submitted and presented (end of August/early September) for assessment. Students must normally reach a satisfactory standard in the written examinations to be permitted to proceed to the individual project. Formal examinations are normally held during the week immediately before the Spring term, in early January, and during May; submission of the project thesis is usually due by early September.

Transfer between Postgraduate Diploma and MSc is possible upon completion of the Diploma for a Diploma student who satisfies the MSc requirements. The Diploma may be awarded to an MSc student who fails to complete the individual project.



### Employability

Being flexible in its nature, this MSc in Civil Engineering and Management permits every student to tailor the programme of studies to suit their own chosen career, benefiting from the range of specialist modules available to all MSc students. Flexibility also means that graduates of non-civil engineering disciplines may be eligible for study: please enquire if this applies in your particular case and the School will make an assessment based on previous study and experience.

### University Careers Network

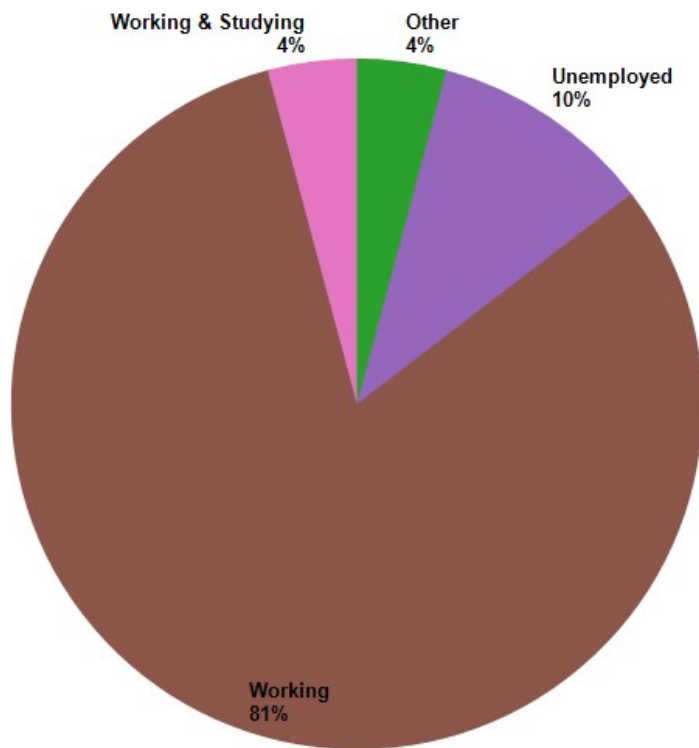
Preparation for your career should be one of the first things you think about as you start university. Whether you have a clear idea of where your future aspirations lie or want to consider the broad range of opportunities available once you have a Birmingham degree, our Careers Network can help you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

Our unique careers guidance service is tailored to your academic subject area, offering a specialised team (in each of the five academic colleges) who can give you expert advice. Our team source 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.

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 (postgraduate taught graduates)

The DLHE survey is conducted 6 months after graduation.



#### Examples of employers

- AECOM
- Amey
- Arup
- Atkins
- British Army
- Hyder Consulting
- Interserve
- Laing O'Rourke
- Mouchel
- Network Rail

#### 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.aspx>) for further information.

