H1KB09: Civil Engineering

Postgraduate Taught MSc 2020

Essentials

UCAS code	
Degree	MSc
Mode of study	Full Time
Duration	1 year
Start Date	2 October
Location	Durham City (www.durham.ac.uk/study/location/durham.city)
More information	Still have questions? (www.durham.ac.uk/study/askus/)
Department(s) Website	www.durham.ac.uk/engineering

Course Summary

Description

This course will provide you with advanced knowledge and understanding of Civil Engineering in three ways. Firstly high-quality taught modules will introduce advanced Civil Engineering topics such as structural design and highways engineering. Secondly, a substantial Civil design element will equip you with the ability to carry out structural design using appropriate design standards and numerical analysis tools. Finally, a major research and development project allows you to demonstrate the ability to work independently on a complex topic and demonstrate initiative in the solution of engineering challenges.

Durham University has many researchers tackling the challenge of ensuring sustainability and resilience of the infrastructure that underpins our society and economy. This sustainable infrastructure will form the topic of many of the substantial projects that you will undertake and you are uniquely placed to take advantage of a broad range of expertise in a general engineering department.

Course Structure

The course consists of four core modules to provide advanced engineering education in Civil Engineering technologies alongside an optional module that allows you to increase your understanding in a core area suited to your interests and needs. The modules include lecture courses, laboratory experiments, a group design project and a major, individual research and development project

Core Modules

- Research and Development Project
- Civil Design
- Structures, Highways and Construction
- Advanced Geotechnical Engineering and Hydrology

Optional Modules available include:

- Structures and Geomatics 3
- Environmental Engineering 3

Admissions Process

Subject requirements, level and grade

To be admitted to the MSc programme in Civil Engineering, you need the equivalent of a UK Honours degree to at least an upper second class standard (2:1). This should normally be in an appropriate Engineering or Engineering-related subject including modules in Geotechnics, Mechanics and Mathematics for Engineers and Scientists. Although in some instances we can consider industrial or other relevant experience if you have a different first degree.

If you are an international student who does not meet the requirements for direct entry to this degree, you may be eligible to take a pre-Masters pathway programme at the Durham University International Study Centre (www.durhamisc.com/?ch=uniweb&cc=signposting&cid=uniweb&utm_source=signposting&utm_medium=signposting&utm_campaign=uniweb) .

English Language requirements

Please check requirements for your subject and level of study (www.durham.ac.uk/learningandteaching.handbook/1/3/3/) .

How to apply

www.durham.ac.uk/postgraduate/apply

Fees and Funding

The tuition fees for 2020/21 academic year have not yet been finalised, they will be displayed here once approved.

The tuition fees shown are for one complete academic year of full time study, are set according to the academic year of entry, and remain the same throughout the duration of the programme for that cohort **(unless otherwise stated)**.

Please also check costs for colleges and accommodation (www.durham.ac.uk/postgraduate/accommodation/costs/).

Scholarships and funding

www.durham.ac.uk/postgraduate/finance

Career Opportunities

Department of Engineering

For further information on career options and employability, including the results of the Destination of Leavers survey, student and employer testimonials and details of work experience and study abroad opportunities, please visit our employability web pages (www.durham.ac.uk/ecs/postgraduate/employability).

Open days and visits

Pre-application open day

www.durham.ac.uk/postgraduate/visit

Overseas Visit Schedule

www.durham.ac.uk/international/office/meetus

Postgraduate Visits

PGVI or
www.durham.ac.uk/postgraduate/visit/

Department Information

Department of Engineering

Overview

The Department of Engineering offers postgraduate courses that are challenging and technologically relevant. The Department's research covers a wide range of topics, which are divided into three challenge areas: Future Energy Systems, Next Generation Materials and Microsystems, and Sustainable Infrastructure. A broad range of specialist research clusters support our activities in these areas. Durham engineering postgraduates, both taught and research, will be making a vital contribution to these challenge areas. You will have access to extensive and diverse research facilities to support your learning. For example, airflow sensors, made using cutting-edge microfabrication techniques in the Class 1000 Cleanroom, have been tested and characterised in the Department's wind tunnel facilities.

Ranking

Ranked joint 1st in the UK for Internationally Excellent or World-Leading research impact in *REF 2014*.

Website

www.durham.ac.uk/engineering