

# FACULTY OF ENGINEERING

## DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING

### CIVIL ENGINEERING

Master of Science in Civil Engineering  
Postgraduate Diploma in Civil Engineering  
Postgraduate Certificate in Civil Engineering

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants shall possess:
  - i. a degree (or in the case of direct entry to the degree of MSc, a first or upper second class Honours degree) from a United Kingdom university in Science or Engineering; or
  - ii. a qualification deemed by the Programme Leader acting on behalf of Senate to be equivalent to i. above.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of competence.

#### Duration of Study

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

4. The programmes are available by full-time and part-time study.

#### Curriculum

5. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the degree of MSc no fewer than 180 credits including the Project CL980

#### Compulsory Modules

Module Code	Module Title	Level	Credits
EV939	Environmental Impact Assessment	5	10
CL994	Circular Economy and Transformations towards Sustainability	5	10
CL804	Research Methods for Quantitative and Qualitative Approaches	5	10
Or			
CL997	Research Methods for Quantitative and Qualitative Approaches	5	10
CL519	Group Design Project B	5	20

Or			
CL966	Civil Engineering Design Project B	5	20
Students for the degree of MSc only:			
CL980	Project	5	60

### **Optional Modules**

No fewer than 70 credits chosen from:

Module Code	Module Title	Level	Credits
CL808	Sustainable Ground Improvement and Reinforcement	5	10
CL809	Advanced Structural Analysis and Sustainable Design	5	10
CL8xx	Risk Analysis in Engineering	5	10
CL904	Waste Management and Landfill Design	5	10
CL906	Site Investigation and Risk Assessment	5	10
CL810	Climatic Hazard to Earth Infrastructure	5	10
CL935	Hydrogeology	5	10
CL954	Contaminated Land	5	10
CL976	Prestressed Concrete, Composite Materials and Structural Stability	5	10
CL978	Water & Wastewater Treatment Design	5	10
EV921	Water and Environment Management	5	10
CL991	Structural Health Monitoring	5	10
CL996	Materials and Microstructures	5	10
EF929	Financial Engineering	5	10
CL946	Global Water Policy	5	10
CL961	Geographical Information Systems	5	10
CL8xx	Sustainable Transport-Energy Transitions	5	10
CL8xx	Carbon Assessment and Management in the Built Environment	5	10
CL8xx	Coastal Engineering	5	10
CL973	Independent Study in Collaboration with Industry	5	10

	Or		
CL998	Independent Research Study (Semester 1)	5	10
	Or		
CL999	Independent Research Study (Semester 2)	5	10
	For PG Diploma only		
CL802	Civil & Environmental PGDip Dissertation	5	20

Exceptionally, such other Level 5 modules totalling no more than 20 credits, as approved by the Programme Leader.

Not all optional modules on these lists will be available in each academic year.

### Examination, Progress and Final Assessment

- See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
- The final award will be based on performance in the examinations, coursework and the CL980 project where undertaken.

### Award

- Degree of MSc:** In order to qualify for the award of the degree of MSc in Civil Engineering, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits of which 60 must have been awarded in respect of the project CL980.
- Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Civil Engineering, a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme.
- Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Civil Engineering, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme.