ESCOLA DE CAMINS
Barcelona School of Civil Engineering

MASTER’S DEGREE IN
CIVIL ENGINEERING

UNIVERSITAT POLITECNICA
DE CATALUNYA
BARCELONATECH
International Campus of Excellence

UPC studies
MASTER’S DEGREE IN CIVIL ENGINEERING

The master’s degree in Civil Engineering provides advanced, specialised and multidisciplinary training oriented towards technological innovation in the field of civil engineering. The curriculum focuses on solving real problems by identifying and analysing needs in the fields of civil, environmental, hydraulic, geotechnical, construction and infrastructure engineering. The experimental work carried out in the laboratories of the Barcelona School of Civil Engineering and the numerical modelling tools that students learn to use informs their cross-disciplinary, technical and scientific training.

The master’s degree in Civil Engineering incorporates a professional focus and research-oriented training in the framework of the doctoral degree in Civil Engineering, which was recently awarded a Pathway to Excellence award by the Ministry of Education.

In the field of civil engineering, the Barcelona School of Civil Engineering is one of the most prestigious schools in Europe because of the quality of its teaching and its excellence in research. The School works to strengthen its links with the professional and institutional realities of civil engineering and because of this it keeps a good balance between teaching, research and the transfer of results to business. This facilitates graduates’ incorporation into the international market as master’s degree-level engineers.

Areas of knowledge

Structure and Construction
Hydraulic, Maritime and Environmental Engineering
Geotechnical Engineering
Environment and Sustainability
Transport and Urbanism
Numerical Methods
Professional opportunities
Graduates of the master’s degree in Civil Engineering are employed by public and private bodies devoted to engineering, design, construction, services and installations. Depending on the area of knowledge, they may carry out advisory and supervising functions or pursue a research career.

Languages
Face-to-face teaching is in Spanish or Catalan, although some subjects may be taught in English.

Work placement
You can go on work placement at national or international companies and institutions to gain professional experience.

Internacionalisation
We offer international mobility places so that you can take courses or work on the master’s thesis abroad.

International networks
The Barcelona School of Civil Engineering participates in renowned international networks such as CLUSTER, UNITECH, EUCEET, TIME, CINDA and Smile-Magalhães.

International recognition
Every year, the School’s teaching staff receive national and international prizes and awards for their teaching and research.
In both the QS World University Rankings and the National Taiwan University (NTU) Ranking, the UPC is the top Spanish university in the field of Civil Engineering and 36th and 47th in the world, respectively.

Master’s thesis
You will have the option of carrying out your master’s thesis at a department, laboratory or research group in the Barcelona School of Civil Engineering, at a company or within the framework of a mobility programme.

Specific requirements
The master’s degree in Civil Engineering is aimed at:
- Civil engineering, public works and construction graduates
- Geological and mining engineering graduates
- Architecture graduates
Graduates of other university degrees may need to take bridging courses. For further information on these requirements, visit the master’s degree website:
www.camins.upc.edu/estudis

Which subjects will you choose?
You will take the compulsory stage and then choose a major and a minor in one of the subject areas offered.

First course

| Compulsory subjects | 30 |
| Minor (All credits must be taken from a single academic pathway) | 30 |

Second course

| Minor (Credits can be taken from different academic pathway of major) | 15 |
| Optional subjects | 15 |
| Master’s Thesis | 30 |

Consult the curriculum on the master’s degree website: www.camins.upc.edu/estudis
Complete your engineering training in an area of civil engineering.

You can carry out the master’s thesis on an innovative and creative subject in one of the areas of knowledge.

Your talent, leading your future

Further information:
www.camins.upc.edu/estudis
area.academica@upc.edu
www.upc.edu/sri/students