

Management
Master's degree in

120 ECTS
Cat-Esp-Eng
Language

This master's degree provides advanced and rigorous training in industrial technology, management and facilities. It qualifies graduates to practise as industrial engineers.

This master's degree enables students to gain a deep understanding of the technology involved in the production of energy by fission chain reaction.

90 ECTS
Eng
Language

The European Master in Innovation in Nuclear Energy (EMINE) has a compulsory mobility component and a different admission process.

120 ECTS
Eng
Language

120 ECTS
25% Cat-60% Esp-15% Eng
Language

This master's degree provides graduates with high-level skills for chemical engineering. It provides practice and research in the field of technology and focuses on professional with a solid grounding in science and This master's degree provides students

Nuclear Engineering
Master's degree in

120 ECTS
Cat-80% Esp-20% Eng
Language

Students on this master's degree acquire high-level skills and once they graduate they are able to adapt easily to positions of responsibility in companies or research centres in the sector.

90 ECTS
Eng
Language

The European Master in Innovation in Nuclear Energy (EMINE) has a compulsory mobility component and a different admission process.

120 ECTS
Eng
Language

120 ECTS
10% Cat-50% Esp-40% Eng
Language

This master's degree provides graduates with a high level of excellence in the analysis, management and optimisation of logistic and transport systems in the fields of civil and industrial engineering.

Supply Chains, Transport and Mobility
Master's degree in

120 ECTS
Eng
Language

This master's degree provides graduates with a high level of excellence in the analysis, management and optimisation of logistic and transport systems in the fields of civil and industrial engineering.

120 ECTS
Cat-50% Esp-50% Eng
Language

35% Cat-50% Esp-15% Eng
Language

This master's degree provides students with a solid grounding in science and technology and focuses on professional practice and research in the field of chemical engineering. It provides students with high-level skills for employment.

Chemical Engineering
Master's degree in

120 ECTS
Cat-Esp-Eng
Language

This master's degree provides technical, scientific and technological training with practical applications to the basic disciplines of medicine. Graduates have prospects of employment in industry, health care, research, development and innovation.

60 ECTS
Eng
Language

This master's degree offers a high level of excellence in the analysis, process control and robot systems, industrial engineering and domestic, social and service environments.

Materials Science and Engineering
Master's degree in

120 ECTS
Eng
Language

This master's degree is taught in conjunction with Swedish, German, Italian, Dutch and Finnish universities and provides pioneering, top-level education in the field of renewable energy.

120 ECTS
Esp-20% Eng
Language

The European Master in Advanced Materials Science and Engineering (AMASE) has a compulsory mobility component and a different admission process, and it leads to a different qualification.

KiC InnoEnergy
master's degrees in Energy

90 ECTS
Esp
Language

We teach the following master's degrees as part of the educational project KiC InnoEnergy:

- MSc **RENE** - Renewable Energy
- MSc **SENSE** - Smart Electrical Networks & Systems
- MSc **SELECT**
- MSc **EMINE**

120 ECTS
Eng
Language

Industrial Engineering
Master's degree in

120 ECTS
Cat-Esp-Eng
Language

This master's degree provides advanced and rigorous training in industrial technology, management and facilities. It qualifies graduates to practise as industrial engineers.

Automotive Engineering
Master's degree in

120 ECTS
Cat-80% Esp-20% Eng
Language

Students on this master's degree acquire high-level skills and once they graduate they are able to adapt easily to positions of responsibility in companies or research centres in the sector.

Automatic Control and Robotics
Master's degree in

120 ECTS
Eng
Language

This master's degree offers a high level of excellence in the analysis, process control and robot systems, industrial engineering and domestic, social and service environments.

Biomedical Engineering
Master's degree in

60 ECTS
Cat-Esp-Eng
Language

This master's degree provides technical, scientific and technological training with practical applications to the basic disciplines of medicine. Graduates have prospects of employment in industry, health care, research, development and innovation.

Erasmus Mundus Master in Sustainable Energy Systems
SELECT

120 ECTS
Eng
Language

This master's degree is taught in conjunction with Swedish, German, Italian, Dutch and Finnish universities and provides pioneering, top-level education in the field of renewable energy.

Occupational Health and Safety
Master's degree in

90 ECTS
Esp
Language

This master's degree produces graduates who can take on high-level professional responsibilities in companies and agencies.

ENG

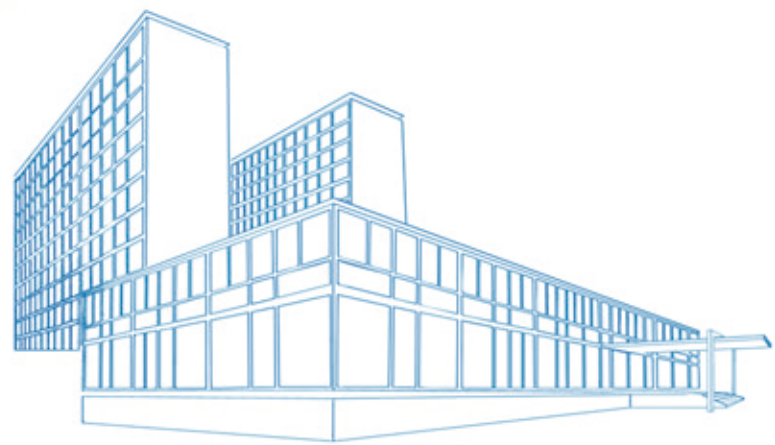
ETSEIB

Escola Tècnica Superior d'Enginyeria Industrial de Barcelona

School of Reference: training and research at the highest scientific and technological level

2014-15

MASTERS



ETSEIB

Escola Tècnica Superior d'Enginyeria Industrial de Barcelona

School of Reference: training and research at the highest scientific and technological level

Information and contact:
Escola Tècnica Superior d'Enginyeria Industrial de Barcelona
Av. Diagonal, 647
08028 Barcelona
tel. +34 401 59 27

www.etseib.upc.edu
admissions.etseib@upc.edu



ETSEIB (Escola Tècnica Superior d'Enginyeria Industrial de Barcelona)



The ETSEIB combines its long-standing tradition with its spirit of renewal and continuous improvement, making it one of the best engineering schools in Spain and center of international reference.

The ETSEIB trains engineers with a sound scientific basis, a broad technology, multidisciplinary approach and good knowledge on finance and management.

This general profile allows our graduates to specialize in a wide range of industrial fields of activity, as well as to deal with all kinds of technological changes.

The aim of the school is to serve society through the training, research and the technology transfer in the field of industrial engineering, with the highest degree of academic excellence and quality.

www.etseib.upc.edu



BKC (Barcelona Knowledge Campus)

The "Universitat Politècnica de Catalunya" and the "Universitat de Barcelona", centers of international reference, present this common project in the city of Barcelona.

BKC is a strategic alliance in order to create a knowledge environment promoting the employment, the social cohesion and territorial economic development.

BKC is first in the ranked Campus of International Excellence of Spain.



www.bkc.upc.edu

BCU (Barcelona Centre Universitari)

The BCU supports those non-academic life aspects of the foreign university community.

It provides a wide range of accommodation for foreign students, PhD, lecturers and researchers.

Organizes activities for the cultural and social integration for the students and teaching staff and researchers.

Inform about the scientific policy and training offers in Catalonia.

www.bcu.cesca.es



Collaboration with companies, organizations and departments

The students of the school have the opportunity to carry out internships and/or their end of studies project in companies and organizations related to engineering. Likewise, it is possible to carry out projects and/or internships in departments or university institutes.

Some of the companies and partner organizations participate in awarding outstanding students.

ETSEIB is the headquarters of several University-Company Chairs. These University-Company Chairs enhance the binding between the company and academic world.

The relation between the student carrying out an internship and the company/organization/department is regulated by different agreements and regulations.

Departments and Institutes

Materials Science and Metallurgical Engineering
Construction Engineering
Systems, Automatics and Industrial Computing Engineering
Electrical Engineering
Electronic Engineering
Mechanical Engineering
Chemical Engineering
Statistics and Operational Research
Graphical design in Engineering
Physics and Nuclear Engineering
Language and Computing Systems
Thermal machines and engines
Applied Mathematics I
Fluid Mechanics
Business organization
Engineering projects
Materials resistance and Structures in Engineering
Institute of Energetic techniques (INTE)
Institute of Organization and Industrial Control Systems (IOC)

Scholarships

The students interested in carrying out Master's studies may benefit from grants.

The Erasmus Mundus programmes and KIC Innoenergy (European Institute of innovation and Technology) include grants that cover the tuition fees and a monthly allocation.

Services

The school offers numerous support services for the academic and cultural activity.

Computer labs
Wireless network
Library
Digital Campus
Study rooms
Photocopying service
Conference rooms
Hall
Seminars
Gym
Canteen
Videoconference rooms
Meeting rooms

Other activities

The students of the school can take part in technical and training projects, can be part of the team that organizes the Companies Forum, take part and organize the Music Day, can take part in cultural and sport activities or activities of training nature within the associative life that the school promotes and supports.

Motorsport



Sports



Company Forum



Music Day

