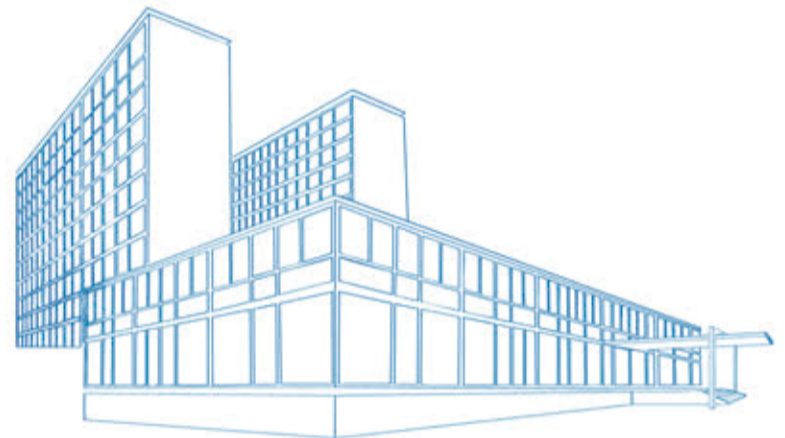




2020-21 MASTERS



Master's degree in Industrial Engineering



The master's degree provides advanced, academically rigorous training that enables graduates to practise as industrial engineers. Its multidisciplinary programme covers the fields of industrial technologies, industrial engineering and industrial constructions and facilities. It allows students to specialise in industrial disciplines such as automatic control, biomedical engineering, electrical engineering, electronic engineering, energy engineering, structural and construction engineering, materials engineering, mechanical engineering, industrial engineering or chemical engineering.

120 ECTS Cat - Esp - Eng
Language

Double degrees

Double degrees with other master's degrees of the ETSEIB:

Automatic Control and Robotics
Automotive Engineering
Industrial Engineering
Nuclear Engineering
Energy Engineering

International double degrees:

Technische Universität München (DE)
ISAE-Supaero (FR)
Illinois Institut of Technology (USA)
Cranfield University (UK)

Among other international universities.

Master's degree in Automotive Engineering



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. It is taught with the Barcelona School of Telecommunications Engineering.

120 ECTS Cat - Esp - Eng
Language

Master's degree in Automatic Control and Robotics



High degree of excellence in the analysis, design and optimisation of control systems and robotic systems in the field of industrial engineering and in domestic, social and service environments.

120 ECTS Eng
Language

Master's degree in Management Engineering



This master's degree equips graduates to make effective decisions related to the design, planning and management of complex organisations.

120 ECTS Cat - Esp - Eng
Language

Master's degree in Supply Chain, Transport and Mobility Management



It focuses on the analysis, management and optimisation of logistics and transport systems and trains students for professional careers in civil engineering and industrial engineering. It is taught with the Barcelona School of Civil Engineering, which also belongs to the UPC.

120 ECTS Esp - Eng
Language

Master's degree in Biomedical Engineering



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 Cat-Esp-Eng
Language

Master's degree in Nuclear Engineering



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 Nuclear Energy (EMINE) has a compulsory mobility component and a different admission process.

 120 ECTS Eng
Language

Master's degree in Energy Engineering



The international master's degree in Energy Engineering produces professional experts who have the knowledge and skills to analyse practical cases and manage projects involving the generation, transformation, distribution or consumption of different kinds of energy.

 120 ECTS Cat - Esp - Eng
Language

MSc Programmes in Energy - InnoEnergy



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

- MSc RENE – Renewable Energy
- MSc Energy for Smart Cities
- MSc SENSE – Smart Electrical Networks and Systems
- MSc EMINE – Nuclear Energy
- MSc SELECT – Environmental Pathways for Sustainable Energy System

 120 ECTS Eng
Language

Master's degree in Neuroengineering and Rehabilitation



This master's degree offers an excellent opportunity to graduates of bachelor's degrees to continue their specialisation or focus their career on this social need with a high health and economic impact. It is taught with Institut Guttmann Neurorehabilitation Hospital, an affiliated centre of the UAB.

90 ECTS Eng
Language

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.



<http://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.

Informs about the scientific policy and training offers in Catalonia.

<https://bcu.cat/en/>



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 Metallurgy
Automatic Control
Electrical Engineering
Electronic Engineering
Mechanical Engineering
Chemical Engineering
Statistics and Operations Research
Physics
Computer Science
Heat Engines
Mathematics
Engineering Presentation
Fluid Mechanics
Management
Project and Construction Engineering
Strength of Materials and Structural Engineering
Institute of Energy Technology
Institute of Industrial and Control Engineering

Scholarships

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

Innoenergy programmes (European Institute of Innovation and Technology) include grants that may cover the tuition fees and a monthly stipend.

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



Career Fair



Music Day

