

Master in Energy Engineering

2024-2025

www.upc.edu/masters-sessions



UNIVERSITAT POLITÈCNICA
DE CATALUNYA
BARCELONATECH



Register
to the information
sessions

Now, UPC masters degrees!



Master in Energy Engineering



1. UPC/ETSEIB introduction
2. Master in Energy Engineering
3. Q & A





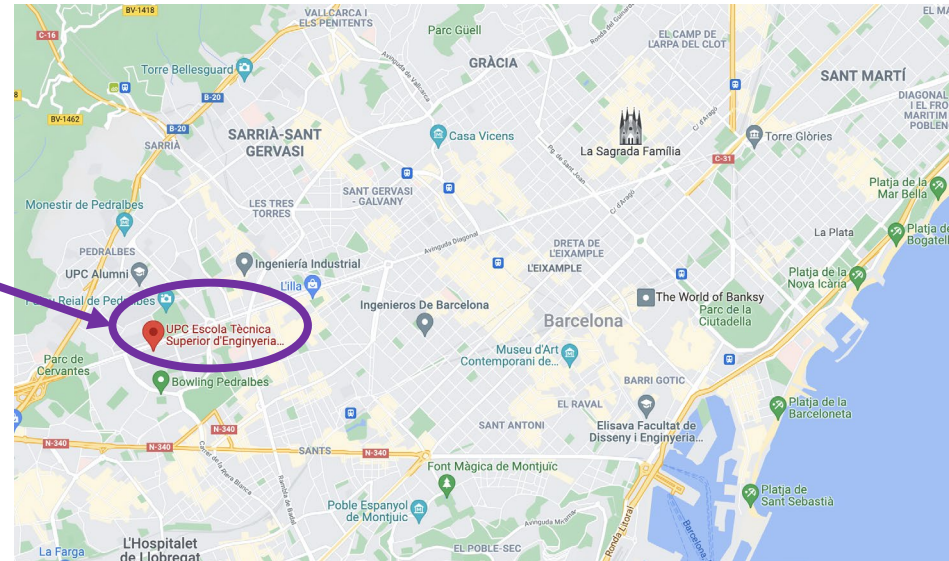
UNIVERSITAT POLITÈCNICA
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BARCELONATECH

29.812	3.523	2.074	65	84	45
estudiants	PDI	PAS	graus	màsters	programes de doctorat
18	275	19	348 M	72,7 M	70.151
centres docents	programes de formació permanent	patents el darrer any	pressupost 2023	ingressos per R+D+I (2021)	Alumni



16	Departments
2	Institutes
2	Bachelor degrees (GETI, GETIAE)
15	Master's programs
3379	Students
446	Teaching and Research Staff (PDI)
126	Administrative and Support Staff (PAS)





ETSEIB: Escola Tècnica Superior d'Enginyeria Industrial de Barcelona

Over 170 years of educating professionals with a very strong scientific and technical foundation

<https://etseib.upc.edu/>



ETSEIB Master's degree programmes



1. Master's degree in Neuroengineering and Rehabilitation (with UAB)
2. Master's degree in Biomedical Engineering (with UB)
3. Master's degree in Automatic Control and Robotics
4. Master's degree in Automotive Engineering
5. Master's degree in Management Engineering
6. Master in Nuclear Engineering / EMINE
7. Master in Electric Power Systems and Drives
8. Master in Thermal Engineering / DENSYS
9. **Master in Energy Engineering / MSc Programmes in Energy InnoEnergy**



ETSEIB Double Degree programmes



Master's degree in Industrial Engineering

+

Master's degree in Automatic Control and Robotics

Master's degree in Automotive Engineering

Master's degree in Management Engineering

Master in Energy Engineering

Master in Nuclear Engineering /EMINE



How to apply

(<https://etseib.upc.edu/en/Academic%20programmes/academic-procedures/acces/application-msc-programmes>)

- **Application**
Deadline: 13th of May 2024
- **Acceptance (Academic Commission)**
June 2024
- **Provisional listing of accepted students**
Before the end of June 2024
- **Students' acceptance**
Up to 7 days from the publication of the listing
- **Definitive listing of accepted students**
Mid-July 2024
- **Enrolment**
Check information at website etseib.upc.edu



How to apply

(<https://etseib.upc.edu/en/Academic%20programmes/academic-procedures/acces/application-msc-programmes>)

How to apply:

Apply **UPC Admissions:**

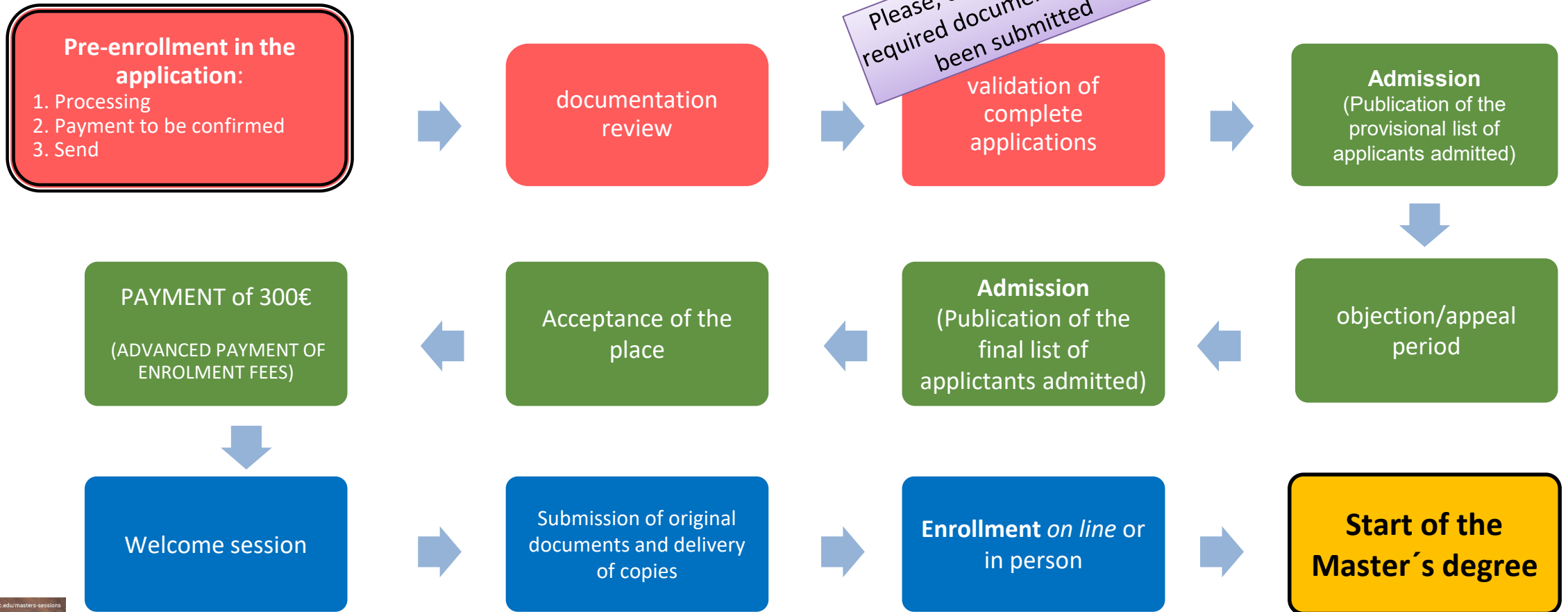
[Application](#)

To validate the request, it is necessary to complete the information for every field:

- Personal data
- Academic details
- Required documentation [Required documents](#)
- Application (*) (choose 3 specialty options for the master required)
- Data protection
- Pre-enrolment fees (General information about UPC" on this [page](#))



Admission and enrollment process



... further information

FAQ's

Check the most frequently asked questions in [this document](#) .

International Relations and Admissions Office

Face-to-face opening office hours:

from Monday to Friday 11 am to 1:30 pm

and Tuesday 3.00 pm to 17.30 pm

Information request: <https://demana.upc.edu/etseib/>

 +34 93 401 59 27



Master in Energy Engineering



120 ECTS (2 years)
60 seats (30 linked to InnoEnergy masters)

Main admission profiles: BSc in Industrial Technologies (mechanical, electrical, energy, chemical).

Secondary profiles: for other degrees, the need for additional training is assessed on a case-by-case basis.

Admission criteria

- English level B2.2 and Spanish level B2 are required (foreign students; not applicable in the case of courses taught in English).
- Academic record.
- First degree and university of origin.
- Professional experience

Objectives:

- Train professionals being able to face challenges related to energy: resources, production technologies, energy transport and distribution, environmental impact, efficiency, saving and rational use of energy.

Mode: face-to-face.

Language: All mandatory courses and most of electives courses are given in English.



Program structure:

S1: 20 compulsory ECTS + 10 optional ECTS

S2: 15 compulsory ECTS + 15 optional ECTS

S3: 30 optional ECTS

S4: 30 ECTS Final Master Thesis

This master's degree has received the mention "**International Master's Programme**", which is awarded by the Agency for Management of University and Research Grants (AGAUR) of the Generalitat de Catalunya.

Specializations:

- Renewable Energie
- Electric energy
- Thermal Energy
- Energy management

You must have completed a minimum of 30 ECTS of the specialty in order to obtain a mention in your diploma.

Possibility of:

- Mobility
- Internships in a company (15 ECTS) - Q2 and Q3
- Recognition of professional experience

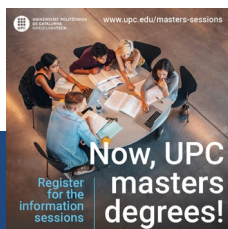


Career opportunities:

Energy management, energy audits, energy planning, energy economy, technological development and exploitation of energy systems, social and environmental impacts of energy systems.

This master's is part of the **InnoEnergy educational project** with the following international master's programs:

- Environmental Pathways for Sustainable Energy Systems (SELECT)
- Renewable Energy (RenE)
- Smart Cities
- Smart Electrical Networks and Systems (SENSE)



Double master degree: MUEI-MUEE

<https://estudis.etseib.upc.edu/ca/degree/1437>

Q1
35 ECTS

Q2
35 ECTS

Q3
35 ECTS

Q4
35 ECTS

Q5 (TFM)
42 ECTS

Total:
182 ECTS





InnoEnergy
Knowledge Innovation Community

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a l'ETSEIB
MÀSTERS



<https://www.innoenergy.com/for-students/master-school/>



Master's in Renewable Energy - RENE



Master's in Sustainable Energy Systems - SELECT



Master's in Smart
Electricity Networks
- SENSE



Master's in Energy
for Smart Cities



ETSEIB

Escola Tècnica Superior
d'Enginyeria Industrial de Barcelona

**Escola de referència:
Formació i recerca
de màxim nivell
científic i tecnològic.**



Thank you for your attention

admissions.etseib@upc.edu

