Master's degree in Engineering Physics

The master's degree in Engineering Physics is oriented towards frontier engineering based on advanced education in physics. Specialist engineering fields such as nanotechnology, nanoelectronics and biomedical engineering require an ever-growing number of professionals who have extensive training in advanced physics and sound knowledge of quantum physics, complex system physics and device physics, which can be applied both at the nanoscopic scale and in large-scale facilities.

Applicants must prove that they have a bachelor's degree in Physics or Engineering Physics and that they have passed 240 ECTS credits.

GENERAL DETAILS

Duration and start date
One academic year, 60 ECTS credits. Starting September

Timetable and delivery
Face-to-face

Fees and grants
Approximate fees for the master's degree, excluding academic fees and degree certificate fee, €3,147 (€4,720 for non-EU residents).
More information about fees and payment options
More information about grants and loans

Language of instruction
English

Official degree
In process of verification by the Council of Universities.

ADMISSION

General requirements
Academic requirements for admission to master's degrees

Specific requirements
Applicants must prove that they have a bachelor's degree in Physics or Engineering Physics and that they have passed 240 ECTS credits.

Places
30

Pre-enrolment
Pre-enrolment closed (consult the new pre-enrolment periods in the academic calendar).
How to pre-enrol

Enrolment
How to enrol

Legalisation of foreign documents
All documents issued in non-EU countries must be legalised and bear the corresponding apostille.

PROFESSIONAL OPPORTUNITIES
Professional opportunities

- Industry that invests heavily in technological development.
- Basic and applied research centres.
- Frontier engineering in the field of nanotechnology.
- Research centres and large-scale facilities, as a qualified specialist.
- Doctoral training in research centres and universities.

Competencies

Generic competencies

Generic competencies are the skills that graduates acquire regardless of the specific course or field of study. The generic competencies established by the UPC are capacity for innovation and entrepreneurship, sustainability and social commitment, knowledge of a foreign language (preferably English), teamwork and proper use of information resources.

ORGANISATION

UPC school

Barcelona School of Telecommunications Engineering (ETSETB)

Academic coordinator

Jordi Boronat

Academic calendar

General academic calendar for bachelor's, master's and doctoral degrees courses

Academic regulations

Academic regulations for master's degree courses at the UPC

February 2018. UPC. Universitat Politècnica de Catalunya · BarcelonaTech