

# UPC

# The leading university for Engineering, Architecture, Sciences and Technology

# Innovation, talent and technology

# Shanghai Academic Ranking of World Universities, 2018

Among the 700 best universities in the world.

# Shanghai Global Ranking of Academic Subjects, 2018

Among the 50 best universities in the world in Instruments Science and Technology, Telecommunication Engineering, Remote Sensing and Electrical and Electronic Engineering.

Among the 75 best universities in the world in Civil Engineering and Water Resources.

Among the 100 best universities in the world in Automation and Control, Computer Science and Engineering and Transportation Science and Technology.

## QS World University Rankings, 2018-2019

Among the 275 best universities in the world and 120th in Europe.

## QS Top 50 Under 50, 2018-2019

Among the 30 best universities in the world and 8th in Europe.

# QS World University Rankings by Subject, 2019

The UPC Worldwide

708 higher education institutions with student

49 international double-degree agreements with

exchange agreements

2,997 students on international mobility programmes

Among the 25 best universities in the world and 8th in Europe in Civil and Structural Engineering.

Among the 30 best universities in the world and 11th in Europe in Architecture and the Built Environment.

Among the 85 best universities in the world and 25th in Europe in Engineering and Technology.

Among the 100 best universities in the world in Telecommunications, Electrical and Electronic Engineering; Industrial Engineering; Mechanical, Aeronautical and Manufacturing Engineering; and Art and Design.

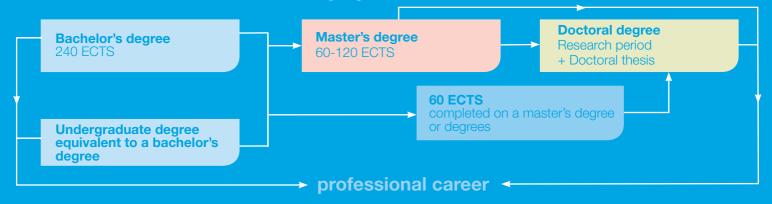
## **THE World University Rankings, 2018**

Among the 600 best universities in the world.

## **QS Best Student Cities, 2018**

Barcelona, the best Spanish city for international students.

## The structure of university qualifications



# A range of learning

64 bachelor's degrees

68 master's degrees 27 taught in English

46 doctoral programmes

# **UPC Community**

27,966 bachelor's and master's degree students

2,189 doctoral degree students

**58,200** UPC alumni

3,093 teaching and research staff

# Apply for a place on a master's degree at the UPC

1

Consult the official master's degrees taught at the UPC on the web page www.mastersdegrees.upc.edu

2

The master's degrees are grouped by **subject areas**: click on the ones you are interested in and consult the master's programmes on offer. 3

For each master's degree you will find a file containing information on the programme, including a description, the curriculum, the start date and duration, the language of instruction, timetables, fees and specific grants, the number of places available, professional opportunities, etc.

4

Check that you meet the **requirements for admission** to the master's degree you wish to study. 5

Find out about **pre-enrolment dates** for the master's degree and the **documents you will need** to apply for admission (your degree, academic record, language certificates, etc.).

6

When you have decided on a master's degree, you will find a link to the application that will allow you to **pre-enrol**. You will have to register for the application and use a valid e-mail address as your username. You will then receive a password that will enable you to get in to the application.

7

You will have to fill in your personal details and the academic information required, attach the supporting documents and then **submit your application** for administrative and academic review.

8

You will be asked to pay a fee of €30.21 for this **review service**. The fee applies to all pre-enrolments for master's degrees organised by the UPC.

9

Consult the status of your application for admission at any moment via the application.

10

On the date specified, you will receive an e-mail informing you of whether you have been admitted to the master's degree.

11

Once you have been informed that you have been admitted, you must accept the place in the pre-enrolment application and pay a fee of €300 to reserve the place. This fee will be deducted from the total enrolment fee when you enrol. If a body that has signed an agreement with our university has awarded you a grant that implies that we have to charge them directly for your enrolment fee, please let us know and we will confirm whether you should pay the €300 fee. We currently have agreements with BEC.AR (Argentina), CSC and CAS (China), BOLASHAK (Kazakhstan), CONACYT (Mexico), MESCYT (Dominican Republic), PRONABEC (Peru), SENESCYT (Ecuador), Fundación Carolina and other institutions.

12

Once the academic committee of the master's degree has reviewed your application you will receive an e-mail informing you whether you have been admitted.

## **MASTER'S DEGREES**

## www.mastersdegrees.upc.edu

#### **Access requirements**

- Holders of a Spanish official university qualification or an official university qualification issued by a university that belongs to the European Higher Education Area (EHEA) that qualifies the holder for admission to a master's degree.
- Holders of a qualification issued by a university in a country that does not belong to the EHEA but that has, by a homologation procedure, been deemed to be equivalent to a Spanish qualification that qualifies the holder for admission to a university master's degree. If the qualification has not been homologated, the UPC will verify that the course of study corresponds to a level of education equivalent to an official Spanish university degree and that the qualification obtained would provide admission to a master's degree in the country in which it was awarded. This access route in no way implies the homologation of the qualification or its recognition for any purpose other than admission to the master's degree. The master's degree will, however, be fully and legally valid.

## **Admission requirements**

In addition to the general requirements, specific admission requirements and criteria may be set for given master's degrees. These specific conditions may include specific access qualifications, requisites for academic records and language and bridging course requirements. The selection process may also include an examination and an appraisal of the candidate's CV. Further information is available on the master's degree websites.

#### **Pre-enrolment**

There are two pre-enrolment periods: January to July (for the autumn semester) and October to December (for the spring semester). Find out more about admissions, pre-enrolment, enrolment and fees: www.mastersdegrees.upc.edu

## Fees, grants and financial aid

Enrolment fees for master's degrees range from €41.17 to €65.87 per credit, depending on the course (master's degrees may have a total study load of 60, 90 or 120 ECTS credits). These fees are valid for the 2018-2019 academic year.

Fees for non-residents who are not EU nationals are 1.5% higher than the standard price per credit: €77.19 (academic year 2018-2019). In the specific case of Erasmus Mundus master's, fees are set by the consortium of universities responsible for organising each programme. For further information, consult the master's degree website. Successful candidates must pay a fee of €300 to confirm admission and reserve their place on the course. This amount will be deducted from the enrolment fee when you officially enrol. Find out about grants and financial aid and other ways of funding

Find out about grants and financial aid and other ways of funding master's degree study:

www.upc.edu/en/masters/fees-grants

#### Languages

Master's degrees are taught in Catalan, Spanish or English, depending on the students' language levels and the learning objectives of each course. For further information contact the person in charge of the master's degree by e-mail.

www.mastersdegrees.upc.edu

## **DOCTORAL PROGRAMMES**

## www.doctorat.upc.edu/en

## **Access requirements**

Access to doctoral programmes is open to candidates who meet the following condition:

 Holders of a Spanish official bachelor's degree (or equivalent) and master's degree.

The following candidates will also be considered:

- Holders of a qualification issued by a university in a country that does not belong to the European Higher Education Area (EHEA). If the qualification has not been homologated, the UPC will verify that the course of study corresponds to a level of education equivalent to an official Spanish master's degree and that the qualification obtained would provide admission to a doctoral programme in the country in which it was awarded. This access route in no way implies the homologation of the qualification or its recognition for any purpose other than admission to the doctoral programme.
- Holders of a Spanish official university qualification or an official university qualification issued by a university that belongs to the EHEA that qualifies the holder for admission to a master's degree, who have completed at least 300 ECTS credits in official university studies, including at least 60 credits of an official master's degree.
- Holders of a Spanish official bachelor's degree with a total study load of at least 300 ECTS credits. Candidates wishing to be admitted via this route will be required to complete bridging courses, unless the curriculum of the bachelor's degree in question included the same number of research training credits as required in a master's degree course.
- Holders of an official university qualification who, having passed the entrance examination for specialised medical training, have completed at least two years of a training course leading to an official degree in a health-sciences specialisation.
- Holders of a Spanish doctoral qualification issued under previous university regulations.

Specific conditions apply to holders of an official university qualification awarded under previous regulations: pre-EHEA degree (llicenciatura/ licenciatura), engineering degree (enginyeria/ingeniería), architecture degree (arquitectura/arquitectura). In these cases, the academic committee of the doctoral programme will be responsible for determining whether the candidate meets the access requirements and may set additional bridging courses.

www.doctorat.upc.edu/en/new-students/access-requeriments

## **Admission**

Candidates may request admission to a doctoral programme at any point in the academic year via the Doctoral School website. The selection process includes an appraisal of the candidate's previous studies, full CV listing research experience and publications, grants and financial aid received for previous studies, interest in the programme, and any other merits deemed relevant.

www.doctorat.upc.edu/en/new-students/admission

#### Fees, grants and financial aid

The Government of Catalonia passes a decree establishing the fees for academic services at public universities each academic year. Fees for doctoral programmes are those applicable to public universities in Spain. For the 2018-2019 academic year, they did not exceed €600. In the specific case of Erasmus Mundus joint doctorates, fees are set by the consortium of universities responsible for organising each programme. Find out about grants and financial aid and other ways of funding doctoral study: www.doctorat.upc.edu/en/grants

#### **Industrial Doctorates**

The UPC participates in the Industrial Doctorates Plan promoted by the Government of Catalonia, by means of which doctoral candidates train as researchers within the framework of a strategic research project at a company.

## **2019-2020 MASTER'S DEGREES**

\* Master's degree taught entirely in English.

| Aeroespace Engineering Field   |   | contact  |  |
|--|---|--|--|
| Aeroespace Engineering<br>Specialisations: Aerospace Vehicles / Airports / Propulsion / Spac   | 2 academic years / 120 ECTS   | admissions.eseiaat@upc.edu   |  |
| Aerospace Science and Technology (MAST)*   | 1.5 academic year / 90 ECTS   | master.aerospace@upc.edu   |  |
| pplications and Technologies for Unmanned  |   |  |  |
| ircraft Systems (Drones)*  | 1 academic year / 60 ECTS   | med.eetac@upc.edu  |  |
| pace and Aeronautical Engineering*   | 1 academic year / 60 ECTS   | admissions.eseiaat@upc.edu   |  |
| Applied Sciences Field   |   |  |  |
| Advanced Mathematics and Mathematical Engineering (MAMME)*   | 1 academic year / 60 ECTS   | director.mamme.fme@upc.edu   |  |
| Atomistic and Multiscale Computational Modelling n Physics, Chemistry and Biochemistry   | 1 academic year / 60 ECTS   | i.moreira@ub.edu   |  |
| Computer Vision*   | 1 academic year / 60 ECTS   | masters@etsetb.upc.edu   |  |
| ingineering Physics*   | 1 academic year / 60 ECTS   | master.engineering.physics@etsetb  | o.upc.edu                                    |
| Occupational Health and Safety   | 1.5 academic year / 90 ECTS   | master.univ.prl@upc.edu  |  |
| Photonics*   | 1 academic year / 60 ECTS   | master.photonics@etsetb.upc.edu  |  |
| Pure and Applied Logic*  | 1.5 academic year / 90 ECTS   | rafel.farre@upc.edu  |  |
| Statistics and Operations Research (MESIO UPC-UB)  | 1.5 academic year / 90 ECTS   | director.mesio.fme@upc.edu   |  |
| irasmus Mundus / Photonics Engineering, lanophotonics and Biophotonics (Europhotonics)*  | •   |  |  |
|  | 2 academic years / 120 ECTS   | master.photonics@etsetb.upc.edu  |  |
| Architecture, Urbanism and Build   | <u> </u>  |  |  |
| dvanced Building Construction  | 1.5 academic year / 90 ECTS   | master.univ.edificacio@upc.edu   |  |
| dvanced Studies in Architecture-Barcelona (MBArch)   | 1 academic year / 60 ECTS   | secretaria.etsab@upc.edu   |  |
| Specialisations: Architectural Restoration and Rehabilitation / Arc<br>Innovation in Architecture / Theory, History and Culture / Urban a  | chitecture, Energy and Environment / Co.  | ntemporary Design* / Process, Design and Plation / Urbanism  | rogramming / Technologi                      |
| Advanced Studies in Design-Barcelona (MBDesign)  | 1 academic year / 60 ECTS   | secretaria.etsab@upc.edu   |  |
| Specialisations: Art Direction in Design / Contemporary Design /   | Design. Innovation and Technology / Des   | sian Research / Industrial Desian Engineering  | 1  |
| rchitecture. Barcelona Campus  | 1 academic year / 60 ECTS   | secretaria.etsab@upc.edu   |  |
| rchitecture. Sant Cugat del Vallès Campus  | 1 academic year / 60 ECTS   | marg@etsav.upc.edu   |  |
| Building Construction Management   | 1.5 academic year / 90 ECTS   | master.univ.gestio.edificacio@upc.o  | edu  |
| andscape Architecture (MBLandArch)   | 2 academic years / 120 ECTS   | secretaria.etsab@upc.edu   | Juu  |
| Sustainable Intervention   | z adademie years / 120 2010   | georetaria.etsab@upe.edu   |  |
| n the Built Environment (MISMeC)   | 1 academic year / 60 ECTS   | mismec@etsav.upc.edu   |  |
| Biosystems and Agri-Food Engine  | eering Field  |  |  |
| Agricultural Engineering   | 1.5 academic year / 90 ECTS   | estanislau.fons@udl.cat  |  |
| Aquaculture  | 1 academic year / 60 ECTS   | esab.info@upc.edu / lourdes.reig@  | upc.edu                                      |
| nabling Technologies for the Food  |   |  |  |
| ,  | 1 academic year / 60 ECTS   | esab.info@upc.edu / merce.ravento  | os@upc.eau                                   |
| Civil Engineering Field  | 4.5   |  |  |
| Ca <mark>rtographic and Geog</mark> raphic Engineering   | 1.5 academic year / 90 ECTS   | master.univ.cartografia.epseb@upc  |  |
| Civil Engineering Specialisations: Computational Engineering / Environmental Engi Engineering and Urbanism / Water Engineering   | 2 academic years / 120 ECTS<br>ne <mark>ering and Sustainability /</mark> Geotechnica | admissions.masters.camins@upc.edu<br>al Engineering / Structural Engineering and Co                        | / miquel.estrada@upc.onstruction / Transport |
| Geotechnical Engineering   | 2 academic years / 120 ECTS   | admissions.masters.camins@upc.edu  | / jean.vaunat@upc.e                          |
| Specialisations: Geotechnical Engineering / Groundwater Hydrological   | <mark>ogy / Earthquake Engine</mark> ering and Geopl                                  |  |  |
| Mining Engineering   | 1.5 academic year / 90 ECTS   | infomasters.manresa@epsem.upc.   |  |
| Numerical Methods in Engineering*  | 2 academic years / 120 ECTS   | admissions.masters.camins@upc.edu  |  |
| Oceanography and Marine Management   | 1 academic year / 60 ECTS   | jose.jimenez@upc.edu / agustin.ard<br>genoveva.comas@upc.edu   | cilla@upc.edu /                              |
| Structural Analysis of Monuments and Historical Constructions (SAHC)*  | 1 academic year / 60 ECTS   | admissions.masters.camins@upc.e  | edu.   |
| Structural and Construction Engineering  | 1.5 academic year / 90 ECTS   | admissions.masters.camins@upc.edu / j  |  |
| 9 9  | •   | <u> </u>   | esus.miguei.bairan@upc                       |
| Supply Chain, Tr <mark>ansport and Mobility Management</mark><br>Specialisations: Supply Chain Management / Transpo <mark>rt and Mobi</mark>   | 2 academic years / 120 ECTS  lity Management  | escola.etseib@upc.edu  |  |
| Erasmus Mundus / Coastal and Marine Engineering and Management (CoMEM)*  Specialisations: Arctic Marine Coastal Engineering / Coasta | 2 academic years / 120 ECTS   | admissions.masters.camins@upc.ecesar.mosso@upc.edu / agustin.ard / Environment and Management / Marine Ope | cilla@upc.edu                                |
| rasmus Mundus / Flood Risk Management*   | 2 academic years / 120 ECTS   | admissions.masters.camins@upc.e  |  |
| Frasmus Mundus / Hydroinformatics and Water  | 2 academic years / 120 ECTS   | admissions.masters.camins@upc.e  |  |
| Management (Euroaquae+)*   |   | •  |  |
| Health Sciences and Technology   |   |  |  |
| Biomedical Engineering   | 1 academic year / 60 ECTS   | montserrat.vallverdu@upc.edu   |  |
| Optometry and Vision Sciences  | 1 academic year / 60 ECTS   | info.muocv.foot@upc.edu  |  |

| Engineering for Industry Field  |   | contact   |
|---|---|---|
| Advanced Materials Science and Engineering  | 2 academic years / 120 ECTS   | masters.eebe@upc.edu  |
| Advanced Studies in Design-Barcelona (MBDesign)   | 1 academic year / 60 ECTS   | secretaria.etsab@upc.edu  |
| Specialisations: Art Direction in Design / Contemporary Design /<br>Automatic Control and Robotics*   | 2 academic years / 120 ECTS   | escola.etseib@upc.edu   |
| Automatic Systems and Industrial Electronics  | z academic years / 120 LO13   | escola.etselb@upc.edu   |
| Engineering (MUESAEI). Terrassa Campus<br>Specialisations: Advanced Production and Automation Technolo  | 1.5 academic year / 90 ECTS   | admissions.eseiaat@upc.edu  |
|   | ogies / Optimal Manágement of Electrical  | Energy '  |
| Automatic Systems and Industrial Electronics  | 1 F / 00 FOTO   |   |
| Engineering (MUESAEI). Vilanova i la Geltrú Campus<br>Specialisation: Intelligent Systems   | 1.5 academic year / 90 ECTS   | academica.epsevg@upc.edu  |
| Automotive Engineering  | 2 academic years / 120 ECTS   | escola.etseib@upc.edu   |
| Automotive Engineering<br>Specialisation: Connected Vehicles and Assisted Driving / Electr  | romobility / Engines and Mechanics  | •   |
| Biomedical Engineering  | 1 academic year / 60 ECTS   | montserrat.vallverdu@upc.edu  |
| Chemical Engineering*<br>Specialisations: Green Chemical Process Engineering / Smart P  | 2 academic years / 120 ECTS   | masters.eebe@upc.edu  |
| Energy Engineering, InnoEnergy  | 2 academic years / 120 ECTS   | escola.etseib@upc.edu   |
| Specialisations: Electrical Energy / Energy Management / Renev  | vable Energies / Thermal Energy   | 5555.a.5.5555apo.caa  |
| ndustrial Engineering. Barcelona Campus   | 2 academic years / 120 ECTS   | escola.etseib@upc.edu   |
| Specialisations: Automatic Control / Biomedical Engineering / C<br>Scheduling / Materials / Mechanics   | hemistry / Construction and Structures /  | Electrical Engineering / Electronic Engineering / Energy / Industria  |
| ndustrial Engineering. Terrassa Campus  | 2 academic years / 120 ECTS   | admissions.eseiaat@upc.edu  |
| Specialisations: Construction and Structures / Electrical Engineer  | ering / Fibrous Biomaterials / Industrial Sc  | cheduling / Mechanics / Technical Textiles and Mulltifunctional   |
| Structures / Thermal Energetics   | 2 goodomic years / 120 ECTS   | masters.eebe@upc.edu  |
| nterdisciplinary and Innovative Engineering*<br>Specialisations: Advanced Manufacturing Systems / Efficient Sy  | stems / Healthcare and Biomedical Appli   | cations   |
| Management Engineering. Barcelona Campus  | 2 academic years / 120 ECTS   | escola.etseib@upc.edu   |
| Management Engineering. Terrassa Campus   | 2 academic years / 120 ECTS   | admissions.eseiaat@upc.edu  |
| luclear Engineering*. InnoEnergy  | 1.5 academic year / 90 ECTS   | escola.etseib@upc.edu   |
| Supply Chains, Transport and Mobility Specialisations: Supply Chain / Transport and Mobility  | 2 academic years / 120 ECTS   | escola.etseib@upc.edu   |
|   | 1 F goodomic year / 00 FCTS   | admissions escipat@upo edu  |
| echnology and Engineering Management* Extile and Paper Engineering  | 1.5 academic year / 90 ECTS 1.5 academic year / 90 ECTS   | admissions.eseiaat@upc.edu admissions.eseiaat@upc.edu   |
| rasmus Mundus / Advanced Materials Science  | 1.5 academic year / 90 ECTS   | aumissions.eseiaat@upc.euu  |
| nd Engineering (AMASE)*   | 2 academic years / 120 ECTS   | masters.eebe@upc.edu  |
|   | ,   | '   |
| nformatics Engineering Field  |   |   |
| Artificial Intelligence*  | 1.5 academic year / 90 ECTS   | info.masters@fib.upc.edu  |
| Cartographic and Geographic Engineering   | 1.5 academic year / 90 ECTS   | master.univ.cartografia.epseb@upc.edu   |
| nformatics Engineering  | 1.5 academic year / 90 ECTS   | info.masters@fib.upc.edu info.masters@fib.upc.edu d Distributed Systems / Data Science and Business Intelligence /  |
| nnovation and Research in Informatics (MIRI)*   | 2 academic years / 120 ECTS   | Into.masters@tib.upc.edu  |
| High Performance Computing / Service Engineering  | Wittaar reality / Compater Networks and   | Distributed dysterns / Data delende and Business intelligence /   |
| rasmus Mundus / Big Data Management   | 2 academic years / 120 ECTS   | info.masters@fib.upc.edu  |
| and Analytics (BDMA)*<br>Specialisations: Business Process Analytics / Content and Usage  | Analytics / Large Cools Data Analytics  |   |
|   |   |   |
| Telecommunications Engineering  | ı Field   |   |
| Advanced Telecommunication Technologies*  | 1 academic year / 60 ECTS   | masters@etsetb.upc.edu  |
| Applications and Technologies for Unmanned  | ,   | '   |
| Aircraft Systems (Drones)*  | 1 academic year / 60 ECTS   | med.eetac@upc.edu   |
| Applied Telecommunications  | 1 / CO FOTO   |   |
| nd Engineering Management (MASTEAM)*  | 1 academic year / 60 ECTS   | eetac.mastertelecom@upc.edu   |
| Cartographic and Geographic Engineering   | 1.5 academic year / 90 ECTS   | master.univ.cartografia.epseb@upc.edu   |
| Electronic Engineering (MEE)*   | 2 academic years / 120 ECTS   | masters@etsetb.upc.edu  |
| elecommunications Engineering (IVLET)*  Specialisations: Antennas, Microwaves and Photonics for Comp  | 2 academic years / 120 ECTS<br>nunications and Farth Observation / Flect  | masters@etsetb.upc.edu<br>tronics / Fibre Ontic Communications / Internet Networks and  |
| elecommunications Engineering (MET)*<br>Specialisations: Antennas, Microwaves and Photonics for Comn<br>Technologies / Multimedia / Wireless Communications   | numerations and Earth Observation / Elect   | romes / Tibre optic communications / Internet Networks and  |
| Naval, Maritime and Nautical Eng  |   |   |
| · · · · · · · · · · · · · · · · · · ·   |   |   |
| Management and Operation of Marine Energy Facilities  |   | iechevarrieta@cen.upc.edu   |
| Nautical Science and Maritime Transport Management  | 1.5 academic year / 90 ECTS<br>2 academic years / 120 ECTS  | mcastells@cen.upc.edu   |
|   |   | info@fnb.upc.edu  |
| laval Architecture and Ocean Engineering Specialisations: Vacht and Pleasure Craft Design / Ocean Energy  | ies   |   |
| Specialisations: Yacht and Pleasure Craft Design / Ocean Energi   | ies   |   |
| Specialisations: Yacht and Pleasure Craft Design / Ocean Energi   | ies   | es Field  |
| Specialisations: Yacht and Pleasure Craft Design / Ocean Energon The Environment, Sustainability a  | ies   | es Field admissions.masters.camins@upc.edu  |
| Specialisations: Yacht and Pleasure Craft Design 7 Ocean Energon The Environment, Sustainability and Environmental Engineering  | ies<br>Natural Resource   |   |
| Specialisations: Yacht and Pleasure Craft Design 7 Ocean Energy The Environment, Sustainability a Environmental Engineering Natural Resources Engineering   | nnd Natural Resource 2 academic years / 120 ECTS  | admissions.masters.camins@upc.edu   |
| Specialisations: Yacht and Pleasure Craft Design 7 Ocean Energy  The Environment, Sustainability a  Environmental Engineering  Natural Resources Engineering  Sustainability Science and Technology   | ies  And Natural Resource 2 academic years / 120 ECTS 1 academic year / 60 ECTS 2 academic years / 120 ECTS   | admissions.masters.camins@upc.edu infomasters.manresa@epsem.upc.edu   |
| Specialisations: Yacht and Pleasure Craft Design 7 Ocean Energy The Environment, Sustainability a Environmental Engineering Valuarial Resources Engineering Sustainability Science and Technology Sustainable Intervention in the Built Environment (MISMeC   | ies  And Natural Resource  2 academic years / 120 ECTS  1 academic year / 60 ECTS  2 academic years / 120 ECTS  C) 1 academic year / 60 ECTS  | admissions.masters.camins@upc.edu<br>infomasters.manresa@epsem.upc.edu<br>mcts.is.upc@upc.edu   |
| The Environment, Sustainability as Environmental Engineering Natural Resources Engineering Sustainability Science and Technology Sustainable Intervention in the Built Environment (MISMeCTeacher Training and Gender Student   | ies  And Natural Resource  2 academic years / 120 ECTS  1 academic year / 60 ECTS  2 academic years / 120 ECTS  C) 1 academic year / 60 ECTS  | admissions.masters.camins@upc.edu<br>infomasters.manresa@epsem.upc.edu<br>mcts.is.upc@upc.edu<br>mismec@etsav.upc.edu   |
| Fine Environment, Sustainability and Pleasure Craft Design 7 Ocean Energy The Environment, Sustainability and Environmental Engineering Sustainability Science and Technology Sustainability Science and Technology Sustainable Intervention in the Built Environment (MISMed Teacher Training and Gender Studies Secondary and Upper Secondary Education.                  | ies  and Natural Resource 2 academic years / 120 ECTS 1 academic year / 60 ECTS 2 academic years / 120 ECTS C) 1 academic year / 60 ECTS dies Field                                 | admissions.masters.camins@upc.edu infomasters.manresa@epsem.upc.edu mcts.is.upc@upc.edu mismec@etsav.upc.edu info.master.secundaria@fib.upc.edu   |
| The Environment, Sustainability as Environmental Engineering Sustainability as Environmental Engineering Sustainability Science and Technology Sustainability Science and Technology Sustainable Intervention in the Built Environment (MISMed Teacher Training and Gender Studies Condary and Upper Secondary Education, Vocational Training and Foreign Language Teaching | ies  And Natural Resource  2 academic years / 120 ECTS  1 academic year / 60 ECTS  2 academic years / 120 ECTS  C) 1 academic year / 60 ECTS  dies Field  1 academic year / 60 ECTS | admissions.masters.camins@upc.edu infomasters.manresa@epsem.upc.edu mcts.is.upc@upc.edu mismec@etsav.upc.edu  info.master.secundaria@fib.upc.edu (Specialisations Technology and Vocational Training  |
| Specialisations: Yacht and Pleasure Craft Design 7 Ocean Energy The Environment, Sustainability a Environmental Engineering Natural Resources Engineering Sustainability Science and Technology Sustainable Intervention in the Built Environment (MISMed Teacher Training and Gender Students  | ies  And Natural Resource  2 academic years / 120 ECTS  1 academic year / 60 ECTS  2 academic years / 120 ECTS  C) 1 academic year / 60 ECTS  dies Field  1 academic year / 60 ECTS | admissions.masters.camins@upc.edu infomasters.manresa@epsem.upc.edu mcts.is.upc@upc.edu mismec@etsav.upc.edu  info.master.secundaria@fib.upc.edu (Specialisations Technology and Vocational Training coord.master.secundaria.matematiques@uab.cat |
| The Environment, Sustainability as Environmental Engineering Sustainability Science and Technology Sustainability Science and Technology Sustainabile Intervention in the Built Environment (MISMed Secondary and Upper Secondary Education, Vocational Training and Foreign Language Teaching  | ies  And Natural Resource  2 academic years / 120 ECTS  1 academic year / 60 ECTS  2 academic years / 120 ECTS  C) 1 academic year / 60 ECTS  dies Field  1 academic year / 60 ECTS | admissions.masters.camins@upc.edu infomasters.manresa@epsem.upc.edu mcts.is.upc@upc.edu mismec@etsav.upc.edu  info.master.secundaria@fib.upc.edu (Specialisations Technology and Vocational Training  |

# 2019-2020 DOCTORAL PROGRAMMES

Statistics and Operations Research

| Architecture Urbanism and Building Construction Field                             | contact                               |
|---|---------------------------------------|
| Architecture, Urbanism and Building Construction Field                            | contact                               |
| Architectural, Civil and Urban Heritage and Refurbishment of Existing Buildings   | secretariadoctorat.utgab@upc.edu      |
| Architectural Design  | secretariadoctorat.utgab@upc.edu      |
| Architecture, Energy and Environment  | secretariadoctorat.utgab@upc.edu      |
| Architectural, Building Construction and Urbanism Technology                      | secretariadoctorat.utgab@upc.edu      |
| Theory and History of Architecture  | secretariadoctorat.utgab@upc.edu      |
| Urban and Architectural Management and Valuation                                  | secretariadoctorat.utgab@upc.edu      |
| Urbanism  | secretariadoctorat.utgab@upc.edu      |
| Civil Engineering Field   |                                       |
| Civil Engineering   | doctorat.ec.camins@upc.edu            |
| Construction Engineering  | doctorat.ECO.camins@upc.edu           |
| Earthquake Engineering and Structural Dynamics                                    | doctorat.ESIS.camins@upc.edu          |
| Environmental Engineering   | doctorat.esis.camins@upc.edu          |
| Geotechnical Engineering  | doctorat.ET.camins@upc.edu            |
| Marine Sciences   | doctorat.CMAR.camins@upc.edu          |
| Nautical and Marine Engineering and Naval Radio-Electronics                       | antonio.isalgue@upc.edu               |
| Structural Analysis   | doctorat.AE.camins@upc.edu            |
| •   | dottoram incomposition                |
| Industrial Engineering Field  |                                       |
| Automatic Control, Robotics and Vision  | doctorat.arv@upc.edu                  |
| Biomedical Engineering  | doctorate.utgaeib@upc.edu             |
| Business Administration and Management  | doctorate.utgaeib@upc.edu             |
| Chemical Process Engineering  | doctorat.eebe@upc.edu                 |
| Electric Energy Systems   | doctorat.terrassa@upc.edu             |
| Electrical Engineering  | doctorate.utgaeib@upc.edu             |
| Materials Science and Engineering   | doctorat.eebe@upc.edu                 |
| Mechanical, Fluids and Aerospace Engineering                                      | doctorate.utgaeib@upc.edu             |
| Natural Resources and Environment   | toni.dorado@upc.edu                   |
| Nuclear and Ionising Radiation Engineering  | doctorate.utgaeib@upc.edu             |
| Polymers and Biopolymers  | doctorat.eebe@upc.edu                 |
| Supply Chain and Operations Management  | doctorat.scom.utgaeib@upc.edu         |
| Sustainability  | doctorat.sos.camins@upc.edu           |
| Textile and Paper Engineering   | doctorat.terrassa@upc.edu             |
| Thermal Engineering   | doctorat.terrassa@upc.edu             |
| Erasmus Mundus / Environomical Pathways for Sustainable Energy Services (SELECT+) | ignasi.casanova@upc.edu               |
|   |                                       |
| Information and Communication Technologies Engineering                            |                                       |
| Artificial Intelligence   | larrosa@cs.upc.edu                    |
| Bioinformatics  | direc.doctorat.bioinformatica@upc.edu |
| Computer Architecture   | xmasip@ac.upc.edu                     |
| Computing   | mjserna@cs.upc.edu                    |
| Electronic Engineering  | eel.coordoctorat@upc.edu              |
| Network Engineering   | responsable.doc-entel@entel.upc.edu   |
| Signal Theory and Communications  | cap.estudis@tsc.upc.edu               |
| Erasmus Mundus / Information Technologies for Business Intelligence (IT4BI – DC)  | aabello@essi.upc.edu                  |
| Sciences Field  |                                       |
| Aerospace Science and Technology  | doctorat.aeroespacial@upc.edu         |
| Agri-Food Technology and Biotechnology  | doctorateo.doo@upc.edu                |
| Applied Mathematics   | doctoma.fme@upc.edu                   |
| Computational and Applied Physics   | doctorat@fa.upc.edu                   |
| Optical Engineering   | doctorateo.doo@upc.edu                |
| Photonics   | training@icfo.es                      |
| Statistics and Operations Deceared  | iordi castro@una adu                  |

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# Study at the UPC

## **UPC** schools and accommodation

Most UPC schools are in Barcelona and nearby towns: Castelldefels, Manresa, Sant Cugat del Vallès, Terrassa and Vilanova i la Geltrú.

The UPC has made three platforms available to help international students look for accommodation: HousingAnywhwere, Uniplaces and ResaHousing. International students should visit the following web page for information on preparing for their stay at the UPC: www.upc.edu/sri/en/students/students-mobility-office

## **Visas**

Non-EU nationals whose visit exceeds three months must apply for a student visa—not a tourist visa—at the Spanish embassy or consulate in their home country. If the duration of the course of study in Spain is less than six months, the embassy may issue a student visa specifying 'for a course of study lasting a total of 180 days'. With this type of visa you will not be eligible for a student card and you will not be allowed to extend your stay. If the duration of the course of study in Spain is more than six months, the embassy may issue a long stay student visa. You must also take into account that many embassies and consulates may take a minimum of three months to issue a visa.

www.upc.edu/sri/en/students/students-mobility-office

## **Medical insurance**

Regarding medical insurance, **EU nationals** who are covered by the public health service must apply for the **European Health Insurance Card** in their home country before travelling.

Students from other countries must enquire whether there is an agreement between the healthcare systems of the home country and Spain. If there is such an agreement, you must apply in your home country for a certificate that allows you to benefit from public healthcare in Spain if you need emergency care. Please note that only medical emergencies are covered in this case and not any other medical problem.

In order to apply for a visa, the Spanish embassy or consulate will require you to have **private insurance** that covers any medical expense during your stay in Spain. The UPC recommends the insurance policy "OnCampus Estudia".

www.upc.edu/sri/en/students

## Fees, grants and financial aid

Find out all the options for grants, student financial aid and funding opportunities offered by the UPC and other public and private bodies.

www.upc.edu/en/masters/fees-grants

## Languages

The UPC offers you a range of services designed to help you to adapt to life in Barcelona, including language courses.

www.upc.edu/slt/en/reception

## **Further information**

Please check the International Students section of our website:

www.upc.edu/sri/en/students

## **Master's Degrees**

www.mastersdegrees.upc.edu +34 934 016 200 info@upc.edu

## **Doctoral Programmes**

www.doctorat.upc.edu/en +34 934 016 114 escola.doctorat@upc.edu

## **International Relations**

www.upc.edu/sri +34 934 137 505 international@upc.edu

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