



UNIVERSITAT POLITÈCNICA
DE CATALUNYA
BARCELONATECH

UPC

Universitat
Politècnica de Catalunya
BarcelonaTech

2019-2020
ACADEMIC YEAR





THE UPC NETWORK

The UPC is present across Catalonia, where it enjoys the embeddedness of its campuses in local communities. The campuses are located in the following cities: Barcelona, Sant Adrià de Besòs, Terrassa, Castelldefels, Vilanova i la Geltrú, Manresa and Sant Cugat del Vallès.

The University, as a transforming institution, has close ties with these cities and aims to improve the industrial fabric and drive social progress. Every year, the UPC organises a working session entitled “City and University” to discuss the interaction of campuses with their host cities.





LEADERS IN GRADUATE EMPLOYMENT OF A HIGH QUALITY

A year after graduating, 93% of UPC graduates are already in employment and 86% have taken less than six months to find a job. Most of them started their careers thanks to work placements, 96% of which were on a paid basis.

(Source: AQU Catalunya)

28,000

bachelor's and master's
degree students

2,200

doctoral candidates

2,000

administrative and service
staff

5,500

bachelor's and master's
degree graduates

59,000

alumni

3,100

teaching
and research staff

WE ARE UPC



18

schools

206

research groups

46

doctoral programmes

64

bachelor's degrees

67

master's degrees

2,900

lifelong learning
students

228

lifelong learning
programmes

654

new research
agreements
and projects

€58 M

income from
research,
development
and innovation
projects (2018)

€295 M

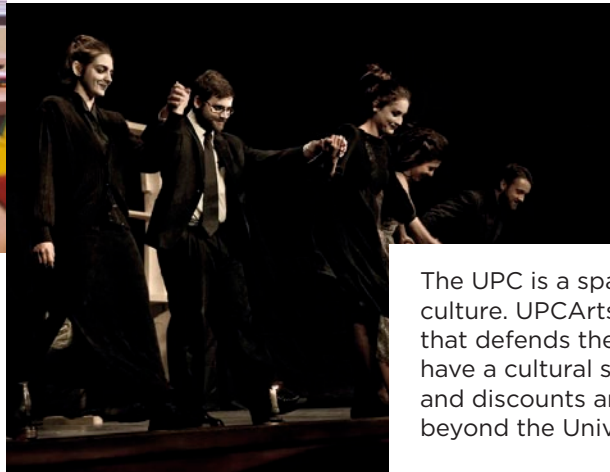
2019 budget



ENCOURAGING STEAM VOCATIONS AMONG WOMEN



The University promotes the presence of women in STEAM fields (science, technology, engineering, art and mathematics) through the Aquí STEAM programme, which seeks to encourage female professional role models in these fields and to reach out to boys and girls aged between 9 and 14. The idea is for girls especially to assimilate these role models naturally from the time they are in primary school.



UPCArts, THE CULTURAL SIDE OF THE UNIVERSITY

The UPC is a space for knowledge but also for culture. UPCAarts is the University's programme that defends the idea that science and technology have a cultural side. The programme offers perks and discounts and promotes scientific culture beyond the University's campuses.



UPC ALUMNI, A NETWORK AT THE SERVICE OF OUR GRADUATES

UPC Alumni is a community with some 60,000 members that promotes interaction among former students, through clubs and professional networks and for cross-disciplinary collaboration in areas such as development cooperation and the promotion of the professional transformation of women in technical fields.



RANKINGS

The UPC is ranked in the main international rankings. It is listed among of the world's top 150 young universities, that is, universities that are 50 years old or younger (Times Higher Education Young

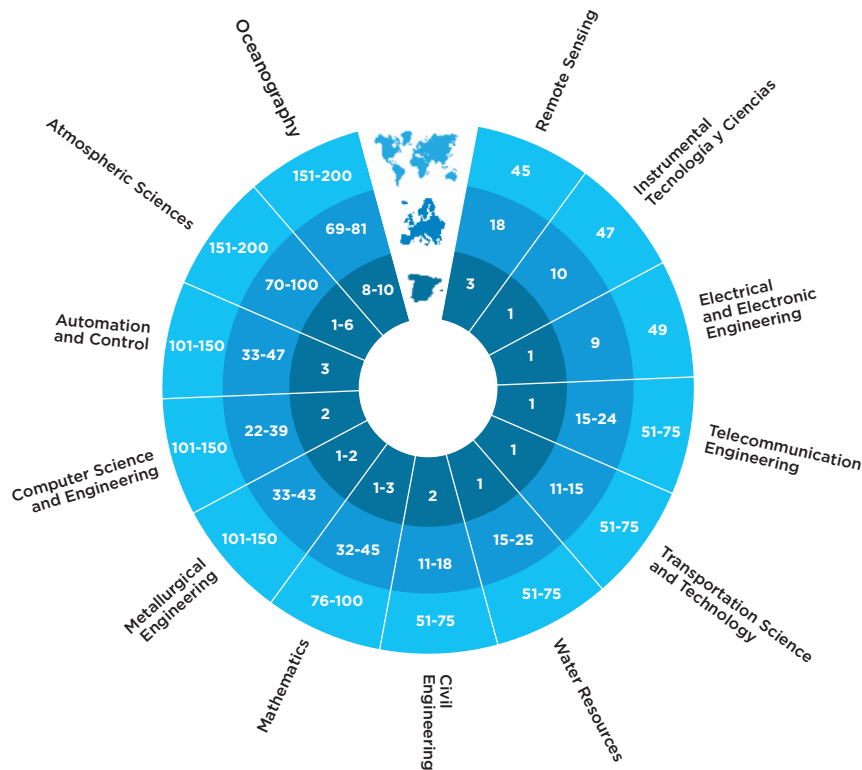
University Rankings). The UPC stands out in rankings by areas of knowledge, such as the Shanghai Ranking's Global Ranking of Academic Subjects and the QS World University Rankings by Subject.



Shanghai Global
Ranking of Academic
Subjects, 2019



QS World University
Rankings by Subject,
2019





**OUR GRADUATES
BECOME VALUED
PROFESSIONALS**



FOCUSING ON STUDENTS

83% of UPC graduates say that they would take their degree at the same university again. This is the result of our schools' unique approach to teaching, which places the student at the forefront and combines solid theoretical training with real projects and placements.

2,700

students on mobility programmes

4,600

students on work placement

5,500

bachelor's and master's degree graduates

300

doctoral degree graduates

30,200

bachelor's, master's and doctoral degree students

1,500

student exchange agreements with 708 higher education institutions

59,000

alumni



35 UPC students presented the sustainable home TO in the 2019 Solar Decathlon Europe.



The Barcelona School of Nautical Studies (FNB) has new facilities in the Espai Vela, in the Port of Barcelona, with mooring points, space for up to seven boats and a davit for raising and lowering the boats.



RESEARCH OF EXCELLENCE

A recreation of the rover that will explore Mars on the Mars 2020 mission. The Micro and Nanotechnology Research Group (MNT) participated in developing the wind sensor of the MEDA instrument on board the rover. Image: *NASA/JPL-Caltech*



AT THE FOREFRONT

The UPC is Spain's top university in raising funds for projects carried out during the first five years of the H2020 programme. Since the beginning of the programme in 2014, the UPC has participated in 173 projects and led 47 of them. This is just a fraction of the almost 700 projects that the University's research community launches every year. These research projects are boosted through partnerships with other research institutions around the world and are reflected in more than 2,000 papers published in leading journals every year.

The current MareNostrum 4 at the Barcelona Supercomputing Center - Centro Nacional de Supercomputación (BSC) is the predecessor of a new heterogeneous supercomputer, MareNostrum 5, which will be one of the three pre-exascale supercomputers in the high-performance computer network promoted by the European Commission.



2,000

papers published
in scientific journals

14

research centres in the
TECNIO network

157

scientific and technical
distinctions received

292

doctoral theses read

21

specific research
centres

15

associated research
entities



Student projects also contribute to the UPC's research activity. The Cosmic Research team, made up of students from the ESEIAAT, the ETSETB and the FIB, created a rocket to reach the boundary with outer space, 100 km above the Earth's surface.



FINDING SOLUTIONS TO THE CHALLENGES OF SOCIETY

A4CAT_TT

24-03-2017 23:45

protecció civil

Warnings Summary

Castellbisbal

Castellbisbal, Vallès Occidental, Barcelona, Catalunya, 08755, Espanya

Castellbisbal, BV-1501, Can Costa, Castellbisbal, Vallès Occidental, Barcelona, Catalunya, 08755, Espanya

Castellbisbal, BV-1501, Can Costa, Castellbisbal, Vallès Occidental, Barcelona, Catalunya, 08755, Espanya

1 2

10 SOL HAIRE

The Centre of Applied Research in Hydrometeorology (CRAHI) coordinates the European project ANYWHERE to develop a multi-hazard platform for anticipating risks stemming from extreme weather and climate phenomena before they occur. It will also allow the management of the response to emergency situations to be improved across Europe.

TRANSFER

Spin-offs, patents, agreements with companies and facilities for students to create their own companies: through its nine campuses, the UPC has woven a network to showcase the knowledge it generates, the aim of which is to transfer university activity to industry under the best possible conditions.

In recent years, the University has boosted its capacity for transferring knowledge by means of key transnational partnerships with companies and other universities and by involving both the public and private sectors. The UPC participates in the following knowledge and innovation communities (KIC) of the European Institute of Innovation and Technology: MOBILus (EIT Urban Mobility) and InnoEnergy. **MOBILus** is placing Barcelona at the forefront of urban mobility through a platform made up of 48 partners, including cities, companies, universities and research centres from 15 countries. **InnoEnergy** is a community aimed at fostering sustainable energy in Europe through industrial transformation, the creation of new companies and education.

Another key transfer project is **5GBarcelona**, a European 5G digital hub based on an open experimental infrastructure in the metropolitan area, which will serve as an urban laboratory for validating 5G technologies and services. In this project, the UPC partners with the Mobile World Capital Barcelona, the Government of Catalonia and the Barcelona City Council.

15

registered patents

14

technology-based
companies created

12

enterprise chairs

2,600

companies and bodies
with a collaboration
agreement



i2CAT will test and validate the new “neutral host” concept, which is part of the 5GCity European project within the framework of the 5GBarcelona digital hub.

The Emprèn facilities are laboratories to help students to build their own companies. They act as business incubators for the early stages of student entrepreneurship.



ON THE WORLD STAGE



ALLIANCES

Internationalisation is an integral part of the University's activity that increasingly permeates its actions. The UPC is present in 15 international networks and has a great number of strategic alliances with foreign universities that contribute to borderless education and translate into all kinds of projects on the world stage.

UP4

The alliance of the four Spanish technical universities: the Universidad Politécnica de Madrid, the Universidad Politécnica de Cartagena, the Universitat Politècnica de València and the Universitat Politècnica de Catalunya.

UNITE!

The Instituto Superior Técnico in Lisbon, Portugal; the Grenoble Institute of Technology in France; the Politecnico di Torino in Italy; the Technische Universität Darmstadt in Germany; the Royal Institute of Technology in Stockholm, Sweden; and Aalto University in Finland partner with the UPC in this project under the European Commission's European Universities Initiative, which is intended to attract and export talent beyond the European continent.

SINO-SPANISH CAMPUS

A university campus created with the Universidad Politécnica de Madrid at Tongji University, China.

THE UPC IN INTERNATIONAL NETWORKS

AUIP

Asociación Universitaria Iberoamericana de Postgrado

CASA

Consortium for Advanced Studies Abroad

CESAER

Conference of European Schools for Advanced Engineering Education and Research

CINDA

Interuniversity Centre for Development

CLUSTER

Consortium Linking Universities of Science and Technology for Education and Research

EUA

European University Association

GUNI

Global University Network for Innovation

Heritage

Magalhães

RedEmprendia

RMEI

Réseau Méditerranéen des Écoles d'Ingénieurs

TELESCOPI

Red de Observatorios de Buenas Prácticas de Dirección Estratégica Universitaria en Latinoamérica y Europa

T.I.M.E.

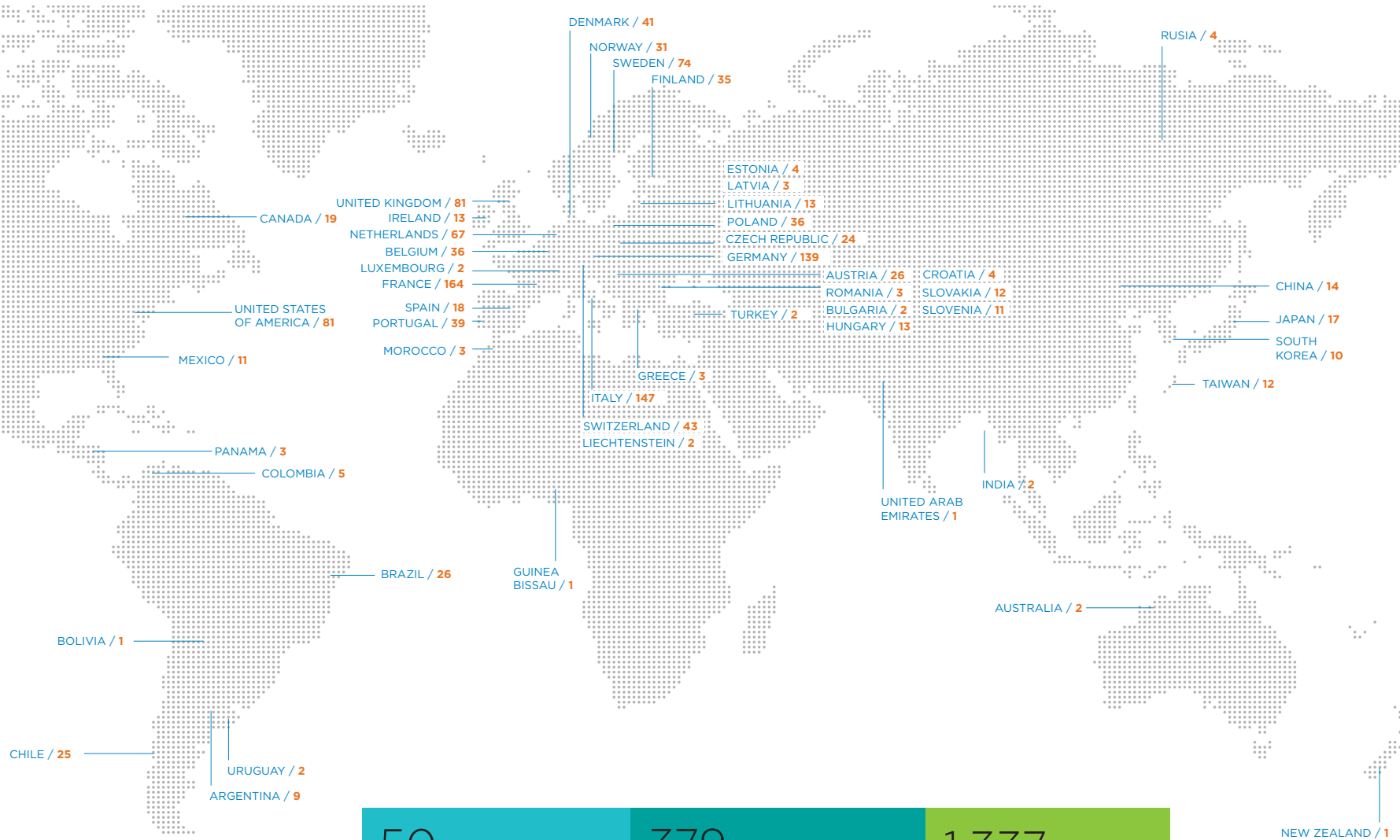
Top Industrial Managers for Europe

UNITECH International

Universia



2018-2019 OUTGOING STUDENTS BY RECEIVING COUNTRY



50

international double degree agreements with 32 universities

379

academic cooperation agreements with international institutions

1.337

outgoing students



**COMMITTED
TO TACKLING
THE WORLD'S
CHALLENGES**

Vision screening at a school in the neighbourhood
of Mavalane in Maputo, Mozambique
Picture: *Carlos Fresno*



AWARENESS

Following the proposal of its students, the UPC declared a state of climate emergency in spring 2019, with the aim of putting pressure on governments to become aware of the environmental crisis and to set an example for other universities and bodies to do the same. The University also looks inwards and tries to prioritise its actions against climate change by increasing the use of renewable energy and intensifying waste reduction, reuse and recycling campaigns. The UPC was the first university in Spain to declare a state of climate emergency.



63

development cooperation and awareness-raising projects in 27 countries

22,489

primary and secondary school students participating in STEAM (science, technology, engineering, arts and mathematics) activities



UPC students participating with the Hemav Foundation in the FREEDA project to develop an offshore reconnaissance drone to search for people and boats. The aim is to improve rescue missions.

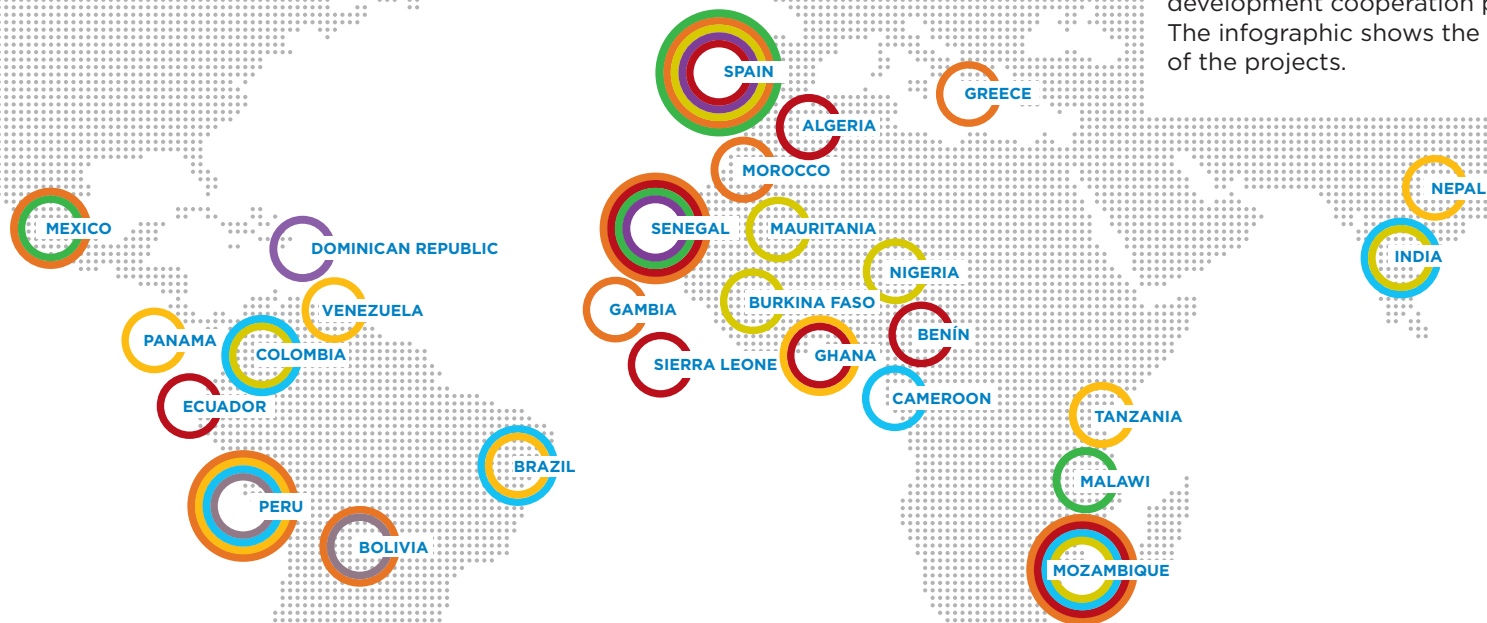


2019 DEVELOPMENT COOPERATION PROJECTS



COMMITTED STUDENTS

The members of the UPC community are committed to making the world a better place. They can combine their activities at the University with this commitment through an annual call for projects funded by donations from the community. Every year, some 200 people participate in development cooperation projects abroad. The infographic shows the geographic distribution of the projects.





UNIVERSITAT POLITÈCNICA
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STUDIES AND STRUCTURE



AEROSPACE ENGINEERING

Aerospace Systems Engineering, majors in: Air Navigation / Airports. EETAC
Aerospace Systems Engineering + Telecommunications Systems Engineering / Network Engineering. EETAC (double degree)
Aerospace Technology Engineering. ESEIAAT
Aerospace Vehicle Engineering. ESEIAAT

APPLIED SCIENCES

Data Science and Engineering. ETSETB-FIB-FME
Economics and Statistics. FME (interuniversity UB-UPC double degree)
Engineering Physics. ETSETB
Marine Sciences and Technologies, majors in: Marine Sciences and Engineering / Marine Technologies. EPSEVG-ESAB-ETSECCPB
Mathematics. FME
Statistics. FME (interuniversity UB-UPC)

ARCHITECTURE, URBANISM AND BUILDING CONSTRUCTION

Architectural Technology and Building Construction. EPSEB
Architecture Studies. ETSAB, ETSAV
Landscape Architecture. ESAB-ETSAB

BIOSYSTEMS AND AGRI-FOOD ENGINEERING

Agronomic Science Engineering, majors in: Horticulture and Gardening / Crop and Livestock Production. ESAB
Biosystems Engineering. ESAB
Culinary and Gastronomic Sciences. ESAB (interuniversity UB-UPC degree)
Food Engineering. ESAB
Landscape Architecture. ESAB-ETSAB

BUSINESS MANAGEMENT AND ORGANISATION

Business Administration and Management. EAE, EUNCET *
Industrial Technologies and Economic Analysis (taught in English). ETSEIB (interuniversity UPC-UPF degree)
Marketing and Digital Communication. EAE, EUNCET *
Sport and Fitness Science and Technology. EUNCET *

CIVIL ENGINEERING

Civil Engineering. ETSECCPB
Civil Engineering. ETSECCPB
Geoinformation and Geomatics Engineering. EPSEB
Mining Engineering. EPSEM
Public Works Engineering. ETSECCPB

DESIGN AND MULTIMEDIA TECHNOLOGY

Design, Animation and Digital Art. CITM
Multimedia Studies. CITM
Video Game Design and Development. CITM
Video Game Design and Development. CITM

HEALTH SCIENCES AND TECHNOLOGY

Biomedical Engineering. EEBE
Optics and Optometry. FOOT

INFORMATICS ENGINEERING

Bioinformatics Engineering. FIB (interuniversity UPF-UPC-UB degree)
Data Science and Engineering. ETSETB-FIB-FME
Geoinformation and Geomatics Engineering. EPSEB
ICT Systems Engineering. EPSEM
Informatics Engineering, majors in: Computing / Computer Engineering / Software Engineering / Information Systems. FIB / Information Technologies. EPSEVG, FIB

INDUSTRIAL ENGINEERING

Automotive Engineering. EPSEM
Biomedical Engineering. EEBE
Chemical Engineering. EEBE, EPSEM, ESEIAAT
Electrical Engineering. EEBE, EPSEVG, ESEIAAT
Energy Engineering. EEBE
Industrial Design and Product Development Engineering. EPSEVG, ESEIAAT
Industrial Electronics and Automatic Control Engineering. EEBE, EPSEM, EPSEVG, ESEIAAT
Industrial Technology Engineering. ESEIAAT, ETSEIB
Industrial Technologies and Economic Analysis. ETSEIB (interuniversity UPC-UPF degree)
Materials Engineering. EEBE
Mechanical Engineering. EEBE, EPSEM, EPSEVG, ESEIAAT
Textile Technology and Design Engineering. ESEIAAT

NAVAL, MARINE AND NAUTICAL ENGINEERING

Marine Technologies. FNB
Nautical Engineering and Maritime Transport. FNB
Naval Systems and Technology Engineering. FNB

TELECOMMUNICATIONS ENGINEERING

Audiovisual Systems Engineering. ESEIAAT
Data Science and Engineering. ETSETB-FIB-FME
Electronic Engineering and Telecommunications. ETSETB
Geoinformation and Geomatics Engineering. EPSEB
ICT Systems Engineering. EPSEM
Network Engineering. EETAC
Telecommunications Systems Engineering. EETAC
Telecommunications Systems Engineering / Network Engineering + Aerospace Systems Engineering. EETAC (double degree)
Telecommunications Technologies and Services Engineering, majors in: Audiovisual Systems / Telecommunications Systems / Network Systems. ETSETB

* Associate schools



2019-2020 MASTER'S DEGREES

AEROSPACE ENGINEERING

Aeronautical Engineering
Aerospace Science and Technology (MAST)*
Applications and Technologies for Unmanned Aircraft Systems (Drones)*
Space and Aeronautical Engineering

APPLIED SCIENCES

Advanced Mathematics and Mathematical Engineering (MAMME)
Atomistic and Multiscale Computational Modelling in Physics, Chemistry and Biochemistry
Computer Vision*
Engineering Physics*
Occupational Health and Safety
Photonics*
Pure and Applied Logic*
Statistics and Operations Research (MESIO)
Erasmus Mundus / Photonics Engineering, Nanophotonics and Biophotonics (Europhotonics)*

ARCHITECTURE, URBANISM AND BUILDING CONSTRUCTION

Architecture
Advanced Building Construction
Advanced Studies in Architecture-Barcelona (MBArch)
Advanced Studies in Design-Barcelona (MBDesign)
Building Construction Management
Landscape Architecture (MBLandArch)
Sustainable Intervention in the Built Environment (MISMeC)

BIOSYSTEMS AND AGRI-FOOD ENGINEERING

Agronomic Engineering
Aquaculture
Key Enabling Technologies for the Food and Bioprocessing Industry (KET4FOOD+Bio)

CIVIL ENGINEERING

Cartographic and Geographic Engineering
Civil Engineering
Geotechnical Engineering
Mining Engineering
Numerical Methods in Engineering*
Oceanography and Marine Management
Structural Analysis of Monuments and Historical Constructions (SAHC)*
Structural and Construction Engineering
Supply Chain, Transport and Mobility Management
Erasmus Mundus / Flood Risk Management*
Erasmus Mundus / Hydroinformatics & Water Management (EuroAqua+)*

ENVIRONMENT, SUSTAINABILITY AND NATURAL RESOURCES

Environmental Engineering
Natural Resource Engineering
Sustainability Science and Technology
Sustainable Intervention in the Built Environment (MISMeC)

HEALTH SCIENCES AND TECHNOLOGY

Biomedical Engineering
Optometry and Vision Sciences

INDUSTRIAL ENGINEERING

Advanced Studies in Design-Barcelona (MBDesign)
Automatic Control and Robotics*
Automatic Systems Engineering and Industrial Electronics (MUESAEI)
Automotive Engineering
Biomedical Engineering
Chemical Engineering*
Energy Engineering (linked to the InnoEnergy programme)
Industrial Engineering
Interdisciplinary & Innovative Engineering
Management Engineering
Materials Science and Advanced Materials Engineering
Nuclear Engineering (linked to the InnoEnergy programme)*
Supply Chain, Transport and Mobility Management
Technology and Engineering Management*
Textile and Paper Engineering
Erasmus Mundus / Advanced Materials Science and Engineering (AMASE)*

INFORMATICS ENGINEERING

Artificial Intelligence*
Cartographic and Geographic Engineering
Informatics Engineering
Innovation and Research in Informatics (MIRI)*
Erasmus Mundus / Big Data Management and Analytics (BDMA)*

NAVAL, MARINE AND NAUTICAL ENGINEERING

Management and Operation of Marine Energy Facilities
Naval Architecture and Ocean Engineering
Nautical Science and Maritime Transport Management

TEACHER TRAINING AND GENDER STUDIES

Secondary and Upper Secondary Education, Vocational Training and Foreign Language Teaching.
Specialisations in: Technology / Industrial Technology / Mathematics
Women's, Gender and Citizenship Studies

TELECOMMUNICATIONS ENGINEERING

Advanced Telecommunication Technologies*
Applications and Technologies for Unmanned Aircraft Systems (Drones)*
Applied Telecommunications and Engineering Management (MASTEAM)*
Cartographic and Geographic Engineering
Electronic Engineering (MEE)*
Telecommunication Engineering (MET)*

* Taught in English



ARCHITECTURE, URBANISM AND BUILDING CONSTRUCTION

Architectural, Civil and Urban Heritage and Refurbishment of Existing Buildings

Architectural Design

Architectural, Building Construction and Urbanism Technology

Architecture, Energy and Environment

Theory and History of Architecture

Urban and Architectural Management and Valuation

Urbanism

CIVIL ENGINEERING

Environmental Engineering

Civil Engineering

Construction Engineering

Earthquake Engineering and Structural Dynamics

Geotechnical Engineering

Marine Sciences

Nautical and Marine Engineering and Naval

Radio-Electronics

Structural Analysis

ICT ENGINEERING

Artificial Intelligence

Bioinformatics

Computer Architecture

Computing

Electronic Engineering

Network Engineering

Signal Theory and Communications

Erasmus Mundus / Information Technologies for Business Intelligence (IT4BI - DC) (taught in English)

INDUSTRIAL ENGINEERING

Automatic Control, Robotics and Vision

Biomedical Engineering

Business Administration and Management (interuniversity degree)

Chemical Process Engineering

Electric Energy Systems

Electrical Engineering

Materials Science and Engineering

Mechanical, Fluids and Aerospace Engineering

Natural Resources and Environment

Nuclear and Ionising Radiation Engineering

Polymers and Biopolymers

Supply Chain and Operations Management

Sustainability

Textile and Paper Engineering

Thermal Engineering

Erasmus Mundus / Environomical Pathways for Sustainable Energy Services (SELECT+) (taught in English)

SCIENCES

Aerospace Science and Technology

Agri-Food Technology and Biotechnology

Applied Mathematics

Computational and Applied Physics

Optical Engineering

Statistics and Operations Research

Photonics



DEPARTMENTS

Agri-Food Engineering and Biotechnology
Architectural Design
Architectural Representation
Architectural Technology
Automatic Control
Chemical Engineering
Civil and Environmental Engineering
Computer Architecture
Computer Science
Electrical Engineering
Electronic Engineering
Engineering Presentation
Fluid Mechanics
Heat Engines
Management
Materials Science and Metallurgy
Mathematics
Mechanical Engineering
Mining, Industrial and ICT Engineering
Nautical Science and Engineering
Network Engineering
Optics and Optometry
Physics
Project and Construction Engineering
Service and Information System Engineering
Signal Theory and Communications
Statistics and Operations Research
Strength of Materials and Structural Engineering
Theory and History of Architecture and Communication Techniques
Urbanism and Regional Planning

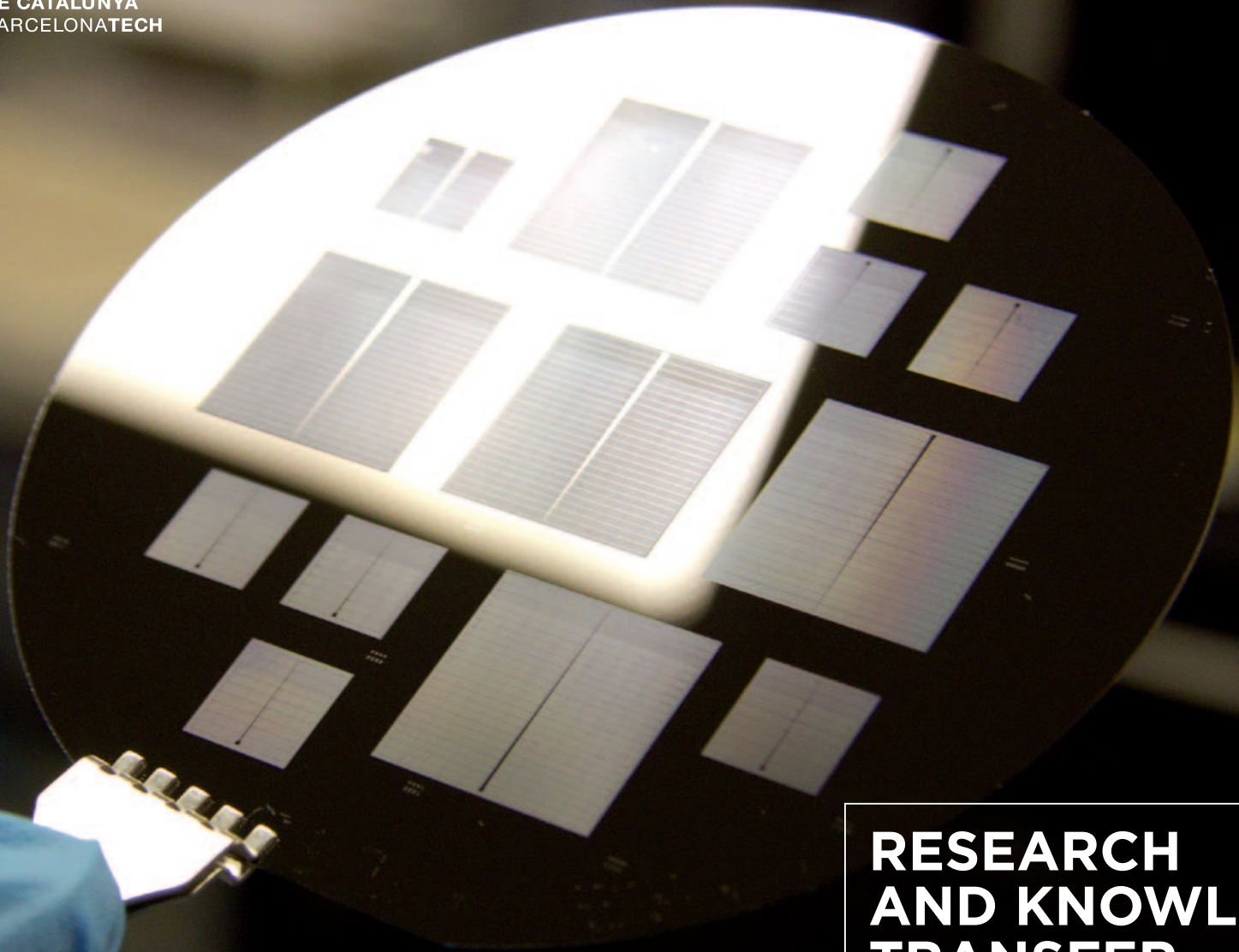
INSTITUTES

FLUMEN. River Dynamics and Hydrological Engineering
IBEI. Barcelona Institute of International Studies (interuniversity)
ICE. Institute of Education Sciences
ICFO. Institute of Photonic Sciences (associated entity and affiliated institute)
IIEDG. Interuniversity Women's and Gender Studies Institute (interuniversity) INTE. Institute of Energy Technologies
INTEXTER. Terrassa Institute of Textile Research and Industrial Cooperation
IOC. Institute of Industrial and Control Engineering
IRI. Institute of Robotics and Industrial Informatics (UPC-CSIC joint ownership)
ISUPC. University Research Institute for Sustainability Science and Technology

THE UPC GROUP

CIM Foundation
Fundació Politècnica de Catalunya
Innovation and Technology Centre Foundation
IThinkUPC
Mediterranean Technology Park
UPCnet, SL





**RESEARCH
AND KNOWLEDGE
TRANSFER**



TECNIO RESEARCH CENTRES*

CD6. Centre for Sensors, Instruments and Systems
Development

CITCEA-UPC. Centre for Technological Innovation
in Static Converters and Drives

CREB. Biomedical Engineering Research Centre

DAMA-UPC. Data Management Group

GCEM. Electromagnetic Compatibility Group

inLab FIB

INNOTEX. Innotex Center

Institute of Energy Technologies

Institute of Robotics and Industrial Informatics

LABSON. Fluid Power Systems Laboratory

MCIA. Motion Control and Industrial Applications
Research Group

SARTI. Technological Development Centre for
Remote Acquisition and Data Processing Systems

SEER. Renewable Electrical Energy Systems

SSR-UPC. Smart Sustainable Resources

* Research centres that belong to the Network of Technological
Innovation Support Centres (TECNIO)

ASSOCIATED RESEARCH CENTRES

CCABA. Advanced Broadband Communications Centre

CD6. Centre for Sensors, Instruments and Systems
Development

CDPAC. Architectural Design Documentation Centre
of Catalonia

CEBIM. Molecular Biotechnology Centre

CERpIE. Research and Development Centre for Business
Improvement and Innovation

CETpD. Technical Research Centre for Dependency Care
and Autonomous Living

CommSensLab-UPC. Remote Sensing, Antennas, Microwaves
and Superconductivity Group

CPSV. Centre for Land Valuation Policy

CRAL. Centre for Research and Services for the Local
Administration

CREB. Biomedical Engineering Research Centre

CREMIT. Center for Engines and Heat Installations

CRnE. Barcelona Research Center in Multiscale Science
and Engineering

CS²AC-UPC. Supervision, Safety and Automatic Control

IDEAI-UPC. Intelligent Data Science and Artificial Intelligence

LaCàN. Numerical Methods for Applied Sciences
and Engineering

LIM/UPC. Maritime Engineering Laboratory

LITEM. Laboratory for Technological Innovation in Structures
and Materials

(MC2)-UPC. Continuum and Computational Mechanics

PERC-UPC. Power Electronics Research Centre

SSR-UPC. Smart Sustainable Resources

TALP. Centre for Language and Speech Technologies
and Applications

ASSOCIATED RESEARCH ENTITIES

BSC-CNS. Barcelona Supercomputing Center - Centro
Nacional de Supercomputación

CCP. Catalan Plastics Centre

Cetaqua. Water Technology Centre

CIIRC. International Centre for Coastal Resources
Research

CIMNE. International Centre for Numerical Methods
in Engineering

CREDA. Centre for Agrifood Economics and Development

CRM. Mathematical Research Centre

CTTC. Telecommunications Technology Centre
of Catalonia

EURECAT. Catalonia Technology Centre

FMA. Miquel Agustí Foundation

i2CAT. i2Cat Foundation

IBEC. Institute for Bioengineering of Catalonia

ICFO. Institute of Photonic Sciences

IEEC. Institute of Space Studies of Catalonia

IREC. Catalonia Institute for Energy Research



SPONSORING COMPANIES AND ORGANISATIONS

SPONSORS OF EXCELLENCE

Abertis
COMEXI Group
Fundació Cellex
GIRBAU Group
ICL Iberia
Banco Santander
SEAT

SPONSORS

AMES
Construccions RUBAU
COPISA Grup
Endesa
FCC Construcción
JG Ingenieros
Mecalux
SOADCO (Klockner Implant System)
Telefónica

COLLABORATORS

Accenture
Agbar
ASEMAS
Bernecker & Rainer Automatización Industrial
Between
BOSCH
Caixa d'Enginyers - Fundació Caixa d'Enginyers
Covestro
DENSO
Dow Chemical Ibérica
dSPACE
Everis
FIB Alumni-Cercle Fiber
FICOSA
Fundació Bancària "la Caixa"
Fundación ONCE
Fundació Resa Campus
Gestamp
HNA
HP
ibertrac
La Mútua dels Enginyers
La Vanguardia
Naturgy
SOREA





CHAIRS

Accessibility Chair: Architecture, Design and Technology for All
Free Software Chair (CPL)

Gaudí Chair

Mir-Puig Chair for the Promotion of Mathematics and Young Researchers

PREMIUM ENTERPRISE CHAIRS

Abertis Chair in Transport Infrastructure Management

Girbau Group Chair of Research and Innovation in Industrial Laundry Technology

ICL Chair in Sustainable Mining

Manel Xifra Boada Chair of Research and Innovation in Flexible Packaging Manufacturing Technology

SEAT-UPC Chair in Strategies for Innovation Excellence and Sustainable Mobility in the Automotive Industry

COMPANY CHAIRS

AMES Group-UPC Chair in Design and Innovation of New Biomaterials

Endesa Red Chair in Energy Innovation

Infrastructure Circle-UPC Chair (COPIA, FCC, OHL, Construccions Rubau)

JG Ingenieros Chair for the Study of Sustainability in Buildings

Klockner-UPC Chair in Dental Implants and Prostheses

Mecalux-UPC Classroom in Automatism and Innovation for Logistics

Telefónica-UPC Chair on the Evolution and Future Trends of the Information Society

UNESCO CHAIRS

UNESCO Chair of Higher Education Management (CUDU)

UNESCO Chair of Numerical Methods in Engineering

UNESCO Chair of Technology and Culture

UNESCO Sustainability Chair



UNIVERSITAT POLITÈCNICA
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Universitat
Politécnica de Catalunya
BarcelonaTech