

Universitat Politécnica de Catalunya BarcelonaTech



UNIVERSITAT POLITÈCNICA
DE CATALUNYA
BARCELONATECH

2024-2025
academic year

Knowledge areas

A wide-angle photograph of a modern library interior. The space is bright and open, with high ceilings and large windows. In the foreground, a student is seated at a blue table, focused on reading. Behind him, other students are visible at similar tables. To the right, a long row of white bookshelves is filled with books. A blue sign with the letters 'Sh' and some text is visible on a shelf in the background. The overall atmosphere is one of quiet study and intellectual pursuit.

Aerospace Engineering

Applied Sciences

**Architecture, Urbanism
and Building Construction**

**Biosystems and Agri-Food
Engineering**

**Business Management
and Organisation**

Civil Engineering

Health Sciences and Technology

Industrial Engineering

Informatics Engineering

**Naval, Marine and Nautical
Engineering**

Telecommunications Engineering

**The Environment, Sustainability
and Natural Resources**

The UPC in figures

A young man and woman are standing in a laboratory or classroom setting. They are surrounded by several robotic arms (likely Universal Robots) mounted on workstations. The man is wearing a blue t-shirt and the woman is wearing a black crop top and white pants. They appear to be engaged in a discussion or demonstration related to the robots.

33,516

students
25,289 bachelor's degree students
6,038 master's degree students
2,189 doctoral degree students

3,677

teaching
and research
staff

2,279

continuing education
students

2,143

technical,
management,
administrative
and service staff

110

nationalities
at the UPC

54%

international doctoral
degree students
(80% of them non-EU)

28%

international
master's
degree students
(75% of them
non-EU)

18

schools
(on 9
campuses)

67

bachelor's
degrees
2025-2026

96

master's
degrees
2025-2026

46

doctoral
programmes
2025-2026

01/ Excellence in teaching

As a public university specialising in engineering, architecture, sciences and technology, the UPC stands out for its academic excellence and focus on practical training. Teaching at the UPC is delivered across nine campuses, where the university community works closely with companies and research centres. Bachelor's, master's, doctoral and continuing education programmes are embedded in a highly internationalised knowledge ecosystem comprising 18 schools.

91,278

UPC alumni

3,176

students on international
mobility programmes
1,786 incoming students
1,390 outgoing students

54

international
double degree
agreements
with 11 countries

5,703

students
on work
placement

1,555

student exchange
agreements
with 695 higher
education institutions
in 57 countries

535

new doctoral
degree students

6,556

bachelor's
and master's
degree graduates
(2023-2024
academic year)

49%

UPC master's
degrees
taught
in English



02 / Research

The UPC is a key player in driving social and economic progress in a world that is changing at an accelerating pace. Excellence in research and innovation in transformative technologies is ingrained in the University's research culture. Well placed in the main rankings that assess research output, the UPC boasts large-scale scientific and technical facilities and is a leader in securing funding in calls for RDI projects. At the same time, the University is committed to promoting an approach to science that is open and ethical and involves citizens in the generation of knowledge.

2,308

scientific publications
(2023)

22

specific
research
centres

5

university
research
institutes

12

associated
research
centres

318

theses read
(2023)

15

research centres
members
of the TECNIO
network

141

research
groups

187

scientific
and technical
awards
received



03 / Transfer

The UPC's collaboration with the business sector is realised through nearly 2,000 national and international agreements and projects each year, which transform the knowledge generated by its research groups and centres into productive value. While the focus is on emerging sectors, the needs of small and medium-sized enterprises (SMEs) are also addressed through the design of tailor-made solutions. The UPC transfers knowledge and leading-edge technology through competitive projects, synergies and partnerships with the business fabric and a broad portfolio of marketable patents.

2,983

associated companies

121.6 M

income from RDI
and transfer projects
(2023)

41

partially owned
technology-based
companies

799

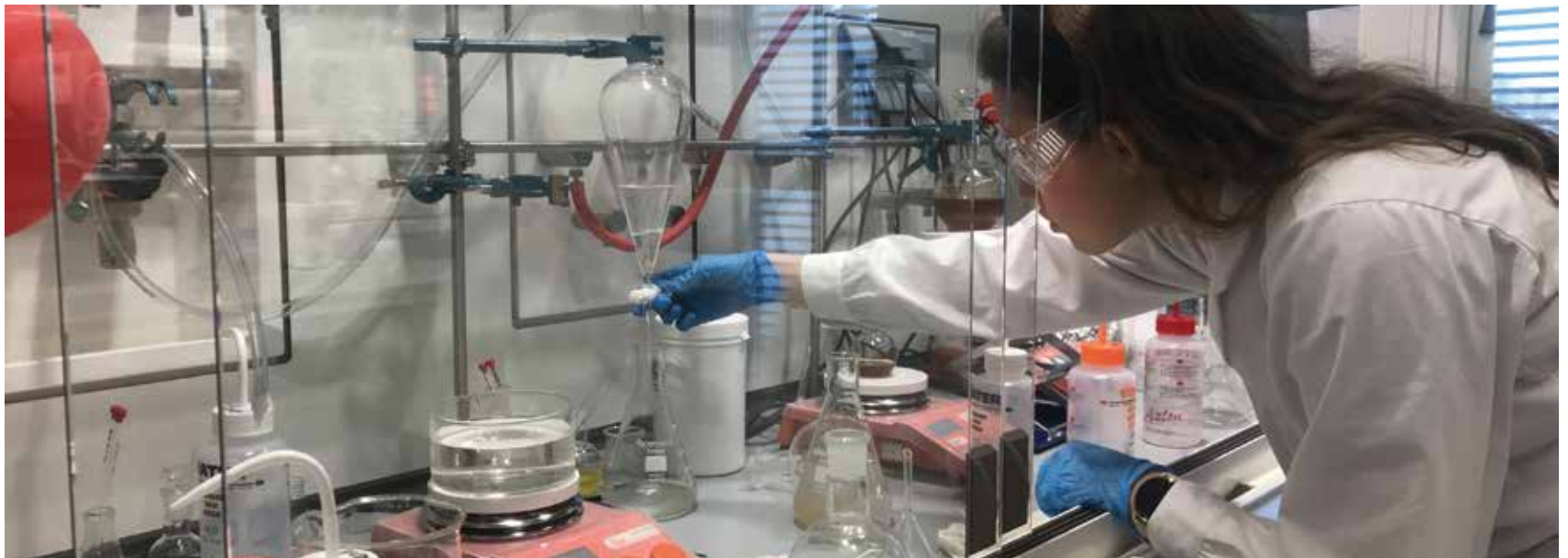
research agreements
and projects signed
in the last year

1,801

ongoing research
projects

10

new patents (2023)



04 / Alliances

The UPC has woven, through the actions of the people of which it is composed, a complex network of international alliances with other universities, research institutions and companies. These alliances lead to new projects and are the basis for a good number of initiatives in which the word 'collaboration' plays a key part. A global, interconnected world that fosters the sharing of knowledge and experiences is the setting for these alliances without borders. The UPC has established 234 academic cooperation agreements with international institutions.



unite!

University Network for Innovation,
Technology and Engineering

Unite! (University Network for Innovation, Technology and Engineering) is an alliance of nine European technical universities that aims to build the future European Higher Education Area.

Technical University of Darmstadt, Germany
Aalto University, Finland
Graz University of Technology, Austria
Grenoble Institute of Technology, France
KTH Royal Institute of Technology, Sweden
Politecnico di Torino, Italy
Universidade de Lisboa, Portugal
Universitat Politècnica de Catalunya - BarcelonaTech, Spain
Wrocław University of Science and Technology, Poland

中西
學院

SINO-
SPANISH
CAMPUS

CAMPUS
SINO-
HISPÁNICO

The Sino-Spanish Campus is located at Tongji University (China) and is composed of the UPC, the Universidad Politécnica de Madrid, the Instituto Tecnológico de Estudios Superiores de Monterrey and the Universidad de Sevilla. The SSC is a platform for academic, research and innovation cooperation between China, Spain and Latin America, based on openness, tolerance, mutually beneficial collaboration and shared principles.

05 / The UPC in International networks

CASA

Consortium for Advanced Studies
Abroad

CESAER

Conference of European Schools
for Advanced Engineering Education
and Research

CINDA

Centro Interuniversitario
de Desarrollo

CLUSTER

Consortium Linking Universities
of Science and Technology for
Education and Research

EUA

European University Association

GUNI

Global University Network
for Innovation

Heritage Network

Magalhães Network

RedEmprendia

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

The UPC is an active member in diverse Knowledge and Innovation Communities (KICs) founded by the European Institute of Technology. The KICs provide a framework where diverse stakeholders work in collaboration to generate innovative responses to diverse social challenges. Specifically, the UPC is a member of:

KIC InnoEnergy

KIC Urban Mobility

KIC RawMaterials

KIC Health

KIC Manufacturing

Leading positions

The international benchmark rankings for the disciplines taught at the UPC, which analyse the performance of universities in a number of specific fields (such as the Shanghai Global Ranking of Academic Subjects and the QS World University Rankings by Subject), highlight the University's strength in Architecture, Art History, Civil Engineering, Mathematics and Computer Science. The UPC also ranks strongly at the global level in Technology

and Instrumental Sciences, Atmospheric Sciences, Nanoscience and Nano-technology, Energy Engineering and Sciences, and Mechanical Engineering. The UPC is recognised in international rankings that assess cross-cutting issues of particular importance, such as sustainability (CWTS Leiden Ranking and QS Europe University Rankings) and climate action (THE Impact Rankings).



Shanghai Global Ranking of Academic Subjects, 2024

	Civil Engineering	Atmospheric Science	Instruments Science & Technology	Physics	Material Science & Engineering	Chemical Engineering	Energy Science & Engineering
Spain	2	1-3	1	3-4	1-3	1-4	1-4
Europe	17-21	42-57	9-24	67-91	35-71	20-45	49-75
World	76-100	101-150	101-150	151-200	201-300	201-300	201-300



QS World University Rankings by Subject, 2024

	Architecture & Built Environment	Art History	Civil & Structural Engineering	Telecommunications, Electrical and Electronic Engineering	Mechanical, Aeronautical & Manufacturing Engineering	Engineering & Technology
Spain	2	1	1	1	1	2
Europe	11	9-18	10	23	28	25
World	26	21-40	40	66	72	82

	Computer Science & Information Systems	Mathematics	Petroleum Engineering	Art & Design	Statistics & Operational Research	Materials Science
Spain	1	1	1	1-2	1-2	1-3
Europe	28	35	18-34	18-41	36-61	34-52
World	88	95	51-100	51-100	101-150	101-150



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