



UNIVERSITAT POLITÈCNICA
DE CATALUNYA
BARCELONATECH

UPC

Universitat
Politécnica de Catalunya
BarcelonaTech

Academic year 2024-2025



UNIVERSITAT POLITÈCNICA
DE CATALUNYA
BARCELONATECH

We are **UPC**

The **Universitat Politècnica de Catalunya - BarcelonaTech** is a public institution of **Higher Education and Research**, specialised in the areas of **Architecture, Engineering, Science and Technology**

We are a leading technological university at the south of Europe



● Manresa
● Terrassa
Sant Cugat ●
● Sant Adrià del Besòs
Castelldefels ● **Barcelona**
● Vilanova i la Geltrú



UNIVERSITAT POLITÈCNICA
DE CATALUNYA
BARCELONATECH

A hub for Education, Research, Innovation and Internationalisation.

Barcelona

... The Southern gateway to Europe
... Mediterranean Capital
... Bridge to the Maghreb
... Platform for links to Latin America

1 686 208	Inhabitants
3 398 219	Inh. Metropolitan Area
107.2	GDP per capita (Index EU27=100)
69 710 000	kTn harbour total transit (2024)
55 034 955	Airport passengers (2024)
453 568	Companies (BCN region)
9 602	Foreign companies (Catalonia)





EEABB



EEBE



EETAC



EPSEB



EPSEM



EPSEVG



ESEIAAT



ETSAB



ETSAV



ETSECCPB



ETSEIB



ETSETB



FIB



FME



FNB



FOOT



CFIS



CITM

18

Schools

30

Departments

141

Research groups



UNIVERSITAT POLITÈCNICA
DE CATALUNYA
BARCELONATECH



Fields

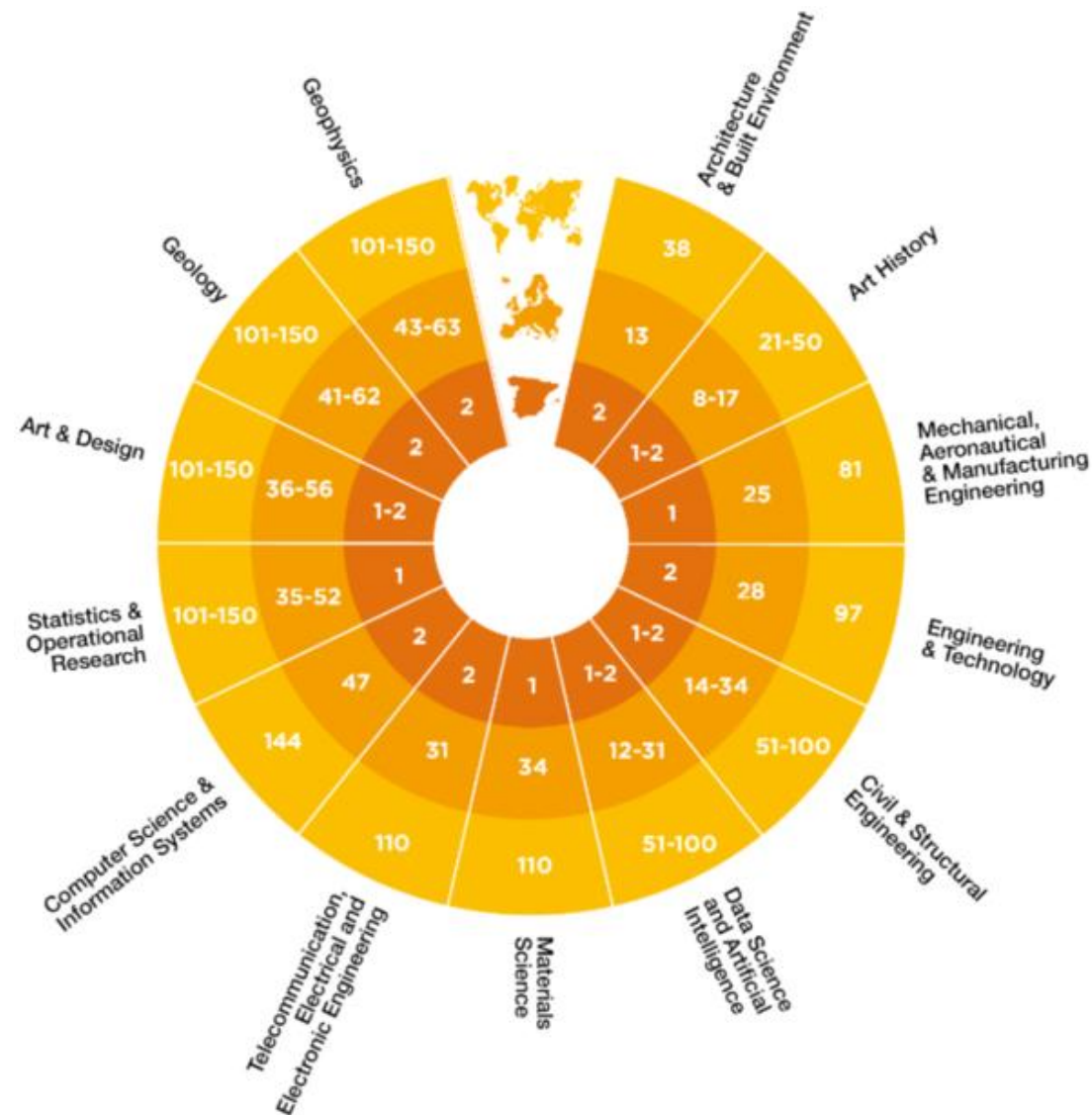
- ☐ Architecture and Urban Planning.
- ☐ Aerospace Engineering
- ☐ Agricultural and Biosystems Engineering
- ☐ Civil, Environmental and Geological Engineering
- ☐ Computer Science
- ☐ Engineering for Industry: Energy, Biomedical, Chemical, Electrical, Materials and Mechanical, Naval, Maritime and Nautical Engineering, Telecommunications and Electronic Systems Engineering
- ☐ Applied Sciences: Mathematics, Statistics, Physics, Optics and Photonics



Reputation



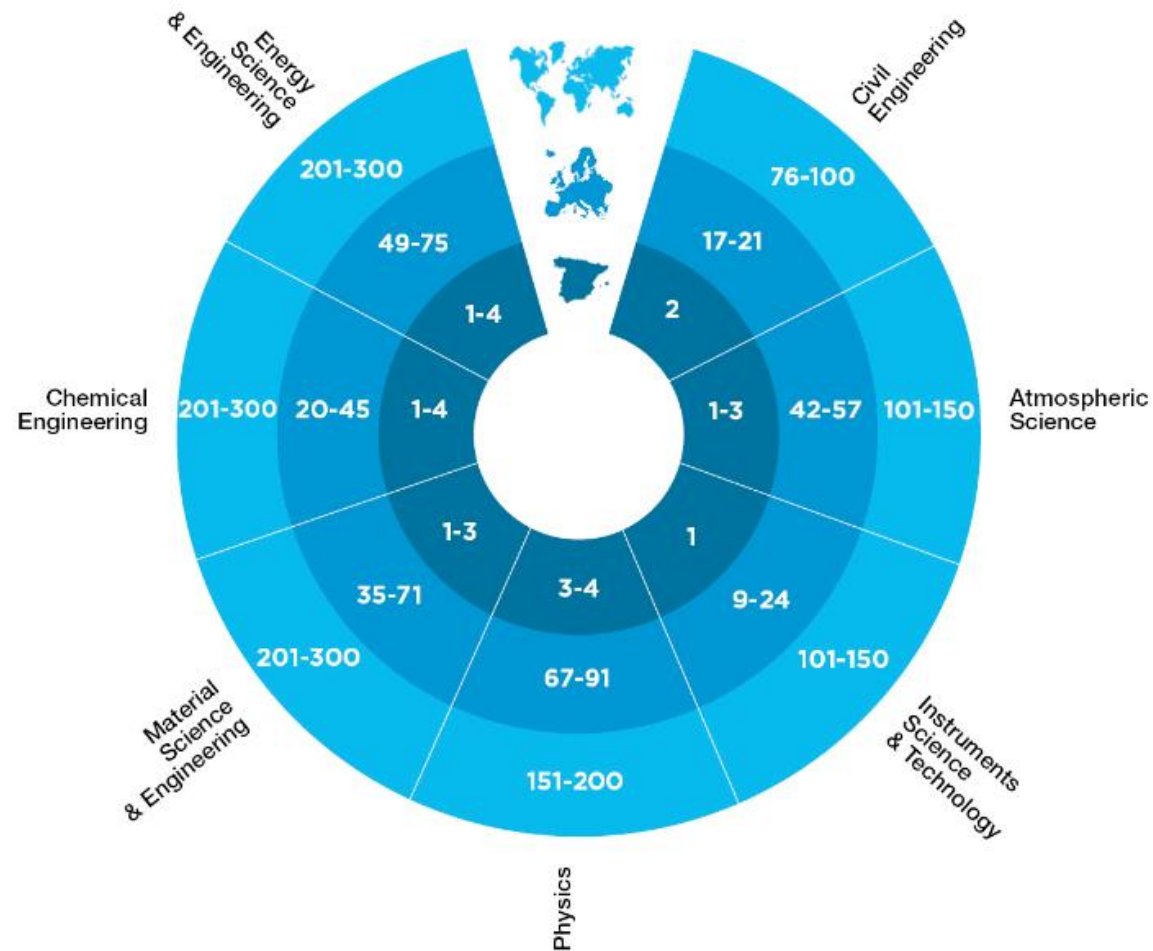
QS World University
Rankings by Subject, 2025



Reputation



Shanghai Global Ranking
of Academic Subjects, 2025





410 M€

UPC budget
(2025)

106.2 M€

Projects income
R+D+I (2024)



UNIVERSITAT POLITÈCNICA
DE CATALUNYA
BARCELONATECH

A university **committed to its environment and society**





54 development cooperation
projects in 25 countries



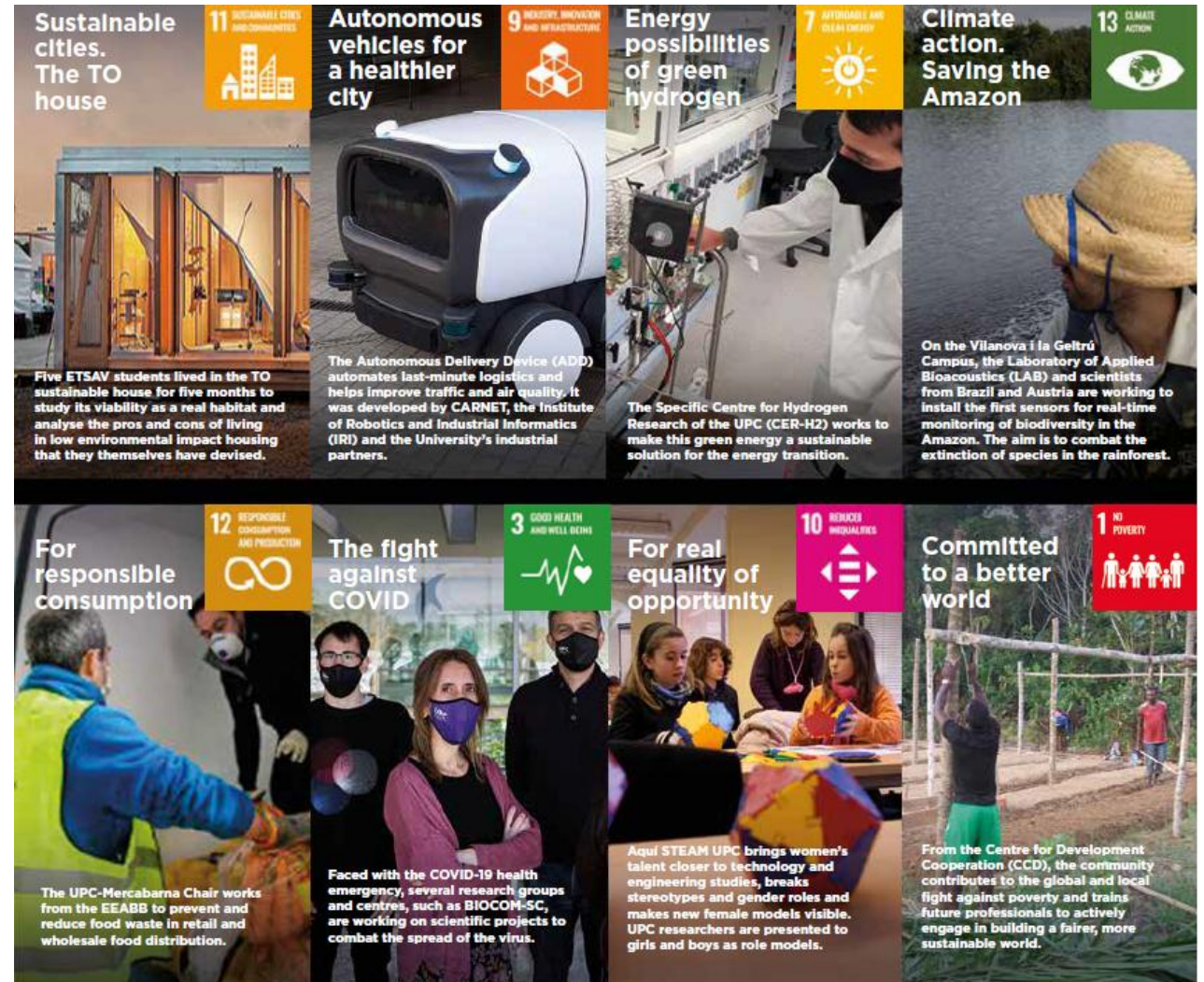
Centre de Cooperació
per al Desenvolupament



UNIVERSITAT POLITÈCNICA
DE CATALUNYA
BARCELONATECH

A university aligned with the Sustainable Development Goals (SDG)

UPC, world's 'top 50' in the Climate Action SDG 13, according to the 2023 edition of the Times Higher Education Impact Rankings.





UPC Community



UNIVERSITAT POLITÈCNICA
DE CATALUNYA
BARCELONATECH

31 327

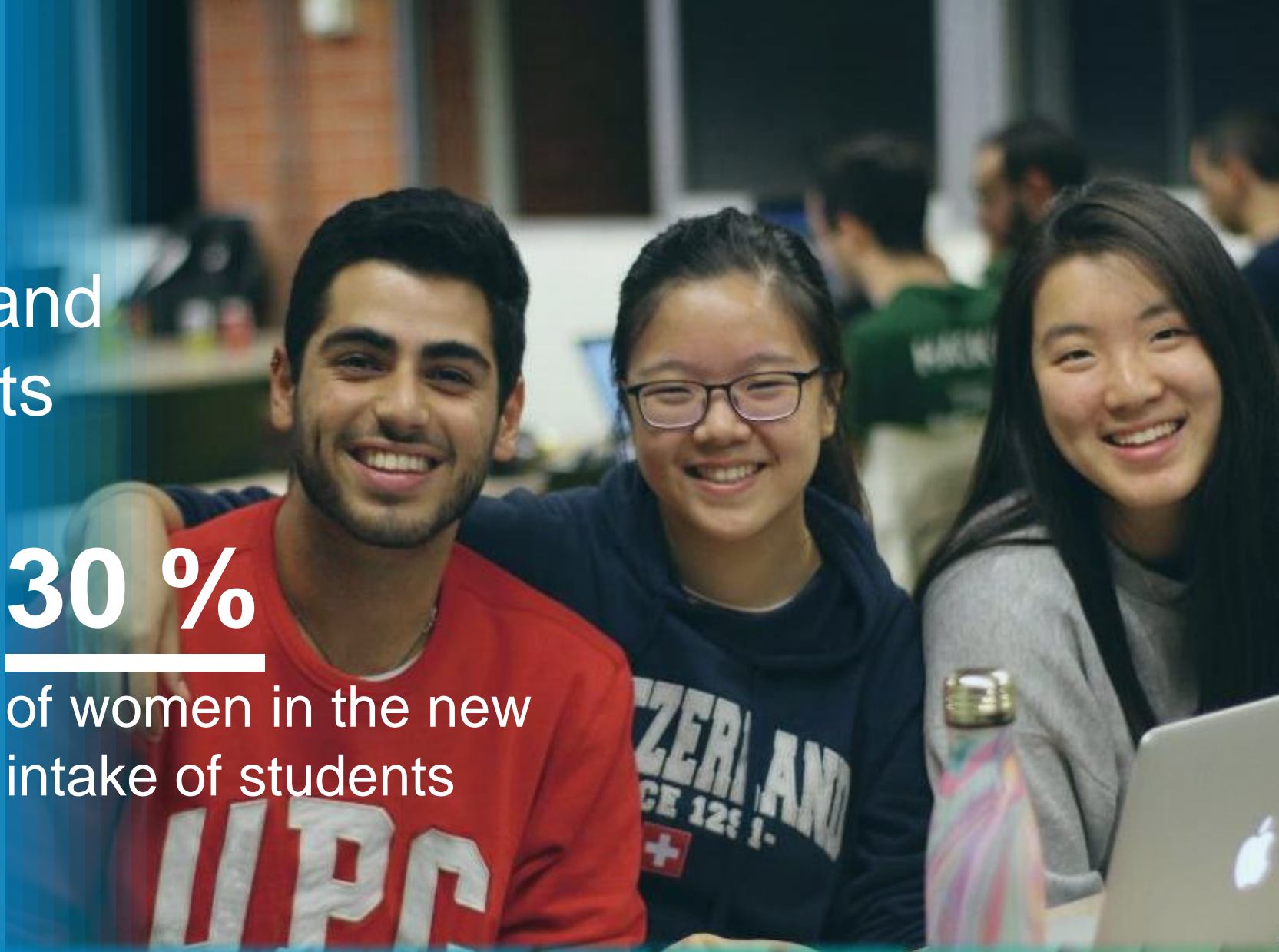
undergraduate and
master students

2 189

PhD students

30 %

of women in the new
intake of students



UNIVERSITAT POLITÈCNICA
DE CATALUNYA
BARCELONATECH



3 677

teaching
and research staff

2 143

technical,
management and
administration staff



UNIVERSITAT POLITÈCNICA
DE CATALUNYA
BARCELONATECH



Training the professionals of the future



UNIVERSITAT POLITÈCNICA
DE CATALUNYA
BARCELONATECH

67 bachelor's
degrees

96 master's
degrees

46 PhD programmes



UNIVERSITAT POLITÈCNICA
DE CATALUNYA
BARCELONATECH





2 279

Continuing education
students



UNIVERSITAT POLITÈCNICA
DE CATALUNYA
BARCELONATECH

A group of five students in white lab coats are working in a chemistry laboratory. They are gathered around a table, focused on their work. The table is covered with various chemical equipment, including beakers, test tubes, and containers labeled with chemical formulas like $\text{H}_2\text{SO}_4(\text{aq}) + \text{Pb}(\text{s})$. One student is pointing at a piece of paper, while others are looking on. The background shows large windows and other lab equipment.

88%

of graduates work
in less than 6
months



UNIVERSITAT POLITÈCNICA
DE CATALUNYA
BARCELONATECH

Internationalisation, a dimension that permeates all activities



UPC abroad

- Education: mobility, double degrees, strategic alliances
- Research and innovation projects
- Development Cooperation



Working in networks

The UPC in international networks

CASA
(Consortium for Advanced
Studies Abroad)

TELESCOPI
(Red de Observatorios de Buenas Prácticas
de Dirección y Gestión Universitaria en
Latinoamérica y Europa)

RedEmprendia
(Red de universidades
iberoamericanas emprendedoras)

CINDA
(Centro Interuniversitario de Desarrollo)

MAGALHAES
(Red de universidades europeas y
latinoamericanas)

Cluster
(Consortium Linking Universities of
Science and Technology for
Education and Research)

EUA
(European University
Association)

UNITE!
(University Network for
Innovation, Technology and
Engineering)

TIME
(Top Industrial Managers for Europe)

SINO-SPANISH CAMPUS
A campus at Tongji University (China)
composed of the UPC, the Universidad
Politécnica de Madrid, the Tecnológico
de Monterrey and the Universidad de
Sevilla.

UNITECH
(Network of technological universities and
European companies)

CESAER
(Conference of European Schools for Advanced
Engineering Education and Research)

GUNI
(Global University
Network for
innovation)



The EIT is a body of the European Union



Knowledge and Innovation Community (KIC) supported by the European Institute of Innovation and Technology (EIT)



UNIVERSITAT POLITÈCNICA
DE CATALUNYA
BARCELONATECH

A group of five diverse students (three women and two men) are smiling and taking a selfie together outdoors. One woman in the foreground is holding a smartphone. They are standing in front of a modern building with large windows.

1 555

Student exchange agreements
with

695

Higher Education Institutions
from 57 different countries

54

International Double Degree
programmes with 30
universities



UNIVERSITAT POLITÈCNICA
DE CATALUNYA
BARCELONATECH



3 176

students in international
exchange programmes

28%

of master's students are
international, 75% of them
are from outside the EU

54%

of PhD students are
international, 80% of them are
from outside the EU



UNIVERSITAT POLITÈCNICA
DE CATALUNYA
BARCELONATECH

UPC
UNIVERSITAT POLITÈCNICA
DE CATALUNYA
BARCELONATECH

unite! | University Network for Innovation,
Technology and Engineering

BARCELONA · UPC
29th, 30th November and 1st December
IV Unite! Dialogue
Unite! Past, Present and Future
unite-university.eu



Unite!,
the creation of the
future European
university

UPC
UNIVERSITAT POLITÈCNICA
DE CATALUNYA
BARCELONATECH



UNIVERSITAT POLITÈCNICA
DE CATALUNYA
BARCELONATECH

unite!

University Network for Innovation,
Technology and Engineering



- A model of European University of innovation, technology and engineering.
- A strategic alliance of universities.
- An inclusive community linked to the territory and its stakeholders.

280,000

students at Unite!
universities (2021)



77,300

graduates of Unite!
universities per year
(2020)



31,000

journal and
conference papers
per year (Web of
Science, 2020)



223

ERC grants at Unite!
universities (2007-
2021)



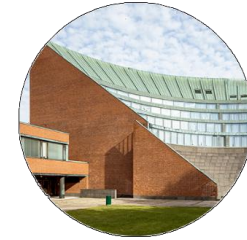
2,630

PhD graduates of
Unite! universities per
year (2020)

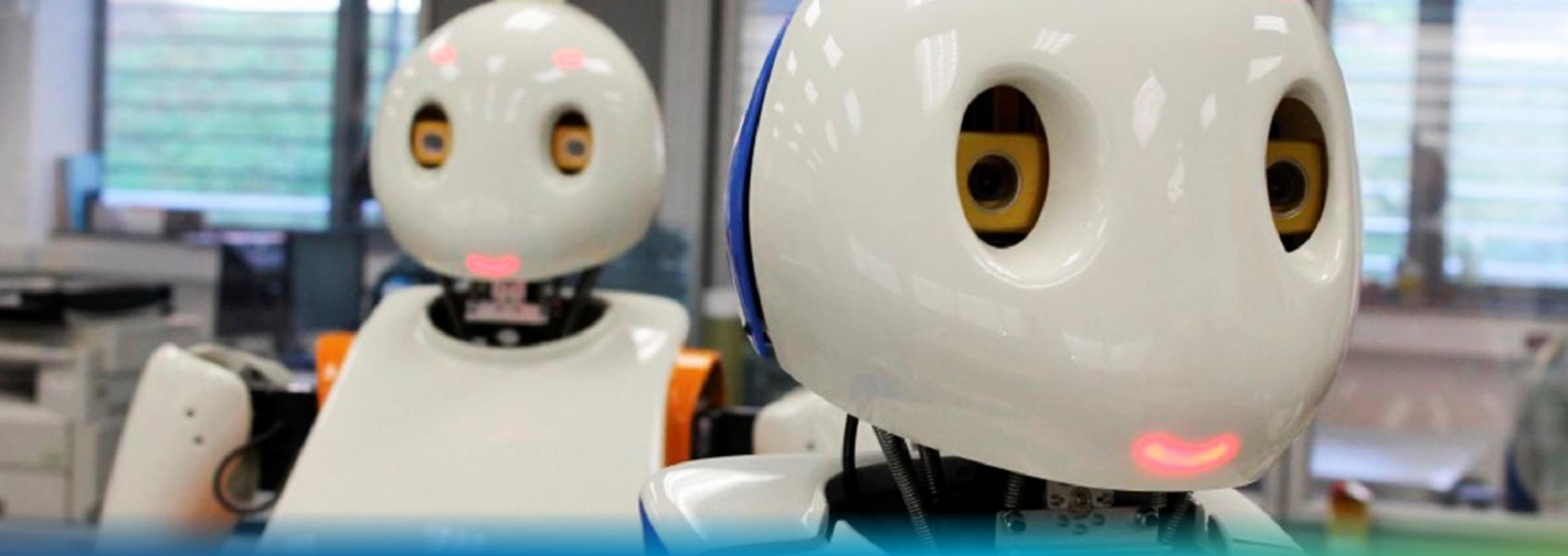


799

Startups founded in
the last 5 years



UNIVERSITAT POLITÈCNICA
DE CATALUNYA
BARCELONATECH



Research to innovate



UNIVERSITAT POLITÈCNICA
DE CATALUNYA
BARCELONATECH



1 801


Ongoing research projects

2 308

papers in scientific journals



UNIVERSITAT POLITÈCNICA
DE CATALUNYA
BARCELONATECH



The UPC, first
State University
in projects
funded through the Horizon
2020 programme



UNIVERSITAT POLITÈCNICA
DE CATALUNYA
BARCELONATECH

Offering answers to companies

R+D+i
Innovation hubs
Talent (internships in companies)
UPC innovation ecosystem
Industrial Doctorates

GENERATING 0.3% OF CATALAN GDP

The UPC contributed to generating 0.3% of Catalonia's GDP in 2019. For every 100 euros of public funding it received, the UPC returned 601.5 euros to society. In terms of contribution to the labour market that year, the University directly or indirectly contributed to creating or maintaining 10,371 full-time equivalent jobs.

(Source: Impacte econòmic i retorn social de la UPC. Any 2019)

THE UPC, A UNICORN INCUBATOR

With nine entrepreneurs and six start-ups valued at over one billion euros or that may be so valued in the next two years, the UPC is one of the top universities at which founders of unicorn companies have trained.

2 983

companies
and entities
with collaboration
agreements



UNIVERSITAT POLITÈCNICA
DE CATALUNYA
BARCELONATECH



432 patents and licences in the last 10 years

10 New patents (2023)

41 Technology-based companies





103

industrial doctorate
thesis

28.7% of industrial
doctorates in Catalonia
since 2007 have been
developed at the UPC



UNIVERSITAT POLITÈCNICA
DE CATALUNYA
BARCELONATECH

The background of the slide features a complex, wavy pattern of overlapping, translucent blue and green shapes that create a sense of depth and movement. On the left side, the UPC logo is displayed in white. The logo consists of the letters 'UPC' in a large, bold, sans-serif font. Below 'UPC', the words 'Universitat', 'Politécnica de Catalunya', and 'BarcelonaTech' are stacked in a smaller, white, sans-serif font.

UPC

Universitat
Politécnica de Catalunya
BarcelonaTech

UPC,
the university of
Engineering,
Architecture,
Sciences and
Technology