



UNIVERSITAT POLITÈCNICA
DE CATALUNYA
BARCELONATECH

UPC
Universitat
Polítècnica de Catalunya
BarcelonaTech

Academic year 2024-2025



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

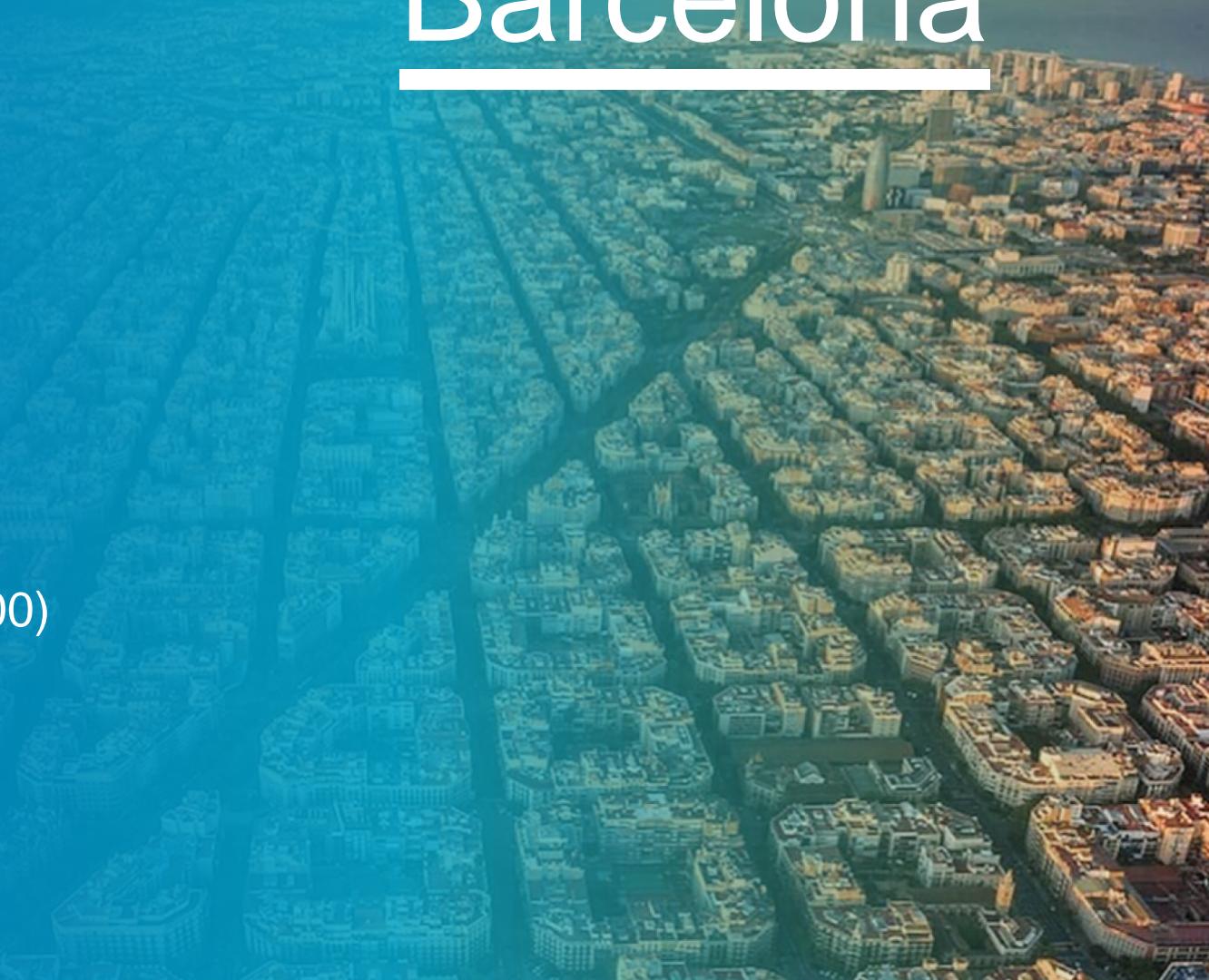


Manresa
Terrassa
Sant Cugat
Castelldefels
Vilanova i la Geltrú
Sant Adrià del Besos
Barcelona



A hub for Education, Research, Innovation and Internationalisation.

Barcelona

An aerial photograph of the Barcelona city skyline, showing a dense grid of buildings and urban infrastructure. The city is bathed in the warm light of either sunrise or sunset, with the sky transitioning from a deep blue to a golden yellow. In the distance, the Mediterranean Sea is visible under a clear sky.

... 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



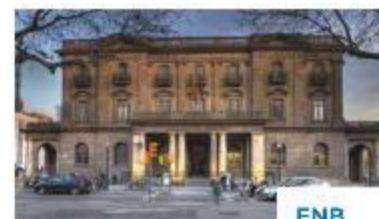
ETSETB



FIB



FME



FNB



FOOT



CFIS



CITM

18
Schools

30
Departments

141
Research groups



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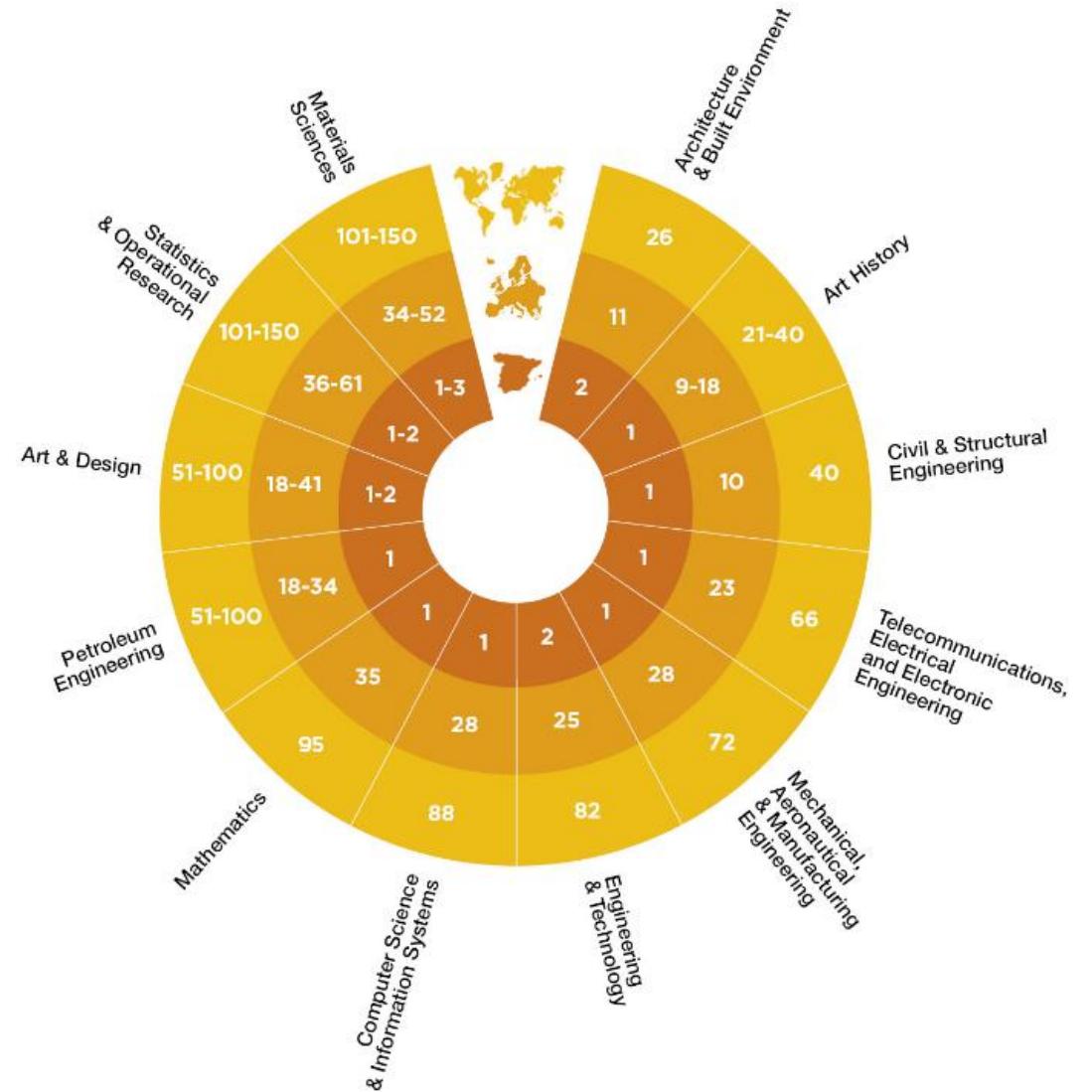
Fields

- 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, 2024

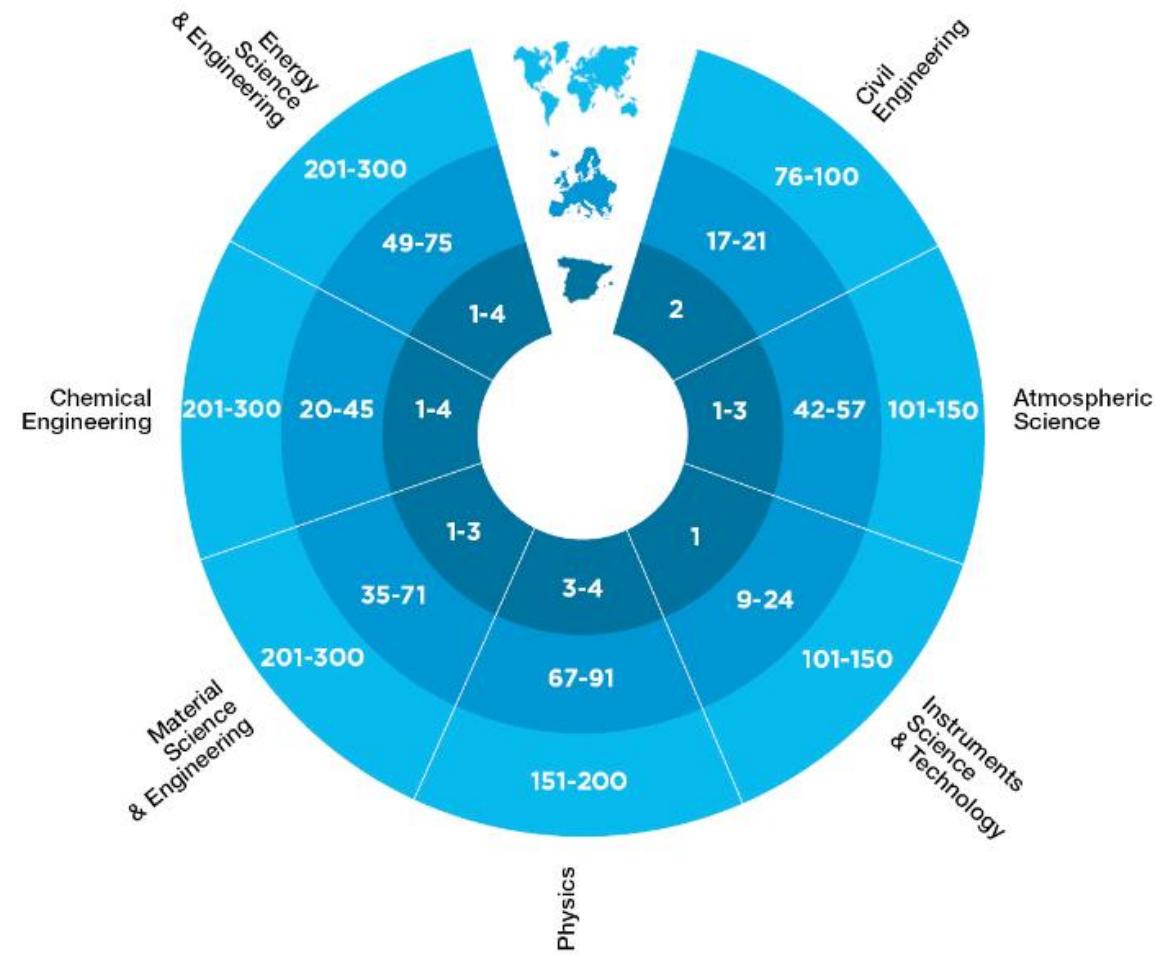


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Reputation



Shanghai Global Ranking
of Academic Subjects, 2024



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410 M€

UPC budget
(2025)

121.6 M€

Projects income
R+D+I (2024)



A university
committed to
its environment
and society





54 development cooperation
projects in 25 countries



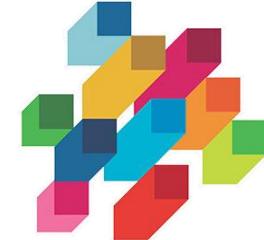
Centre de Cooperació
per al Desenvolupament



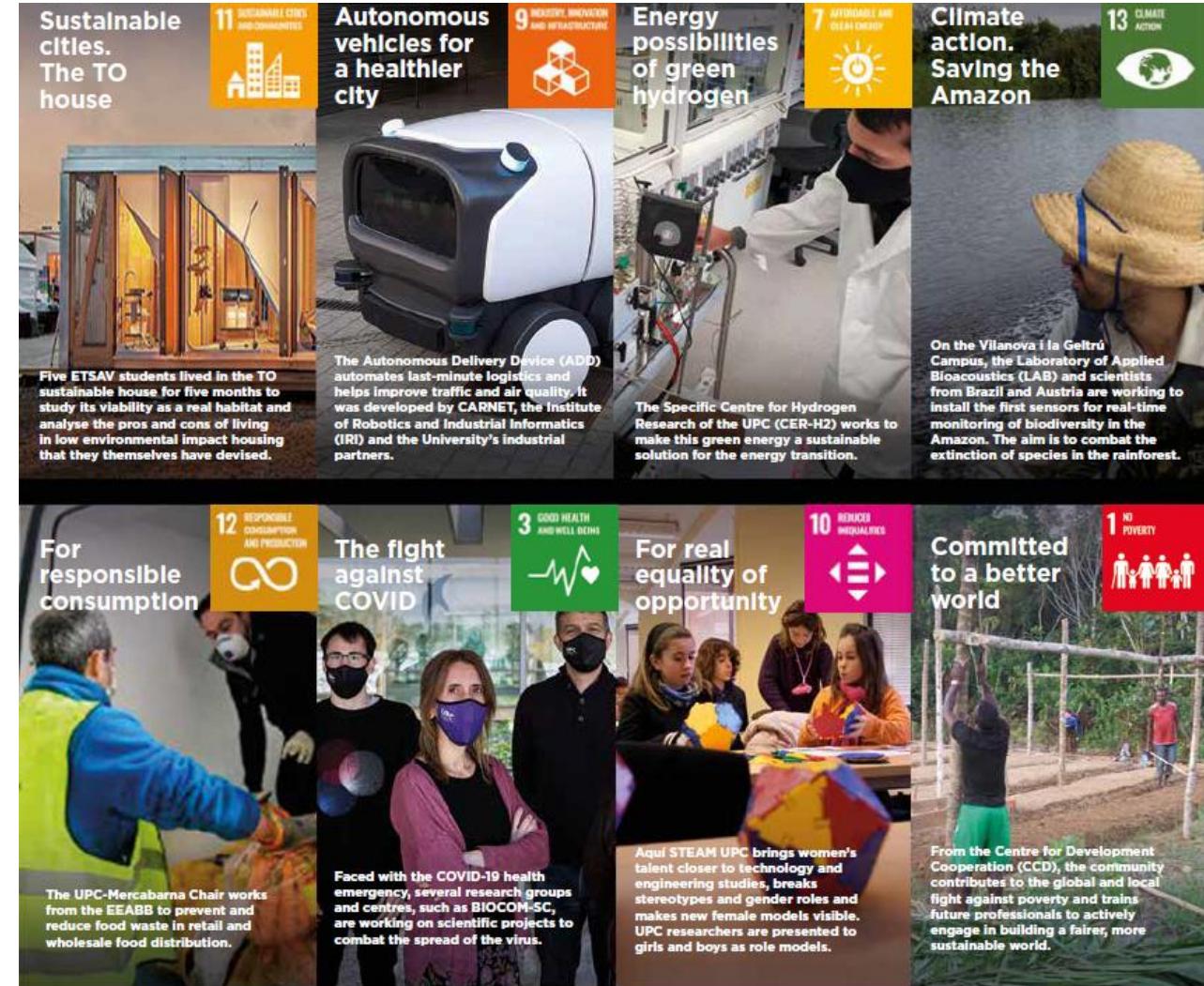
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A university aligned with the Sustainable Development Goals (SDG)

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



Accions **UPC**
per als ODS



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UPC Community



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31 327

undergraduate and
master students

2 189

PhD students

30 %

of women in the new
intake of students





3 677
teaching
and research staff

2 143
technical,
management and
administration staff



Training the professionals of the future



UNIVERSITAT POLITÈCNICA
DE CATALUNYA
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67 bachelor's
degrees

96 master's
degrees

46 PhD programmes





2 279

Continuing education
students

A photograph of a group of students in white lab coats working in a laboratory. In the foreground, two students are focused on a task on a table, with one pointing at something. Behind them, two other students are working at a bench. The table is covered with various laboratory equipment, including a multimeter, a calculator, and several containers labeled with chemical formulas like $H_2SO_4(aq)$ and $Pb(s)$.

88%

of graduates work
in less than 6
months

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)

TIME
(Top Industrial Managers for Europe)

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

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.

HERITAGE Network

GUNI
(Global University Network for innovation)

UNITECH
(Network of technological universities and European companies)

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



European Institute of
Innovation & Technology

The EIT is a body of the European Union



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



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A group of diverse students are taking a selfie together outdoors. They are smiling and looking at the camera. The background shows a modern building with large windows and some greenery.

1 555

Student exchange agreements
with

695

Higher Education Institutions
from 57 different countries

54

International Double Degree
programmes with 30
universities





3 176

students in international
exchange programmes

28%

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

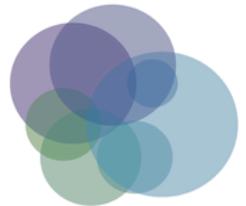
54%

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

Unite!, the creation of the future European university



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



U LISBOA | UNIVERSIDADE DE LISBOA



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Worcester University of Science and Technology



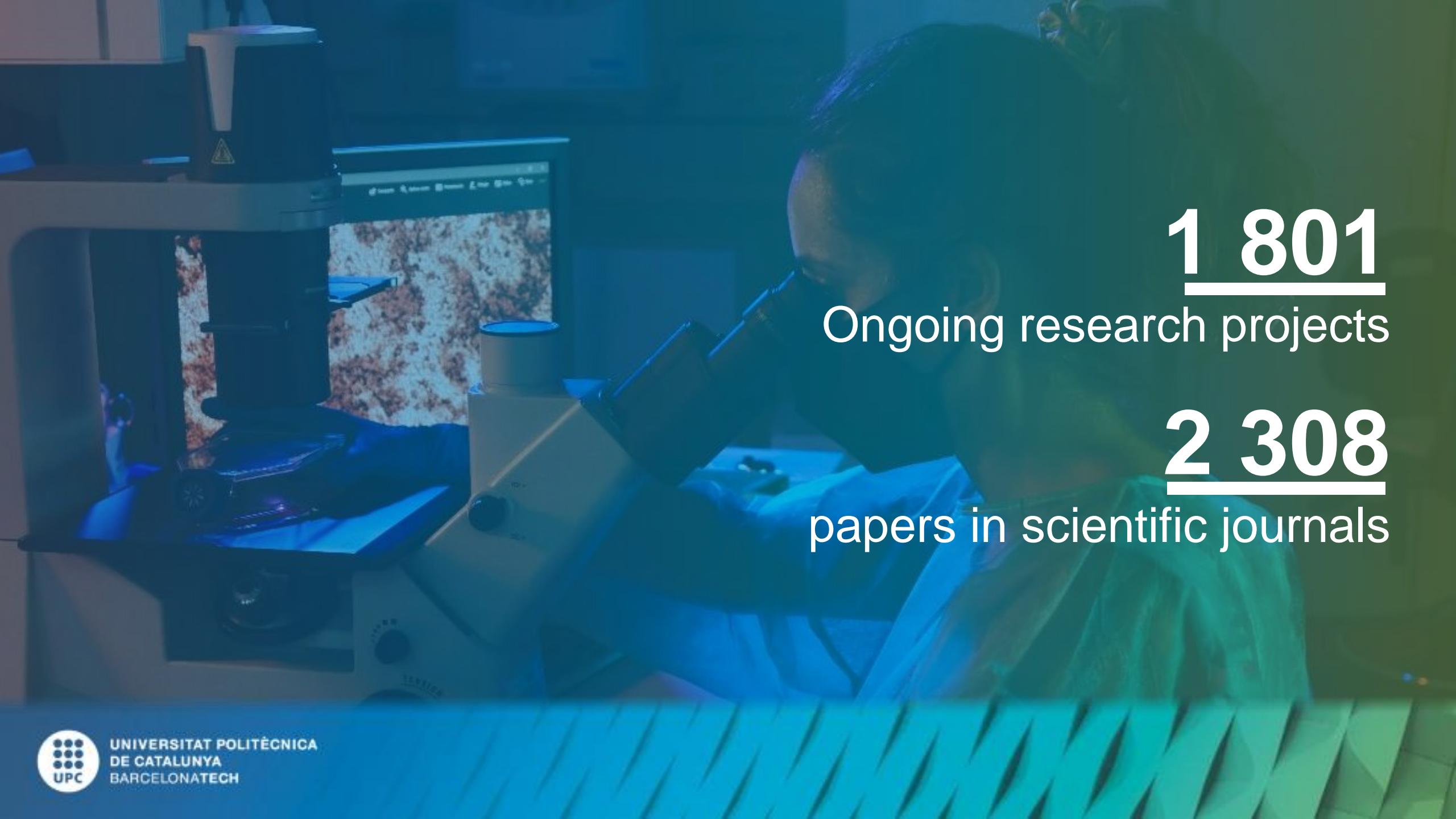
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Research to innovate



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1 801

Ongoing research projects

2 308

papers in scientific journals





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



Offering answers to companies

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

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.

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.

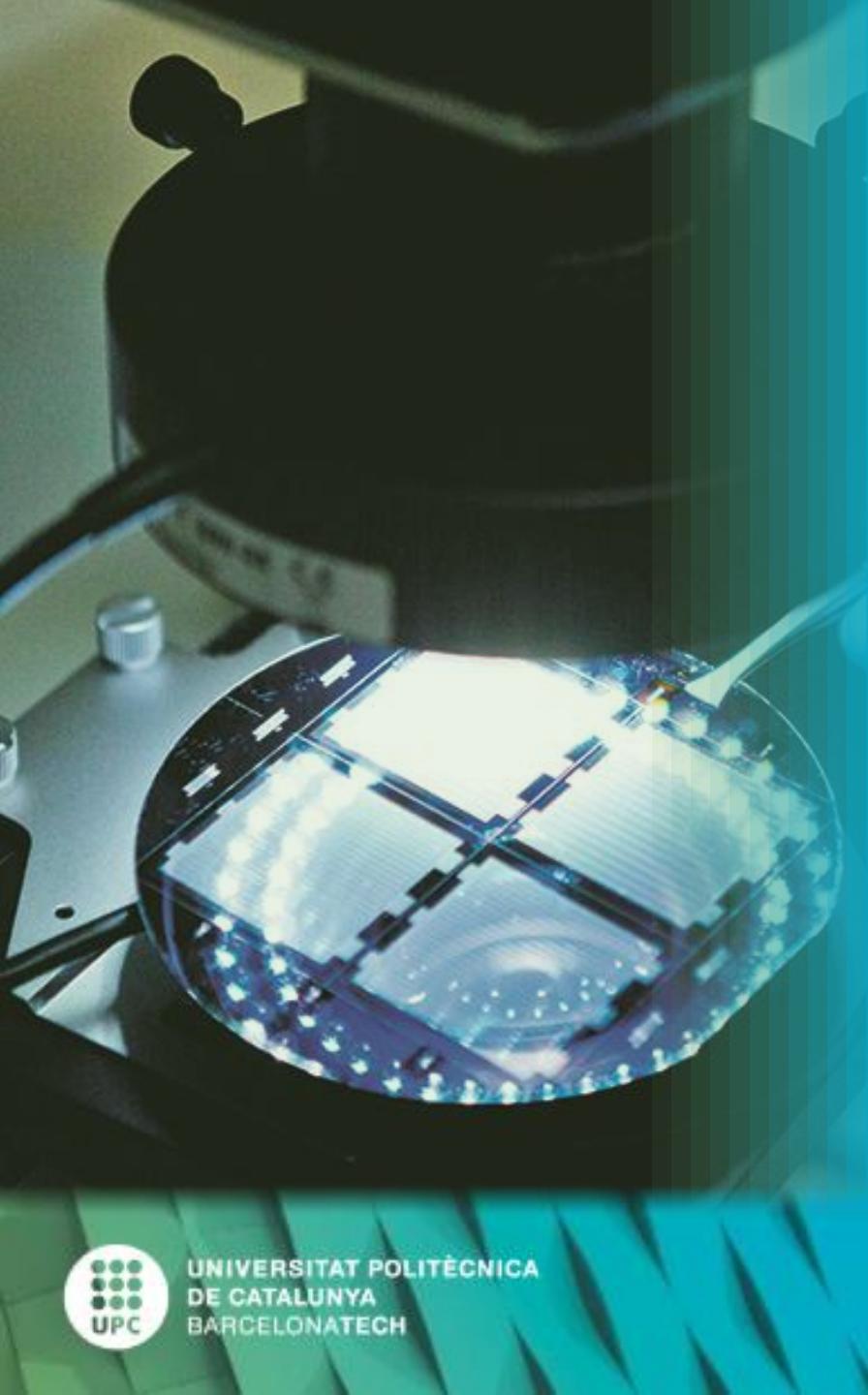
In terms of contribution to the labour market that year, the University directly or indirectly contributed to creating or maintaining 10,371 full-time equivalent jobs.

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



2 983
companies
and entities
with collaboration
agreements



A high-magnification photograph of a microchip under a microscope. The chip is rectangular with a grid of blue and white components. A thin wire is attached to one of the chip's pads, and a metal probe is being used to touch another pad. The background is dark, and the chip is brightly lit from below.

432

patents and licences in the last 10
years

10

New patents (2023)

41

Technology-based companies

A photograph showing two researchers in white lab coats working in a laboratory. One researcher is in the foreground, looking down at a microscope stage. The other researcher is in the background, also working with a microscope. There are several small framed photographs or slides on the lab bench, and a notebook with a pen is visible. The lighting is bright and focused on the work area.

103

industrial doctorate
thesis

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

UPC

Universitat

Politécnica de Catalunya

BarcelonaTech

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