



UNIVERSITAT POLITÈCNICA  
DE CATALUNYA  
BARCELONATECH

# UPC

Universitat  
Politécnica de Catalunya  
BarcelonaTech

Academic year 2024-2025

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# 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  
● Barcelona  
Castelldefels ●  
● Vilanova i la Geltrú



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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

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

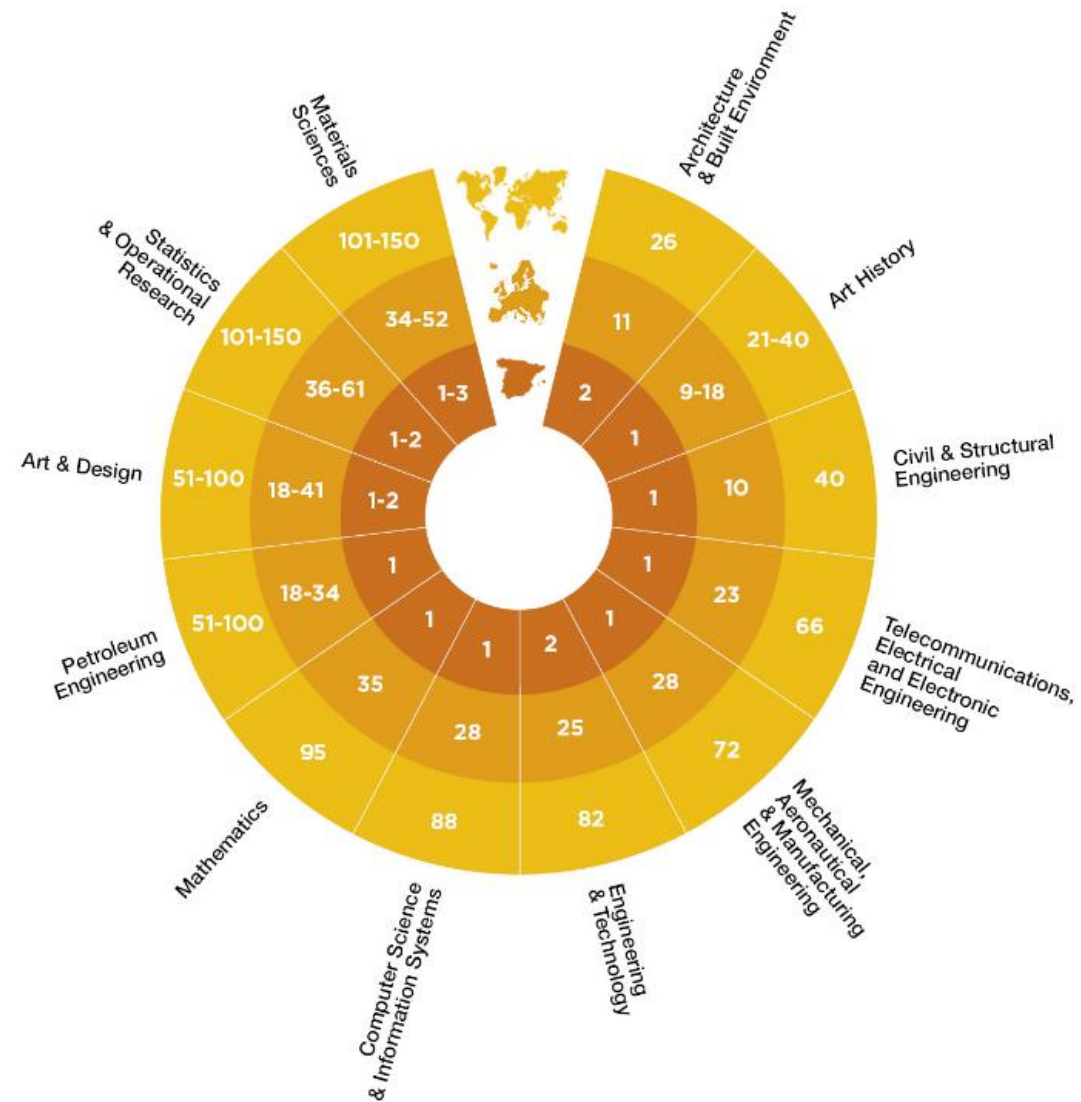
- ☐ Architecture and Urban Planning.
- ☐ Aerospace Engineering
- ☐ Agricultural and Biosystems Engineering
- ☐ Civil, Environmental and Geological Engineering
- ☐ Computer Science
- ☐ Engineering for Industry: Energy, Biomedical, Chemical, Electrical, Materials and Mechanical, Naval, Maritime and Nautical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



# Reputation



QS World University  
Rankings by Subject, 2024

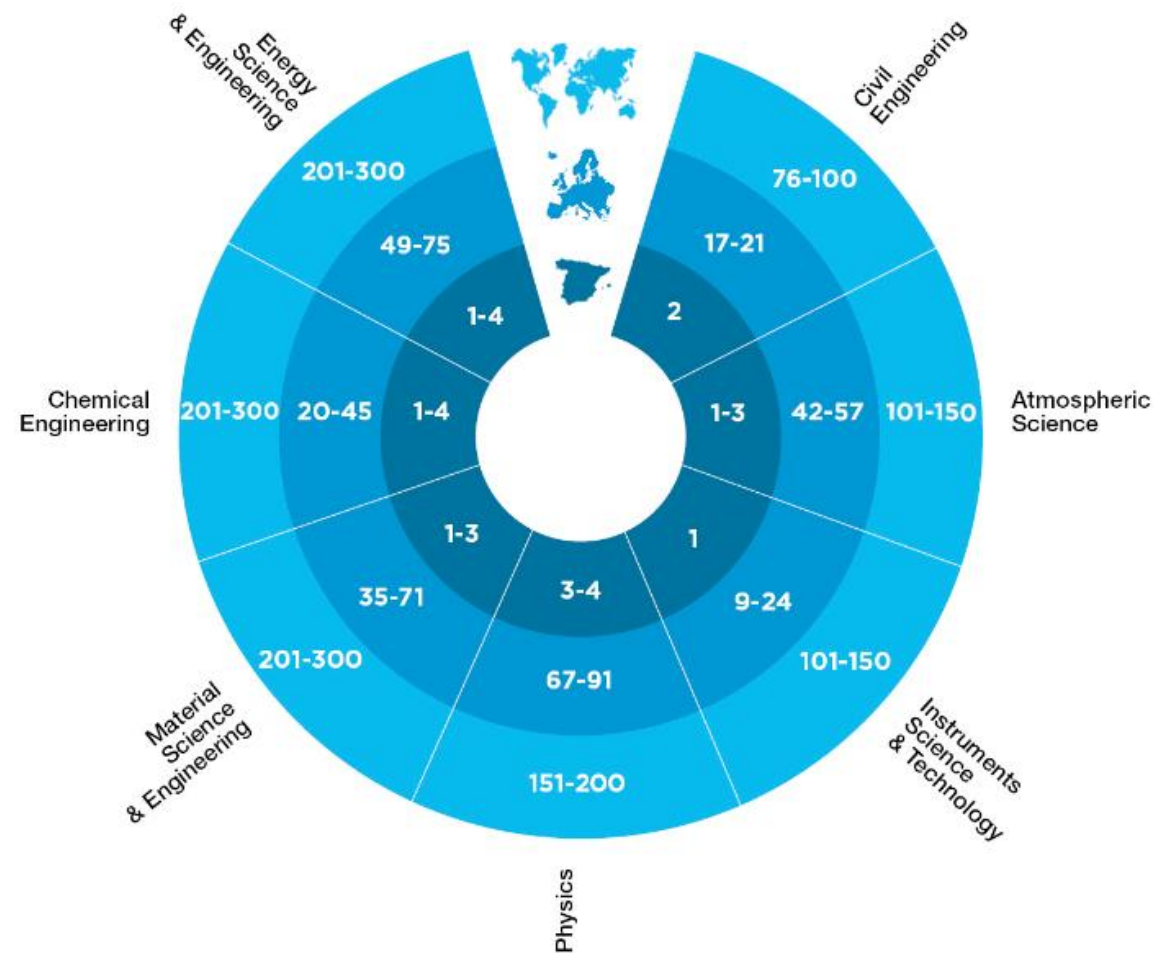


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# Reputation



Shanghai Global Ranking  
of Academic Subjects, 2024







# 410 M€

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UPC budget  
(2025)

# 121.6 M€

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Projects income  
R+D+I (2024)



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



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54 development cooperation  
projects in 25 countries



Centre de Cooperació  
per al Desenvolupament

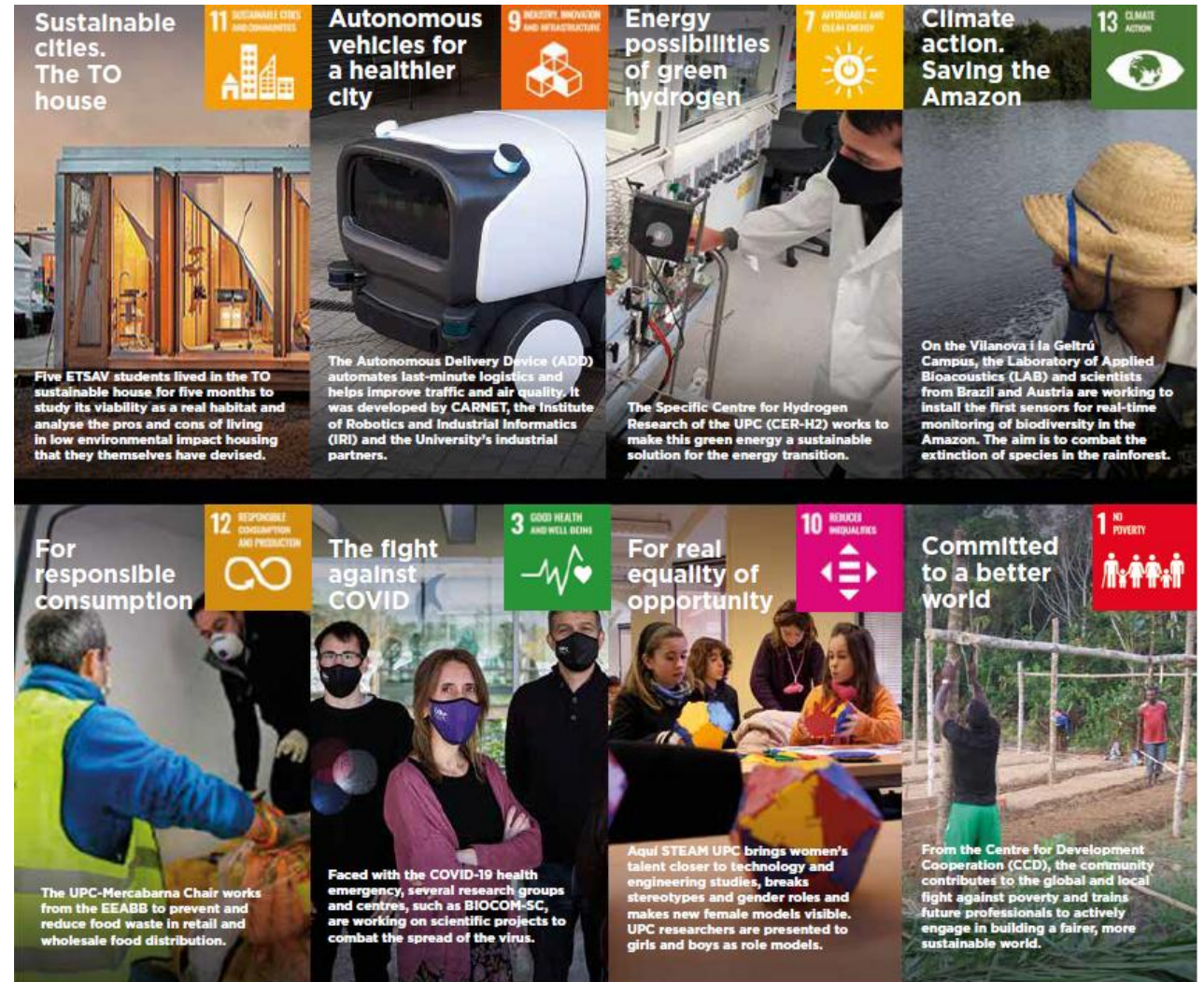


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# A university aligned with the Sustainable Development Goals (SDG)

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







# 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



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3 677

teaching  
and research staff

2 143

technical,  
management and  
administration staff



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# Training the professionals of the future



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67 bachelor's  
degrees

96 master's  
degrees

46 PhD programmes



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2 279

Continuing education  
students



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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, bottles, and tools. One bottle is labeled with the chemical formula  $\text{H}_2\text{SO}_4(\text{aq}) + \text{Pb}(\text{s})$ . The background shows large windows and other lab equipment.

88%

of graduates work  
in less than 6  
months



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# 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)

**GUNI**  
(Global University  
Network for  
innovation)

**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.

**HERITAGE Network**

**UNITECH**  
(Network of technological universities and  
European companies)

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



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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 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



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# 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



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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

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# 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**

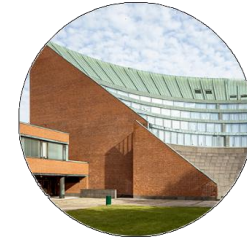
ERC grants at Unite!  
universities (2007-  
2021)

  
**2,630**

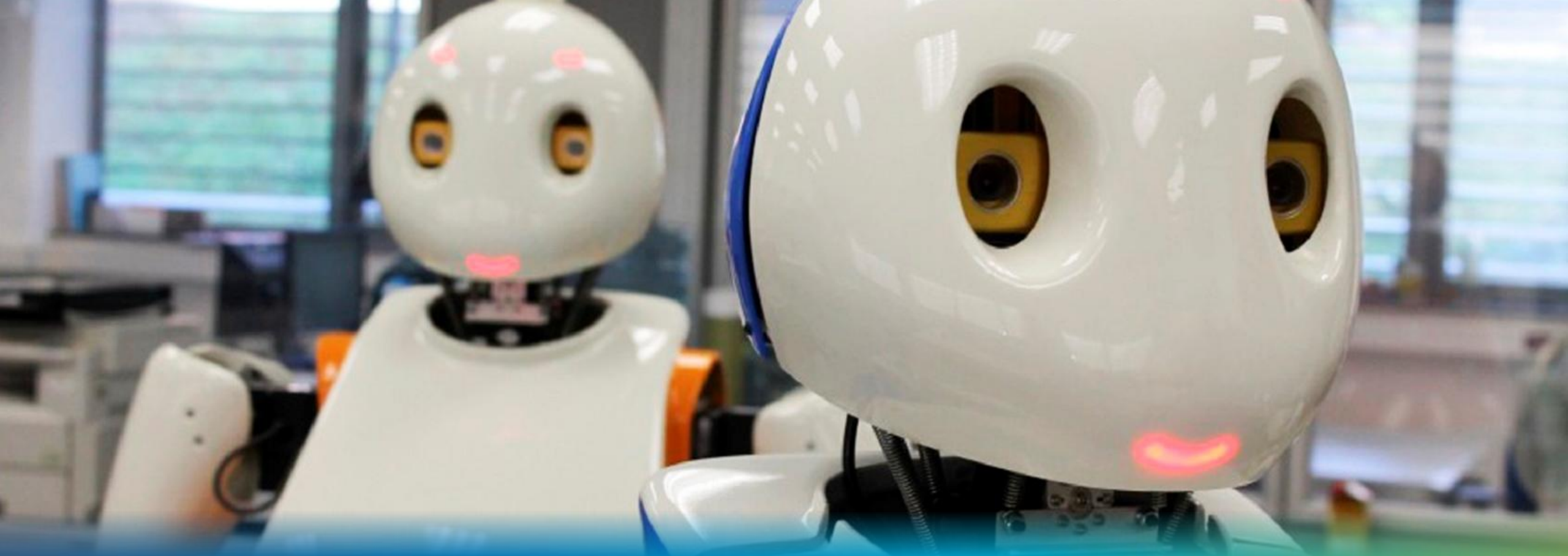
PhD graduates of  
Unite! universities per  
year (2020)

  
**799**

Startups founded in  
the last 5 years



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**Research to innovate**



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1 801


Ongoing research projects

2 308

papers in scientific journals



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



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# 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.

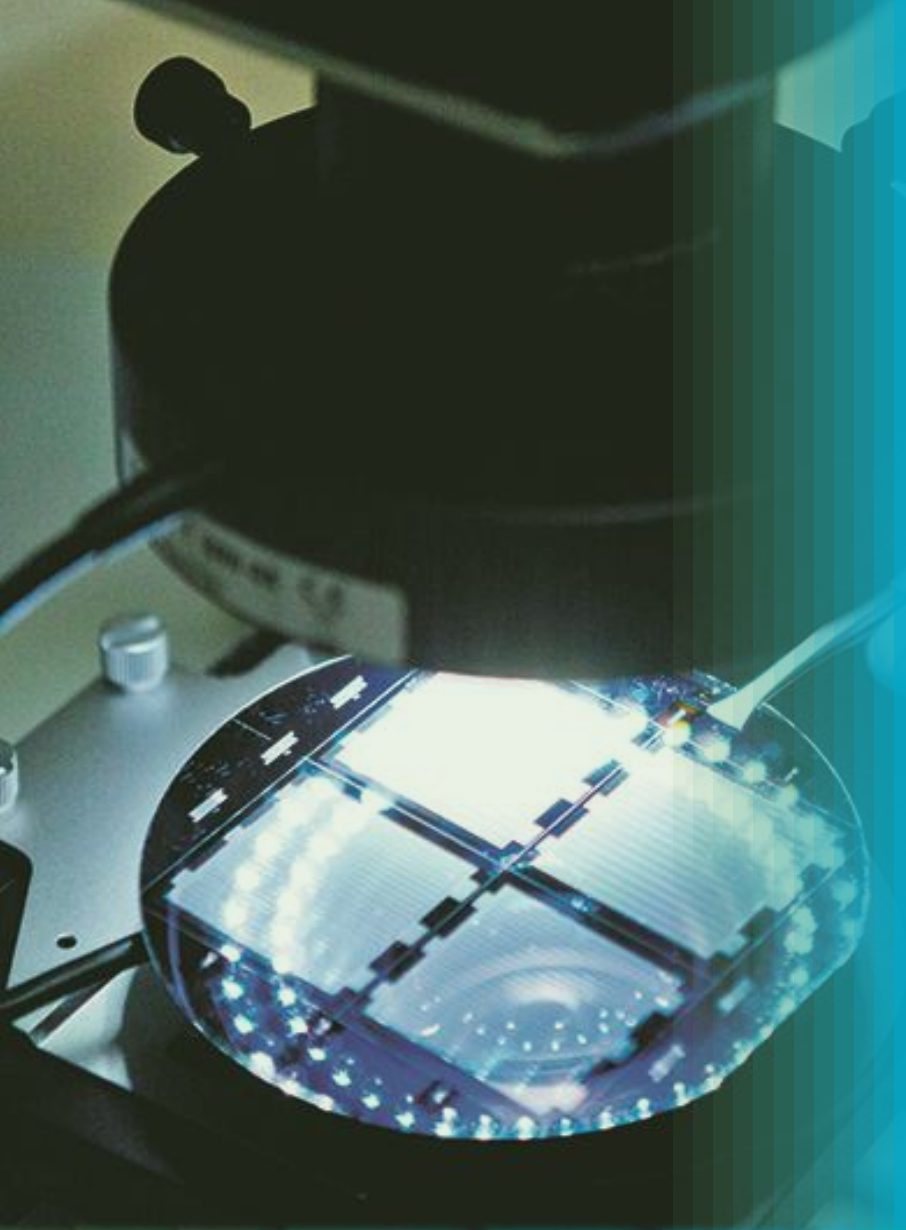
2 983

companies  
and entities  
with collaboration  
agreements



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**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



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The background of the slide features a dynamic, abstract pattern of overlapping, wavy, paper-like folds in various shades of blue and teal. The pattern creates a sense of depth and movement, with the folds curving and undulating across the frame. The colors transition from a deep blue on the left to a lighter, more vibrant teal on the right.

# UPC

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