



UNIVERSITAT POLITÈCNICA  
DE CATALUNYA  
BARCELONATECH

# UPC

Universitat  
Politècnica de Catalunya  
BarcelonaTech

Academic year 2023-2024

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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



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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>1 636 732</b>	Inhabitants
<b>3 719 096</b>	Inh. Metropolitan Area
<b>112,4</b>	GDP per capita (Index EU27=100)
<b>66 436 346</b>	kTn harbour total transit (2021)
<b>52 657 600</b>	Airport passengers (2019)
<b>471 885</b>	Companies (BCN region)
<b>8 908</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

**209**

Research groups



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# Fields

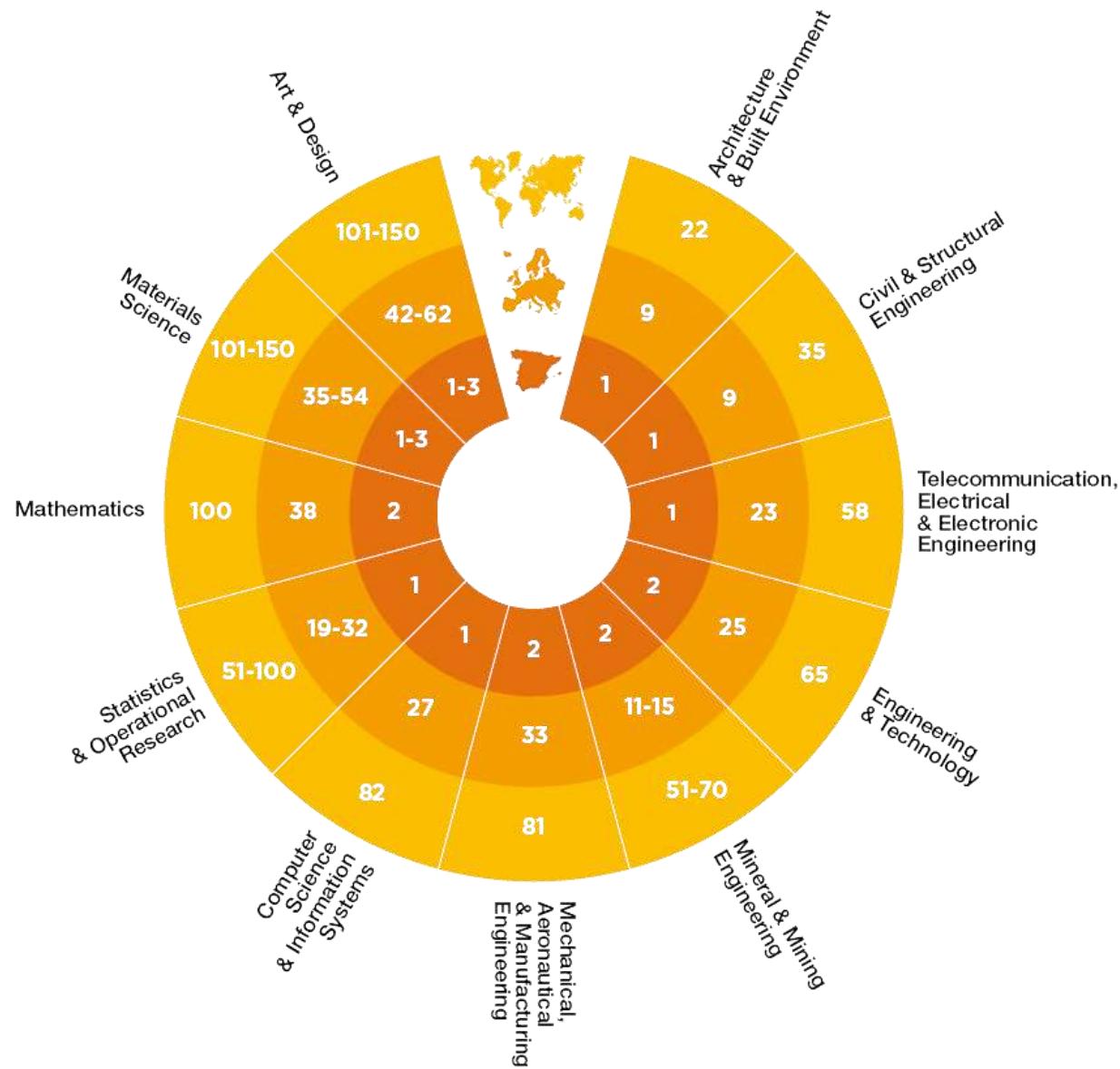
- ❑ Architecture and Urban Planning.
- ❑ Aerospace Engineering
- ❑ Agricultural and Biosystems Engineering
- ❑ Civil, Environmental and Geological Engineering
- ❑ Computer Science
- ❑ Engineering for Industry: Energy, Biomedical, Chemical, Electrical, Materials and Mechanical, Naval, Maritime and Nautical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



# Reputation



QS World University  
Rankings by Subject, 2023

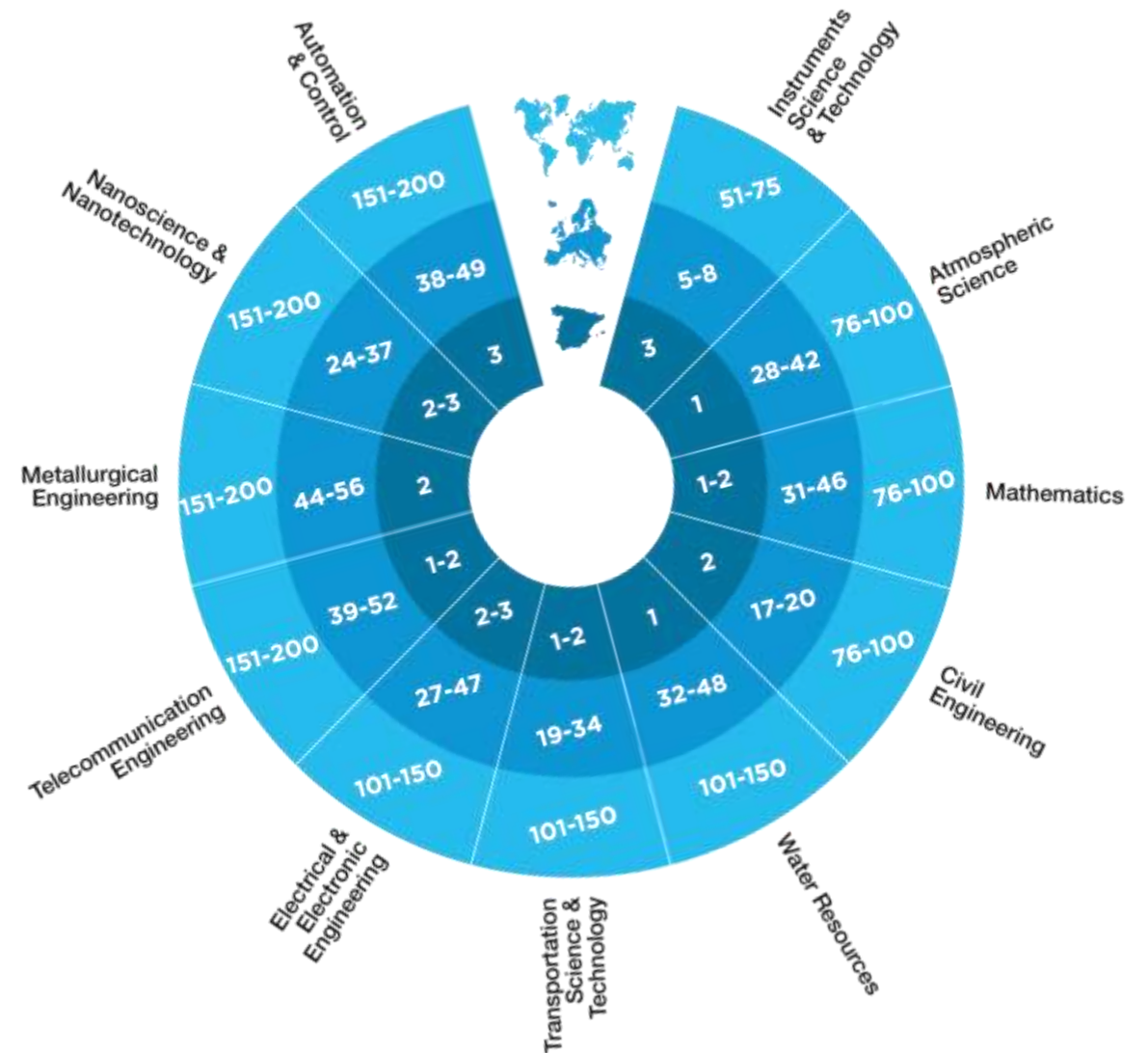


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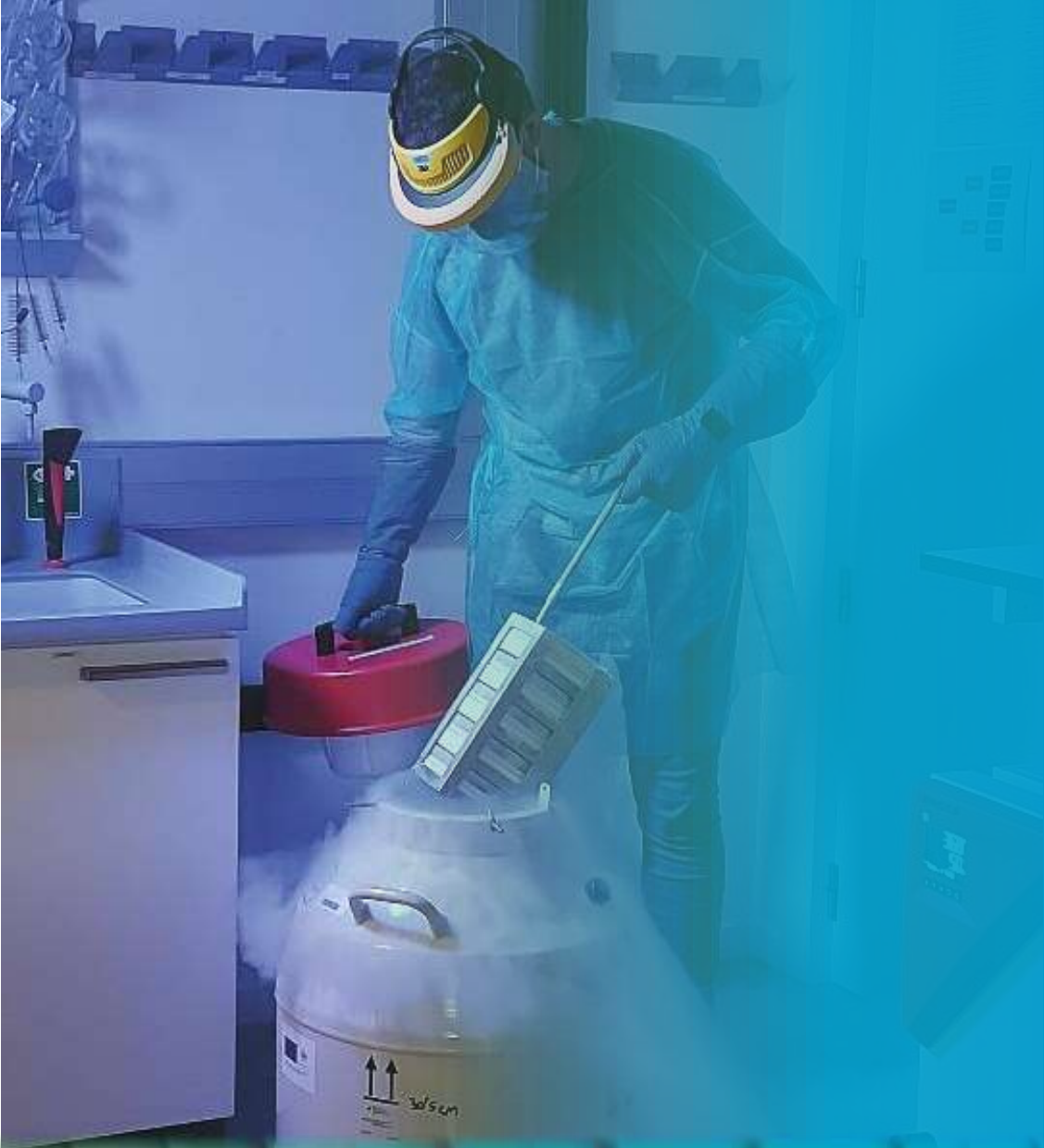
# Reputation



Shanghai Global Ranking  
of Academic Subjects, 2022







**317.3 M€**

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UPC budget  
(2022)

**72.7 M€**

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Projects income  
R+D+I (2021)



# A university committed to its environment and society







**53** development cooperation  
projects in 21 countries



Centre de Cooperació  
per al Desenvolupament

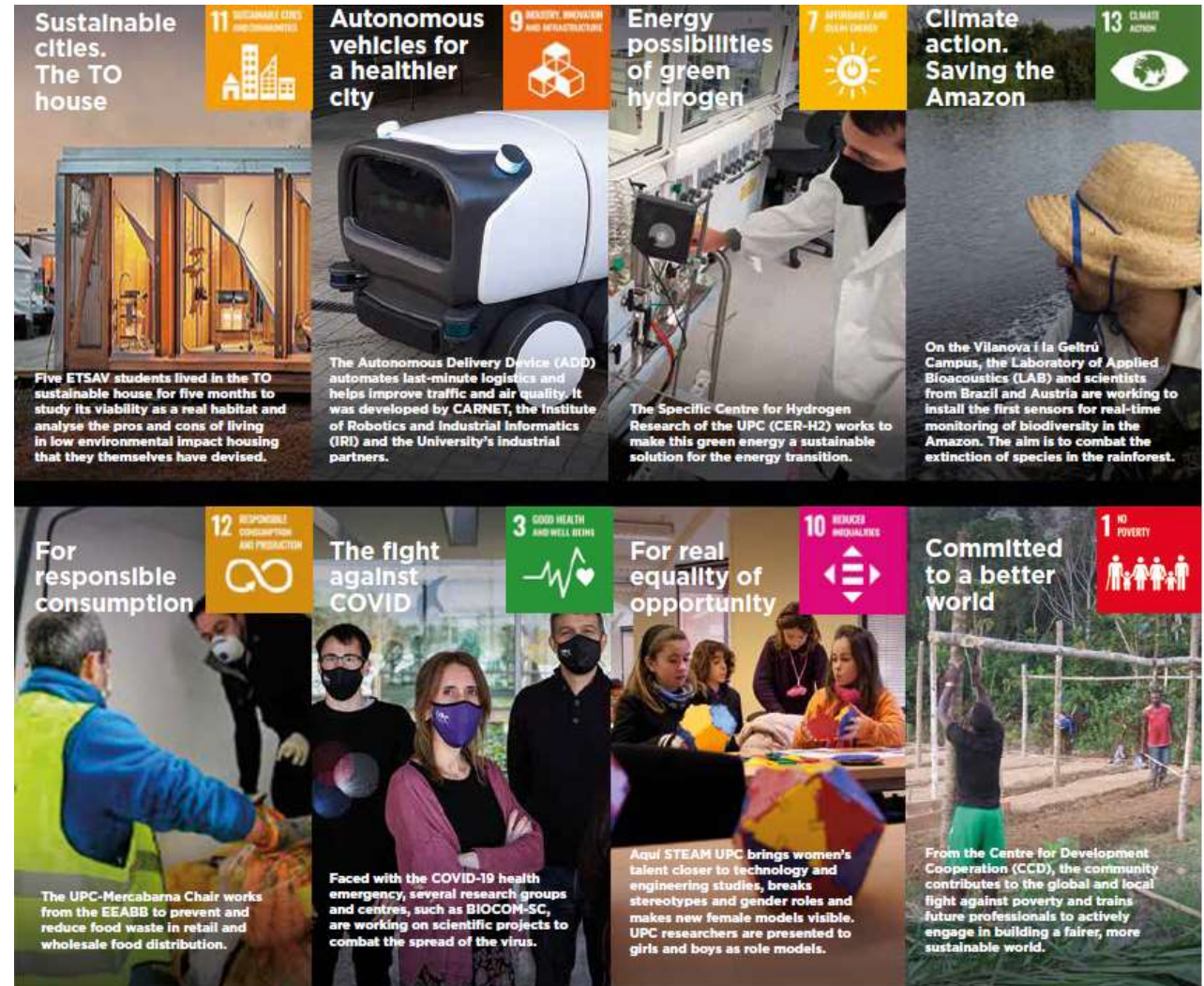


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# A university aligned with the Sustainable Development Goals (SDG)

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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**29 812**

undergraduate and  
master students

**2 107**

PhD students

**31 %**

of women in the new  
intake of students







**3 523**

teaching  
and research staff

**2 074**

Administration and  
services staff





# Training the professionals of the future



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**65** bachelor's  
degrees

**84** master's  
degrees

**45** PhD programmes





**275** Life-long learning  
programmes



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**90%**

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 alliances

The UPC in international networks

**CASB**  
(Consortium for Advanced Studies in Barcelona)

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

**RedEmprendia**  
(Red de universidades iberoamericanas emprendedoras)

**AUIP**  
(Asociación Universitaria Iberoamericana de Postgrado)

**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)

**RMEI**  
(Réseau Méditerranéen des Écoles d'Ingénieurs)

**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)





European Institute of  
Innovation & Technology

The EIT is a body of the European Union



KIC InnoEnergy



UrbanMobility



RawMaterials



Health



Manufacturing

**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 up to take the picture. They are sitting on a wooden bench in front of a modern building with large windows. The image has a light blue and green color overlay.

**1 551**

Student exchange agreements  
with

**716**

Higher Education Institutions

**34**

International Double Degree  
programmes with 26  
universities







**2 756**

students in international  
exchange programmes

**30%**

of master's students are  
international, 79% of them  
are from outside the EU

**55%**

of PhD students are  
international, 82.5% 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



Aerial view of Barcelona cityscape.



Logos of partner organizations: A\*, INP, and others.

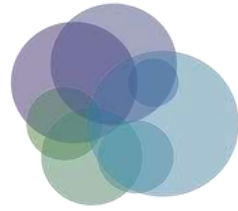
**Unite!,  
the creation of the  
future European  
university**

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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**

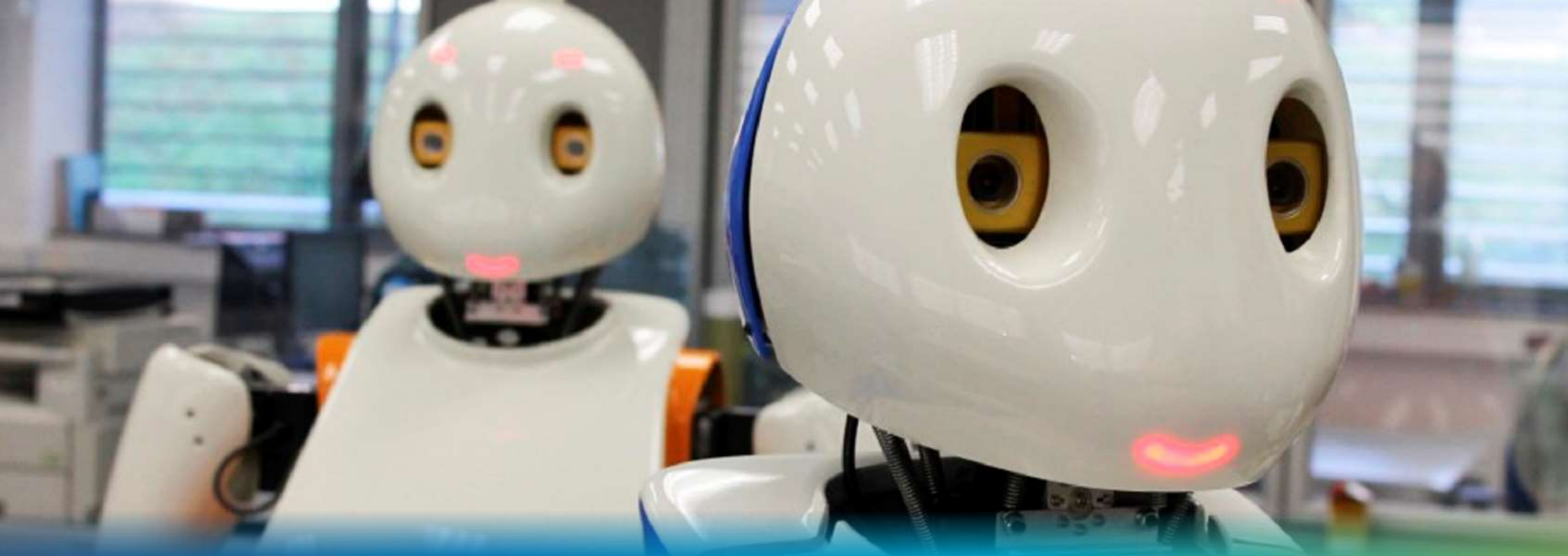
PhD graduates of  
Unite! universities per  
year (2020)

  
**799**

Startups founded in  
the last 5 years



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**Research to innovate**



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691

active agreements


767

research projects

2 588

papers in scientific journals



A pipette is shown dispensing a red liquid into a petri dish. The background is a grid pattern. There are also some white, porous-looking objects on the grid.

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)*

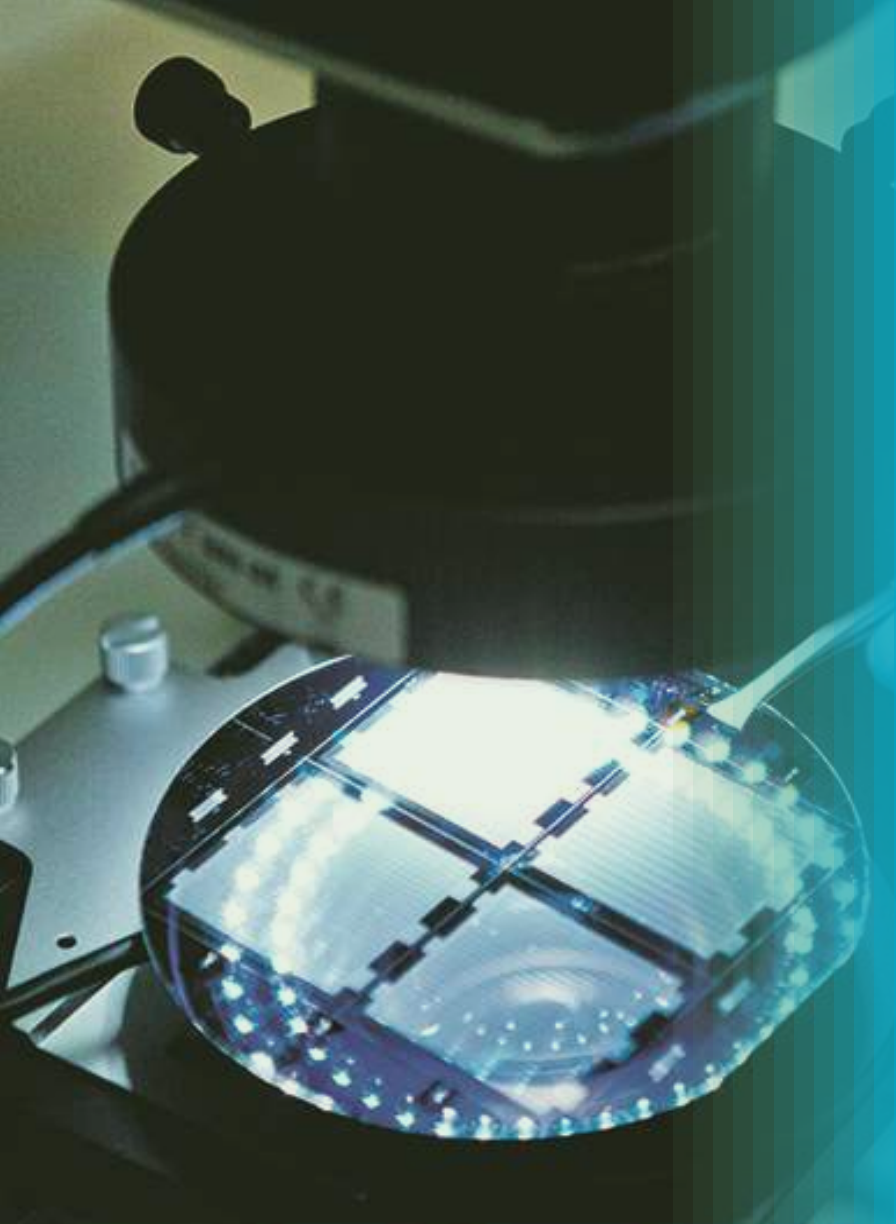
2 998

companies  
and entities  
with collaboration  
agreements



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**19**

patents registered last year

**587**

international patents and licences in the last 10 years

**38**

technology-based companies investee





# 103

industrial doctorate  
thesis

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





The background of the slide features a complex, 3D-like pattern of overlapping, wavy, geometric shapes in various shades of blue and teal. The pattern creates a sense of depth and movement, resembling a stylized architectural or natural structure. The colors transition from a darker blue on the left to a lighter, more vibrant teal on the right.

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