



UNIVERSITAT POLITÈCNICA
DE CATALUNYA
BARCELONATECH

UPC

Universitat
Politécnica de Catalunya
BarcelonaTech

Academic year 2022-2023



UNIVERSITAT POLITÈCNICA
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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
Castelldefels ● **Barcelona**
● Vilanova i la Geltrú



UNIVERSITAT POLITÈCNICA
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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

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





EEABB



EEBE



EETAC



EPSEB



EPSEM



EPSEVG



ESEIAAT



ETSAB



ETSAV



ETSECCPB



ETSEIB



ETSETB



FIR



FME



FNR



FOOT



CFIS



CITM

18

Schools

30

Departments

209

Research groups



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Fields

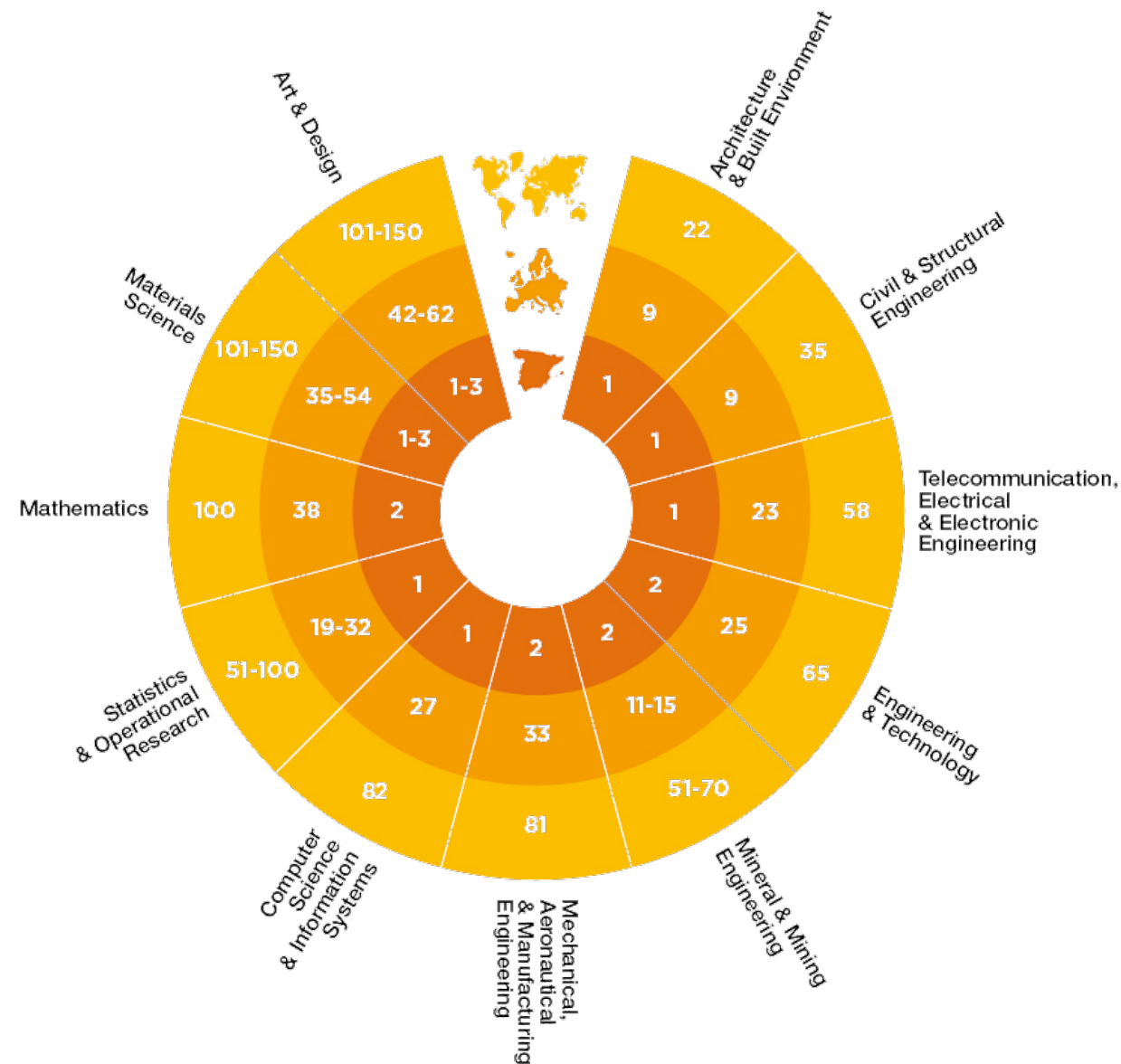
- ☐ Architecture and Urban Planning.
- ☐ Aerospace Engineering
- ☐ Agricultural and Biosystems Engineering
- ☐ Civil, Environmental and Geological Engineering
- ☐ Computer Science
- ☐ Engineering for Industry: Energy, Biomedical, Chemical, Electrical, Materials and Mechanical, Naval, Maritime and Nautical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



Reputation



QS World University
Rankings by Subject, 2023

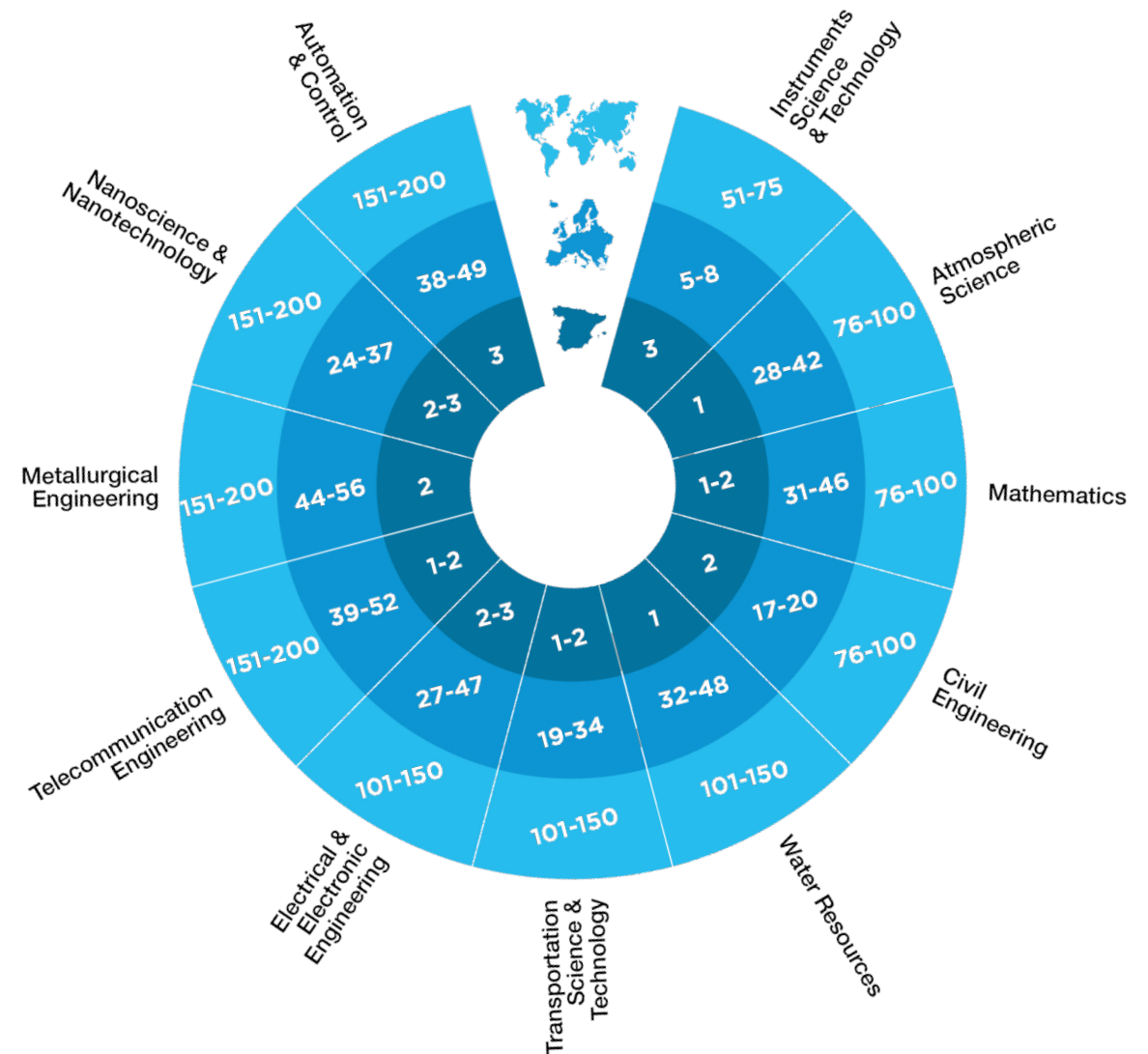


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Reputation



Shanghai Global Ranking
of Academic Subjects, 2022





317.3 M€

UPC budget
(2022)

72.7 M€

Projects income
R+D+I (2021)



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A university committed to its environment and society



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53 development cooperation
projects in 21 countries



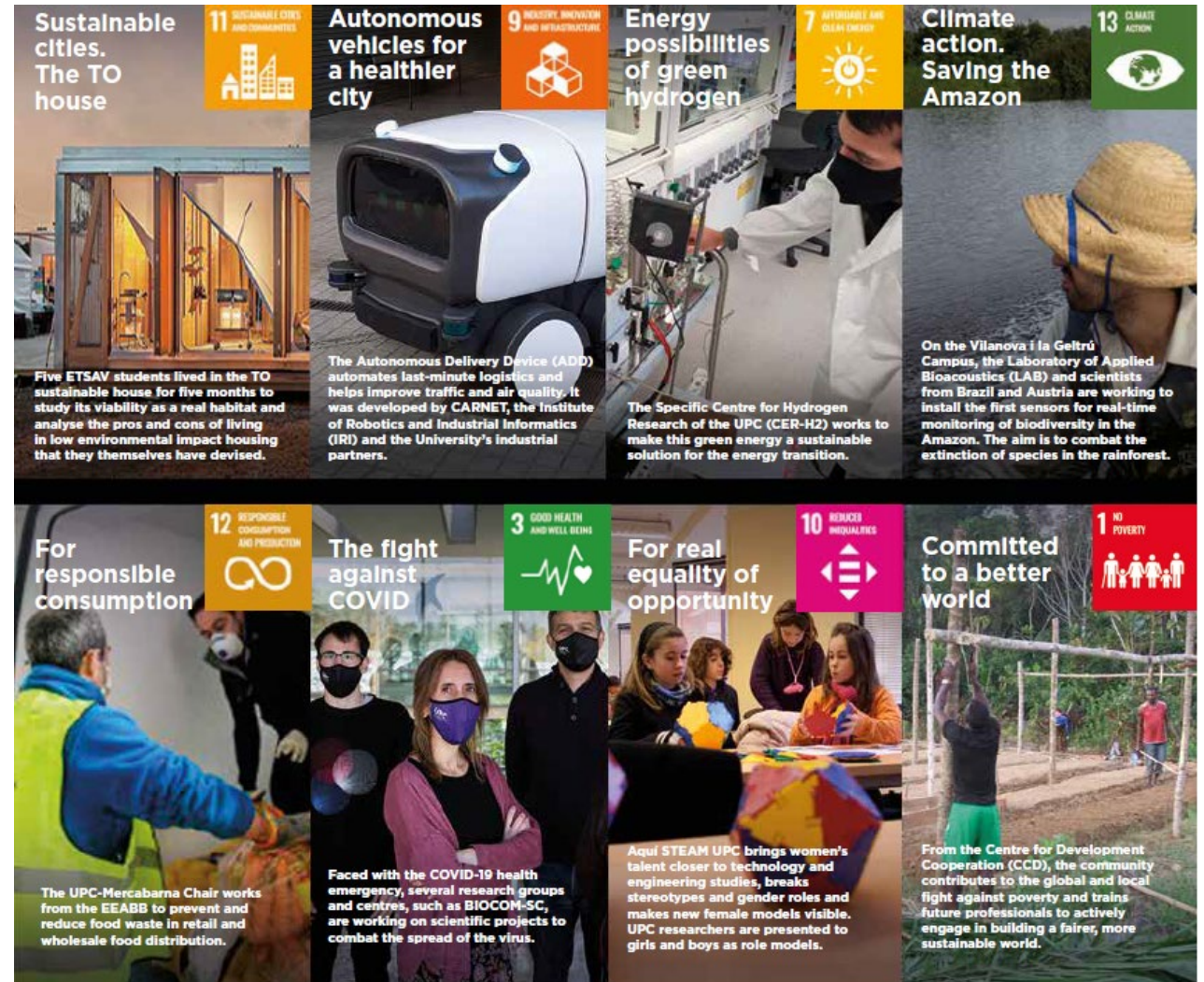
Centre de Cooperació
per al Desenvolupament



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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



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3 523

teaching
and research staff

2 074

Administration and
services staff



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Training the professionals of the future



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65 bachelor's
degrees

84 master's
degrees

45 PhD programmes



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275 Life-long learning
programmes



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A photograph of five students in white lab coats working in a chemistry laboratory. They are gathered around a table, focused on their work. The table is cluttered with various lab equipment, including beakers, a scale, and some containers labeled with chemical formulas like $\text{H}_2\text{SO}_4(\text{aq}) + \text{Pb}(\text{aq})$. In the background, there are large windows and more lab equipment. A blue semi-transparent overlay covers the right side of the image, containing white text.

90%
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 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



**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. The image is overlaid with a semi-transparent blue and green gradient. On the right side, there are three statistics presented in white text with horizontal lines underlining the numbers.

1 640

Student exchange agreements
with

767

Higher Education Institutions

34

International Double Degree
programmes with 26
universities



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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



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)



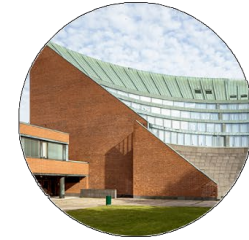
2,630

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



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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.



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2 998

companies
and entities
with collaboration
agreements



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A close-up photograph of a microscope's objective lens positioned over a glowing, intricate microchip. The chip is illuminated with a bright blue light, revealing its complex circuitry and patterns. The background is dark, emphasizing the chip and the microscope's components.

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



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The background of the entire image is a dynamic, abstract graphic composed of numerous overlapping, wavy, and folded paper-like shapes. These shapes create a sense of depth and movement, with colors ranging from deep blue on the left to a vibrant green on the right. The overall effect is reminiscent of a modern architectural facade or a complex, organic structure.

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