

# UPC:



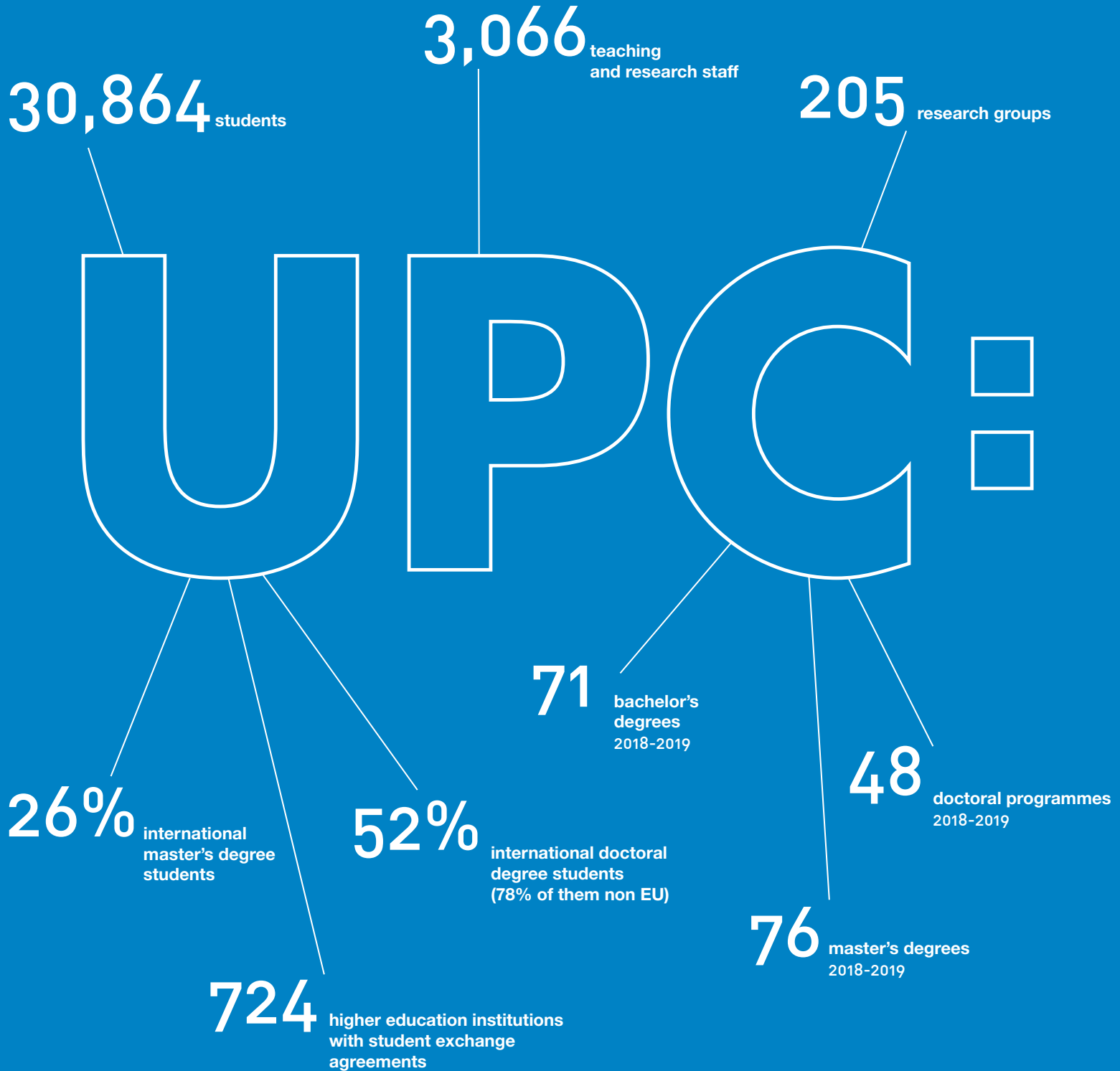
UNIVERSITAT POLITÈCNICA  
DE CATALUNYA  
BARCELONATECH

*International Campus of Excellence*

# KNOWLEDGE AREAS

- **Aeronautical and Aerospace Engineering**
- **Agriculture and Biosystems Engineering**
- **Applied Sciences: Mathematics, Statistics, Physics, Optics and Photonics**
- **Architecture, Urbanism and Building Construction**
- **Civil, Environmental and Geological Engineering**
- **Informatics Engineering**
- **Industrial Engineering: Energy, Biomedical, Chemical, Electrical, Mechanical and Materials Engineering**
- **Naval, Marine and Nautical Engineering**
- **Telecommunications and Electronic Systems**





# TEACHING

At the UPC students are trained to become professionals in engineering, architecture, sciences and technology who have the knowledge, abilities and skills to take on new challenges in keeping with technological efficiency and sustainability criteria. The UPC teaches bachelor's, master's and doctoral degrees and continuing education courses that are complemented by international mobility and double degree programmes. Students' participation and leadership in research projects and work placements foster their relations with the world of work and bolster their autonomy and initiative. The University is therefore a space for knowledge that stimulates learning and personal growth with a dynamic, motivating teaching model.

**71**   
bachelor's degrees  
2018-2019

**76**   
master's degrees  
2018-2019

**25** taught entirely in English  
**6** Erasmus Mundus

**48**   
doctoral programmes  
2018-2019  
**3** Erasmus Mundus



**30,864**  
bachelor's, master's  
and doctoral degree  
students

**559**  
doctoral degree holders  
2015-2016



**48**  
international double-degree  
agreements with 33 universities



**724**  
higher education institutions  
with student exchange agreements

**7,061**  
graduates of bachelor's  
and master's degrees  
2015-2016

**54,440**  
UPC alumni



**2,828**  
students on international  
mobility programmes

**1,414**  
incoming students  
**1,414**  
outgoing students



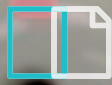
# RESEARCH

Its leadership in research and innovation projects, the talent and rigour of its researchers and its network of cutting-edge facilities and equipment are the basis of the UPC's impressive positions in the main international scientific output rankings. Over the last few years, the University has consolidated its role as a key agent in the progress of an economy that is increasingly based on knowledge and innovation and on collaboration and alliances with other research centres and researchers the world over.



2,131

indexed scientific articles



559

doctoral theses defended



138

scientific and technical distinctions received



205

research groups

10

TECNIO network research centres

18

specific research centres

15

associated research entities



# KNOWLEDGE TRANSFER

The UPC generates knowledge and transfers it to industry with the aim of increasing businesses' capacity for innovation and competitiveness. One of its most significant lines of work is forging alliances, which are often international in nature, with large companies, institutions and corporations. It also attends to the needs of small and medium-sized businesses that wish to innovate, for which cooperating with the UPC has a multiplying effect. This activity takes shape in numerous agreements and research projects, the creation of technology-based companies, the generation and exploitation of patents and the scientific and technical services and facilities that Parc UPC makes available in order to generate progress and create jobs.



**1,068**

new research agreements and projects



**58,8** MEUR

income from R&D projects  
(2016)



**12**

technology-based companies  
setup in the last year



**51**

patents registered  
in the last year



**2,697**

companies and entities  
with collaboration agreements



**4,884**

students on internship



# ALLIANCES

The UPC has woven, through the actions of the people of which it is composed, a complex network of international alliances with other universities, research institutions and companies. These alliances lead to new projects and are the basis for a good number of initiatives in which the word 'collaboration' plays a key part. A global, interconnected world that fosters the sharing of knowledge and experiences is the setting for these alliances without borders.

358

academic cooperation agreements  
with international institutions

662

new institutional  
agreements  
in the last year

---

Presence of the UPC in Shanghai through  
SINO Spanish Campus at Tongji University

SINO -  
SPANISH  
CAMPUS

中西  
學院

CAMPUS  
SINO -  
HISPÁNICO

---

# INTERNATIONAL NETWORKS

- AUIP.** Ibero-American University Association for Postgraduate Studies
- CASB.** Consortium for Advanced Studies in Barcelona
- CESAER.** Conference of European Schools for Advanced Engineering Education and Research
- CINDA.** Interuniversity Development Centre
- CLUSTER.** Consortium Linking Universities of Science and Technology for Education and Research
- EUA.** European University Association
- GUNI.** Global University Network for Innovation
- Magalhaes Network**
- RedEmprendia**
- RMEI.** Réseau Méditerranéen des Ecoles d'Ingénieurs
- TIME.** Top Industrial Managers for Europe
- TELESCOPI.** Network of Observatories of Good Practices in Strategic University Management in Latin America and Europe
- UNITECH**
- UNIVERSIA**

---

Promoters of the  
KIC InnoEnergy project

---

Barcelona seafont. Like the city, the UPC is constantly undergoing transformation, brings diverse elements together and is open to innovation and knowledge.



## Shanghai Academic Ranking of World Universities, 2017

Among the 700 best universities in the world.

## Shanghai Global Ranking of Academic Subjects, 2017

Among the top 10 universities in the world in Technology and Instrumental Sciences.

Among the 25 best universities in the world in Telecommunications Engineering.

Among the 50 best universities in the world in Computer Science, in Water Resources and in Remote Sensing.

Among the 75 best universities in the world in Electrical and Electronic Engineering, in Automation and Control and in Civil Engineering.

## QS Top 50 under 50, 2017-2018

Among the 25 best universities in the world and 8th best in Europe.

## QS World University Rankings, 2017-2018

Among the 275 best universities in the world.

## QS World University Rankings by Subject, 2018

Among the 25 best universities in the world in Architecture and Built Environment.

Among the 35 best universities in the world in Civil and Structural Engineering.

Among the top 100 universities in the broad subject areas Engineering and Technology and the specific subjects Telecommunications, Electrical and Electronic Engineering; Mathematics; Computer Science and Information Systems; and Art and Design.

## Shanghai Academic Ranking of World Universities by Broad Subject Fields, 2016

Among the top 100 universities in the world in the field of Engineering, Technology and Computer Sciences.

## THE World University Rankings, 2017

Among the 500 best universities in the world.

## CWUR Rankings by Subject, 2017

Among the top 5 universities in the world in Engineering (Multidisciplinary) and in Mathematics (Interdisciplinary Applications).

Among the top 10 universities in the world in Construction and Building Technology.