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

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
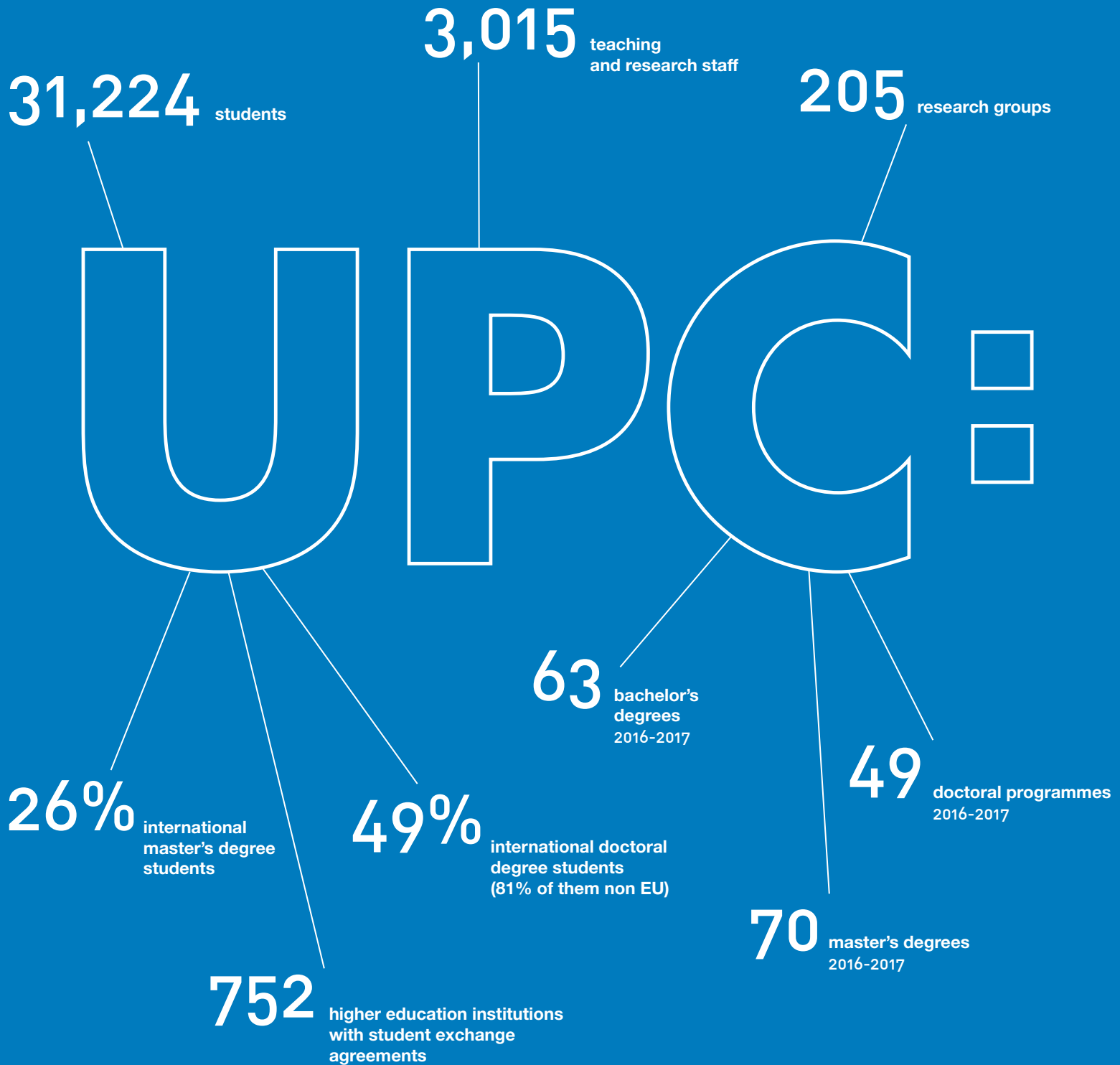
TIME. Top Industrial Managers for Europe

TELESCOPI. Network of Observatories of Good Practices in Strategic University Management in Latin America and Europe

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

SINO - SPANISH CAMPUS 中西學院 CAMPUS SINO - HISPÁNICO

31,224 students

3,015 teaching and research staff

205 research groups

UPC:

63 bachelor's degrees 2016-2017

49 doctoral programmes 2016-2017

26% international master's degree students

49% international doctoral degree students (81% of them non EU)

70 master's degrees 2016-2017

752 higher education institutions with student exchange agreements

TEACHING

Engineering, architecture, sciences and technology are the four major areas of knowledge of the Universitat Politècnica de Catalunya (UPC), a public university that offers bachelor's, master's and doctoral degrees whose graduates, as professionals, have the capacities and skills to face new challenges following principles of efficiency and sustainability. It is also a space for knowledge that fosters students' learning and personal growth with a dynamic, motivational teaching model that includes mobility programmes, international double degrees, work placement, and participation and leadership in cutting-edge research projects.

63 **B** bachelor's degrees
2016-2017

70 **M** master's degrees
2016-2017

22 taught entirely in English

7 Erasmus Mundus

49 **D** doctoral programmes 2016-2017

5 Erasmus Mundus

31,224 bachelor's, master's and doctoral degree students

355 doctoral degree holders
2014-2015

34 international double-degree agreements with 36 universities

752 higher education institutions with student exchange agreements

6,522 graduates of bachelor's and master's degrees
2014-2015

49,402 UPC alumni

2,726 students on international mobility programmes

1,373 incoming students

1,353 outgoing students

Learning by doing: professional skills developed in real projects (Photo: The NESLAB project by students at the Terrassa School of Industrial, Aerospace and Audiovisual Engineering)

RESEARCH

The UPC's research activity makes it a key agent for improving an economy that is increasingly based on knowledge and innovation. Its prominent position in the main international rankings for scientific output is the result of the rigorous and constant work of its researchers and research groups, which lead and participate in numerous national and international R&D projects. The UPC also has a network of cutting-edge facilities, laboratories and equipment and undertakes collaborations and partnerships with other research centres and researchers around the world.

1,661
indexed scientific articles

355
doctoral theses defended

157
scientific and technical distinctions received

205
research groups

11
TECNIO network research centres

18
specific research centres

16
associated research entities

Promotors of the KIC InnoEnergy project

Equipment and facilities for cutting-edge research
(Photo: The Clean Room at the Barcelona School of Telecommunications Engineering)

KNOWLEDGE TRANSFER

It is the UPC's mission to create knowledge, innovate, develop technology and make this technology available to society. With this mission in mind, it works to drive innovation and become the preferred technology partner of companies and institutions. This role is made explicit in the numerous research agreements and projects undertaken with the production sector, the creation of technology start-ups, the generation and commercial exploitation of patents and the scientific and technical services that it makes available to its local area, with which it seeks to create jobs and foster progress by providing technology solutions hat improve people's lives and their activity.

979
new research agreements and projects

291
technology spin-offs and start-ups created since 1998

47
patents registered in the last year

808
scientific and technical services for companies

2,494
companies and entities with collaboration agreements

4,325
students on internship

62,5 MEUR
income from R&D projects (2015)

SOCIAL RESPONSIBILITY

The UPC is close to the people who make up
the university community, to prospective students,
researchers, entrepreneurs, institutions
and companies. It thus feels part of its local area
and the area's economic, cultural and social
development. Projects focused on development
cooperation, sustainability, volunteering
and the promotion of scientific culture
that are launched by students and teaching
and administrative staff every year offer proof
of this desire for proximity and passion
for service, which the UPC expresses
in accordance with the principles
of participation, transparency
and equal opportunity.

60
development cooperation
projects in 27 countries

19
NGOs and development
cooperation groups

Technology with a social impact (Photo: Low-cost wheelchair designed by students at the Terrassa School of Industrial, Aerospace and Audiovisual Engineering)

Academic Ranking of World Universities – Shanghai Ranking (2016)

One of the 400 best universities in the world.

One of the world's top 100 universities in Engineering, Technology and Computer Sciences (by field).

Global Ranking of Academic Subjects - Shanghai Ranking (2016)

One of the world's top 100 universities in Electrical and Electronic Engineering (by academic subject).

QS Top 50 under 50 (2016)

One of the 35 best universities in the world.

QS World University Rankings by Faculty (2015)

The leading Spanish university and one of the world's top 100 universities in Engineering and Technology.

U-Ranking of Spanish Universities (2016)

The leading Spanish university in Innovation and Technological Development.

QS World University Rankings by Subject (2016)

One of the world's top 30 universities in Architecture and the Built Environment, top 40 in Civil and Structural Engineering and top 100 in Computer Science and Information Systems, Electrical and Electronic Engineering, and Mathematics, and the leading university in Spain in all of these subjects.

Best Global Universities, US News Rankings (2017)

The top university in Spain in Computer Science and Engineering, among the top 10 in Europe in Computer Science and the top 15 in Europe in Engineering.