BARCELONATECH
Leading Innovation

Amongst the hundred best universities under the age of 50. *(Times Higher Education Ranking-THE, 2012)*
Leading Technology at the south of Europe
29,687 undergraduate students
2,476 master’s degree students (40% international students)
3,070 doctoral students (45% international students)
2,963 students on continuing education programs
354 PhD theses defended (2011/12)

69 graduate and undergraduate official degrees
97 double degree international programs
62 master’s programs (13 Erasmus Mundus & 23 taught in English)
46 doctoral programs (25 quality award & 7 Erasmus Mundus)

5 UNESCO chairs
6 research institutes
Education, Research, Innovation, Internationalization
Barcelona and UPC
Diverse and multidisciplinary

Education Research Innovation Internationalization
Leading Technology

- Aerospace Engineering
- Agricultural Engineering
- Applied Sciences: Mathematics, Statistics, **Physics, Optics and Photonics**
- Architecture and Urban Planning
- Civil, Environmental and Geological Engineering
- Computer Science-
- Industrial Engineering: Energy, Industrial Design, **Biomedical, Chemical, Materials,** Electrical and Mechanical
- Naval, Maritime and Nautical Engineering
- Telecommunications and Electronic Systems Engineering-
Teaching:

- **62** Master’s programs
  - 13 Erasmus Mundus
  - 23 fully in English
- **48** PhD programs
  - 7 Erasmus Mundus
- **69** Undergraduate degrees
- **3,393** Students Internships
- **2,963** Students Continuing education: Life-Long Learning Program, corporate training, and other courses
Scimago Research Group Ranking (2011)
UPC is the Spanish technological university with the highest scientific production (number of papers)

Quacquarelli Symonds World University (QS)
UPC is the 1st Spanish university in Engineering and Technology

University of Granada Ranking (I-UGR)
UPC is the 1st Spanish university with the largest number of papers published in Engineering and Architecture
UPC is the Spanish university:

with the largest number of citeable papers in
1) Mathematics
2) Information and Communications Tecnology
3) Engineering

Ranking ISI (2011)
Amongst the top 200 universities in Engineering, Technology, Computer Science and Mathematics.

**Shangai Ranking (ARWU)**

Amongst the hundred best universities under the age of 50.

**Ranking Times Higher Education (2012)**
Research to Innovate

- 2,378 Papers in scientific journals
- 284 PhD theses presented
- 94 Research entities
- 110 Technical and scientific awards
- 1,183 Research projects started in 2011
- 17 Specific research centers
- 2,033 Research projects in progress
From 1999 to 2010:
58 spin-off and 178 start-up
(82% active)

78,266,782€
Research income
(2011)

2,164
Sponsoring and collaborating
companies

78
Patent licenses
(2009/10)

18
UPC members of the Catalan research network of excellence
BARCELONATECH is the Spanish university with the highest number of international PhD students and international Master’s students.
Internationalization

- **363** Memoranda of understanding with international universities
- **97** Double degree agreements with 90 universities and HEI’s
- **23** Master’s programs fully in English (2012-13)
- **20** Erasmus Mundus programs (13 Masters, 7 PhD)
- **2,150** Students in international exchange programs
  - 1,334 outgoing
  - 816 incoming
- **International** students: 64% of doctorate candidates and 31% of master degree students
**Cooperation and development**
64 international projects in 28 countries
130 mobilities

**Consolidation of international excellence campuses – CEI**
- BKC (Barcelona Knowledge Campus)
- Campus Energia: Energy to Excel

**Internationalization**

- **KIC InnoEnergy.** (EIT is committed to change the European energy system through innovation)

- **UPC - BARCELONATECH academic and research networks**
  - CESAEER
  - CINDA
  - CLUSTER
  - EUA
  - TIME
  - UNITECH
  - MAGALHAES
  - REDEMPRENDIA
  - CASB- Consortium for Advanced Studies in Barcelona

- **Sino Spanish Campus at Tongji**

- **China University of Petroleum, Beijing.** Started in 2012 with 10 students
BKC establishes a framework for strategic collaboration which is key to providing the local environment with a solid, internationally recognized scientific and technological project, permitting the evolution of the local environment by means of an integrated social model based on innovation and sustainable development.
Campus Energía is a strategic consortium of several agents working together in the international arena to harness the potential of changes to the energy model while endorsing principles of social responsibility.
Formal partners:

ESADE
Gas Natural FENOSA
Institut de Recerca de l’Energia de Catalunya-IREC
Instituto Superior de Lisboa
Universitat Politècnica de Catalunya

Associate partners:

Ciemat
Energías de Portugal
Iberdrola
Tecnalia Research and Innovation
CLUSTER university network

Associate Members
342,154,600€ (budget 2011)
78 M. € income from projects R+D+I (2011)

1,886 full time faculty and 94 permanent researchers
2,164 research projects in progress
1,183 research projects with companies started in 2011
213 research entities
17 research related organizations

Requests for patent licenses: 51 national 23 international
2,378 papers published in scientific journals (ISI:1914)
815 scientific publications
110 scientific and technical awards
2,164 corporate sponsors and partners:
1,183 companies with collaboration agreements/
22 through the social outreach program, sponsorship
and patronage
19 company chairs
EDUCATION: mobility, double degrees, strategic alliances
EDUCATION: mobility, double degrees, strategic alliances
RESEARCH AND INNOVATION PROJECTS
DEVELOPMENT COOPERATION
Barcelona, amongst the 11 best student cities in the world!*

* According to QS Best Student Cities 2012 Ranking