

UNIVERSIDAD POLITÉCNICA DE MADRID DOCTORATE PROGRAMS 2018/2019 (RD 99/2011)

WHY UPM FOR DOCTORATE?

- MAIN TECHNOLOGICAL UNIVERSITY IN SPAIN
- SPECIALISED IN ENGINEERING AND ARCHITECTURE AND SPORTS AND FASHION
- SOURCE OF HIGH IMPACT KNOWLEDGE

n° 1 in obtaining R&D European funds
n° 1 in attracting R&D contracts with industry
n° 1 in university patent applications
n° 1 in new technology ventures creation

A WIDE AND ATTRACTIVE DOCTORATE OFFER!

Human Resources

21 R+D+I Institutes and Centres

Strong Collaboration with Industry and Foreign Universities

45 Doctorate Programs in Agroforestry, Civil, ICT, Industry, Sports and Fashion

3,000 FACULTY ACADEMICS

834 RESEARCHERS HIRED BY PROJECTS

473 STUDENTS GRANTED BY PROJECTS

1,900 ADMINISTRATION AND SERVICE STAFF

RESEARCH & INNOVATION CENTRES

R&D&I INSTITUTES

- Institute for Automobile Research
- Institute for Microgravity
- Institute for Nuclear Fusion
- Institute for Optoelectronic Systems and Microtechnology
- Institute for Solar Energy

R&D&I CENTRES

- Biomedical Technology Centre (CTB)
- Center for Advanced Materials and Devices for ICT (CEMDATIC)
- AI.nnovation Space (UPM-Accenture Innovation Center in Artificial Intelligence)
- Centre for Automation and Robotics (CAR, UPM-CSIC)
- Center for Supercomputation & Simulation
- Centre of Electronics for the Industry (CEI)
- Center on Software Technologies and Multimedia Systems for Sustainability

- Information Processing and Telecommunications
- Integral Domotics Centre (CEDINT)
- Laser Centre
- Research Center for Biotechnology and Plant Genomics (CBGP)
- Research Center for the Management of Agricultural and Environmental Risks (CEIGRAM)
- Structural Material Research Centre (CIME)
- Transport Research Centre (TRANSyT)

OTHER CENTRES FOR THE SUPPORT TECHNOLOGY, INNOVATION AND TRANSFER

- Centre for Support for Technological Innovation (CAIT)
- Innovation and Technology for Development Centre at the Technical University of Madrid (itdUPM)

STRONG COLLABORATION WITH INDUSTRY

RESEARCH

- + 56 M€ in financed projects
- 18,12 €M Nationally financed projects
- 16,55 €M Internationally financed projects
- 21,71 €M Private financed projects
- + 2130 indexed publications in 2015

TECHNOLOGICAL INNOVATION

- 488 patents
- 90 international patents
- 84 University-business chairs
- + 200 spin-offs created and coached
- 80% spin-off survival rate (3rd year)
- 50M€ from risk capital (2007-2015)

DOCTORATE PROGRAMS (RD 99/2011)

- Advanced Architectural Design
- Advanced Forest Research
- Aerospace Engineering
- Agricultural Engineering
- Architecture and Urbanism
- Architecture Communication
- Architecture, Design, Fashion and Society
- Architecture Heritage
- Artificial Intelligence
- Automation and Robotics
- Biomedical Engineering
- Biotechnology and Genetic Resources of Plants and Associated Microorganisms
- Building and Architecture Technology
- Civil Engineering Systems
- Communication Systems and Technologies
- Complex Systems
- Computation Science and Technology for Smart Cities
- Edification Structures
- Ecology, Ecosystems Conservation and Restoration
- Economy and Innovation Management
- Engineering and Management of Environment
- Engineering in Industrial Organization
- Environmental, Chemical and Material Engineering
- Environmental Technology for Sustainable Agriculture
- Electrical and Electronic Engineering
- Electronic Systems Engineering
- European Doctorate in Industrial Management
- Fluid Mechanics
- Geomatics (Earth Informatics) Engineering
- ICT: Materials and Devices
- Mathematical Eng., Statistics and Operations Research
- Mechanical Engineering
- Naval Architect, Marine and Ocean Engineering
- Photovoltaic Solar Energy
- Physical Activity and Sport Science
- Production Engineering and Industrial Design
- Project Planning for Rural Development and Sustainable Management
- Research, Modeling, Risk Analysis in Environment
- Software, Systems and Computation
- Structural, Geotechnical and Materials Engineering
- Sustainability and Urban Regeneration
- Sustainable, Nuclear and Renewable Energy
- Systems and Services Engineering for the Information Society
- Technological Innovation in Building Construction
- Telematic System Engineering

