Doctorate Areas and their Programs

HUMAN RESOURCES
21 R&D+i Centres and Institutes
Strong collaboration with industry and foreign universities
46 Doctorate programs

WHY UPM FOR DOCTORATE?
• MAIN TECHNOLOGICAL UNIVERSITY IN SPAIN
• SPECIALISED IN ENGINEERING, ARCHITECTURE, SPORTS AND FASHION
• SOURCE OF HIGH IMPACT KNOWLEDGE
M 1 in ATTRACTING R&D CONTRACTS WITH INDUSTRY
M 1 in UNIVERSITY PATENT APPLICATIONS
M 1 in NEW TECHNOLOGY VENTURES CREATION

RESEARCH & INNOVATION CENTRES
• Manufacturing & Industry
  • Advanced Manufacturing (AM): Additive Manufacturing, Soft Materials, Micro- and Nanotechnology, Robotics
  • Manufacturing & Processing
  • Flexibility
  • Quality and Reliability
  • Sustainable Design

• ICT
  • Artificial Intelligence
  • Biomedical Engineering
  • Communication Systems and Technologies
  • Computer Science and Technology for Artistic Uses
  • Cloud Computing and Data Management
  • Decision Making, Statistics and Operations Research
  • Design and Development of Hardware and Software
  • Multimedia and Web Engineering
  • Software Systems and Embedded Systems
  • RDS Systems Engineering

• Agriculture, Forestry and Environment
  • Agricultural Engineering
  • Environmental Engineering
  • Environmental Systems Engineering
  • Renewable Energy Systems

• Civil Engineering
  • Civil Engineering Systems
  • Structural Engineering
  • Geotechnical and Geoenvironmental Engineering
  • Building Construction
  • Materials and Structures

• Architecture
  • Advanced Architectural Design
  • Architecture and Urban Planning
  • Conservation and Restoration
  • Building and Architectural Technology
  • Design
  • Educational Structures
  • Sustainability and Urban Renovation

• Arts & Social Scs.
  • Architecture Communication
  • Architecture Design, Fashion and Society
  • Performing Arts and Sport
  • Museums and Libraries
  • Health and Digital Sciences

DOCTORATE AREAS AND THEIR PROGRAMS

MANUFACTURING & INDUSTRY
• Aerospace Engineering
• Automation and Robotics
• Economy and Innovation
• Engineering in Industry
• Environmental, Chemical and Natural Engineering
• Electrical and Electronic Engineering
• Energy and Environmental Management
• Mechanical Engineering
• Production Engineering and Automation
• Research, Design and Risk Management
• Sustainable: Nuclear and Renewable Energy

ARTS & SOCIAL SCI.
• Music and its Sciences and Technologies
• Physical Activity and Sport
• Architecture, Design, Technologies
• Architecture Communication
• Architecture Design, Fashion and Society
• Performing Arts and Sport
• Museums and Libraries
• Health and Digital Sciences

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DOCTORATE PROGRAMS

RESEARCH & INNOVATION CENTRES
• Strong collaboration with industry
• 405 students graduated by projects
• 2,000 PhD students

DOCTORATE AREAS OF OFFER!

DOCTORATE PROGRAMS

DOCTORATE AREAS AND THEIR PROGRAMS

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