What will you learn in the MASTERIA?

Technologies for pollution treatment
- Design of environmental facilities for the treatment of sewage, flue gas, waste and soil
- Operation and control strategies of environmental facilities

Environmental quality
- Environmental quality and pollutants transport modelling
- Characterisation of the environmental quality

Environmental management
- Environmental management instruments:
  - ISO certification, EMS, LCA, Eco-design...
  - Methodologies for environmental impact assessment
  - Environmental Law application
  - Energy management

The Interuniversity Master’s Degree in Environmental Engineering brings the opportunity of becoming a specialist in management of wastewater treatment plants, in environmental management of industry or in environmental management of civil engineering.

Who is it addressed to?
The Interuniversity Master’s Degree in Environmental Engineering is mainly targeted to students holding the following degrees:

- Degree in Rural and Agrifood Engineering
- Degree in Forest and Environmental Engineering
- Degree in Civil Engineering
- Degree in Public Works Engineering
- Degree in Chemical Engineering
- Degree in Industrial Engineering
- Degree in Environmental Sciences
- Degree in Chemistry
- Degree in Biotechnology
Academic Programme

COMPULSORY SUBJECTS 72 ECTS

- Analysis and Application of Environmental Legislation 3 ECTS
- Control of Air Pollution 6 ECTS
- Assessment of Environmental Quality 4.5 ECTS
- Management of Contaminated Soils and Sediments 6 ECTS
- Waste Management and Treatment 6 ECTS
- Environmental assessment and management tools 4.5 ECTS
- Advanced Modelling for Water Treatment 7.5 ECTS
- Monitoring and processing of environmental data 4.5 ECTS
- Transport of Pollutants in the Environment 9 ECTS
- Water Treatment 9 ECTS
- Work placements 6 ECTS
- Final Master's Degree Project 12 ECTS

OPTIONAL SUBJECTS (12 ECTS of your choice)

- Running Wastewater Treatment Plants 12 ECTS
- Microbiological Control of Wastewater Treatment Processes 3 ECTS
- Management of Wastewater Treatment Plants 3 ECTS
- Simulation and Advanced Design of Wastewater Treatment Plants 3 ECTS
- Process control in environmental facilities 3 ECTS
- Environmental Management in the Industry 12 ECTS
- Physical Pollution: Noise and Radiation 3 ECTS
- Energy Management 3 ECTS
- Prevention of Industrial Pollution 3 ECTS
- Process control in environmental facilities 3 ECTS
- Environmental Management in Civil Engineering 12 ECTS
- Coastal Environmental Actions 3 ECTS
- Environmental Engineering of Linear Works 3 ECTS
- Management of surface water quality based on models 3 ECTS
- Geographic information technologies for environmental studies 3 ECTS

Los 18 créditos correspondientes a la especialidad podrán ser completados realizando Prácticas externas 6 ECTS o escogiendo 2 asignaturas de otras especialidades.

Studying the MASTERIA at ETSE-UV

- High scientific and technical level
- Highly practical training
- Focused on innovation and case resolution
- Lessons and seminars taught by professionals
- Experienced UV and UPV staff in teaching and technological transfer at national and international levels
- Guaranteed educational internships in companies

Career opportunities

- Environmental Engineering Projects
- Environmental Facilities Operation
- Environmental Consulting
- Environmental Management in Companies and Institutions
- R&D departments
- Research Centres

Connection with doctoral studies

Doctoral Programme in Chemical, Environmental and Process Engineering of the UV

- Waste-water Treatment. Water Quality in Natural Environment
- Treatment of Air Emissions. Removal of Heavy Metals in Water
- Experimental Determination and Theoretical Estimation of Thermodynamic and Transport Properties
- Heterogeneous Catalysis
- Process Engineering in Food Industry

PhD in Water and Environmental Engineering of the Civil Engineering Area of the UPV

- Water Networks
- Environment and Water Quality
- Hydraulics and Hydrology
- Water Resources Engineering