

MASTERIA

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

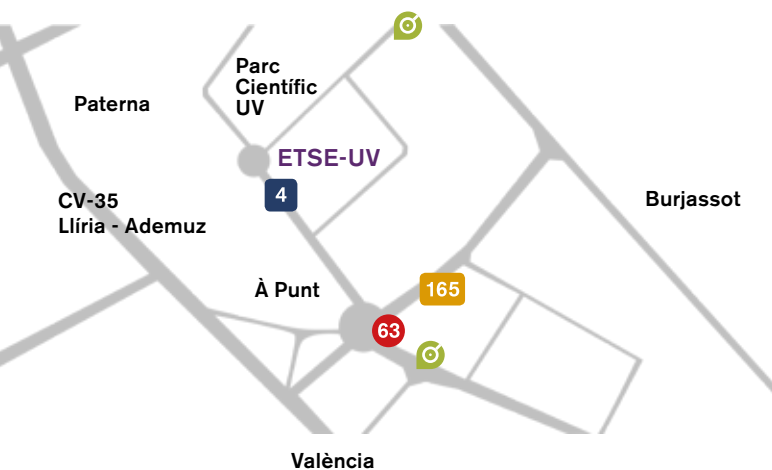
- Environmental management instruments: ISO certification, EMS, LCA, Eco-design...
- Methodologies for environmental impact assessment
- Environmental Law application
- Energy management

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



Metrovalencia. Line 4 (TVV stop)
EMT. Line 63 (Xàtiva – Noves Facultats)
Metrobus. Line 165 (Quart de Poblet – Manises – Paterna – Burjassot)
Valenbisi Mibisi Bike lane (València – Burjassot)

Universitat de València
Escola Tècnica Superior d'Enginyeria
Campus de Burjassot - Paterna

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@etseuv

ETSE-UV

Master's Degree in Environmental Engineering

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The Interuniversity Master's Degree in Environmental Engineering addresses the problem of the current pressure on available natural resources and the increase in the generation of waste and emissions.

Through an interdisciplinary and comprehensive approach, it aims to ensure the environmental, economic and social sustainability of the industry.

You will learn how to outline and design solutions for these challenges from an innovative perspective to meet the Sustainable Development Goals.

Accept the challenge.



www.uv.es/masteria

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Academic Programme

ETSE-UV

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 transference 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

MASTERIA

Master's Degree in Environmental Engineering

One year and a half (90 ECTS)
September – July (First course)
September – February (Second course)
40 places

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