MASTER WATER & WIND ENGINEERING

OBJECTIVES
Provide the next generation of scientists and engineers with the multidisciplinary skills needed, in the field of environmental fluid mechanics, to facilitate and drive the environmental and ecological transition to a more sustainable environment. The skills learnt in this master will be applicable both to reducing human impact on the environment and reducing environmental impact on human activities, particularly resulting from climate change.

PREREQUISITES
Bachelor of Science
Preferably in Civil and environmental engineering, Engineering science, Mechanics, Physics, Mathematics
Minimum Level in English: B2

SCIENTIFIC DISCIPLINES
Fluid Mechanics
Thermodynamics
Meteorology
Oceanography
Hydraulics
Hydrology

APPLICATIONS
Construction
Energy
Water resources
Climate change
Natural hazards & environmental risk
Air quality

ENIRONMENT, INFRASTRUCTURE, POLLUTION, CLIMATE, GEOHAZARDS
- Master in Environmental Fluid Mechanics
- 4 semesters, taught in English at the Ecole Centrale de Lyon
- Theory and practice, with extensive laboratory studies and numerical simulations
- At least 3 months of project work and 6 months of internship or laboratory research project
- Possibilities for studies abroad with one of our partner establishments

Ecully campus
CAREER OPPORTUNITIES FOR GRADUATES:

- Civil engineering, Energy and Transport sectors
- River management, coastal protection, urban water management
- Renewable energy – wind turbines, hydropower, marine energy
- Urban environment – urban climatology, air quality, building ventilation
- Research & development – PhD, academic sector, research centres

CONTACT
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