

INSPIRING GLOBAL CHANGE SINCE 1222

SCHOOL OF ENGINEERING

WATER AND GEOLOGICAL RISK ENGINEERING

Floods, storms, and landslides affect billions of people globally and, in a changing climate, water-induced hazards will continue to be a critical challenge for our society. This Master's degree programme aims to train the new global leaders in hydrological, geological, and climate science and technology. Faculty from three Departments, ranking 36th in Water Resources according to the Shanghai Ranking, provide an interdisciplinary background and a strong theoretical and practical preparation.



UNIVERSITÀ
DEGLI STUDI
DI PADOVA

WATER AND GEOLOGICAL RISK ENGINEERING

LEVEL Master

SCHOOL Engineering

DEPARTMENT Civil, Environmental and Architectural Engineering

DURATION 2 years (120 ECTS)

START DATE October

LOCATION Rovigo, Italy

PROGRAMME COORDINATOR

Marco Marani

WEB

www.unipd.it/en/water-geological-risk-engineering

APPLY.UNIPD.IT



ENTRY REQUIREMENTS

- Bachelor's degree (or equivalent) in Civil or Environmental Engineering or related fields, with proven skills in Hydraulics and Solid Mechanics.
- English language: B2 level (CEFR) or equivalent

PROGRAMME STRUCTURE

1st Year: Geological and Geotechnical Engineering, River Hydraulics from the Hillslopes to the Estuary, Hydrology and Climate: Modelling and Change, Fluvial-Coastal Dynamics and Hazard, Remote Sensing for Water Resources, Engineering Geomorphology, River Basin Modelling: Forecasting and Prediction, Elective Course.

2nd Year: Water and Geological Risk Mitigation, Drainage and Irrigation under a Changing Climate, Vulnerability Analysis and Risk Management for Water-related Hazards, Water Scarcity, Agroecosystems and Pollutants, Elective Course.

TUITION FEES AND SCHOLARSHIPS

Annual fees: up to € 2,900 (3 instalments)

Scholarships and fee-waivers for international students available: www.unipd.it/en/funding-and-fees

CAREER OPPORTUNITIES

Public and private companies operating in the evaluation, management, and reduction of risk from water-related and geological events: governmental and non-governmental environmental protection and management organisations, regional to local water authorities, reclamation/irrigation authorities, water resources engineering companies, insurance companies, risk modelling/assessment companies, UN, FAO, World Bank, research institutions and academia.