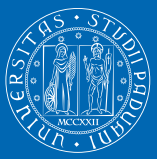
INSPIRING GLOBAL CHANGE SINCE 1222

SCHOOL OF SCIENCE

EARTH AND CLIMATE DYNAMICS

This Bachelor's degree provides a strong interdisciplinary advanced training in Earth System sciences based on topics covering solid Earth, oceans, climate, atmosphere, hydrosphere and biosphere dynamics and their related complexities. With innovative teaching methods which combine classroom teachings and field activities, students will acquire a technical-scientific background of the most widely used and innovative techniques in remote sensing, satellite data processing, GIS, use of drones, coding and basic modelling.



UNIVERSITÀ
DEGLI STUDI
DI PADOVA

EARTH AND CLIMATE DYNAMICS

LEVEL Bachelor

SCHOOL Science

DEPARTMENT Geosciences

DURATION 3 years (180 ECTS)

START DATE October

LOCATION Padua, Italy

PROGRAMME COORDINATOR
Fabrizio Nestola

WEB
www.unipd.it/en/earth-climate-dynamics

APPLY.UNIPD.IT

TOP150 2024
Earth and Marine Sciences
QS WORLD UNIVERSITY RANKINGS
BY SUBJECT

ENTRY REQUIREMENTS

- Secondary school diploma
- English TOLC-I
- English language: B2 level (CEFR) or equivalent

PROGRAMME STRUCTURE

1st Year: Mathematics, Physics, Chemistry, Geology and Paleontology, Mineralogy and Petrology, Dynamics of Hydrosphere, Atmosphere and Earth's Surface.
2nd Year: Structural Geology and Earth's Geodynamics, Paleoclimatology, Climatology and Climate Models, Methods for Earth Observations and Data Management, Field Monitoring and Thematic Mapping, Georesources and Sustainability, Soil System Science, Geochemistry of Earth System.
3rd Year: Global Impacts of Mass Movements, Fluvial Systems and Extreme Events, Ecosystems under Climate Changes, Geohazards and Risk Analysis, Evolution of Coastal Systems.

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

Students can continue their studies in a Master's degree or can work in public and private laboratories for geological and environmental analyses, in public and private research agencies and bodies for environmental management and protection at national and international level, and in protected areas, natural parks and marine reserves.