

Scienze Chimiche, Geologiche e Ambientali

PE4_1 Physical chemistry

PE4_2 Spectroscopic and spectrometric techniques

PE4_5 Analytical chemistry

PE4_8 Electrochemistry, electro dialysis, microfluidics, sensors

PE4_9 Method development in chemistry

PE4_10 Heterogeneous catalysis

PE4_11 Physical chemistry of biological systems

PE4_12 Chemical reactions: mechanisms, dynamics, kinetics and catalytic reactions

PE4_13 Theoretical and computational chemistry

PE4_15 Photochemistry

PE4_17 Characterization methods of materials

PE5_1 Structural properties of materials

PE5_2 Solid state materials

PE5_3 Surface modification

PE5_5 Ionic liquids

PE5_6 New materials: oxides, alloys, composite, organic-inorganic hybrid, nanoparticles

PE5_7 Biomaterials synthesis

PE5_9 Coordination chemistry

PE5_12 Chemistry of condensed matter

PE5_13 Homogeneous catalysis

PE5_17 Organic chemistry

PE8_8 Materials engineering (biomaterials, metals, ceramics, polymers, composites, etc.)

PE8_11 Sustainable design (for recycling, for environment, eco-design)

PE10_1 Atmospheric chemistry, atmospheric composition, air pollution

PE10_9 Biogeochemistry, biogeochemical cycles, environmental chemistry

PE11_9 Nanomaterials engineering, e.g. nanoparticles, nanoporous materials, 1D & 2D nanomaterials

LS1_2 Biochemistry

PE10_3 Climatology and climate change

PE10_5 Geology, tectonics, volcanology

PE10_6 Palaeoclimatology, palaeoecology

PE10_7 Physics of earth's interior, seismology, geodynamics

PE10_8 Oceanography (physical, chemical, biological, geological)

Scienze Chimiche, Geologiche e Ambientali
PE10_10 Mineralogy, petrology, igneous petrology, metamorphic petrology
PE10_11 Geochemistry, cosmochemistry, crystal chemistry, isotope geochemistry, thermodynamics
PE10_12 Sedimentology, soil science, palaeontology, earth evolution
PE10_13 Physical geography, geomorphology
PE10_14 Earth observations from space/remote sensing
PE10_17 Hydrology, hydrogeology, engineering and environmental geology, water and soil pollution
PE10_18 Cryosphere, dynamics of snow and ice cover, sea ice, permafrosts and ice sheets
PE10_19 Planetary geology and geophysics
PE10_20 Geohazards
PE10_21 Earth system modelling and interactions
PE4_18 Environment chemistry
PE5_15 Polymer chemistry
PE8_11 Environmental engineering, e.g. sustainable design, waste and water treatment, recycling, regeneration or recovery of compounds, carbon capture & storage
PE10_1 Atmospheric chemistry, atmospheric composition, air pollution
PE10_2 Meteorology, atmospheric physics and dynamics
PE10_3 Climatology and climate change
PE10_4 Terrestrial ecology, land cover change
PE10_14 Earth observations from space/remote sensing
PE10_17 Hydrology, hydrogeology, engineering and environmental geology, water and soil pollution
PE10_18 Cryosphere, dynamics of snow and ice cover, sea ice, permafrosts and ice sheets
PE10_20 Geohazards
LS2_5 Genomics
LS2_6 Metagenomics
LS2_7 Transcriptomics
LS2_11 Bioinformatics and computational biology
LS3_1 Cell cycle, cell division and growth
LS3_8 Embryogenesis, pattern formation, morphogenesis
LS4_8 Impact of stress (including environmental stress) on physiology
LS6_9 Antimicrobials, antimicrobial resistance
LS8_1 Ecosystem and community ecology, macroecology
LS8_2 Biodiversity

Scienze Chimiche, Geologiche e Ambientali

LS8_3 Conservation biology

LS8_4 Population biology, population dynamics, population genetics

LS8_5 Biological aspects of environmental change, including climate change

LS8_6 Evolutionary ecology

LS8_10 Ecology and evolution of species interactions

LS8_11 Behavioural ecology and evolution

LS8_12 Microbial ecology and evolution

LS8_13 Marine biology and ecology

LS8_14 Ecophysiology, from organisms to ecosystems

LS8_15 Theoretical developments and modelling in environmental biology, ecology, and evolution

LS9_4 Microbial biotechnology and bioengineering

LS9_5 Food biotechnology and bioengineering

LS9_6 Marine biotechnology and bioengineering

LS9_7 Environmental biotechnology and bioengineering

LS9_8 Applied plant sciences, plant breeding, agroecology and soil biology

LS9_9 Plant pathology and pest resistance

LS9_11 Biomass production and utilisation, biofuels

LS9_12 Ecotoxicology, biohazards and biosafety