



University of Camerino
School of Science
and Technology

GEOLOGICAL, NATURAL AND ENVIRONMENTAL SCIENCES

Bachelor Degree

First Cycle Degree

Duration 3 years

ECTS credits 180

Campus Location Camerino

web site

geologia.unicam.it

*School of Sciences and Technology
Geology Division*

School Director

prof. David Vitali

direttore.scienze@unicam.it

Course Coordinator

prof. Claudio Di Celma

claudio.dicelma@unicam.it

for Major in Natural and Environmental Sciences

prof. Francesco Ansaloni

francesco.ansaloni@unicam.it

Delegates

Educational Guidance

prof. M. Chiara Invernizzi

chiara.invernizzi@unicam.it

Tutoring

dr Miller Zambiano

miller.zambiano@unicam.it

International Mobility

prof. Gabriele Giuli

gabriele.giuli@unicam.it

Stage and Placement (Internship)

dr Pietropaolo Pierantoni

pietropaolo.pierantoni@unicam.it

Educational Manager

dr Anna Maria Santroni

annamaria.santroni@unicam.it

COURSE PRESENTATION

This Degree course offers to the students the opportunity to choose between two different study paths:

- a major in **NATURAL AND ENVIRONMENTAL SCIENCES**
- a major in **GEOLOGY**

with a common first year.

The professional expertise of geologists and environmentalists are essential to face the modern environmental challenges such as dealing with climate change and the reduction of biodiversity, risk mitigation (hydrogeological, seismic, volcanic, pollution), the sustainable use of resources (water, minerals, materials), and the energy transition.

UNICAM is the right place! You have a real open air laboratory where you can immediately practice your brand new skills, an international environment that starts with an educational path offered in English, many traineeship opportunities and research projects in which you can collaborate for your thesis or for a foreign experience, in addition to state-of-the-art laboratories.

In order to enhance the skills in a setting of nature and fields activities, one-day excursions, up to 3/7 days are part of the curriculum of this degree course.

ADMITTANCE REQUIREMENTS

High-school diploma) that satisfies the requirements for access to university education, i.e. conferred on completion of a minimum of 12 years of education
Level of language proficiency: ENGLISH level B1 (Threshold level).

Further information on admission rules, pre-admission deadline and other services at <http://international.unicam.it>

Classes are held in English



HR EXCELLENCE IN RESEARCH

COURSE STRUCTURE

There are two Semesters, from October to the end of January, and from March to mid-June. The Winter Exam Session is in February. The study course is structured in a first year focused on a comprehensive core curriculum that is common to both Geology and Natural and Environmental Sciences majors. At the upper-division level, from the second year, the study plan is designed to achieve a deeper education in the chosen specialized area.

The course programs also offers flexibility through elective courses and activities.

Completion of the degree program requires an internship carried out by the student under the supervision of an UNICAM tutor. The internship is a practical experience to be carried out in the university laboratories or in external institutions and offers the student an opportunity to apply, connect, and extend academic theory and competencies, to build both professional skills and job experience.

Test for background knowledge

The test, that usually is held before the beginning of classes, is mandatory for the freshmen of all Bachelor Degrees, but it does not affect in any way the enrollment.

It is in fact possible to finalize the enrollment before taking the test .

MAJOR IN NATURAL AND ENVIRONMENTAL SCIENCES

1 year

	Ects
Chemistry	9
Evolution of Biosphere	10
Physical Geography and Climatology	12
Mathematics and Statistics	12
Fundamentals of Geology	15
English	6

2 year

Animal Biodiversity and Protozoology	10
Plant Biodiversity	8
Physics	6
Environmental Economics	6
Elective courses	6
Mineralogy	6
Territory analysis	12

3 year

Animal Anatomy and Physiology	6
Geobotany and Ecology	10
Environmental Monitoring and Assessment	8
Geochemistry and Petrogenesis	12
Environmental Geology and Law	6
Geomorphology	6
Elective courses	6
Internship	5
Bachelor Thesis	3

MAJOR IN GEOLOGY

1 year

	Ects
Chemistry	9
Evolution of Biosphere	10
Physical Geography and Climatology	12
Mathematics and Statistics	12
Fundamentals of Geology	15
English	6

2 year

Sedimentology and Stratigraphy	8
Physics	8
Environmental Economics	6
Elective courses	6
Geophysics and prospections	6
Mineralogy	8
Territory analysis	12

3 year

Engineering Geology and Hydrogeology	8
Geomorphology	6
Environmental Monitoring and Assessment	8
Geochemistry and Petrogenesis	12
Geological Mapping	14
Elective courses	6
Internship	5
Bachelor Thesis	3

QUALITY ASSURANCE SYSTEM

UNICAM Quality Management System Certificate ISO 9001:2008 (from AFAQ-France, a French leader and one of the first certification bodies at the global level) guarantees students the quality of services provided.

The guarantee is via a rigorous analysis of internal organizational procedures and the prompt addressing of any weaknesses or shortcomings whether detected or reported by the students themselves.

The Quality Management System includes the following support services for students: orientation and guidance, mentoring, International mobility, Internships and communication. These integrate with and support the educational activities, so as to contribute to the complete training of the student.



For 2019, in the **U-MULTIRANK** international ranking, UNICAM was placed among the top 25 universities in the world in the area of international orientation, chosen among 1700 universities (of which 49 are Italian) from 96 countries.

The annual ranking takes into consideration the areas of greatest interest to students such as teaching and learning, knowledge transfer, orientation and research.



academic year
2019 / 2020