

What does an environmental expert do after graduating ENVIRONMENTAL MANAGEMENT AND AUDIT?

This expert will have both basic knowledge in Environmental Science and knowledge on specific disciplines for Environmental Management and Audit, thus being capable of determining, implementing and improving management systems in the field of quality, environment, occupational health and safety.

How do you become an expert in Environmental Management and Audit?

The program is designed to support the acquiring of basic knowledge for the training of environmental experts, with specific skills for the Environmental Management and Audit. For this purpose, we will provide you with:

- **An integrated knowledge in the field:** you will acquire interdisciplinary knowledge in the field of Environmental Science and in the Environmental Management and Audit field. Thus, you will have the opportunity to explore also fields such as quality management systems, environmental audit, management systems audit, to become familiar with the concepts used in Environmental Audit, the benefits of audits, their features, principles, structure and objectives.
- **Opportunities for building practical skills:** We place great emphasis on the applied activities both during the seminars and laboratories, as well as within the practical field trips. Also, in the laboratories of our faculty, equipped with state-of-the-art techniques, you can acquire practical skills needed for the integration on labor market.
- **Opportunities to accumulate experience in the field:** you will benefit from traineeships in partner companies and environmental institutions. In addition, you will take advantage of the opportunities provided by the research centers within our faculty to become involved in the ongoing research projects even during your Bachelor studies.

What will you learn throughout the years of study?

The Environmental Management and Audit field has similar curricula with the Environmental Science field, but also specific subject matters. Hence, beside basic notions on the major environmental components and the methods used for their analysis and assessment, you will also learn notions in the field of quality, environmental, occupational health and safety management systems. By this approach, we will help you build a comprehensive understanding of the field, so that once you graduate you are capable of planning and implementing audit activities and make technical, economic and normative decisions, at organizational or institutional level.

In order to give you the best professional training opportunities, we follow closely the requirements of the market as well as the current knowledge necessities in developing our curricula.

Core disciplines:

1st Year:

Fundamentals of environmental science, Applied informatics, Environmental geodynamics, Environmental geography, Quality management systems, Environmental applied GIS, Biogeography and biodiversity conservation, Environmental management systems, Environmental chemistry, Soil science, Foreign language, Physical education.

Fieldwork

2nd Year:

Environmental audit, Meteorology and Climatology, Ecology and Ecological Management, Hydrology and Hydrogeology, Legislation and Environmental Policy, Risks and Natural Hazards, Integrated management of forest systems, Integrated environmental monitoring, Environmental economy.

Optional courses:

Protected areas management OR Technological risk assessment

Environmental physics OR Mineral resources administration

Occupational health and safety management systems OR Ethics in environmental research

Fieldwork

3rd Year:

Investigation of environmental factors, Control of environmental pollutants, Environmental geomorphology, Integrated waste management, Environmental impact assessment, Audit of management systems, Ecotoxicology.

Optional courses:

Unconventional energies OR Atmospheric remote sensing

Water management and treatment technologies OR Ecotourism

Environmental samples analysis OR Management of environmental projects

Dynamics, typology and landscaping OR Land use planning

Elaboration of Bachelor Thesis

What skills will you possess after completing your studies and how will these help you in the future?

The professional skills you will develop over the years of study with us will prepare you for:

- **Providing consultancy and conducting environmental studies** to identify and analyze environmental issues.
- **Conducting a wide range of services to implement or continuously improve the management systems in the field of quality, environment, occupational health and safety**, among which the maintenance and auditing of these systems and the assessment, monitoring and control of environmental issues, as well as of the anthropic impacts on the environment.

Beside these key skills, you will develop even more transversal skills, such as communication abilities, multidisciplinary teamwork capacities, analytical and critical thought on environmental problems and sustainable development.

After graduation, you may choose various professional trajectories such as auditor engineer/environmental management systems auditor, auditor engineer/safety management systems auditor, environmental auditor, environmental protection professionals, environmental protection engineers or even secondary school teacher if you take also the teacher training module.