

Environmental Science BSc. Programme competencies

Knowledge	
T1	Familiar with the general disciplines of Science.
T2	Familiar with the near surface physical, chemical, geological and biological processes in the vicinity of human environment.
T3	Familiar with the theories, principles and paradigms of Environmental Science.
T4	Familiar with health, legal and safety regulations and the impacts of the investigations on the environment and customers.
T5	Familiar with the organic and inorganic materials and their processes.
T6	Familiar with processes and interactions of lifeless natural environment.
T7	Familiar with the processes and interaction of living materials.
T8	Familiar with the basic computational methods of Environmental Science.
Ability	
K1	Able to analyze the structures and particle distributions of environmental samples in the range of nm-km.
K2	Able to handle the surface and near surface physical, chemical, geological and biological processes.
K3	Able to apply in practice the theories, principles and paradigms of Environmental Science.
K4	Able to plan, organize and implement applied investigations.
K5	Applying the known methods and techniques, he/she is able to acquire and record data and their processing and interpretation.
K6	Able to identify and explore routine problems, able to formulate and articulate their theoretical and practical background and able to solve with application of standard practices.
K7	Able to apply procedures, main theories and concerning terminologies of the area of expertise, in problem solving.
K8	Able to understand and apply the on line and off line literature of his/her field of expertise.
Attitude	
A1	Undertakes and credibly represents the social role of its profession and its fundamental relation to the world.
A2	Open to authentic transmission and transmission of the basic thinking and practical features of his/her profession.
A3	Open to get familiar with, accept and authorize the professional, technological development and innovation in his/her discipline.
A4	Seeks to make self-education one of the means to achieve his/her professional goals.
A5	Makes his/her decision in full compliance with legislation and ethical standards in situations that are unexpected or require a complex approach.
A6	Seeks to solve problems as much as possible in collaboration with others.
A7	Interprets his/her continuous personal learning in the service of the common good.
A8	Seeks to learn environmental awareness behaviors.
A9	Committed to sustainable development.
Autonomy and responsibility	
F1	Demand for quality and responsibility.
F2	Being aware of the value of professional scientific statements, their applicability and limitations;
F3	Makes independent decisions resulting from the results of scientific investigations for which he/she assumes responsibility.
F4	Evaluates realistically and responsibly efficiency and effectiveness of the work of his own and his subordinate colleagues.