

Environmental Science Curriculum (under development)

Name	Credits	r	Notes
First Year			
English (Introduction to Academic Writing)	3	Fall	General Education
Introduction to Information Systems	3	Fall	General Education
Mathematics (basic statistics, college algebra, or higher)	3	Fall	General Education
Psychology	3	Fall	General Education
History or Philosophy (Philosophy of science)	3	Fall	General Education
English Literature	3	Spring	General Education
Principles of Chemistry	3	Spring	General Education
Public speaking or professional communication	3	Spring	General Education
Mediterranean Diet: Science & Culture	3	Spring	General Education
Principles of Biology	3	Spring	General Education
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Second Year			
Calculus	3	Fall	Basic knowledge
Environment & Society	3	Fall	General Education
General Physics	3	Fall	General Education
Principles of Environmental Hydrology	3	Fall	General Education
Learning Methods	3	Fall	General Education
Principles of Ecology	3	Fall	Basic knowledge
Environmental Chemistry	3	Spring	Basic knowledge
Modeling and Statistics	3	Spring	Basic knowledge
Energy resources management	3	Spring	Basic knowledge
Environmental Microbiology	3	Spring	Basic knowledge
Atmospheric Science and Air Pollution	3	Spring	Basic knowledge
Learning Methods	3	Spring	General Education
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Third Year			
Environmental Technologies	3	Fall	Skill development
Environmental Analytical Chemistry	3	Fall	Skill development
Waste Management	3	Fall	Skill development
Research methods	3	Fall	General Education
Plant Physiology	3	Fall	Skill development
Remote Sensing from Satellites and Drones	3	Fall	Skill development
Environmental Impact Study	3	Spring	Skill development
Environmental Fate of Chemicals	3	Spring	Skill development
Environmental Monitoring and Assessment	3	Spring	Skill development
The Climate System and Global Environmental Change	3	Spring	Skill development
Environmental Soil Science	3	Spring	Skill development
Air, Water and Waste Water Treatment	3	Spring	Skill development
36			
Fourth Year			
Senior Year Thesis	3	Fall	Integration of environm. science to societal need
Environmental Ethics, Policy and Legislation	3	Fall	General Education
GIS in Agriculture & the Environment	3	Fall	Integration of environm. science to societal need
Environmental Toxicology	3	Fall	Integration of environm. science to societal need
Green, Smart Cities and Living Environment	3	Fall	Integration of environm. science to societal need
Environmental sustainability and integrated systems analysis	3	Fall	Integration of environm. science to societal need
Senior Thesis	6	Spring	Integration of environm. science to societal need
Health Impact and Risk Assessment	3	Spring	Integration of environm. science to societal need
Internship	3	Spring	Integration of environm. science to societal need
Ecological Agriculture	3	Spring	Integration of environm. science to societal need
Case Studies of Environmental Management in the Mediterranean Basin	3	Spring	Integration of environm. science to societal need
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Total Credits		138	