



NUI Galway
OÉ Gaillimh

College of Science

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BSc ENVIRONMENTAL SCIENCE



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Overview

Year 1	Year 2	Year 3	Year 4
[60 credits]	[60 credits]	[60 credits]	[60 credits]
There are 60 credits of Core modules.	There are 60 credits of Core modules.	There are 40 credits of Core modules. Choose Electives to value of 20 credits from the list available.	There are 50 credits of Core modules. Choose Electives to value of 10 credits from the list available.

BSc Environmental Science

Year 1	Year 2	Year 3	Year 4
[Core: 60 credits]	[Core: 60 credits]	[Core: 40 credits; Electives: 20 credits]	[Core: 50 credits; Electives: 10 credits]
<p>Full Year – Semester 1 and Semester 2</p> <p>CP102 Chemistry/Physics [15]</p> <ul style="list-style-type: none"> Continuous Assessment (Summer) Written Paper 1 (Semester 1) Written Paper 2 (Semester 2) <p>BO101 Biology [15]</p> <ul style="list-style-type: none"> Continuous Assessment (Summer) Written Paper 1 (Semester 1) Written Paper 2 (Semester 2) <p>LW3114 Introduction to Law [5]</p> <ul style="list-style-type: none"> Continuous Assessment (Semester 1) Written Paper 2 (Semester 2) <p>Semester 1</p> <p>TI150 Principles of Human Geography [5]</p> <ul style="list-style-type: none"> Written Paper <p>PS122 Introductory Psychology I [5]</p> <ul style="list-style-type: none"> Written Paper <p>ST237 Introduction to Statistical Data and Probability [5]</p> <ul style="list-style-type: none"> Paper 1 - Written <p>-----</p> <p>Semester 2</p> <p>PS124 Introductory Psychology 2 [5]</p> <ul style="list-style-type: none"> Written Paper <p>EV102 Hot Topics in Environmental Science [5]</p> <ul style="list-style-type: none"> Continuous Assessment 	<p>Semester 1</p> <p>EV203 Ecological Survey Techniques [5]</p> <ul style="list-style-type: none"> Continuous Assessment Written Paper <p>LW217 Environmental Legislation [5]</p> <ul style="list-style-type: none"> Written Paper <p>BO202 Evolution and the Tree of Life [5]</p> <ul style="list-style-type: none"> Continuous Assessment Written Paper <p>BPS202 Fundamentals in Aquatic Plant Science [5]</p> <ul style="list-style-type: none"> Continuous Assessment Written Paper <p>MI202 Laboratory Skills in Microbiology I [5]</p> <ul style="list-style-type: none"> Continuous Assessment <p>-----</p> <p>Semester 2</p> <p>EOS222 Ancient Earth Environments [5]</p> <ul style="list-style-type: none"> Continuous Assessment <p>BPS2101 Botanical Field Skills [5]</p> <ul style="list-style-type: none"> Continuous Assessment Written Paper <p>ZO208 Invertebrate Biology [5]</p> <ul style="list-style-type: none"> Continuous Assessment Written Paper <p>MI203 Laboratory Skills in Microbiology II [5]</p> <ul style="list-style-type: none"> Continuous Assessment <p>MI204 Microbes and the Environment [5]</p> <ul style="list-style-type: none"> Written Paper Continuous Assessment <p>BPS203 Plant Diversity, Physiology & Adaptation [5]</p> <ul style="list-style-type: none"> Continuous Assessment Written Paper <p style="text-align: right;">Continued...</p>	<p>Semester 1</p> <p>EV304 Field Course with Environmental Skills [5]</p> <ul style="list-style-type: none"> Continuous Assessment <p>ST314 Introduction to Biostatistics [5]</p> <ul style="list-style-type: none"> Continuous Assessment Written Paper <p>EV306 Legislation for Environmental Scientists [5]</p> <ul style="list-style-type: none"> Written Paper <p>MI306 Marine Microbiology [5]</p> <ul style="list-style-type: none"> Continuous Assessment Written Paper <p>EV307 Nature Conservation & Habitat Management [5]</p> <ul style="list-style-type: none"> Written Paper <p>BPS3102 Plant Resources and Ecosystems [5]</p> <ul style="list-style-type: none"> Continuous Assessment Written Paper <p>-----</p> <p>Semester 2</p> <p>MI322 Environmental Microbiology [5]</p> <ul style="list-style-type: none"> Written Paper <p>EV305 Habitat Management Planning [5]</p> <ul style="list-style-type: none"> Project 	<p>Full Year – Semester 1 and Semester 2</p> <p>EV420 Project [25]</p> <ul style="list-style-type: none"> Continuous Assessment Project <p>-----</p> <p>Semester 2</p> <p>EV404 Advanced Field Course in Environmental Science [5]</p> <ul style="list-style-type: none"> Continuous Assessment Written Paper <p>EV405 Environmental Impact Assessment [5]</p> <ul style="list-style-type: none"> Continuous Assessment Written Paper <p>EV406 Environmental Science Seminars [5]</p> <ul style="list-style-type: none"> Written Paper <p>MI4102 Microbial Ecosystems Services & Systems Biology [5]</p> <ul style="list-style-type: none"> Continuous Assessment Written Paper <p>MI4103 Environmental Biotechnology [5]</p> <ul style="list-style-type: none"> Written Paper

BSc Environmental Science – Continued

	ZO209	Vertebrate Zoology [5] <ul style="list-style-type: none">• Continuous Assessment• Written Paper	

ELECTIVES

Year 1	Year 2	Year 3	Year 4
		<p><u>Full Year – Semester 1 and Semester 2</u></p> <p>BPS3104 Plant Interactions [5]</p> <ul style="list-style-type: none"> • Continuous Assessment • Written Paper <p>-----</p> <p><u>Semester 1</u></p> <p>EOS305 Introduction to Applied Field Hydrology [5]</p> <ul style="list-style-type: none"> • Continuous Assessment • Written Paper <p>EOS3103 Palaeontology and Evolution [5]</p> <ul style="list-style-type: none"> • Continuous Assessment • Written Paper <p>PAB3101 Soil Sciences [5]</p> <ul style="list-style-type: none"> • Continuous Assessment • Written Paper <p>MI324 Immunology and Recombinant Techniques [5]</p> <ul style="list-style-type: none"> • Continuous Assessment • Written Paper <p>-----</p> <p><u>Semester 2</u></p> <p>AR347 Palaeoecology - Reconstructing Past Environments [5]</p> <ul style="list-style-type: none"> • Written Paper <p>BPS3101 Techniques in Field Ecology and Conservation [5]</p> <ul style="list-style-type: none"> • Continuous Assessment <p>EOS304 Aquatic Geochemistry [5]</p> <ul style="list-style-type: none"> • Continuous Assessment • Written Paper <p>ZO318 Geographic Information Systems and Biostatistics [5]</p> <ul style="list-style-type: none"> • Continuous Assessment • Written Paper <p>TI2101 Introduction To GIS [10]</p> <ul style="list-style-type: none"> • Continuous Assessment 	<p><u>Full Year – Semester 1 and Semester 2</u></p> <p>BPS3104 Plant Interactions [5]</p> <ul style="list-style-type: none"> • Continuous Assessment • Written Paper <p>ZO418 Phylogenetics & Conservation [5]</p> <ul style="list-style-type: none"> • Written Paper (Summer) <p>-----</p> <p><u>Semester 1</u></p> <p>EOS3103 Palaeontology and Evolution [5]</p> <ul style="list-style-type: none"> • Continuous Assessment • Written Paper <p>PAB3101 Soil Sciences [5]</p> <ul style="list-style-type: none"> • Continuous Assessment • Written Paper <p>EOS402 Global Change [5]</p> <ul style="list-style-type: none"> • Continuous Assessment • Written Paper <p>EOS418 Applied Field Hydrogeology [5]</p> <ul style="list-style-type: none"> • Continuous Assessment • Written Paper <p>PH328 Physics of the Environment I [5]</p> <ul style="list-style-type: none"> • Written Paper <p>TI311 Advanced Gis [5]</p> <ul style="list-style-type: none"> • Continuous Assessment <p>ZO317 Evolutionary Biology [5]</p> <ul style="list-style-type: none"> • Continuous Assessment • Written Paper <p>ZO417 Marine & Coastal Ecology [5]</p> <ul style="list-style-type: none"> • Written Paper <p>-----</p> <p><u>Semester 2</u></p> <p>AR347 Palaeoecology - Reconstructing Past Environments [5]</p> <ul style="list-style-type: none"> • Written Paper
		Continued...	Continued...

Electives – *Continued*

		<p>ZO315 Applied Ecology [5]</p> <ul style="list-style-type: none"> • <i>Continuous Assessment</i> • <i>Written Paper</i> <p>ZO320 Concepts in Population and Community Ecology [5]</p> <ul style="list-style-type: none"> • <i>Continuous Assessment</i> • <i>Written Paper</i> 	<p>BPS405 Ecology and Conservation Issues [5]</p> <ul style="list-style-type: none"> • <i>Continuous Assessment</i> • <i>Written Paper</i> <p>PH329 Physics of the Environment II [5]</p> <ul style="list-style-type: none"> • <i>Written Paper</i> <p>ZO318 Geographic Information Systems and Biostatistics [5]</p> <ul style="list-style-type: none"> • <i>Continuous Assessment</i> • <i>Written Paper</i>