NUI Galway
OÉ Gaillimh

College of Science and Engineering
2022/2023

BSc ENVIRONMENTAL SCIENCE

www.nuigalway.ie/science-engineering

(V.1)

Overview

Year 1	Year 2	Year 3	Year 4
[60 credits]	**[60 credits]**	**[60 credits]**	**[60 credits]**
There are 30 credits of Core modules. Choose one of the following options to a value of 30 credits: Chemistry Physics or Chemistry/Physics Introductory Psychology I Introductory Psychology II Introduction to Irish Habitats	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 40 credits of Core modules. Choose Electives to value of 20 credits from the list available.

Module Descriptors for Years 1 to 4 are available at: http://www.nuigalway.ie/science-engineering/undergraduateprogrammes/environmental-science.html

BSc Environmental Science

Overview

Modules

Electives

Year 1	Year 2	Year 3	Year 4
[Core: 30 credits; Electives: 30 credits]	**[Core: 60 credits]**	**[Core: 40 credits; Electives: 20 credits]**	**[Core: 40 credits; Electives: 20 credits]**
Full Year – Semester 1 and Semester 2	***Semester 1***	***Semester 1***	***Full Year – Semester 1 and Semester 2***
BO101 **Biology [15]**	EV203 **Ecological Survey Techniques [5]**	EV304 **Field Course with Environmental Skills [5]**	EV420 **Project [25]**
LW3114 **Introduction to Law [5]**	LW217 **Environmental Legislation [5]**	ST314 **Introduction to Biostatistics [5]**	***Semester 2***
Semester 1	BPS202 **Fundamentals in Aquatic Plant Science [5]**	MI3101 **Microbial Genomics [5]**	EV404 **Advanced Field Course in Environmental Science [5]**
ST2001 **Statistics in Data Science I [5]**	MI202 **Laboratory Skills in Microbiology I [5]**	EV307 **Nature Conservation & Habitat Management [5]**	EV405 **Environmental Impact Assessment [5]**
Semester 2	***Semester 2***	BPS3102 **Plant Resources and Ecosystems [5]**	EV406 **Environmental Science Seminars [5]**
EV102 **Hot Topics in Environmental Science [5]**	EOS2101 **Introduction to Fieldskills [5]**	***Semester 2***	
	ZO208 **Invertebrate Biology [5]**	MI322 **Environmental Microbiology [5]**	
	MI203 **Laboratory Skills in Microbiology II [5]**	EV305 **Habitat Management Planning [5]**	
	MI204 **Microbes and the Environment [5]**	LW3124 **Legislation for Environmental Scientists [5]**	
	BPS203 **Plant Diversity, Physiology & Adaptation [5]**		
	EOS2102 **The Earth: From Core to Crust [10]**		
	ZO209 **Vertebrate Zoology [5]**		

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ELECTIVES

Year 1	Year 2	Year 3	Year 4
OPTION 1: *Full Year Semester 1 and Semester 2* CH101 **Chemistry [15]** PH101 **Physics [15]** **OPTION 2:** *Full Year Semester 1 and Semester 2* CP102 **Chemistry/Physics [15]** *Semester 1:* PS122 **Introductory Psychology 1 [5]** --- *Semester 2* EV1101 **Introduction to Irish Habitats [5]** PS124 **Introductory Psychology 2 [5]**		*Full Year – Semester 1 and Semester 2* BPS3101 **Techniques in Field Ecology and Conservation [5]** --- *Semester 1* BSS2103 **Introduction to Sustainability 1 [5]** EOS305 **Introduction to Applied Field Hydrology [5]** EOS3103 **Palaeontology and Evolution [5]** PAB3101 **Soil Sciences [5]** MI324 **Immunology and Recombinant Techniques [5]** TI2102 **Introduction To GIS [10]** --- *Semester 2* AR347 **Palaeoecology - Reconstructing Past Environments [5]** BPS3104 **Plant Interactions [5]** EOS304 **Aquatic Geochemistry [5]** ZO315 **Applied Ecology [5]** ZO318 **Geographic Information Systems and Biostatistics [5]** ZO320 **Concepts in Population and Community Ecology [5]**	*Full Year – Semester 1 and Semester 2* BPS3101 **Techniques in Field Ecology and Conservation [5]** ZO418 **Phylogenetics & Conservation [5]** --- *Semester 1* BSS2103 **Introduction to Sustainability 1 [5]** EOS305 **Introduction to Applied Field Hydrology [5]** EOS3103 **Palaeontology and Evolution [5]** EOS402 **Global Change [5]** EOS418 **Applied Field Hydrogeology [5]** PAB3101 **Soil Sciences [5]** PH328 **Physics of the Environment I [5]** ZO317 **Evolutionary Biology [5]** ZO417 **Marine & Coastal Ecology [5]** --- *Semester 2* AR347 **Palaeoecology - Reconstructing Past Environments [5]** BPS3104 **Plant Interactions [5]** BPS405 **Ecology and Conservation Issues [5]** EOS4101 **Earth Observation and Remote Sensing [5]** MI4102 **Microbial Ecosystems Services & Systems Biology [5]** MI4103 **Environmental Biotechnology [5]** *Continued…*

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ELECTIVES

Year 1	Year 2	Year 3	Year 4
			PH329 **Physics of the Environment II [5]** TI311 **Advanced GIS [5]** ZO315 **Applied Ecology [5]** ZO318 **Geographic Information Systems and Biostatistics [5]**

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