



NUI Galway
OÉ Gaillimh

College of Science

Fullscreen

Next page

BSc BIOTECHNOLOGY



www.nuigalway.ie/science

Overview

Year 1	Year 2	Year 3	Year 4
[60 credits]	[60 credits]	[60 credits]	[60 credits]
<p>There are 55 credits of Core modules.</p> <p>Choose one module to a value of 5 credits:</p> <ul style="list-style-type: none"> French for Biotechnology I German for Biotechnology I 	<p>There are 55 credits of Core modules.</p> <p>Choose one module to a value of 5 Credits:</p> <ul style="list-style-type: none"> French for Biotechnology II German for Biotechnology II 	<p>There are 25 credits of Core modules.</p> <p>Choose one module to a value of 5 credits:</p> <ul style="list-style-type: none"> French for Biotechnology III German for Biotechnology III <p>Placement Option: 30 credits Students assigned to the Placement Option must take:</p> <ul style="list-style-type: none"> Biotechnology Placement Experience Biotechnology Skills for Placement <p>On-Campus Option: 30 credits Students assigned to the On-Campus Option must take:</p> <ul style="list-style-type: none"> Biotechnology Skills with French/German III Human Molecular Genetics Plant and Agricultural Genetics Immunology and Recombinant Techniques Protein Biochemistry <p>Plus one of:</p> <ul style="list-style-type: none"> Cell Signalling Environmental Microbiology 	<p>There are 55 Credits of core modules.</p> <p>Choose one module to a value of 5 credits:</p> <ul style="list-style-type: none"> Bioprocessors & Recombinant Protein Production Plant and Agri-Biotechnologies

BSc Biotechnology

Year 1	Year 2	Year 3	Year 4
[Core: 55 credits; Options: 5 credits]	[Core: 55 credits; Options: 5 credits]	[Core: 25 Credits; Options: 35 credits]	[Core: 60 credits]
Full Year – Semester 1 and Semester 2	Full Year – Semester 1 and Semester 2	Semester 1	Full Year – Semester 1 and Semester 2
BO101 Biology [15] <ul style="list-style-type: none"> Continuous Assessment (Summer) Written Paper 1 (Semester 1) Written Paper 2 (Semester 2) 	FR216 French for Biotechnology II [5]* <ul style="list-style-type: none"> Continuous Assessment Written Paper 	BI309 Cell Biology [5] <ul style="list-style-type: none"> Continuous Assessment Written Paper 	BI452 Biochemistry Principles and Experimental Design [5] <ul style="list-style-type: none"> Continuous Assessment Departmental Assessment (Semester 1) Written Paper (Semester 1)
BG110 Biotechnology I [5] <ul style="list-style-type: none"> Continuous Assessment (Summer) Written Paper (Summer) 	GR241 German for Biotechnology II [5]* <ul style="list-style-type: none"> Continuous Assessment Written Paper 	MI323 Food and Industrial Microbiology [5] <ul style="list-style-type: none"> Continuous Assessment Written Paper 	BI453 Biochemistry Research Project [15] <ul style="list-style-type: none"> Project (Summer) Thesis - Minor (Semester 2)
BG111 Biotechnology Skills with French/German [5] <ul style="list-style-type: none"> Continuous Assessment (Summer) Written Paper (Summer) 	Semester 1 BG204 Biotechnology Skills with French/German II [5] <ul style="list-style-type: none"> Continuous Assessment Written Paper 	FR364 French for Biotechnology III [5]* <ul style="list-style-type: none"> Continuous Assessment Paper 1 - Written 	MI442 Bioprocessors and Recombinant Protein Production [5]* <ul style="list-style-type: none"> Written Paper (Summer)
CH130 Chemistry: The World of the Molecule [15] <ul style="list-style-type: none"> Continuous Assessment (Summer) Written Paper 1 (Semester 1) Written Paper 2 (Semester 2) 	MI202 Laboratory Skills in Microbiology I [5] <ul style="list-style-type: none"> Continuous Assessment 	PM208 Fundamental Concepts in Pharmacology [5] <ul style="list-style-type: none"> Continuous Assessment Written Paper 	BI447 Literature Review and Presentation [10] <ul style="list-style-type: none"> Departmental Assessment Thesis - Minor (Semester 1)
FR137 French for Biotechnology I [5]* <ul style="list-style-type: none"> Continuous Assessment (Summer) Written Paper (Summer) 	BO201 Molecular and Cellular Biology [5] <ul style="list-style-type: none"> Continuous Assessment Written Paper 	GR358 German for Biotechnology III [5]* <ul style="list-style-type: none"> Continuous Assessment Paper 1 - Written (Spring) 	Semester 1 BI445 Biomolecules [5] <ul style="list-style-type: none"> Written Paper
GR150 German for Biotechnology I [5]* <ul style="list-style-type: none"> Continuous Assessment (Summer) Written Paper (Summer) 	CH203 Physical Chemistry [5] <ul style="list-style-type: none"> Continuous Assessment Written Paper 	MI326 Microbial Metabolic and Molecular Systems [5] <ul style="list-style-type: none"> Continuous Assessment Written Paper 	MG529 Introduction To Business [10] <ul style="list-style-type: none"> Continuous Assessment Written Paper
Semester 1 MA170 Introduction to Programming for Biologists [5] <ul style="list-style-type: none"> Continuous Assessment 	BI208 Protein Structure and Function [5] <ul style="list-style-type: none"> Continuous Assessment Written Paper 	BI319 Molecular Biology [5] <ul style="list-style-type: none"> Continuous Assessment Written Paper 	BI448 Modern Biotechnologies [5] <ul style="list-style-type: none"> Written Paper
ST237 Introduction to Statistical Data and Probability [5] <ul style="list-style-type: none"> Written Paper 	Semester 2 CH205 Analytical & Environmental Chemistry [5] <ul style="list-style-type: none"> Continuous Assessment Written Paper 	Semester 2 Placement option BG3101 Biotechnology Placement Experience [25] <ul style="list-style-type: none"> Departmental Assessment Project 	Semester 2 PAB4104 Plant and Agri-Biotechnologies [5]* <ul style="list-style-type: none"> Written Paper
Semester 2 ST238 Introduction to Statistical Inference [5] <ul style="list-style-type: none"> Written Paper 	BI206 Gene Technologies and Molecular Medicine [5] <ul style="list-style-type: none"> Continuous Assessment Written Paper 	BG304 Biotechnology Skills for Placement [5] <ul style="list-style-type: none"> Departmental Assessment 	BI449 Molecular and Cellular Biology [5] <ul style="list-style-type: none"> Written Paper
	Continued...	Continued...	

	<p>BI207 Metabolism and Cell Signalling [5]</p> <ul style="list-style-type: none"> • Continuous Assessment • Written Paper <p>MI204 Microbes and the Environment [5]</p> <ul style="list-style-type: none"> • Continuous Assessment • Written Paper <p>CH202 Organic Chemistry [5]</p> <ul style="list-style-type: none"> • Continuous Assessment • Written Paper 	<p>On-Campus option</p> <p>BG305 Biotechnology Skills with French/German III [5]</p> <ul style="list-style-type: none"> • Departmental Assessment <p>BI313 Cell Signalling [5]*</p> <ul style="list-style-type: none"> • Continuous Assessment • Written Paper <p>MI322 Environmental Microbiology [5]*</p> <ul style="list-style-type: none"> • Written Paper <p>BI317 Human Molecular Genetics [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>PAB3103 Plant and Agricultural Genetics [5]</p> <ul style="list-style-type: none"> • Continuous Assessment • Written Paper <p>BI321 Protein Biochemistry [5]</p> <ul style="list-style-type: none"> • Continuous Assessment • Written Paper 	
* Select one 5-credit module	* Select one 5-credit module	*Select one 5-credit language module. *Select one 5-credit modules in the On-Campus option.	*Select one 5-credit module