



NUI Galway
OÉ Gaillimh

College of Science

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BSC BIOPHARMACEUTICAL CHEMISTRY



www.nuigalway.ie/science

Overview

Year 1	Year 2	Year 3	Year 4
[60 credits]	[60 credits]	[60 credits]	[60 credits]
<p>There are 45 credits of Core modules.</p> <p>Choose one module to a value of 15 credits:</p> <ul style="list-style-type: none"> Applied Mathematics Computer Science Mathematical Studies Mathematics (Honours) 	<p>There are 60 credits of Core modules.</p>	<p>There are 60 credits of Core modules.</p>	<p>There are 30 credits of Core modules.</p> <p>Work Placement Option: 30 credits Students assigned to the Work Placement Option must take:</p> <ul style="list-style-type: none"> Biopharmaceutical Chemistry Dissertation Work Placement <p>On-Campus Option: 30 credits Students assigned to the On-Campus Option must take:</p> <ul style="list-style-type: none"> On Campus Project <p>Plus three of:</p> <ul style="list-style-type: none"> Advanced Inorganic Chemistry Mechanisms, Polymer Chemistry and Photochemistry Physical Chemistry 1 Selective Synthesis and Organometallic Chemistry
<p>Module Descriptors available at: http://www.nuigalway.ie/science/undergraduate-courses/biopharmaceutical-chemistry.html#course_outline</p>			

BSc Biopharmaceutical Chemistry

Year 1	Year 2	Year 3	Year 4
[Core: 45 credits; Options: 15 credits]	[Core: 60 credits]	[Core: 60 credits]	[Core: 30 credits; Options: 30 credits]
<i>Full Year – Semester 1 and Semester 2</i>	<i>Semester 1</i>	<i>Semester 1</i>	<i>Semester 1</i>
BO101 Biology [15]	PM209 Applied Concepts in Pharmacology [5]	CH326 Analytical Chemistry & Molecular Structure [5]	Work Placement Option
CH101 Chemistry [15]	PM208 Fundamental Concepts in Pharmacology [5]	CH332 Drug Design & Drug Discovery [10]	CH4110 Biopharmaceutical Chemistry Dissertation [15]
PH101 Physics [15]	CH204 Inorganic Chemistry [5]	CH333 Experimental Chemistry I [5]	CH4111 Work Placement [15]
One of:	BO201 Molecular and Cellular Biology [5]	BI319 Molecular Biology [5]	On Campus Option
MP180 Applied Mathematics [15]*	CH203 Physical Chemistry [5]	CH311 Organic Chemistry [5]	CH4112 On Campus Project [15]
CS102 Computer Science [15]*	BI208 Protein Structure and Function [5]	-----	CH445 Advanced Inorganic Chemistry [5]*
MA161 Mathematical Studies [15]*	-----	<i>Semester 2</i>	CH439 Mechanisms, Polymer Chemistry and Photochemistry [5]*
MA180 Mathematics (Honours) [15]*	<i>Semester 2</i>	CH334 Experimental Chemistry II [5]	CH429 Physical Chemistry 1 [5]*
	CH205 Analytical & Environmental Chemistry [5]	BI317 Human Molecular Genetics [5]	CH449 Selective Synthesis and Organometallic Chemistry [5]*
	CH3101 Computers and Chemical Research [10]	CH307 Inorganic Chemistry [5]	-----
	BI206 Gene Technologies and Molecular Medicine [5]	CH313 Physical Chemistry [5]	<i>Semester 2</i>
	BI207 Metabolism and Cell Signalling [5]	BI321 Protein Biochemistry [5]	CH4109 Analytical and Biophysical Chemistry [10]
	CH202 Organic Chemistry [5]	CH3103 Validation in the Pharmaceutical and Medical Device Industry [5]	CH4107 Bioorganic & Bioinorganic Chemistry [10]
			CH4108 Biopharmaceutical Chemistry & Industrial Chemistry [10]
* Select one 15-credit module			* Select modules to a value of 15 credits for the On Campus Option.