NUI Galway
OÉ Gaillimh

College of Science and Engineering
2022/2023

BSc BIOPHARMACEUTICAL CHEMISTRY

www.nuigalway.ie/science-engineering

(V.1)

Overview

Overview

Modules

Year 1	Year 2	Year 3	Year 4
[60 credits]	**[60 credits]**	**[60 credits]**	**[60 credits]**
There are 45 credits of Core modules. Choose one module to a value of 15 credits: Applied Mathematics Computer Science Mathematical Studies Mathematics (Honours)	There are 60 credits of Core modules.	There are 60 credits of Core modules.	There are 30 credits of Core modules. Work Placement Option: 30 credits Students assigned to the Work Placement Option must take: Biopharmacuetical Chemistry Dissertation Work Placement On-Campus Option: 30 credits Students assigned to the On-Campus Option must take: On Campus Project Plus three of: Advanced Inorganic Chemistry Mechanisms, Polymer Chemistry and Photochemistry Physical Chemistry 1 Selective Synthesis and Organometallic Chemistry

Module Descriptors available at: http://www.nuigalway.ie/science-engineering/undergraduateprogrammes/biopharmaceutical-chemistry.html#course_outline

BSc Biopharmaceutical Chemistry

Overview

Modules

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]**
Full Year – Semester 1 and Semester 2	***Semester 1***	***Semester 1***	***Semester 1***
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]**	***Semester 2***	CH445 **Advanced Inorganic Chemistry [5]***
MA161 **Mathematical Studies [15]***	***Semester 2***	CH334 **Experimental Chemistry II [5]**	CH439 **Mechanisms, Polymer Chemistry and Photochemistry [5]***
MA180 **Mathematics (Honours) [15]***	CH205 **Analytical & Environmental Chemistry [5]**	BI317 **Human Molecular Genetics [5]**	CH429 **Physical Chemistry 1 [5]***
	CH3101 **Computers and Chemical Research [10]**	CH307 **Inorganic Chemistry [5]**	CH449 **Selective Synthesis and Organometallic Chemistry [5]***
	BI206 **Gene Technologies and Molecular Medicine [5]**	CH313 **Physical Chemistry [5]**	***Semester 2***
	BI207 **Metabolism and Cell Signalling [5]**	BI321 **Protein Biochemistry [5]**	CH4107 **Analytical and Biophysical Chemistry [10]**
	CH202 **Organic Chemistry [5]**	CH3103 **Validation in the Pharmaceutical and Medical Device Industry [5]**	CH4108 **Bioorganic & Bioinorganic Chemistry [10]**
			CH4115 **Biopharmaceutical Chemistry [5]**
* Select one 15-credit module			* Select modules to a value of 15 credits for the On Campus Option.

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