



OLLSCOIL NA GAILLIMHÉ
UNIVERSITY OF GALWAY

Bachelor of Science Degree
College of Science and Engineering
2023/2024

BSc BIOPHARMACEUTICAL CHEMISTRY

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 MathematicsComputer ScienceMathematical StudiesMathematics (Honours)	<p>There are 60 credits of Core modules.</p>	<p>There are 60 credits of Core modules.</p>	<p>There are 60 credits of Core modules.</p>
<p>Module Descriptors for Years 1 to 4 are available at: https://www.universityofgalway.ie/science-engineering/undergraduateprogrammes/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: 60 credits]
<p><i>Full Year – Semester 1 and Semester 2</i></p> <p>BO101 Biology [15] CH101 Chemistry [15] PH101 Physics [15]</p> <p>One of:</p> <p>MP180 Applied Mathematics [15]* CS102 Computer Science [15]* MA161 Mathematical Studies [15]* MA180 Mathematics (Honours) [15]*</p>	<p><i>Semester 1</i></p> <p>PM209 Applied Concepts in Pharmacology [5] PM208 Fundamental Concepts in Pharmacology [5]</p> <p>CH204 Inorganic Chemistry [5] BO201 Molecular and Cellular Biology [5] CH203 Physical Chemistry [5] BI208 Protein Structure and Function [5]</p> <p><i>Semester 2</i></p> <p>CH205 Analytical & Environmental Chemistry [5] CH3101 Computers and Chemical Research [10] BI206 Gene Technologies and Molecular Medicine [5]</p> <p>BI207 Metabolism and Cell Signalling [5] CH202 Organic Chemistry [5]</p>	<p><i>Semester 1</i></p> <p>CH326 Analytical Chemistry & Molecular Structure [5] CH332 Drug Design & Drug Discovery [10] CH333 Experimental Chemistry I [5] BI319 Molecular Biology [5] CH311 Organic Chemistry [5]</p> <p><i>Semester 2</i></p> <p>CH334 Experimental Chemistry II [5] BI317 Human Molecular Genetics [5] CH307 Inorganic Chemistry [5] CH313 Physical Chemistry [5] BI321 Protein Biochemistry [5] CH3103 Validation in the Pharmaceutical and Medical Device Industry [5]</p>	<p><i>Semester 1</i></p> <p>CH4116 Biopharmaceutical Chemistry Dissertation [10] CH4117 Work Placement [20]</p> <p><i>Semester 2</i></p> <p>CH445 Advanced Inorganic Chemistry [5] CH446 Bioinorganic and Inorganic Medicinal Chemistry [5] CH438 Bioorganic Chemistry [5] CH4115 Biopharmaceutical Chemistry [5] CH4113 Organic Chemistry [5] CH432 Physical Chemistry 2 [5]</p>
* Select one 15-credit module			