

# Addendum to the Programme Specification

## 8573 BSc Biochemistry

This Addendum has been produced to highlight the key changes made to the existing Programme Specification as a result of the University's response to the Covid-19 Pandemic. You should read it in conjunction with the relevant Programme Specification.

[Programme Specification for entry in 2020-21](#)

### University level information

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In view of COVID-19, the University has had to make changes to some elements of programme delivery for 2020-21. These changes have included the method of delivery, such as face-to-face and online, and the number of modules available.

The University aims to provide as much of a face-to-face component to your education as prevailing conditions at the time allow, combined with its new blended approach that will develop active independent and group online learning.

As the COVID-19 pandemic develops, the University's response to this and other issues may likewise need to evolve. The University will consult with student representatives as necessary and appropriate and will communicate changes to you as soon as practicable so that you have the information you need to understand how a change may impact you and what steps you need to take next. The University remains committed to supporting you as you learn.

### Programme Information

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In light of Covid-19, there will be some changes to how some group work tasks will be organised. All modules with practical components or group work will be scheduled to allow for smaller groups, and appropriate social distancing protocols will be in place when using facilities.

## Programme Structure

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Where optional modules have been specified, the following is an indicative list of available optional modules, which are subject to change each academic year. Please note that, in some instances, modules have limited spaces available

<b>Programme</b>	BSc (Hons) Biochemistry
<b>Term</b>	2020-2021 Academic Session (202021)
<b>Campus</b>	Southampton campuses
<b>Faculty</b>	Environmental and Life Sci
<b>Degree</b>	Bachelor of Science
<b>Level of Study</b>	Undergraduate
<b>Credit Requirement</b>	360
<b>Minors</b>	None

Code	Description	Full or Part time
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8573 [BSc Biochemistry](#) Full Time

Part	Credit required	Courses Required
<a href="#">BSc Biochemistry Part 1</a>	120	
<a href="#">BSc Biochemistry Part 2</a>	120	
<a href="#">BSc Biochemistry Part 3</a>	120	

<b>Programme:</b>	BSc (Hons) Biochemistry
<b>Term:</b>	2020-2021 Academic Session (202021)
<b>Area title:</b>	BSc Biochemistry Part 1

### Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
<a href="#">BIOL 1024</a>	Fundamentals of Biochemistry	30	No	Full Academic Year
<a href="#">BIOL 1025</a>	Fundamentals of Cell Biol&Phys	30	No	Full Academic Year

<a href="#">BIOL 1026</a>	Chemistry of Life	30	No	Full Academic Year
<a href="#">BIOL 1027</a>	The Human Genome and Disease	15	No	Semester 2
<a href="#">BIOL 1030</a>	How to Think Like a Scientist	15	No	Full Academic Year

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**Programme:** BSc (Hons) Biochemistry

**Term:** 2020-2021 Academic Session (202021)

**Area title:** BSc Biochemistry Part 2

### Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
<a href="#">BIOL 2010</a>	Flow of Genetic Information	15	Yes	Semester 1
<a href="#">BIOL 2012</a>	Explrng Proteins: Strct & Func	15	Yes	Semester 2
<a href="#">BIOL 2013</a>	Bioinformatics & DNA Technology	15	Yes	Semester 1

### Optional Modules

You must choose from the following modules:

Module		Credit	Semester/Term
Rule 1	<p><b>Optional Modules Part 1</b></p> <p><b>Choose between 4 to 5 modules (60 - 75 credits) from the following:</b></p> <p><b>Neuroscience and Pharmacology can be taken as a 30 credit (full year) or a 15 credit (semester 1) version. You should take BIOL2051 (15 credits) OR BIOL2052 (30 credits); or BIOL2048 (15 credits) OR BIOL2049 (30 credits).</b></p> <p><b>Should a student choose to not continue with the 30 credit module into semester 2 (BIOL2052 or BIOL2049) they will be awarded the end of semester 1 against the 15</b></p>		

	<p><b>credit version. An additional Semester 2 module will need to be selected to ensure you have a balance of 120 credits overall for part 2.</b></p> <p><b>It is possible to audit a single second year module (attend a module and learn the content without taking the assessments), please go to your student office for more details.</b></p>		
<a href="#">BIOL 2022</a>	Immunology. Infection and Inflammation	15	Semester 2
<a href="#">BIOL 2056</a>	Cell Biology	15	Semester 1
<a href="#">BIOL 2044</a>	Medical Microbiology	15	Semester 2
<a href="#">BIOL 2045</a>	Vertebrate Development	15	Semester 2
<a href="#">BIOL 2048</a>	Principles of Pharmacology	15	Semester 1
<a href="#">BIOL 2049</a>	Pharmacology	30	Full Academic Year
<a href="#">BIOL 2051</a>	Principles of Neuroscience	15	Semester 1
<a href="#">BIOL 2052</a>	Neuroscience	30	Full Academic Year
Rule 2	<p><b>Optional Modules Part 2</b></p> <p><b>Choose up to one optional module (0 - 15 credits) from below:</b></p>		
<a href="#">BIOL 1003</a>	Ecology & Evolution	15	Semester 2
<a href="#">BIOL 2001</a>	Evolution	15	Semester 1
<a href="#">BIOL 2007</a>	Plant Development and Function	15	Semester 2
<a href="#">CHEM 1047</a>	Mathematical Methods in Chemistry I	15	Semester 1
<a href="#">CHEM 2024</a>	Mathematical Methods in Chemistry II	15	Semester 2
<a href="#">GEOG 1001</a>	The Earth System	15	Semester 2
<a href="#">GEOG 1004</a>	A Global World	15	Semester 1
<a href="#">GEOG 2032</a>	Global Climate Change: Science, Impacts and Policy	15	Semester 2
<a href="#">NATS 2002</a>	Editing life: genetic engineering and synthetic biology	15	Semester 1
<a href="#">UOSM 2004</a>	Global Health	15	Semester 1

**Programme:** BSc (Hons) Biochemistry  
**Term:** 2020-2021 Academic Session (202021)  
**Area title:** BSc Biochemistry Part 3

### Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
<a href="#">BIOL 3013</a>	Molecular Recognition	15	Yes	Semester 2
<a href="#">BIOL 3014</a>	Molecular Cell Biology	15	Yes	Semester 1
<a href="#">BIOL 3017</a>	Mole/Struct Basis Disease	15	Yes	Semester 2

### Optional Modules

You must choose from the following modules:

Module		Credit	Semester/Term
Rule 1	<p><b>Independent Study Modules</b></p> <p><b>Project module selection (which covers a total of 30 credits over the third year)</b></p> <p><b>Choose either one 30 credit or two 15 credit modules.</b></p>		
<a href="#">BIOL3034</a>	Laboratory research project	30	Full Academic Year
<a href="#">BIOL3058</a>	Bioscience Business	30	Full Academic Year
<a href="#">BIOL3059</a>	Bioscience Education	30	Full Academic Year
<a href="#">BIOL3061</a>	Field research project	30	Full Academic Year
<a href="#">BIOL3069</a>	In-silico research project	30	Full Academic Year
<a href="#">BIOL3031</a>	Literature-based research project	15	Semester 1
<a href="#">BIOL3032</a>	Literature-based research project	15	Semester 2
<a href="#">BIOL3060</a>	Science communication	15	Semester 1
<a href="#">BIOL3062</a>	Short field project (semester 1)	15	Semester 1
<a href="#">BIOL3066</a>	Extended Science communication	15	Semester 2
<a href="#">BIOL3073</a>	Bioethics Project	15	Semester 2

Rule 2	<p><b>Optional Modules Part 1</b></p> <p>Select 2 to 3 modules (30 - 45 credits) from below with at least one from the following recommended modules:</p> <p><b>BIOL3015, BIOL3021, BIOL3026, BIOL3063, BIOL3064, BIOL3018, BIOL3022 or BIOL3052</b></p>		
<a href="#">BIOL 3001</a>	Current Topics in Cell and Developmental Biology	15	Semester 1
<a href="#">BIOL 3006</a>	Stem cell biology and bioengineering for regenerative	15	Semester 2
<a href="#">BIOL 3015</a>	Regulation of Gene Expression	15	Semester 1
<a href="#">BIOL 3018</a>	Molecular Pharmacology	15	Semester 2
<a href="#">BIOL 3020</a>	Systems Neuroscience	15	Semester 2
<a href="#">BIOL 3021</a>	Cellular and Molecular Neuroscience	15	Semester 1
<a href="#">BIOL 3022</a>	Cell Signalling in Health and Disease	15	Semester 2
<a href="#">BIOL 3025</a>	Neuropharmacology of CNS Disorders	15	Semester 1
<a href="#">BIOL 3037</a>	Immunology	15	Semester 1
<a href="#">BIOL 3043</a>	Cellular and Molecular Pathology	15	Semester 1
<a href="#">BIOL 3044</a>	Development Origins of Health and Disease	15	Semester 2
<a href="#">BIOL 3048</a>	Neurodegenerative Disease	15	Semester 2
<a href="#">BIOL 3052</a>	Biomedical Technology	15	Semester 2
<a href="#">BIOL 3057</a>	Biofilms and Microbial Communities	15	Semester 2
<a href="#">BIOL 3063</a>	Bioinformatics and Systems Biology	15	Semester 1
<a href="#">BIOL 3064</a>	Cancer Chromosome Biology	15	Semester 1
<a href="#">BIOL 3065</a>	Biomedical Parasitology	15	Semester 2
<a href="#">BIOL 3067</a>	Evolution and Development	15	Semester 1
Rule 3	<p><b>Optional Modules Part 2</b></p> <p>Choose up to one optional module (0 - 15 credits) from below:</p>		
<a href="#">BIOL 2001</a>	Evolution	15	Semester 1
<a href="#">BIOL 2007</a>	Plant Development and Function	15	Semester 2
<a href="#">BIOL 3003</a>	Plant Cell Biology	15	Semester 1
<a href="#">BIOL 3010</a>	Evolution and Genetics	15	Semester 2
<a href="#">BIOL 3053</a>	Biodiversity and Conservation	15	Semester 1

<a href="#">CHEM 2024</a>	Mathematical Methods in Chemistry II	15	Semester 2
<a href="#">GEOG 2032</a>	Global Climate Change: Science, Impacts and Policy	15	Semester 2
<a href="#">NATS 2002</a>	Editing life: genetic engineering and synthetic biology	15	Semester 1
<a href="#">UOSM 2004</a>	Global Health	15	Semester 1
<a href="#">UOSM 6001</a>	Ethics in Science, Engineering and Technology:	15	Semester 2