

Programme Regulations: 2021/22

Programme Titles:

Degree of Bachelor of Science with Honours in Biology (Cellular and Molecular Biology) - UCAS Code: C1C7

Degree of Bachelor of Science with Honours in Biology (Cellular and Molecular Biology) with Placement Year - Code: CC17

Degree of Master of Biology (Cellular and Molecular Biology) – UCAS Code: C7C1

Degree of Master of Biology (Cellular and Molecular Biology) with Placement Year – Code: 1141U

Degree of Master of Biology (Cellular and Molecular Biology) with Placement Year (Year 3) – Code: 1607U

Notes

- (i) *These programme regulations should be read in conjunction with the University's Taught Programme Regulations.*
- (ii) *All optional modules are offered subject to the constraints of the timetable and to any restrictions on the number of students who may be taught on a particular module. Not all modules may be offered in all years and they are listed subject to availability.*
- (iii) *Unless otherwise stated under 'Type', modules are not core.*
- (iv) *A compulsory module is a module which a student is required to study.*
- (v) *A core module is a module which a student must pass, and in which a fail mark may neither be carried nor compensated; such modules are designated by the board of studies as essential for progression to a further stage of the programme or for study in a further module. A final stage module cannot be deemed to be core.*
- (vi) *All modules are delivered in Linear mode unless stated otherwise as Block, eLearning or distance learning.*

1. Stage 1

- (a) All candidates shall take the following compulsory modules:

<i>Code</i>	<i>Descriptive title</i>	<i>Total Credits</i>	<i>Credits Sem 1</i>	<i>Credits Sem 2</i>	<i>Level</i>
BIO1020	Genetics and Evolution	20		20	4
BIO1021	Diversity of Life: Form and Function	20	10	10	4
BIO1022	Ecology and Conservation	20	20		4
BIO1023	Cells and Biomolecules	20	20		4
MST1204	Academic and Professional Skills for the Biosciences	20	10	10	4

- (b) All candidates shall select optional modules to the value of 20 credits from the following list:

<i>Code</i>	<i>Descriptive title</i>	<i>Total Credits</i>	<i>Credits Sem 1</i>	<i>Credits Sem 2</i>	<i>Level</i>
ACE1022	Crop Pests	10		10	4

ACE1056	Principles of animal physiology and health	20		20	4
ACE1057	Natural Science Research Impact	10		10	4
CHY1610*	Introduction to Scientific Computing for Chemists	10		10	4
MST1203	The Marine Environment	20		20	4
MST1206	Marine Microbiology and Primary Producers	20		20	4

*Requires A-level Chemistry

With the approval of the Degree Programme Director, alternative optional modules to those listed above may be selected.

2. Stage 2

(a) All candidates shall take the following compulsory modules:

<i>Code</i>	<i>Descriptive title</i>	<i>Total Credits</i>	<i>Credits Sem 1</i>	<i>Credits Sem 2</i>	<i>Level</i>
BIO2020	Experimental Design and Statistics	10	10		5
BIO2023	Cellular Biochemistry	20	20		5
BIO2030	Biotechnology: Principles and Practice	20		20	5
BIO2033	Bioprospecting: Chemical and biological diversity of endophytic bacteria	20		20	5

(b) All candidates shall take one or both of the following modules:

<i>Code</i>	<i>Descriptive title</i>	<i>Total Credits</i>	<i>Credits Sem 1</i>	<i>Credits Sem 2</i>	<i>Level</i>
BIO2034	Animal Function (Physiology and Development)	20	20		5
BIO2035	Plant Biology	20	20		5

(c) All candidates not taking both modules in (b) shall select optional modules to the value of 30 credits from the following list:

<i>Code</i>	<i>Descriptive title</i>	<i>Total Credits</i>	<i>Credits Sem 1</i>	<i>Credits Sem 2</i>	<i>Level</i>
ACE2031	Animal Parasitology	10		10	5
ACE2077	Sustainable Solutions	10	10		5
BIO2017	Microbiology	10		10	5
BIO2018	Pollution of Air, Water and Soil	10	10		5
BIO2036	Molecular Evolution and Systematics	20		20	5
MST2202	Applied Marine Biology	20		20	5

With the approval of the Degree Programme Director, an alternative optional module or modules to those listed above may be selected with a total value of not more than 20 credits. In particular, modules may be selected from the following:

<i>Code</i>	<i>Descriptive title</i>	<i>Total Credits</i>	<i>Credits Sem 1</i>	<i>Credits Sem 2</i>	<i>Level</i>
NCL2007	Career Development for second year students	20	10	10	5
NCL2100	Developing Enterprise, Entrepreneurship and Employability	20	10	10	5

To progress to Stage 3 of this degree programme, candidates are required to obtain an average over all modules taken at Stage 2 of at least 60 at the first attempt.

3. Year 3 (Placement Year) – CC17 and 1607U candidates

On completion of Stage 2 and before entering Stage 3, candidates for CC17 only, take as part of their studies for the degree a year in a placement with an approved organisation. Permission to undertake a placement is subject to the approval of the Degree Programme Director. Students who are required to re-sit their Stage 2 assessment must delay the start of their placement until they have done so. Students who fail Stage 2 may not complete a placement year.

<i>Code</i>	<i>Descriptive title</i>	<i>Total Credits</i>	<i>Credits Sem 1</i>	<i>Credits Sem 2</i>	<i>Level</i>	<i>Mode</i>
NCL3000	Career Service Placement Year Module	120	60	60	6	

4. Stage 3

(a) All candidates shall take the following compulsory modules:

<i>Code</i>	<i>Descriptive title</i>	<i>Total Credits</i>	<i>Credits Sem 1</i>	<i>Credits Sem 2</i>	<i>Level</i>
BIO3042	Biotechnology: Applications	20		20	6
BIO3199	Biological Research Project	40	30	10	6

(b) All candidates shall take 60 credits of optional modules from the following list, with a maximum of 30 credits in Semester 1:

<i>Code</i>	<i>Descriptive title</i>	<i>Total Credits</i>	<i>Credits Sem 1</i>	<i>Credits Sem 2</i>	<i>Level</i>
BIO3053	Current Research in Plant and Microbial Biology	20	20		6
BIO3049*	Biological Modelling	20		20	6
BIO3051	Microbial Genomics	20		20	6
BIO3052	Global Challenges in Plant Science Research	20		20	6
SUG3500	Creativity, Innovation and Market Research in Science and Engineering	10	10		6

*Selection of BIO3049 requires approval from the Degree Programme Director.

With the approval of the Degree Programme Director, alternative optional modules to those listed above may be selected.

To progress to Stage 4 of this degree programme, candidates are required to obtain an average over all modules taken at Stage 3 of at least 60 at the first attempt.

5. Year 4 (Placement Year) – 1141U candidates only

On completion of Stage 3 and before entering Stage 4, candidates may as part of their studies for the degree spend a year in a placement with an approved organisation. Permission to undertake a placement is subject to the approval of the Degree Programme Director. Students who are required to re-sit their Stage 3 assessment must delay the start of their placement until they have done so. Students who fail Stage 3 may not complete a placement year.

<i>Code</i>	<i>Descriptive title</i>	<i>Total Credits</i>	<i>Credits Sem 1</i>	<i>Credits Sem 2</i>	<i>Credits Sem 3</i>	<i>Level</i>
NCL3000	Career Service Placement Year Module	120	60	60		6

6. Stage 4 – MBiol Candidates Only

(a) All candidates shall take the following compulsory modules:

<i>Code</i>	<i>Descriptive title</i>	<i>Total Credits</i>	<i>Credits Sem 1</i>	<i>Credits Sem 2</i>	<i>Level</i>	<i>Mode</i>
BIO8197	Research Project	60	20	40	7	

(b) All candidates shall take 60 credits of optional modules selected from the following list:

<i>Code</i>	<i>Descriptive title</i>	<i>Total Credits</i>	<i>Credits Sem 1</i>	<i>Credits Sem 2</i>	<i>Level</i>	<i>Mode</i>
BIO8005	Global challenges: biotech solutions	20		20	7	Block
BIO8044	Biotechnology: Advanced Topics	20	20		7	
BIO8076	Applied Bioinformatics	20		20	7	Block
NES8006*	Data preparation, analysis, interpretation and presentation for MSc	10	10		7	Block
NES8010*	Quantitative Ecological Research Methods	20	20		7	Block
SPG8500	Problem Solving through Innovation PG	10		10	7	Block

Modules with a * should be discussed with the Module Leader first before selection.

Module selection at Stage 4 is subject to timetabling and approval by the Degree Programme Director. Alternative optional modules to those listed above may be selected but only with the approval of the Degree Programme Director.

7. Assessment methods

Details of the assessment pattern for each module are explained in the module outline.

8. Degree classification

i) BSc Candidates:

Candidates will be assessed for degree classification on the basis of all the modules taken at Stages 2 and 3 with the weighting of the stages being 1:3 for Stage 2 and Stage 3 respectively.

ii) MBIol Candidates:

Candidates will be assessed for degree classification on the basis of all the modules taken at Stages 2, 3 and 4 with the weighting of the stages being 1:2:3 for Stages 2, 3 and 4 respectively.