Course Information Form

This Course Information Form provides the definitive record of the designated course

Section A: General Course Information

Course Title	MSc Biotechnology
Final Award	MSc
Route Code	

Professional, Statutory or Regulatory Body (PSRB) accreditation or endorsement	
HECoS code(s)	100134
UCAS Course Code	N/A

Course Aims	This course will equip you with an understanding of how microbes are used on an industrial scale. An advanced understanding of both molecular and computational biology, together with knowledge of microbiological techniques at the forefront of technology will equip you for a future in biotechnology or allied industries. The aim of the course is to provide you with an understanding of how microbes can be used to benefit humankind. New technologies in molecular biology, microbiology and computational biology will be taught and it will be shown how these methodologies are applied in biotechnology industries and the underlying biochemistry explained at an advanced level. A laboratory based project will be offered in one of the five taught themes – (i) molecular biology, (ii) computational biology, (iii) applied microbiology, (iv) analytical biology and (v) Biomaterials, to provide our graduates with the laboratory skills required for subsequent employment in biotech/pharmaceutical industries or academia. The course is designed for either full-time or part-time attendance. Typically, part time students will take two units in years 1 and 2 and then perform the research project in the third year. The laboratory research project can be based with the current employer if ratified by the course organiser.

Learning support	Students are actively supported through their assessments both directly in subject specific areas by tutors, and by working with the Study Hub to provide targeted workshops to support academic skills development. The focal areas include an introduction to academic integrity, developing good academic practice, scientific writing, use of statistics, and communication of science to

Admissions Criteria	**Approved Variations and Additions to Standard Admission** NA https://www.beds.ac.uk/about-us/our-university/academic-information **Note: Be aware that our regulations change every year**
Assessment Regulations	

Section B: Course Structure

The Units which make up the course are listed below. Each unit contributes to the achievement of the course learning outcomes either through teaching (T), general development of skills and knowledge (D) or in your assessments (A).

Unit	Unit Name	Level	Credits	Core or Option	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
BHS000-6	Biotechnology Research Project	7	60	Core					DA1	DA 2	DA 1	DA 1							
BHS012-6	Molecular Biology	7	30	Core	TA 1	TA2			TA2			TA 1							
BHS013-6	Analytical methods	7	30	Core		TA1		TA2	TA2	TA 1									
BHS014-6	Applied Microbiology	7	30	Core		TA2		TA1	TA2	TA 1									
BHS042-6	Biomaterials	7	15	Core		TA1		TA2											
BHS043-6	Computational and Systems Biology	7	15	Core			TA1			TA 1	TA 2	TA 2							

Section C: Assessment Plan

The course is assessed as follows: **The course is assessed as follows:**

MSYBTAAF (12 months - Oct start) *MSXBTAAF (15 months - Feb start)- MSc Biotechnology

Unit Code	Level	Period	Core/Option	Ass 1 Type code	Ass 1 Submit wk	Ass 2 Type code	Ass 2 Submit wk	Ass 3 Type code	Ass 3 Submit wk	Ass 4 Type code	Ass 4 Submit wk
BHS012-6	7	SEM 1 AY1/* AY2	Core	PRO	7	IT-PT	11				

EX	Exam (Invigilated)
IT-PT	Summative in-class test or phase test
PJ-PRO	Coursework - Project Report
PR-LAB	Practical - Laboratory Based
PR-OR	Practical - Oral Presentation
WR-PO	Coursework - Poster

Administrative Information

Faculty	Creative Arts Technologies and Science
School	School of Life Sciences
Head of School/Department	Prof S Sreenivasaprasad
Course Coordinator	Guy Grant