

Course Information Form

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

Section A: General Course Information

Course Title	BSc (Hons) Biochemistry
Final Award	BSc (Hons)
Route Code	BSBICAAF, BSBCPAAF, BSBCFAAF, BSBCHAAF
Intermediate Qualification(s)	
FHEQ Level	6
Location of Delivery	University Square Campus, Luton
Mode(s) and length of study	September start for home students (3 years full time, 4 years for placement or Foundation Year routes, typically 6 years part time) September, and Level 4 February entry for International students (3 years full time). Level 4 entry in February is available to international students only, who study Level 4 through February and the Summer semester, joining Level 5 in September.
Standard intake points (months)	September (UK and International) and February (February for International Students only)
External Reference Points as applicable including Subject Benchmark	QAA's Subject benchmark statement for Biosciences (2019) FHEQ (2014) SEEC Credit Level Descriptors (2016)
Professional, Statutory or Regulatory Body (PSRB) accreditation or endorsement	N/A

HECoS code(s)	100344
UCAS Course Code	C700

Course Aims	<p>Provide a broad educational training in biochemistry specifically targeted towards employability within the pharmaceutical and biotechnology industries, or for employment or further education within academic research. Our approach within this degree programme is to ensure that the training is contextualised so that our students learn about biochemical processes not as abstract pathways, but as processes that are relevant to industry and to a broad range of graduate career paths. Embedded within this academic programme throughout all three years is a strong development of laboratory practical skills, and an awareness of their application, as well as development of core transferable and general subject skills expected by employers.</p> <p>The BSc (Hons) Biochemistry course is delivered by highly experienced and research active staff from a range of bioscience backgrounds. The School of Life Sciences, within which this course is based, has grown in staff and student numbers. We have newly refurbished laboratories within our new STEM building which opened in September 2019 for the provision of our practical training. Students joining the BSc (Hons) Biochemistry course will benefit from close interaction with students on our related courses of Biomedical Science, Biological Science Pharmaceutical and Health Science, Pharmaceutical and Chemical Science, Food and Nutrition Science and Forensic Science. We also offer MSc courses including Pharmacology, Biotechnology and Biomedical Engineering, providing clear progression routes for BSc (Hons) Biochemistry graduates interested in further related education.</p> <p>Educational Aims BSc (Hons) Biochemistry provides you with a broad education in biochemistry and its application to pharmacology and biotechnology, and with a strong emphasis on practical skills. The course is divided into four key themes (Fundamental skills in biochemistry; Molecular structure and function; Physiology and disease; and Industrial applications of biochemistry) which develop over the three years of the course.</p>
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Course Learning Outcomes	Upon successful completion of your course you should meet the appropriate learning outcomes for your award shown in the table below		
	Outcome	Award	
	1	Demonstrate acquired knowledge in a range of biochemistry related subjects relevant to this course	BSc (Hons) Biochemistry (all routes)
	2	Perform a range of practical biochemical techniques, and be able to record data accurately and carry out basic manipulation of the data, including the use of statistical techniques where appropriate.	BSc (Hons) Biochemistry (all routes)
	3	Produce formal scientific reports, following specified conventions of structure and referencing, that present and interpret data meaningfully, and places the work within the broader scientific context.	BSc (Hons) Biochemistry (all routes)
	4	Demonstrate understanding of the principles of biochemistry and its application to industry, including the ability to apply that understanding in a novel context.	BSc (Hons) Biochemistry (all routes)
	5	Show awareness of relevant ethical, legal and/or health and safety implications of advances in the biosciences, and an understanding of the limits of our current knowledge of physiology, disease mechanisms and treatment, and biotechnologies.	BSc (Hons) Biochemistry (all routes)
	6	Independently identify and review, with a degree of critical judgement, biological information and data regarding the biochemical processes of cells and organisms and their application to the pharmaceutical or biotechnology industries from a variety of sources in order to support their conclusions.	BSc (Hons) Biochemistry (all routes)
	7	Undertake a biochemistry-related research project, with appropriate guidance, transforming abstract data and concepts into a clear hypothesis that can be tested experimentally and reported in the form of a dissertation.	BSc (Hons) Biochemistry (all routes)
8	Demonstrate knowledge and analytical understanding of professional practice by successfully completing an approved period of approved work place practice.	BSc (Hons) Biochemistry with Professional Practice Year	
	The course is delivered through a combination of scheduled, guided and independent learning by a Blended Learning approach in line with other courses in this field.		

**Teaching, learning and
assessment strategies**

Scheduled teaching combines lectures to deliver new ideas and subject material; seminars that typically involve student-led

Admissions Criteria

Approved Variations and Additions to Standard Admission

BHS060-3	Clinical Biochemistry	6	15	Core	A1	A1 A1 A2 A2
BHS064-3	Biology of Disease	6	15	Core	A1 A2	A1 A1 A2 A2
BHS068-3	Cellular Biology	6	15	Core	A1 A2	A1 A2

Unit	Unit Name	Level
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Section C: Assessment Plan

The course is assessed as follows :

BSBICAAF- BSc (Hons) Biochemistry

BHS031-2	5	SEM2	Core	PR-OR	9	EX	13				
BHS051-2	5	SEM2	Core	WR-LAB	6	EX	13				
BHS054-3	6	SEM 1	Core	CW-PO	11						
BHS060-3	6	SEM 1	Core	WR-PO	9	EX	13				
BHS064-3	6	SEM 1	Core	IT-PT	7	EX-CS	13				
BHS027-3	6	SEM2	Core	PR-OR	12						
BHS044-3	6	SEM2	Core	WR-LAB	9	EX	13				
BHS068-3	6	SEM2	Core	EX	13						
BHS019-3	6	TY	Core	PJ-PRO	23	PJ-ART	23				

BSBCPAAF - BSc (Hons) Biochemistry with Professional practice year

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
BHS020-2	5	TY	Core	CW-PO	26						

Glossary of Terms for Assessment Type Codes

CW-DE	Coursework - Data Exercise
CW-ESS	Coursework - Essay
CW-PO	Coursework - Portfolio
EX	Exam (Invigilated)
EX-CB	Computer-based Invigilated Examination
EX-CS	Case Study Invigilated Examination
IT-PT	Summative in-class test or phase test
PJ-ART	Coursework - Artefact
PJ-PRO	Coursework - Project Report

PR-OR	Practical - Oral Presentation
WR-LAB	Coursework - Laboratory Report
WR-PO	Coursework - Poster

Administrative Information