

APPROVED



Institiúid Teicneolaíochta Chorcaí
Cork Institute of Technology

Awards					
BSc (Hons)					
Programme Code:	CR_SHERB_8	Mode of Delivery:	Full Time	No. of Semesters:	8
NFQ Level:	8				
Embedded Award:	No	Programme Credits:	240		
programmeReviewDate:	March 2022				
Department:	BIOLOGICAL SCIENCES - CORK				

Programme Outcomes

Upon successful completion of this programme the graduate will be able to demonstrate... :

PO1	Knowledge - Breadth
(a)	A comprehensive knowledge of the theory, concepts and methods related to herbal science with particular relevance to the areas of production, manufacturing and clinical practice.
PO2	Knowledge - Kind
(a)	The ability to acquire and evaluate current theory in the field of herbal science through research, critical thinking and problem solving
PO3	Skill - Range
(a)	The ability to conduct specialised research in the field of herbal science and present a clear conclusion in written and oral forms.
PO4	Skill - Selectivity
(a)	The ability to manage, evaluate complex biological problems and to exercise appropriate judgement in such situations.
PO5	Competence - Context
(a)	The ability to use advanced research, analytical and problem solving skills in a professional and accountable manner in a wide range of contexts within the area of herbal science.
PO6	Competence - Role
(a)	The ability to work ethically and professionally as an individual or as a member of a multidisciplinary team with the capacity for leadership and innovation.
PO7	Competence - Learning to Learn
(a)	The ability to evaluate, articulate and defend learning needs at the professional and personal levels in the workplace.
PO8	Competence - Insight
(a)	The ability to evaluate, articulate and defend the need for high ethical standards in professional practice.

Semester Schedules

Stage 1 / Semester 1

Mandatory	
Module Code	Module Title
CMOD6001	Creativity Innovation&Teamwork
CHEM6011	Biological Chemistry 1
BOTA6001	Botany
BIOL6003	Laboratory Operations
PHOL6006	Human Anatomy and Physiology
MATH6056	Maths for Biological Sciences

Stage 1 / Semester 2

Mandatory	
Module Code	Module Title
CHEM6009	Biological Chemistry 2
BIOL6011	Greenhouse Technology
PHOL6005	Anatomy/Physiology of the Cell
BIOM6001	Microbes, Enzymes & Energy
PHYS6044	Heat and Light

Elective	
Module Code	Module Title
FOOD6001	Science of Food and Health
BIOT6010	BioComputing
STAT6013	Biostatistics and Probability
FREE6001	Free Choice Module

Stage 2 / Semester 1

Mandatory	
Module Code	Module Title
BIOL6024	Structural Biochemistry
BIOL7021	Principles of Nutrition
BIOL7016	Natural Products
AGRI7004	Plant Propagation
BIOT6002	Immunoanalysis
Elective	
Module Code	Module Title
BIOM6006	Microbial Diversity
CHEM6010	Biological Chemistry 3
FREE6001	Free Choice Module

Stage 2 / Semester 2

Mandatory	
Module Code	Module Title
AGRI7005	Organic & Biodynamic Horticult
BIOT7002	Bioanalytical Techniques
BIOL7018	Nutritional Analysis
BIOL6017	Metabolic Biochemistry
BIOT6005	Introduction to Quality System
Elective	
Module Code	Module Title
BIOM6007	Bacteriology
FREE6001	Free Choice Module

Stage 3 / Semester 1

Mandatory	
Module Code	Module Title
BIOL8004	Nutrition & Population Health
BIOL7001	Applied Enzymology
CHEM7002	Food and Healthcare Chemistry
CHEM8005	Pharmacology
BIOT7008	Plant Biotechnology
Elective	
Module Code	Module Title
BIOM7003	Food & Healthcare Microbiology
FREE6001	Free Choice Module

Stage 3 / Semester 2

Mandatory	
Module Code	Module Title
PLAC8001	Herbal Science Placement
BOTA8001	Principles of Ethnobotany
CHEO8002	Pharmacognosy & Phytochemistry
CHEA7002	Chemistry of essential oils
Elective	
Module Code	Module Title
CHEM7003	Food Toxicology
FREE6001	Free Choice Module

Stage 4 / Semester 1

Mandatory	
Module Code	Module Title
BIOT8011	Biosciences Literature Review
FOOD8004	Advanced Food Processing
BIOM8001	Applied Separation Technology
BIOL8005	Product & Process Development
BIOL8003	Evidence based practice
Elective	
Module Code	Module Title
FREE6001	Free Choice Module

Stage 4 / Semester 2

Mandatory	
Module Code	Module Title
INTR8015	Project - Implementation Phase
CHEO8001	Herbal pharmacy
BIOT8016	Functional Foods & Health
MGMT8008	Food Innovation
BIOT8014	Protein Informatics