APPROVED

Institiúid Teicneolaíochta Chorcaí
Cork Institute of Technology

Awards
BSc

Programme Code:	CR_SAGBI_7	**Mode of Delivery:**	Full Time	**No. of Semesters:**	6
NFQ Level:	7				
Embedded Award:	Yes	**Programme Credits:**	180		

programmeReviewDate:	September 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 theories, concepts and methods related to agri-biosciences
PO2	Knowledge - Kind	
	(a)	An ability to link the theoretical knowledge of subject areas related to agri-food production to the practical skills required to test, interpret and critically analyse data.
PO3	Skill - Range	
	(a)	The ability to gather information from a variety of sources, analyse and evaluate evidence and present a clear conclusion in written and oral forms.
PO4	Skill - Selectivity	
	(a)	Evaluate complex problems related to agri-food industries and exercise appropriate judgement in these situations.
PO5	Competence - Context	
	(a)	The ability to use practical and professional skills appropriate to the field of agri-biosciences.
PO6	Competence - Role	
	(a)	The ability to work ethically and autonomously as a member of a team and to supervise staff in a well-defined work setting.
PO7	Competence - Learning to Learn	
	(a)	The ability to identify and address learning needs at the professional and personal levels in the workplace.
PO8	Competence - Insight	
	(a)	The ability to analyse the context in which agri-food industries operate, and defend the need for high standards in professional practice

Semester Schedules

Stage 1 / Semester 1

Mandatory	
Module Code	**Module Title**
CMOD6001	Creativity Innovation&Teamwork
PHOL6007	Animal & Plant Physiology
BIOL6003	Laboratory Operations
MATH6056	Maths for Biological Sciences
CHEM6011	Biological Chemistry 1
BIOL6007	Biomolecules and Cells

Stage 1 / Semester 2

Mandatory	
Module Code	**Module Title**
BIOM6001	Microbes, Enzymes & Energy
AGRI6025	Agri-Food Production
CHEM6009	Biological Chemistry 2
STAT6013	Biostatistics and Probability
PHYS6044	Heat and Light

Elective	
Module Code	**Module Title**
BIOT6001	Introduction to Biotechnology
FREE6001	Free Choice Module

Stage 2 / Semester 1

Mandatory	
Module Code	**Module Title**
BIOT6008	Environmental Biotechnology
BIOM6006	Microbial Diversity
BIOL6024	Structural Biochemistry
BIOT6002	Immunoanalysis
AGRI6021	Soil Science

Elective	
Module Code	**Module Title**
FREE6001	Free Choice Module
BIOT6012	Mammalian Biotechnology

Stage 2 / Semester 2

Mandatory	
Module Code	**Module Title**
BIOL6017	Metabolic Biochemistry
BIOT6005	Introduction to Quality System
BIOT6013	Agri-Biotechnology
BIOM6007	Bacteriology
BIOT7002	Bioanalytical Techniques

Elective	
Module Code	**Module Title**
BIOT6011	Computational Biology
FREE6001	Free Choice Module

Stage 3 / Semester 1

Mandatory	
Module Code	**Module Title**
FOOD7006	Food Analytics
BIOL7030	Animal Nutrition
GENE7002	Molecular Biology
BIOT7015	Crop Biotechnology
FOOD7005	Food Quality Management

Elective	
Module Code	**Module Title**
BIOM7009	Microbial Ecosystems
FREE6001	Free Choice Module

Stage 3 / Semester 2

Mandatory	
Module Code	**Module Title**
PLAC7019	Agri-Biosciences Placement