



APPROVED

Awards			
Bachelor of Science (Honours)			
Programme Code:	BN_SHTSC_B	Mode of Delivery:	Full Time
		No. of Semesters:	2
NFQ Level:	8		
Institute Code:	TU884		
Department:	Horticulture		
Programme Extra Information:	(Pre TU Dublin Code - BN406)		

Programme Outcomes

On successful completion of this programme the learner will be able to :

PO1	Knowledge - Breadth	
	(a)	Learners will acquire a sophisticated understanding of the range of concepts that underpin both the science of horticulture and the practical technologies and skills that underpin its applications in the real world. This will include a detailed knowledge of the fields of scientific knowledge underpinning horticulture, including the biological, chemical and physical sciences and will also include a thorough knowledge of experimental design and the mathematical and statistical concepts underpinning this subject. Learners will gain a comprehensive knowledge of the range of plants in cultivation and the specific factors of soil and climate that is required for their propagation and culture.
PO2	Knowledge - Kind	
	(a)	On successful completion of the programme the graduate will demonstrate a depth of comprehension of current scientific knowledge and professional best practice in the specialised areas studied on the course. They will be made aware of the boundaries of their existing knowledge and the need to continuously improve their knowledge, skill and competence in order to be at the forefront of Horticulture as an area of study.
PO3	Skill - Range	
	(a)	Learners will acquire the skills to critically evaluate scientific or technical problems arising from sectoral client briefs (meant in the broadest sense) and, where needed, to design and implement solutions to these problems. They will be able to draw up a plan for the development of such products as gardens, parks and other urban amenities, golf courses and civic amenity schemes, and anticipate the individual and organisational steps that must be taken implementing it.
PO4	Skill - Selectivity	
	(a)	Learners will be able to critically analyse client design requirements, technical specifications and limitations, environmental considerations and the consequential impact on proposed projects.
PO5	Competence - Context	
	(a)	Graduates will be able to apply course concepts and frameworks in designing and enacting scientific and technical research activities, and be able to collate, analyse and present findings in a form to facilitate reflective evaluation, and decision-making.
PO6	Competence - Role	
	(a)	Graduates who have successfully completed the Bachelor of Science (Honours) in Horticulture will have the competency to accept accountability for determining and achieving outcomes for themselves and for groups in which they are members. They will demonstrate the capacity to take significant responsibility and supervision for the work of others in specialised areas of work or study.
PO7	Competence - Learning to Learn	
	(a)	Graduates will learn to act in variable and unfamiliar learning contexts; learn to manage learning tasks independently, professionally and ethically
PO8	Competence - Insight	
	(a)	Graduates of the programme will demonstrate a range of interpersonal skills, and adaptive capabilities thus enabling them to thrive in the fluidity and dynamism of the modern, evolving, horticulture sector. They will also exhibit self-awareness, and an openness and sensitivity to diversity in terms of people, cultures, and management issues.

Semester Schedules

Stage 1 / Semester 1

Mandatory	
Module Code	Module Title
HTSC H4011	Final Year Project (Part 1)

Elective	
Module Code	Module Title
HTSC H4019	Plant Treatment Regulation
HTSC H4030	Social & Therapeutic Horticulture
HTSC H4031	Automation in Horticulture
HTSC H4034	Post-Harvest Technology
HTSC H4037	Health, Recreation & Green Infrastructure
HTSC H4038	Sports Surface Management

Stage 1 / Semester 2

Mandatory	
Module Code	Module Title
HTSC H4021	Final Year Project (Part 2)

Elective	
Module Code	Module Title
HTSC H4017	Golf Course Design & Managemnt
HTSC H4023	Entrepreneurship & Ent Develop
HTSC H4027	Environmental Management
HTSC H4029	Historical & Contemporary Parks and Gardens
HTSC H4035	Culinary & Medicinal Plants
HTSC H4036	Food Product Development 2