GHENT UNIVERSITY

Study Programme

Academic year 2024-2025

Faculty of Bioscience Engineering

Linking Course Master of Science in Bioscience Engineering Technology: Agriculture and Horticulture -- Horticulture

Language of instruction: Dutch

Programme version 9

1 General Courses — 54 credits

Nr	Course		CRDT	Ref	MT1	Session	Study
1	I700266	Calculus I *Jan Baetens -- Department of Data Analysis and Mathematical Modelling*	6		1	A:1	180
2	I700197	Programming I *Jan Verwaeren -- Department of Data Analysis and Mathematical Modelling*	4		1	A:1	120
3	I700269	Applied Fluid Mechanics *Niko Verhoest -- Department of Environment*	5		1	A:1	150
4	I700209	Electricity and Magnetism *Toon Verstraelen -- Department of Physics and Astronomy*	4		1	A:1	120
5	I700035	Plant Tissue Culture *Stefaan Werbrouck -- Department of Plants and Crops*	4		1	A:1	120
6	I700267	Linear Algebra and Calculus II *Jan Baetens -- Department of Data Analysis and Mathematical Modelling*	5		1	A:2	150
7	I700204	Thermodynamics *Frederik Ronsse -- Department of Green Chemistry and Technology*	4		1	A:2	120
8	I700206	Organic Chemistry *Sven Mangelinckx -- Department of Green Chemistry and Technology*	5		1	A:2	150
9	I700207	Biochemistry *Jessika De Clippeleer -- Department of Biotechnology*	5		1	A:2	150
10	I700272	Probability Theory and Statistics *Stijn Luca -- Department of Data Analysis and Mathematical Modelling*	6		1	A:2	180
11	I700268	Optics and Sensors *Philippe Smet -- Department of Solid State Sciences*	3		1	A:2	90
12	I700174	Applied Plant Breeding *Steven Maenhout -- Department of Plants and Crops*	3		1	A:2	90

2 General Courses — 14 credits

This module doesn't need to be followed when the student passes the qualification test and can follow the reduced track.
The qualification test is only possible for students with one of the following previous degrees:
• Bachelor in de agro- en biotechnologie, afstudeerrichtingen groenmanagement of tuinbouw

Nr	Course		CRDT	Ref	MT1	Session	Study
1	I700219	Process Technology I *Mia Eeckhout -- Department of Food Technology, Safety and Health*	5		1	A:1	150
2	I700212	Plant Physiology *Kris Audenaert -- Department of Plants and Crops*	5		1	A:1	150
3	I700121	Controlled Greenhouse Systems *Emmy Dhooghe -- Department of Plants and Crops*	4		1	A:2	120

3 General Courses

Subscribe to 1 from the following list. Subject to approval by the faculty.

3.1 Instroom agro- en biotechnologie, groenmanagement en tuinbouw — 9 credits

Nr	Course		CRDT	Ref	MT1	Session	Study

1	I700237	Pomology *Filip Debersaques -- Department of Plants and Crops*	5		A:1	150
2	I700239	Glasshouse Vegetable Production *Emmy Dhooghe -- Department of Plants and Crops*	4	1	A:2	120

3.2 Andere instroom

Subscribe to no more than 23 credit units from the Bachelor of Science in Bioscience Engineering Technology. Subject to approval by the faculty.
Selection of courses dependent on preliminary training of the student.

Teaching

When a course is not taught (solely) in the programme's language of instruction, the effectively used languages are indicated in square brackets following the cours name, using the following ISO codes:

bg: Bulgarian	de: German	es: Spanish	ja: Japanese	pl: Polish	sh: Kroatian/Serbian	zh: Chinese
cs: Czech	el: Greek	fr: French	nl: Dutch	pt: Portuguese	sl: Slovene	
da: Danish	en: English	it: Italian	no: Norwegian	ru: Russian	sv: Swedish	

Semester

Semesters are indicated by their number (1 or 2); semester 3 represents the summer period and J indicates a course spanning semesters 1 and 2.
When a capital letter precedes a semester number, the course has multiple offerings. The letter indicates the offering concerned.
When a semester is shown in brackets, the course in not offered this year in the specific offering.
The offering frequency and first year of offering are indicated by the following codes:

a: bi-annually	c: annually, from 2025-2026	f: annually, from 2026-2027	i: annually, from 2027-2028
b: tri-annually	d: bi-annually, from 2025-2026	g: bi-annually, from 2026-2027	j: bi-annually, from 2027-2028
	e: tri-annually, from 2025-2026	h: tri-annually, from 2026-2027	k: tri-annually, from 2027-2028