Study Programme

Academic year 2024-2025

Faculty of Bioscience Engineering

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

Language of instruction: Dutch

Programme version 9

1 General Courses						56 credits
Nr	Course	CRDT	Ref	MT1	Session	Study
1	I700266 Calculus I	6		1	A:1	180
	Jan Baetens -- Department of Data Analysis and Mathematical Modelling					
2	I700197 Programming I	4		1	A:1	120
	Jan Verwaeren -- Department of Data Analysis and Mathematical Modelling					
3	I700269 Applied Fluid Mechanics	5		1	A:1	150
	Niko Verhoest -- Department of Environment					
4	I700209 Electricity and Magnetism	4		1	A:1	120
	Toon Verstraelen -- Department of Physics and Astronomy					
5	I700267 Linear Algebra and Calculus II	5		1	A:2	150
	Jan Baetens -- Department of Data Analysis and Mathematical Modelling					
6	I700204 Thermodynamics	4		1	A:2	120
	Frederik Ronsse -- Department of Green Chemistry and Technology					
7	I700206 Organic Chemistry	5		1	A:2	150
	Sven Mangelinckx -- Department of Green Chemistry and Technology					
8	I700207 Biochemistry	5		1	A:2	150
	Jessika De Clippeleer -- Department of Biotechnology					
9	I700272 Probability Theory and Statistics	6		1	A:2	180
	Stijn Luca -- Department of Data Analysis and Mathematical Modelling					
10	I700268 Optics and Sensors	3		1	A:2	90
	Philippe Smet -- Department of Solid State Sciences					
11	I700020 Crop Protection	6		1	A:2	180
	Kris Audenaert -- Department of Plants and Crops					
12	I700174 Applied Plant Breeding	3		1	A:2	90
	Steven Maenhout -- Department of Plants and Crops					

2 General Courses						15 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 landbouw, groenmanagement, agro-industrie, dierenzorg

Nr	Course	CRDT	Ref	MT1	Session	Study
1	I700219 Process Technology I	5		1	A:1	150
	Mia Eeckhout -- Department of Food Technology, Safety and Health					
2	I700212 Plant Physiology	5		1	A:1	150
	Kris Audenaert -- Department of Plants and Crops					
3	I700236 Digestive Physiology of Animals	5		1	A:1	150
	Veerle Fievez -- Department of Animal Sciences and Aquatic Ecology					

3 General Courses

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

3.1 Instroom agro- en biotechnologie, landbouw/agro-industrie/groenmanagement   4 credits

Nr	Course		CRDT	Ref	MT1	Session	Study
1	I700042	Reproductive Physiology of Animals	4		1	A:2	120
		Thomas Van Hecke -- Department of Animal Sciences and Aquatic Ecology					

3.2 Instroom agro- en biotechnologie, dierenzorg   4 credits

Nr	Course		CRDT	Ref	MT1	Session	Study
1	I700018	Plant Production and Ecophysiology	4		1	A:2	120
		Steven Maenhout -- Department of Plants and Crops					

3.3 Andere instroom

Subscribe to no more than 20 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