



Faculty of Bioscience Engineering

Master of Science in Bioscience Engineering: Agricultural Sciences

Language of instruction: Dutch

Programme version 14

1 General Courses 62 credits

Nr	Course		CRDT	Ref	MT1	Session	Study
1	I003082	Animal Physiology <i>Veerle Fievez -- Department of Animal Sciences and Aquatic Ecology</i>	4		1	A:1	120
2	I002645	Identification and Diagnosis of Plant Diseases, Pests and Weeds <i>Benny De Cauwer -- Department of Plants and Crops</i>	6		1	B:1	180
3	I002647	Plant Husbandry <i>Benny De Cauwer -- Department of Plants and Crops</i>	5		1	A:1	150
4	I002649	Gene Technology and Plant Biotechnology <i>Laurens Pauwels -- Department of Biotechnology</i>	5		1	A:1	150
5	I002651	Monitoring Systems in Agriculture <i>Wouter Maes -- Department of Plants and Crops</i>	5		1	A:1	150
6	I002643	Agricultural Constructions <i>Jan Pieters -- Department of Plants and Crops</i>	5		1	A:2	150
7	I002646	Nutrient Management [en] <i>Stefaan De Neve -- Department of Environment</i>	5		1	A:2	150
8	I001280	Experimental Design [en] <i>Stijn Luca -- Department of Data Analysis and Mathematical Modelling</i>	3		1	A:2	75
9	I003056	Human Nutrition and Health [en] <i>John Van Camp -- Department of Food Technology, Safety and Health</i>	4		2	B:1	120
10	I002650	Agricultural and Rural Policy, EU Perspective [en] <i>Jeroen Buysse -- Department of Agricultural Economics</i>	5		2	A:1	150
11	I003081	Quality Management and Risk Analysis <i>Liesbeth Jacksens -- Department of Food Technology, Safety and Health</i>	5		2	A:2	150
12	I003083	Animal Nutrition <i>Veerle Fievez -- Department of Animal Sciences and Aquatic Ecology</i>	5		2	A:2	150
13	I003084	Integrated Project Agricultural Sciences <i>Stefaan De Smet -- Department of Animal Sciences and Aquatic Ecology</i>	5		2	A:J	150

2 Elective Courses 28 credits

Subscribe to 28 credit units from no less than 1 and no more than 3 module(s) from the following list. Subject to approval by the faculty.

2.1 Master Specific Courses

Subscribe to no more than 28 credit units from the following list.

Study fields (see reference):

- G = Crop Protection
- P = Plant Production
- D = Animal Production
- E = Agricultural Economics

Nr	Course		CRDT	Ref	MT1	Session	Study
1	I002733	Agronematology <i>Wim Wesemael -- Department of Plants and Crops</i>	5	G		A:1 ^a	150
2	I002734	Crop Protection Chemistry <i>Pieter Spanoghe -- Department of Plants and Crops</i>	5	G		A:2	150
3	I002735	Biological Control of Crop Pests and Diseases [en] <i>Patrick De Clercq -- Department of Plants and Crops</i>	5	G		A:1	150

4	I002736	Applied Entomology <i>Patrick De Clercq -- Department of Plants and Crops</i>	5	G	A:2	150
5	I002737	Weed Science <i>Benny De Cauwer -- Department of Plants and Crops</i>	5	P, G	A:1	150
6	I002738	Plant Breeding [en] <i>Steven Maenhout -- Department of Plants and Crops</i>	5	P, G	A:1	150
7	I002739	Precision Agriculture [en]	5	P, G	(A:2) ^d	150
8	I003096	Ecofysiology <i>Kathy Steppe -- Department of Plants and Crops</i>	5	P	A:1	150
9	I002741	Plant Production	4	P	(A:J) ^d	120
10	I002731	Tropical Crop Production [en] <i>Eduardo de la Pena -- Department of Plants and Crops</i>	4	P	A:2	120
11	I002992	Soil Biology [en] <i>Stefaan De Neve -- Department of Environment</i>	4	P	A:1	120
12	I003066	Agroecology [en] <i>Eduardo de la Pena -- Department of Plants and Crops</i>	5	G,P	A:1	150
13	I002724	Technology of Animal Products <i>Frank Devlieghere -- Department of Food Technology, Safety and Health</i>	5	D	A:2	150
14	I002758	Food Marketing and Consumer Behaviour [en] <i>Wim Verbeke -- Department of Agricultural Economics</i>	5	E	A:1	150
15	I002718	Economics and Management of Natural Resources [en] <i>Stijn Speelman -- Department of Agricultural Economics</i>	4	E	A:2	120
16	I002747	Sociological Perspectives on Rural Development [en] <i>Joost Dessein -- Department of Agricultural Economics</i>	5	E	A:1	150
17	I002917	Project Design in Agri-food Systems [en] <i>Hans De Steur -- Department of Agricultural Economics</i>	5	E	A:2	150
18	I003064	Planning for Multifunctional Landscapes <i>Kris Verheyen -- Department of Environment</i>	5		A:2	150

2.2 Skills and Attitudes

Subscribe to no more than 10 credit units from the following list, with no more than 10 credit units with reference a.

Nr	Course		CRDT	Ref	MT1	Session	Study
1	I002637	Internship [en, nl] <i>Peter Ragaert -- Department of Food Technology, Safety and Health</i>	5	a		A:J	150
2	I002638	International Internship [en, nl] <i>Peter Ragaert -- Department of Food Technology, Safety and Health</i>	5	a		A:J	150
3	I002639	Extended Internship [en, nl] <i>Peter Ragaert -- Department of Food Technology, Safety and Health</i>	10	a		A:J	300
4	I002640	Extended International Internship [en, nl] <i>Peter Ragaert -- Department of Food Technology, Safety and Health</i>	10	a		A:J	300
5	I003067	Bioethics [en] <i>Michiel De Proost -- Department of Philosophy and Moral Sciences</i>	3			A:1	75
6	C002668	Scientific Communication in English [en] <i>Geert Jacobs -- Department of Linguistics</i>	5			A:2	150
7	I001784	Seminar <i>Mieke Uyttendaele -- Department of Food Technology, Safety and Health</i>	3				75

2.3 Open Choice

Subscribe to course units from courses offered at Ghent University and at the alliance partner VUB, including the [Ghent University Elective Courses](#).

A maximum of 2 such courses is allowed.

Maximum 8 credit units language courses are allowed within this master programme.

Subject to approval by the Faculty.

3 Master's Dissertation

30 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	I001481	Master's Dissertation <i>Stefaan De Smet -- Department of Animal Sciences and Aquatic Ecology</i>	30	2	A:J	900

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 course name, using the following ISO codes:

bg: Bulgarian	de: German	es: Spanish	ja: Japanese	pl: Polish	sh: Croatian/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 is 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 2026-2027	f: annually, from 2027-2028	i: annually, from 2028-2029
b: tri-annually	d: bi-annually, from 2026-2027	g: bi-annually, from 2027-2028	j: bi-annually, from 2028-2029
	e: tri-annually, from 2026-2027	h: tri-annually, from 2027-2028	k: tri-annually, from 2028-2029