



## Faculty of Bioscience Engineering

### Master of Science in Bioscience Engineering: Forest and Nature Management

Language of instruction: Dutch

Programme version 11

1 General Courses						50 credits	
Nr	Course		CRDT	Ref	MT1	Session	Study
1	I002686	Wood Anatomy and Identification of Wood Species <i>Joris Van Acker -- Department of Environment</i>	4		1	A:1	120
2	I002687	Forestry <i>Kris Verheyen -- Department of Environment</i>	4		1	A:J	120
3	I001946	Forest Exploitation <i>Joris Van Acker -- Department of Environment</i>	3		1	A:1	75
4	I002689	Inventory of Forest and Nature <i>Jan Van den Bulcke -- Department of Environment</i>	5		1	A:1	150
5	I002690	Wood Technology: Basic Material Properties <i>Joris Van Acker -- Department of Environment</i>	4		1	A:2	120
6	I002691	Nature Conservation <i>Lander Baeten -- Department of Environment</i>	4		1	A:1	120
7	I002692	Forest and Nature Policy <i>Myriam Dumortier -- Department of Environment</i>	5		2	A:1	150
8	I002693	Forest and Nature Management Planning [en] <i>Jos Van Orshoven -- KU Leuven</i>	5		2	A:2	150
9	I002696	Vegetation Modelling [en] <i>Hans Verbeeck -- Department of Environment</i>	4		1	A:2	120
10	I002697	Urban Green Management <i>Jan Mertens -- Department of Environment</i>	4		1	A:1	120
11	I002694	Integrated Forest Management Practicum <i>Joris Van Acker -- Department of Environment</i>	4			A:2 <sup>a</sup>	120
12	I002695	Integrated Nature Management Practicum <i>Lander Baeten -- Department of Environment</i>	4			(A:2) <sup>d</sup>	120

2 Elective Courses						40 credits
--------------------	--	--	--	--	--	------------

Subscribe to 40 credit units from no less than 3 and no more than 5 module(s) from the following list, of which at least 1 course unit is included from the list 2.3 Entrepreneurship and Management. Subject to approval by the faculty.

Full-time standard learning track:

Students can choose which of the elective course units are taken in the first respectively the second standard learning track year (unless otherwise specified); in combination with the general course units, students take a total of 54 to 66 credits per standard learning track year. The sum of the total number of credits taken up over the 2 standard learning track years must be 120 credits.

#### 2.1 Master Specific Courses

Topics (see reference):

- B = Forest
- H = Wood

Nr	Course		CRDT	Ref	MT1	Session	Study
1	I002703	Forest Protection <i>Luc Tirry -- Department of Plants and Crops</i>	4	B		A:1	120
2	I002704	Forest Management for Ecosystem Services <i>Kris Verheyen -- Department of Environment</i>	5	B		(A:2) <sup>d</sup>	150

3	I002705	Tropical Forestry [en] <i>Joris Van Acker -- Department of Environment</i>	5	B	A:2	150
4	I002706	Wood Technology: Wood Processing and Forest Products [en] <i>Joris Van Acker -- Department of Environment</i>	5	H	A:2	150

## 2.2 Elective Courses from Related Fields of Study

Topics (see references):

- BD = Soil
- W = Water
- LB = Agriculture
- K = Climate
- LS = Landscape
- DZ = Sustainability
- D = Data

Nr	Course		CRDT	Ref	MT1	Session	Study
1	I002646	Nutrient Management [en] <i>Stefaan De Neve -- Department of Environment</i>	3	BD		B:2	90
2	I002664	Soil Erosion Control: Principles and Practice [en] <i>Ann Verdoort -- Department of Environment</i>	4	BD		A:1	120
3	I002699	Land Evaluation [en] <i>Ann Verdoort -- Department of Environment</i>	5	BD		A:2	150
4	I002453	Biogeochemical Cycles <i>Steven Sleutel -- Department of Environment</i>	5	BD		A:2	150
5	I002713	Applied Soil Biology [en] <i>Stefaan De Neve -- Department of Environment</i>	4	BD		A:1	120
6	I002504	Applied Freshwater Ecology [en] <i>Peter Goethals -- Department of Animal Sciences and Aquatic Ecology</i>	3	W		A:1	90
7	I002698	Water Quality Management [en] <i>Peter Goethals -- Department of Animal Sciences and Aquatic Ecology</i>	4	W		A:2	120
8	I002710	Water in the City <i>Katrien Van Eerdenbrugh -- Department of Environment</i>	4	W		A:1	120
9	I700070	Hardy Nursery Stock Production <i>Filip Debersaques -- Department of Plants and Crops</i>	4	LB		A:1	120
10	I002731	Tropical Crop Production [en] <i>Eduardo De la Pena -- Department of Plants and Crops</i>	4	LB		A:2	120
11	I002732	Organic Farming <i>Dirk Reheul -- Department of Plants and Crops</i>	4	LB		A:1	120
12	I002515	Crop Husbandry <i>Dirk Reheul -- Department of Plants and Crops</i>	5	LB		A:1	150
13	I002655	Meteorology and Ecoclimatology <i>Hans Verbeeck -- Department of Environment</i>	5	K		A:1	150
14	I002656	Climate Change Processes [en, nl] <i>Diego Miralles -- Department of Environment</i>	5	K		A:2	150
15	C003145	Landscape Management and Design <i>Veerle Van Eetvelde -- Department of Geography</i>	5	LS			150
16	C004177	Spatiotemporal Analysis and Modelling [en] <i>Nico Van de Weghe -- Department of Geography</i>	5	LS		A:1	150
17	K001339	Sustainability Thinking <i>Thomas Block -- Department of Political Sciences</i>	5	DZ / UKV		A:J	150
18	K001298	Sustainable Development [en] <i>Bernard Mazijn -- Department of Conflict and Development Studies</i>	5	DZ		A:2	150
19	E084580	Sustainable Cities <i>Thomas Block -- Department of Political Sciences</i>	5	DZ		A:J	150
20	I001280	Experimental Design [en] <i>Stijn Luca -- Department of Data Analysis and Mathematical Modelling</i>	3	D		A:2	75
21	I002091	Predictive Modelling [en] <i>Willem Waegeman -- Department of Data Analysis and Mathematical Modelling</i>	5	D		B:2	150

## 2.3 Entrepreneurship and Management

Subscribe to no more than 8 credit units from the following list.  
Include at least 1 course unit.

Nr	Course		CRDT	Ref	MT1	Session	Study
1	I002718	Economics and Management of Natural Resources [en] <i>Stijn Speelman -- Department of Agricultural Economics</i>	4			A:2	120
2	I001949	Entrepreneurship <i>Petra Andries -- Department of Marketing, Innovation and Organisation</i>	3			A:2	75
3	I002619	Management for Engineers [en, nl] <i>Jeroen Buysse -- Department of Agricultural Economics</i>	4			A:1	120

## 2.4 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>Tom Desmet -- Department of Biotechnology</i>	5	a		A:J	150
2	I002638	International Internship [en, nl] <i>Tom Desmet -- Department of Biotechnology</i>	5	a		A:J	150
3	I002639	Extended Internship [en, nl] <i>Tom Desmet -- Department of Biotechnology</i>	10	a		A:J	300
4	I002640	Extended International Internship [en, nl] <i>Tom Desmet -- Department of Biotechnology</i>	10	a		A:J	300
5	I001944	Bio-ethics [en] <i>Farah Focquaert -- 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 [en, nl] <i>Mieke Uyttendaele -- Department of Food Technology, Safety and Health</i>	3			A:J	75

## 2.5 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	I001483	Master's Dissertation <i>Joris Van Acker -- Department of Environment</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 2022-2023	f: annually, from 2023-2024	i: annually, from 2024-2025
b: tri-annually	d: bi-annually, from 2022-2023	g: bi-annually, from 2023-2024	j: bi-annually, from 2024-2025
	e: tri-annually, from 2022-2023	h: tri-annually, from 2023-2024	k: tri-annually, from 2024-2025