

Faculty of Bioscience Engineering

Master of Science in Bioscience Engineering: Forest and Nature Management

Campus: UGent

Language(s) of instruction: Dutch (Programme sheet as of: 2019)

Programme version 10 Valid as from the academic year 2020-2021 (VOORSTEL)

## IMBONA10.1 General Courses - IMBONAalg

50.0 credits

Nr	Course	CRDT	Ref	MT1	MT2	Session	Contact	Study
1	I002686 Wood Anatomy and Identification of Wood Species [nl] Joris Van Acker -- Department of Environment	4.0		1		A:1	40.0	120
2	I002687 Forestry [nl] Kris Verheyen -- Department of Environment	4.0		1		A:J	40.0	120
3	I001946 Forest Exploitation [nl] Joris Van Acker -- Department of Environment	3.0		1		A:1	30.0	75
4	I002689 Inventory of Forest and Nature [nl] Jan Van den Bulcke -- Department of Environment	5.0		1		A:1	50.0	150
5	I002690 Wood Technology: Basic Material Properties [nl] Joris Van Acker -- Department of Environment	4.0		1		A:2	40.0	120
6	I002691 Nature Conservation [nl] Lander Baeten -- Department of Environment	4.0		1		A:1	40.0	120
7	I002692 Forest and Nature Policy [nl] Myriam Dumortier -- Department of Environment	5.0		2		A:1	50.0	150
8	I002693 Forest and Nature Management Planning [en] Jos Van Orshoven -- KU Leuven	5.0		2		A:2	50.0	150
9	I002696 Vegetation Modelling [en] Hans Verbeeck -- Department of Environment	4.0		1		A:2	40.0	120
10	I002697 Urban Ecology and Management [nl] Jan Mertens -- Department of Environment	4.0		1		A:1	40.0	120
11	I002694 Integrated Forest Management Practicum [nl] Joris Van Acker -- Department of Environment	4.0				A:2(2021)	40.0	120
12	I002695 Integrated Nature Management Practicum [nl] Lander Baeten -- Department of Environment	4.0				A:2	40.0	120

## IMBONA10.2 Elective Courses - IMBONAkeuze

40.0 credits

Subscribe to 40 credit units from no less than 3 and no more than 5 module(s) from the following list. 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.

### IMBONA10.2.1 Master Specific Courses - IMBONAkeuzeeigen

Subscribe to no more than 19 credit units from the following list.

Topics (see reference):

- B = Forest

- H = Wood

Nr	Course	CRDT	Ref	MT1	MT2	Session	Contact	Study
1	I002703 Forest Protection [nl] Luc Tirry -- Department of Plants and Crops	4.0	B			A:1	40.0	120
2	I002704 Forest Management for Ecosystem Services [nl] Kris Verheyen -- Department of Environment	5.0	B			A:2	50.0	150
3	I002705 Tropical Forestry [en] Joris Van Acker -- Department of Environment	5.0	B			A:2	50.0	150
4	I002706 Wood Technology: Wood Processing and Forest Products [en] Joris Van Acker -- Department of Environment	5.0	H			A:2	50.0	150

## IMBONA10.2.2 Elective Courses from Related Fields of Study - IMBONAkeuzeverwant

Subscribe to no more than 20 credit units from the following list.

Topics (see references):

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

Nr	Course	CRDT	Ref	MT1	MT2	Session	Contact	Study
1	I002646 Nutrient Management [en] Stefaan De Neve -- Department of Environment	3.0	BD			B:2	30.0	90
2	I002664 Soil Erosion Control: Principles and Practice [en] Ann Verdoodt -- Department of Environment	4.0	BD			A:1	40.0	120
3	I002699 Land Evaluation [en] Ann Verdoodt -- Department of Environment	5.0	BD			A:2	50.0	150
4	I002453 Biogeochemical Cycles [nl] Steven Sleutel -- Department of Environment	5.0	BD			A:2	50.0	150
5	I002713 Applied Soil Biology [en] Stefaan De Neve -- Department of Environment	4.0	BD			A:1	40.0	120
6	I002504 Applied Freshwater Ecology [en] Peter Goethals -- Department of Animal Sciences and Aquatic Ecology	3.0	W			A:1	30.0	90
7	I002698 Water Quality Management [en] Peter Goethals -- Department of Animal Sciences and Aquatic Ecology	4.0	W			A:2	40.0	120
8	I002710 Water in the City [nl]	4.0	W			A:1(2021)	40.0	120
9	I700070 Hardy Nursery Stock Production [nl] Marie-Christine Van Labeke -- Department of Plants and Crops	4.0	LB			A:1	48.0	120
10	I002731 Tropical Crop Production [en] Patrick Van Damme -- Department of Plants and Crops	4.0	LB			A:2	40.0	120
11	I002732 Organic Farming [nl] Dirk Reheul -- Department of Plants and Crops	4.0	LB			A:1	40.0	120
12	I002515 Crop Husbandry [nl] Dirk Reheul -- Department of Plants and Crops	5.0	LB			A:1	50.0	150
13	I002655 Meteorology and Ecoclimatology [nl] Hans Verbeeck -- Department of Environment	5.0	K			A:1	50.0	150
14	I002656 Climate Change Processes [nl, en] Diego Gonzalez Miralles -- Department of Environment	5.0	K			A:2	50.0	150
15	C003145 Landscape Management and Design [nl] Veerle Van Eetvelde -- Department of Geography	5.0	LS			A:1	52.5	150
16	C004177 Spatiotemporal Analysis and Modelling [en]	5.0	LS			A:1	40.0	150
17	K000253 Sustainable Development [en] Bernard Mazijn -- Department of Conflict and Development Studies	5.0	DZ			A:2	45.0	150
18	K001339 Sustainability Thinking [nl] Thomas Block -- Department of Political Sciences	5.0	DZ			A:J	45.0	150
19	E084580 Sustainable Cities [nl] Michiel Dehaene -- Department of Architecture and Urban Planning	5.0	DZ			A:J	45.0	150
20	I001280 Experimental Design [en] Karel Vermeulen -- Department of Data Analysis and Mathematical Modelling	3.0	D			A:2	30.0	75
21	I002091 Predictive Modelling [en] Willem Waegeman -- Department of Data Analysis and Mathematical Modelling	5.0	D			B:2	50.0	150

## IMBONA10.2.3 Entrepreneurship and Management - IMBONAkeuzeondernemersch.

Subscribe to no more than 8 credit units from the following list.

Include at least 1 course unit.

Nr	Course	CRDT	Ref	MT1	MT2	Session	Contact	Study
1	I002718 Economics and Management of Natural Resources [en] Stijn Speelman -- Department of Agricultural Economics	4.0				A:2	40.0	120
2	I001949 Entrepreneurship [nl] Maikel Pellens -- Department of Marketing, Innovation and Organisation	3.0				A:2	30.0	75
3	I002619 Management for Engineers [nl, en] Jeroen Buysse -- Department of Agricultural Economics	4.0				A:1	40.0	120

## IMBONA10.2.4 Skills and Attitudes - IMBIIR\_VA

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	MT2	Session	Contact	Study
1	I002637 Internship [nl, en] Tom Desmet -- Department of Biotechnology	5.0	a			A:J	30.0	150
2	I002638 International Internship [nl, en] Tom Desmet -- Department of Biotechnology	5.0	a			A:J	30.0	150
3	I002639 Extended Internship [nl, en] Tom Desmet -- Department of Biotechnology	10.0	a			A:J	60.0	300
4	I002640 Extended International Internship [nl, en] Tom Desmet -- Department of Biotechnology	10.0	a			A:J	60.0	300
5	I001944 Bio-ethics [en] Heidi Mertes -- Department of Philosophy and moral sciences	3.0				A:1	30.0	75
6	C002668 Scientific Communication in English [en] Geert Jacobs -- Department of Linguistics	5.0				A:2	45.0	150
7	I001784 Seminar [nl, en] Luc Tirry -- Department of Plants and Crops	3.0				A:J	30.0	75

### IMBONA10.2.5 Open Choice - IHAUGent&VUBkeuze

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.

### IMBONA10.3 Master's Dissertation - IMBONAmasterproef 30.0 credits

Nr	Course	CRDT	Ref	MT1	MT2	Session	Contact	Study
1	I001483 Master's Dissertation [nl]	30.0		2	4	A:J	300.0	900