

Study Programme

Academic year 2024-2025

Faculty of Bioscience Engineering

Linking Course Master of Science in Bioindustrial Sciences: Circular Bioprocesstechnology

Campus: Courtray

Language of instruction: Dutch

Programme version 5

1	General Courses				40 (40 credits	
Nr	Course		CRDT	Ref MT1	Session	Study	
1	l610018	Mathematics I Jan Baetens Department of Data Analysis and Mathematical Modelling	6	1	A:1	180	
2	1620034	Programming Jan Verwaeren Department of Data Analysis and Mathematical Modelling	3	1	A:1	90	
3	E620032	Applied Fluid Mechanics and Thermodynamics Michel De Paepe Department of Electromechanical, Systems and Metal Engineering	6	1	A:1	180	
4	1640043	Sustainability Assessment Steven De Meester Department of Green Chemistry and Technology	3	1	A:1	90	
5	l610019	Mathematics II Jan Baetens Department of Data Analysis and Mathematical Modelling	6	1	A:2	180	
6	E610055	Electronics Sam Lemey Department of Information Technology	3	1	A:2	90	
7	1620033	Thermal Engineering Joël Hogie Department of Green Chemistry and Technology	4	1	A:2	120	
8	1620032	Smart Sensors Sergei Gusev Department of Green Chemistry and Technology	6	1	A:2	180	
9	I630061	Methodology Diederik Rousseau Department of Green Chemistry and Technology	3	1	A:2	90	

2 General Courses

2.1.1

2.1 20 credits

Nr	Course		CRDT	Ref	MT1	Session	Study
1	E610019	Materials Geert De Clercq Department of Materials, Textiles and Chemical Engineering	3		1	A:1	90
2	l610021	Technology for Circular Economy Diederik Rousseau Department of Green Chemistry and Technology	3		1	A:2	90
3	I630051	Biochemical Engineering Katleen Raes Department of Food Technology, Safety and Health	6		1	A:2	180
4	1630067	Sustainable Materials Ann Dumoulin Department of Green Chemistry and Technology	5		1	A:1	150
5	1630062	Portfolio Internationalisation Diederik Rousseau Department of Green Chemistry and Technology	3		1	A:J	90

This module doesn't need to be followed when the student passes the qualification test and can follow the reduced track.

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Nr	Course		CRDT	Ref	MT1	Session	Study		
1	1630045	Chemical Engineering Steven De Meester Department of Green Chemistry and Technology	7		1	A:1	180		
2	1630065	Resource Recovery Stijn Van Hulle Department of Green Chemistry and Technology	6		1	A:2	180		

13 credits

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2.2 21 credits

Nr Course 1 163001 9	Biometrics	CRDT R€	ef MT1 1	Session A:2	Study 90
	Stijn Luca Department of Data Analysis and Mathematical Modelling		ı	A.Z	90
2 1630064	Process Control Sergei Gusev Department of Green Chemistry and Technology	5	1	A:1	150
3 1630051	Biochemical Engineering Katleen Raes Department of Food Technology, Safety and Health	6	1	A:2	180
4 1630068	Sustainable Energy Jos Knockaert Department of Electromechanical, Systems and Metal Engineering	4	1	A:2	120
5 1630062	Portfolio Internationalisation Diederik Rousseau Department of Green Chemistry and Technology	3	1	A:J	90
2.2.1				16	credits
This module of the Course	doesn't need to be followed when the student passes the qualification tes		educed track.	Session	Study
1 1630063	Circular Water Technology Stijn Van Hulle Department of Green Chemistry and Technology	5	1	A:1	150
2 1630065	Resource Recovery Stijn Van Hulle Department of Green Chemistry and Technology	6	1	A:2	180
3 1630067	Sustainable Materials Ann Dumoulin Department of Green Chemistry and Technology	5	1	A:1	150
2.3				19	credits
Nr Course		CRDT Re	ef MT1	Session	Study
1 610021	Technology for Circular Economy Diederik Rousseau Department of Green Chemistry and Technology	3	1	A:2	90
2 630019	Biometrics Stijn Luca Department of Data Analysis and Mathematical Modelling	3	1	A:2	90
3 1630051	Biochemical Engineering Katleen Raes Department of Food Technology, Safety and Health	6	1	A:2	180
4 1630062	Portfolio Internationalisation Diederik Rousseau Department of Green Chemistry and Technology	3	1	A:J	90
5 1630068	Sustainable Energy Jos Knockaert Department of Electromechanical, Systems and Metal Engineering	4	1	A:2	120
2.3.1				16	credits
This module of the Course	doesn't need to be followed when the student passes the qualification tes	t and can follow the re		Session	Study
1 1630063	Circular Water Technology Stijn Van Hulle Department of Green Chemistry and Technology	5	1	A:1	150
2 1630065		6	1	A:2	180
3 1630067		5	1	A:1	150
2.4	The second of th			50	credits
Nr Course		CRDT Re	ef MT1	Session	Study
1 E61001	Mechanics Michael Monte Department of Electromechanical, Systems and Metal Engineering	6	1	A:J	180
2 E61001	9 Materials Geert De Clercq Department of Materials, Textiles and Chemical Engineering	3	1	A:1	90
3 610021	Technology for Circular Economy Diederik Rousseau Department of Green Chemistry and Technology	3	1	A:2	90
4 1630019	Biometrics Stijn Luca Department of Data Analysis and Mathematical Modelling	3	1	A:2	90
5 1630063	Circular Water Technology Stijn Van Hulle Department of Green Chemistry and Technology	5	1	A:1	150
6 1630045		7	1	A:1	180
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7	1630064	Process Control Sergei Gusev Department of Green Chemistry and Technology	5	1	A:1	150
8	1630062	Portfolio Internationalisation Diederik Rousseau Department of Green Chemistry and Technology	3	1	A:J	90
9	1630067	Sustainable Materials Ann Dumoulin Department of Green Chemistry and Technology	5	1	A:1	150
10	1630068	Sustainable Energy Jos Knockaert Department of Electromechanical, Systems and Metal Engineering	4	1	A:2	120
11	1630065	Resource Recovery Stijn Van Hulle Department of Green Chemistry and Technology	6	1	A:2	180

2.5 50 credits

Nr	Course		CRDT	Ref MT1	Session	Study
1	E610013	Mechanics Michael Monte Department of Electromechanical, Systems and Metal Engineering	6	1	A:J	180
2	E610019	Materials Geert De Clercq Department of Materials, Textiles and Chemical Engineering	3	1	A:1	90
3	E610016	Physics Michael Monte Department of Electromechanical, Systems and Metal Engineering	5	1	B:2	150
4	1630019	Biometrics Stijn Luca Department of Data Analysis and Mathematical Modelling	3	1	A:2	90
5	1620031	Physico-Chemistry Stijn Van Hulle Department of Green Chemistry and Technology	6	1	A:2	180
6	1630063	Circular Water Technology Stijn Van Hulle Department of Green Chemistry and Technology	5	1	A:1	150
7	1630045	Chemical Engineering Steven De Meester Department of Green Chemistry and Technology	7	1	A:1	180
8	1630067	Sustainable Materials Ann Dumoulin Department of Green Chemistry and Technology	5	1	A:1	150
9	1630065	Resource Recovery Stijn Van Hulle Department of Green Chemistry and Technology	6	1	A:2	180
10	1630068	Sustainable Energy Jos Knockaert Department of Electromechanical, Systems and Metal Engineering	4	1	A:2	120

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 h: tri-annually, from 2026-2027 k: tri-annually, from 2027-2028

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