

Faculty of Bioscience Engineering

Linking Course Master of Science in Bioindustrial Sciences: Circular Bioprocessstechnology

Campus: Courtray

Language of instruction: Dutch

Programme version 2

## 1 General Courses 58 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	I610018 Mathematics I Jan Baetens -- Department of Data Analysis and Mathematical Modelling	6		1	A:1	180
2	E610014 Electricity Kurt Stockman -- Department of Electromechanical, Systems and Metal Engineering	6		1	A:1	180
3	E620032 Applied Fluid Mechanics and Thermodynamics Martijn van den Broek -- Department of Electronics and Information Systems	6		1	A:1	180
4	I630045 Chemical Engineering Steven De Meester -- Department of Green Chemistry and Technology	7		1	A:1	180
5	I620023 Sensors and Data Acquisition Sergei Gusev -- Department of Green Chemistry and Technology	5		1	B:1	150
6	I630058 Bioprocess Simulations and Design Tools Stijn Van Hulle -- Department of Green Chemistry and Technology	5		1	A:1	150
7	I620025 Thermal and Mechanical Engineering Joël Hogie -- Department of Green Chemistry and Technology	5		1	A:2	150
8	I630057 Process Control Sergei Gusev -- Department of Green Chemistry and Technology	6		1	A:2	180
9	I630051 Biochemical Engineering Kathleen Raes -- Department of Food Technology, Safety and Health	6		1	A:2	180
10	I610019 Mathematics II Jan Baetens -- Department of Data Analysis and Mathematical Modelling	6		1	A:2	180

## 2 General Courses

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

### 2.1 General Courses 30 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	I630043 Chemical Conversions of Biological Raw Material Kathleen Raes -- Department of Food Technology, Safety and Health	5		1	A:1	150
2	I620018 Physico-Chemistry Stijn Van Hulle -- Department of Green Chemistry and Technology	5		1	A:2	150
3	I620019 Organic Chemistry II Christophe Wille -- Department of Food Technology, Safety and Health	4		1	A:1	120
4	I630059 Hygienic Design and Cleaning & Disinfection Imca Sampers -- Department of Food Technology, Safety and Health	5		1	A:2	150
5	E610016 Physics Michael Monte -- Department of Electromechanical, Systems and Metal Engineering	5		1	B:2	150
6	I610017 Microbial System and Virology Christophe Wille -- Department of Food Technology, Safety and Health	3		1	A:2	90
7	I620020 Environmental Microbiology Diederik Rousseau -- Department of Green Chemistry and Technology	3		1	A:2	90

### 2.2 General Courses 3 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
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#### 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 2023-2024	f: annually, from 2024-2025	i: annually, from 2025-2026
b: tri-annually	d: bi-annually, from 2023-2024	g: bi-annually, from 2024-2025	j: bi-annually, from 2025-2026
	e: tri-annually, from 2023-2024	h: tri-annually, from 2024-2025	k: tri-annually, from 2025-2026