

Faculty of Bioscience Engineering

Bachelor of Science in Bioindustrial Sciences

Campus: Courtray

Language of instruction: Dutch

Programme version 6

## 1 General Courses

170 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	E610013 Mechanics Michael Monte -- Department of Electromechanical, Systems and Metal Engineering	6		1	A:J	180
3	E610019 Materials Geert De Clercq -- Department of Materials, Textiles and Chemical Engineering	3		1	A:1	90
4	E610014 Electricity Kurt Stockman -- Department of Electromechanical, Systems and Metal Engineering	6		1	A:1	180
5	I610008 General Chemistry Christophe Wille -- Department of Food Technology, Safety and Health	6		1	A:1	180
6	I610003 Biology of Micro-Organisms Christophe Wille -- Department of Food Technology, Safety and Health	6		1	A:1	180
7	E610016 Physics Michael Monte -- Department of Electromechanical, Systems and Metal Engineering	5		1	B:2	150
8	E610055 Electronics Sam Lemey -- Department of Information Technology	3		1	A:2	90
9	I610015 Introduction to the Circular Economy Diederik Rousseau -- Department of Green Chemistry and Technology	3		1	A:2	90
10	I610016 Organic Chemistry I Christophe Wille -- Department of Food Technology, Safety and Health	4		1	A:2	120
11	I610014 Analytical Chemistry Ann Dumoulin -- Department of Green Chemistry and Technology	3		1	A:2	90
12	I610017 Microbial System and Virology Christophe Wille -- Department of Food Technology, Safety and Health	3		1	A:2	90
13	I610019 Mathematics II Jan Baetens -- Department of Data Analysis and Mathematical Modelling	6		1	A:2	180
14	I610012 Biochemistry Christophe Wille -- Department of Food Technology, Safety and Health	6		2	B:1	180
15	I620015 Statistical Data Analysis and Experimental Design Stijn Van Hulle -- Department of Green Chemistry and Technology	6		2	A:1	180
16	I620017 Spectroscopic Analysis Ann Dumoulin -- Department of Green Chemistry and Technology	3		2	A:1	90
17	I620018 Physico-Chemistry Stijn Van Hulle -- Department of Green Chemistry and Technology	5		2	A:2	150
18	I620019 Organic Chemistry II Christophe Wille -- Department of Food Technology, Safety and Health	4		2	A:1	120
19	I620020 Environmental Microbiology Diederik Rousseau -- Department of Green Chemistry and Technology	3		2	A:2	90
20	I630019 Biometrics Stijn Luca -- Department of Data Analysis and Mathematical Modelling	3		2	A:2	90
21	I620023 Sensors and Data Acquisition Sergei Gusev -- Department of Green Chemistry and Technology	5		2	B:1	150

22	I620024	Chromatographic Techniques Ann Dumoulin -- Department of Green Chemistry and Technology	5	2	A:2	150
23	I620025	Thermal and Mechanical Engineering Joël Hogie -- Department of Green Chemistry and Technology	5	2	A:2	150
24	I620026	Quality Assurance in the (Food) Industry Imca Sampers -- Department of Food Technology, Safety and Health	6	2	A:2	180
25	I620027	Structure of Plant and Animal Joris Michiels -- Department of Animal Sciences and Aquatic Ecology	3	2	A:2	90
26	E620032	Applied Fluid Mechanics and Thermodynamics Martijn van den Broek -- Department of Electronics and Information Systems	6	2	A:1	180
27	I630045	Chemical Engineering Steven De Meester -- Department of Green Chemistry and Technology	7	3	A:1	180
28	I630046	Environmental Technology I Stijn Van Hulle -- Department of Green Chemistry and Technology	6	3	A:1	180
29	I630047	Biocatalysis Tom Desmet -- Department of Biotechnology	3	3	A:1	90
30	E620702	Business Administration Ludo Poelaert -- Department of Industrial Systems Engineering and Product Design	3	3	A:2	90
31	I630057	Process Control Sergei Gusev -- Department of Green Chemistry and Technology	6	3	A:2	180
32	I630051	Biochemical Engineering Katieen Raes -- Department of Food Technology, Safety and Health	6	3	A:2	180
33	I630058	Bioprocess Simulations and Design Tools Stijn Van Hulle -- Department of Green Chemistry and Technology	5	3	A:1	150
34	I630053	Sustainable Energy and Rational Use of Energy Jos Knockaert -- Department of Electromechanical, Systems and Metal Engineering	4	3	A:2	120
35	I630056	Bachelor Thesis Diederik Rousseau -- Department of Green Chemistry and Technology	6	3	B:J	180
36	I630060	Risk Assessment of Chemicals Karel De Schampelaere -- Department of Animal Sciences and Aquatic Ecology	4	3	A:2	120

## 2 Minors

10 credits

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

### 2.1 Minor Food Processing Technology

10 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	I630043 Chemical Conversions of Biological Raw Material Katieen Raes -- Department of Food Technology, Safety and Health	5		3	A:1	150
2	I630059 Hygienic Design and Cleaning & Disinfection Imca Sampers -- Department of Food Technology, Safety and Health	5		3	A:2	150

### 2.2 Minor Green Technology

10 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	I630044 Environmental Technology II Ann Dumoulin -- Department of Green Chemistry and Technology	5		3	A:1	150
2	I630050 Sustainable Materials Ann Dumoulin -- Department of Green Chemistry and Technology	5		3	A:2	150

## 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