



**Faculty of Bioscience Engineering  
Bachelor of Science in Bioindustrial Sciences**

Campus: Courtray

Language of instruction: Dutch

Programme version 8

1 General Courses						176 credits	
Nr	Course		CRDT	Ref	MT1	Session	Study
1	I610018	Mathematics I <i>Jan Baetens -- Department of Data Analysis and Mathematical Modelling</i>	6		1	A:1	180
2	E610013	Mechanics <i>Michael Monte -- Department of Electromechanical, Systems and Metal Engineering</i>	6		1	A:J	180
3	E610014	Electricity <i>Kurt Stockman -- Department of Electromechanical, Systems and Metal Engineering</i>	6		1	A:1	180
4	E610019	Materials <i>Geert De Clercq -- Department of Materials, Textiles and Chemical Engineering</i>	3		1	A:1	90
5	I610008	General Chemistry <i>Christophe Wille -- Department of Food Technology, Safety and Health</i>	6		1	A:1	180
6	I610020	Microbiology <i>Christophe Wille -- Department of Food Technology, Safety and Health</i>	6		1	A:1	180
7	I610019	Mathematics II <i>Jan Baetens -- Department of Data Analysis and Mathematical Modelling</i>	6		1	A:2	180
8	E610016	Physics <i>Michael Monte -- Department of Electromechanical, Systems and Metal Engineering</i>	5		1	B:2	150
9	E610055	Electronics <i>Sam Lemey -- Department of Information Technology</i>	3		1	A:2	90
10	I610022	Organic Chemistry I <i>Christophe Wille -- Department of Food Technology, Safety and Health</i>	5		1	A:2	150
11	I610023	Analytical Chemistry <i>Ann Dumoulin -- Department of Green Chemistry and Technology</i>	5		1	A:2	150
12	I610021	Technology for Circular Economy <i>Diederik Rousseau -- Department of Green Chemistry and Technology</i>	3		1	A:2	90
13	I620015	Statistical Data Analysis and Experimental Design <i>Stijn Van Hulle -- Department of Green Chemistry and Technology</i>	6		2	A:1	180
14	I620034	Programming <i>Jan Verwaeren -- Department of Data Analysis and Mathematical Modelling</i>	3		2	A:1	90
15	E620032	Applied Fluid Mechanics and Thermodynamics <i>Michel De Paeppe -- Department of Electromechanical, Systems and Metal Engineering</i>	6		2	A:1	180
16	I620030	Organic Chemistry II <i>Christophe Wille -- Department of Food Technology, Safety and Health</i>	6		2	A:1	180
17	I620017	Spectroscopic Analysis <i>Ann Dumoulin -- Department of Green Chemistry and Technology</i>	3		2	A:1	90
18	I620028	Biological Raw Materials <i>Stefaan Werbrouck -- Department of Plants and Crops</i>	6		2	A:1	180
19	I630019	Biometrics <i>Stijn Luca -- Department of Data Analysis and Mathematical Modelling</i>	3		2	A:2	90
20	I620033	Thermal Engineering <i>Joël Hogie -- Department of Green Chemistry and Technology</i>	4		2	A:2	120
21	I620032	Smart Sensors <i>Sergei Gusev -- Department of Green Chemistry and Technology</i>	6		2	A:2	180

22	I620031	Physico-Chemistry <i>Stijn Van Hulle -- Department of Green Chemistry and Technology</i>	6	2	A:2	180
23	I620029	Chromatographic Techniques <i>Ann Dumoulin -- Department of Green Chemistry and Technology</i>	5	2	A:2	150
24	I610012	Biochemistry <i>Christophe Wille -- Department of Food Technology, Safety and Health</i>	6	2	A:2	180
25	I630063	Circular Water Technology <i>Stijn Van Hulle -- Department of Green Chemistry and Technology</i>	5	3	A:1	150
26	I630045	Chemical Engineering <i>Steven De Meester -- Department of Green Chemistry and Technology</i>	7	3	A:1	180
27	I630064	Process Control <i>Sergei Gusev -- Department of Green Chemistry and Technology</i>	5	3	A:1	150
28	I630067	Sustainable Materials <i>Ann Dumoulin -- Department of Green Chemistry and Technology</i>	5	3	A:1	150
29	I640043	Sustainability Assessment <i>Steven De Meester -- Department of Green Chemistry and Technology</i>	3	3	A:1	90
30	I630065	Resource Recovery <i>Stijn Van Hulle -- Department of Green Chemistry and Technology</i>	6	3	A:2	180
31	I630051	Biochemical Engineering <i>Katleen Raes -- Department of Food Technology, Safety and Health</i>	6	3	A:2	180
32	I630068	Sustainable Energy <i>Jos Knockaert -- Department of Electromechanical, Systems and Metal Engineering</i>	4	3	A:2	120
33	E620702	Business Administration <i>Sofie Van Volsem -- Department of Industrial Systems Engineering and Product Design</i>	3	3	A:2	90
34	I630066	Entrepreneurship in the Circular Economy <i>Imca Sampers -- Department of Food Technology, Safety and Health</i>	3	3	A:2	90
35	I630062	Portfolio Internationalisation <i>Diederik Rousseau -- Department of Green Chemistry and Technology</i>	3	3	A:J	90
36	I630056	Bachelor Thesis <i>Diederik Rousseau -- Department of Green Chemistry and Technology</i>	6	3	B:J	180

## 2 Elective Courses

4 credits

Subscribe to 4 credit units from the Ghent University study programmes, including the Ghent University Elective Courses, distributed over the first standard learning path as follows: 4 credit units in year 3. Subject to approval by the faculty.  
[Ghent University Elective Courses](#)

### 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 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
	e: tri-annually, from 2025-2026	h: tri-annually, from 2026-2027	k: tri-annually, from 2027-2028