Study Programme

Academic year 2026-2027

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	6		1	A:1	180
		Jan Baetens -- Department of Data Analysis and Mathematical Modelling					
2	E610013	Mechanics	6		1	A:J	180
		Michael Monte -- Department of Electromechanical, Systems and Metal Engineering					
3	E610014	Electricity	6		1	A:1	180
		Kurt Stockman -- Department of Electromechanical, Systems and Metal Engineering					
4	E610019	Materials	3		1	A:1	90
		Geert De Clercq -- Department of Materials, Textiles and Chemical Engineering					
5	I610008	General Chemistry	6		1	A:1	180
		Christophe Wille -- Department of Food Technology, Safety and Health					
6	I610020	Microbiology	6		1		180
7	I610019	Mathematics II	6		1	A:2	180
		Jan Baetens -- Department of Data Analysis and Mathematical Modelling					
8	E610016	Physics	5		1	B:2	150
		Michael Monte -- Department of Electromechanical, Systems and Metal Engineering					
9	E610055	Electronics	3		1	A:2	90
		Sam Lemey -- Department of Information Technology					
10	I610022	Organic Chemistry I	5		1		150
11	I610023	Analytical Chemistry	5		1		150
12	I610021	Technology for Circular Economy	3		1		90
13	I620015	Statistical Data Analysis and Experimental Design	6		2	A:1	180
		Stijn Van Hulle -- Department of Green Chemistry and Technology					
14	I620034	Programming	3		2	A:1	90
		Jan Verwaeren -- Department of Data Analysis and Mathematical Modelling					
15	E620032	Applied Fluid Mechanics and Thermodynamics	6		2	A:1	180
		Michel De Paepe -- Department of Electromechanical, Systems and Metal Engineering					
16	I620030	Organic Chemistry II	6		2	A:1	180
		Christophe Wille -- Department of Food Technology, Safety and Health					
17	I620017	Spectroscopic Analysis	3		2	A:1	90
		Ann Dumoulin -- Department of Green Chemistry and Technology					
18	I620028	Biological Raw Materials	6		2	A:1	180
		Stefaan Werbrouck -- Department of Plants and Crops					
19	I630019	Biometrics	3		2	A:2	90
		Stijn Luca -- Department of Data Analysis and Mathematical Modelling					
20	I620033	Thermal Engineering	4		2	A:2	120
		Joël Hogie -- Department of Green Chemistry and Technology					
21	I620032	Smart Sensors	6		2	A:2	180
		Pieter Nachtergaele -- Department of Green Chemistry and Technology					
22	I620031	Physico-Chemistry	6		2	A:2	180
		Stijn Van Hulle -- Department of Green Chemistry and Technology					

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

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 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 2027-2028	f: annually, from 2028-2029	i: annually, from 2029-2030
b: tri-annually	d: bi-annually, from 2027-2028	g: bi-annually, from 2028-2029	j: bi-annually, from 2029-2030
	e: tri-annually, from 2027-2028	h: tri-annually, from 2028-2029	k: tri-annually, from 2029-2030