GHENT UNIVERSITY

Study Programme

Academic year 2025-2026

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

22	I620031	Physico-Chemistry *Stijn Van Hulle -- Department of Green Chemistry and Technology*	6	2	A:2	180
23	I620029	Chromatographic Techniques *Ann Dumoulin -- Department of Green Chemistry and Technology*	5	2	A:2	150
24	I610012	Biochemistry *Christophe Wille -- Department of Food Technology, Safety and Health*	6	2	A:2	180
25	I630063	Circular Water Technology *Stijn Van Hulle -- Department of Green Chemistry and Technology*	5	3	A:1	150
26	I630045	Chemical Engineering *Steven De Meester -- Department of Green Chemistry and Technology*	7	3	A:1	180
27	I630064	Process Control	5	3	A:1	150
28	I630067	Sustainable Materials *Ann Dumoulin -- Department of Green Chemistry and Technology*	5	3	A:1	150
29	I640043	Sustainability Assessment *Steven De Meester -- Department of Green Chemistry and Technology*	3	3	A:1	90
30	I630065	Resource Recovery *Stijn Van Hulle -- Department of Green Chemistry and Technology*	6	3	A:2	180
31	I630051	Biochemical Engineering *Katleen Raes -- Department of Food Technology, Safety and Health*	6	3	A:2	180
32	I630068	Sustainable Energy *Jeroen De Kooning -- Department of Electromechanical, Systems and Metal Engineering*	4	3	A:2	120
33	E620702	Business Administration *Sofie Verbrugge -- Department of Information Technology*	3	3	A:2	90
34	I630066	Entrepreneurship in the Circular Economy *Imca Sampers -- Department of Food Technology, Safety and Health*	3	3	A:2	90
35	I630062	Portfolio Internationalisation *Diederik Rousseau -- Department of Green Chemistry and Technology*	3	3	A:J	90
36	I630056	Bachelor Thesis *Diederik Rousseau -- Department of Green Chemistry and Technology*	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 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 2026-2027	f: annually, from 2027-2028	i: annually, from 2028-2029
b: tri-annually	d: bi-annually, from 2026-2027	g: bi-annually, from 2027-2028	j: bi-annually, from 2028-2029
	e: tri-annually, from 2026-2027	h: tri-annually, from 2027-2028	k: tri-annually, from 2028-2029