GHENT UNIVERSITY

Study Programme

Academic year 2023-2024

Faculty of Engineering and Architecture

Bachelor of Science in Engineering Technology -- Chemical Engineering Technology

Language of instruction: Dutch

Programme version 4

1 General Courses 60 credits

Nr	Course		CRDT	Ref	MT1	Session	Study
1	E701033	Mathematics I *Tanja Van Hecke -- Department of Information Technology*	6		1	A:1	180
2	E701023	General Chemistry *Maarten Sabbe -- Department of Materials, Textiles and Chemical Engineering*	6		1	A:1	180
3	E701024	Electricity *Luc Dupré -- Department of Electromechanical, Systems and Metal Engineering*	6		1	A:1	180
4	E701051	Design Tools *Kathleen Gekiere -- Department of Structural Engineering and Building Materials*	4		1	A:1	120
5	E701029	Materials *Geert De Clercq -- Department of Materials, Textiles and Chemical Engineering*	3		1	A:1	90
6	E701030	Mechanics *Tom Claessens -- Department of Materials, Textiles and Chemical Engineering*	6		1	A:J	180
7	E701052	Engineering Project *Kathleen Gekiere -- Department of Structural Engineering and Building Materials*	5		1	A:J	150
8	E701034	Mathematics II *Tanja Van Hecke -- Department of Information Technology*	6		1	A:2	180
9	E701056	Physics *Sven Van Loo -- Department of Applied Physics*	6		1	A:2	180
10	E701053	Computer Science *Helga Naessens -- Department of Information Technology*	6		1	A:2	180
11	E701054	Sustainable Energy Technologies *Johan Lauwaert -- Department of Electronics and Information Systems*	3		1	A:2	90
12	E701055	Electronics *Jo Verhaevert -- Department of Information Technology*	3		1	A:2	90

2 General Courses 15 credits

Nr	Course		CRDT	Ref	MT1	Session	Study
1	E702010	Signals and Systems *Jan Beyens -- Department of Information Technology*	6		2	A:1	180
2	E702090	Statistics and Mathematical Data-analysis *Tanja Van Hecke -- Department of Information Technology*	6		2	A:2	180
3	E702702	Business Administration *Ludo Poelaert -- Department of Industrial Systems Engineering and Product Design*	3		2	A:2	90

3 Courses Related to the Main Subject 102 credits

Nr	Course		CRDT	Ref	MT1	Session	Study
1	E702080	Thermodynamics and Fluid Mechanics *Tom Claessens -- Department of Materials, Textiles and Chemical Engineering*	6		2	A:1	180
2	E702070	Physics of Waves and Particles *Sven Van Loo -- Department of Applied Physics*	3		2	A:1	90

3	E721046	Environmental Management *Diederik Rousseau -- Department of Green Chemistry and Technology*	3		2	A:1	90
4	E721020	Chemical Analysis/Standardization *Greta Diricks -- Department of Materials, Textiles and Chemical Engineering*	3		2	A:1	90
5	E721024	Chemical Process Balances *Jeriffa De Clercq -- Department of Materials, Textiles and Chemical Engineering*	3		2	A:1	90
6	E721021	Organic Chemistry I *An Verberckmoes -- Department of Materials, Textiles and Chemical Engineering*	6		2	A:1	180
7	E721019	Research Methodology *Jeroen Lauwaert -- Department of Materials, Textiles and Chemical Engineering*	3		2	A:2	90
8	E721050	Organic Chemistry II and Biochemistry *An Verberckmoes -- Department of Materials, Textiles and Chemical Engineering*	9		2	A:2	270
9	E721039	Inorganic Chemistry *Jeroen Lauwaert -- Department of Materials, Textiles and Chemical Engineering*	6		2	A:2	162
10	E721025	Multidisciplinary Engineering Project *Jeriffa De Clercq -- Department of Materials, Textiles and Chemical Engineering*	3		2	A:2	90
11	E721026	Analytical Chemistry *Stefan Voorspoels -- Department of Materials, Textiles and Chemical Engineering*	6		3	A:1	180
12	E721040	Physical Chemistry *Maarten Sabbe -- Department of Materials, Textiles and Chemical Engineering*	5		3	A:1	150
13	E721041	Spectroscopy *An Verberckmoes -- Department of Materials, Textiles and Chemical Engineering*	6		3	A:1	180
14	E721029	Polymers *Filip Du Prez -- Department of Organic Chemistry*	4		3	A:1	120
15	E721044	Environmental Engineering: water and air *Joris Thybaut -- Department of Materials, Textiles and Chemical Engineering*	3		3	A:1	90
16	E721047	Thermal operations *Jeriffa De Clercq -- Department of Materials, Textiles and Chemical Engineering*	3		3	A:1	90
17	E741023	Control Theory *Jan Beyens -- Department of Information Technology*	6		3	A:2	180
18	E721048	Unit Operations of Chemical Engineering *Jeriffa De Clercq -- Department of Materials, Textiles and Chemical Engineering*	9		3	A:2	270
19	E721042	Instrumental Analysis *Joeri Vercammen -- Department of Materials, Textiles and Chemical Engineering*	6		3	A:2	180
20	E721033	Industrial Inorganic Chemistry *Maarten Sabbe -- Department of Materials, Textiles and Chemical Engineering*	3		3	A:2	90
21	E721038	Bachelor Thesis *An Verberckmoes -- Department of Materials, Textiles and Chemical Engineering*	6		3	A:2	180

4 Elective Courses — 3 credits

Subscribe to course units from the following list, distributed over the first standard learning path as follows: 3 credit units in year 3.
Subject to approval by the faculty.

Nr	Course		CRDT	Ref	MT1	Session	Study
1	E076450	Basic Entrepreneurship *Yannick Dillen -- Department of Marketing, Innovation and Organisation*	3	UKV	3	A:1	90
2	E075060	Philosophy and Science *Maarten Van Dyck -- Department of Philosophy and Moral Sciences*	3		3	A:1	90
3	A003001	Academic English [en] *Geert Jacobs -- Department of Linguistics*	3	UKV	3	B:1, A:2	90

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 2024-2025	f: annually, from 2025-2026	i: annually, from 2026-2027
b: tri-annually	d: bi-annually, from 2024-2025	g: bi-annually, from 2025-2026	j: bi-annually, from 2026-2027
	e: tri-annually, from 2024-2025	h: tri-annually, from 2025-2026	k: tri-annually, from 2026-2027