GHENT UNIVERSITY

Study Programme

Academic year 2026-2027

Faculty of Engineering and Architecture

Master of Science in Chemical Engineering Technology

Language of instruction: Dutch

Programme version 9

1 General Courses — 21 credits

Nr	Course		CRDT	Ref	MT1	Session	Study
1	E741031	Applied Materials Science *Inge Bellemans -- Department of Materials, Textiles and Chemical Engineering*	3		1	A:1	90
2	E721043	Introduction to Polymer Technology	3		1		90
3	E071010	Process Engineering *Antoon Beyne -- Department of Materials, Textiles and Chemical Engineering*	6		1	A:1	180
4	E725012	Industrial Organic Chemistry *Jeriffa De Clercq -- Department of Materials, Textiles and Chemical Engineering*	3		1	A:1	90
5	E072302	Safety, Health and Environmental Management	3		1		90
6	E725030	Chemical Reactors *Jeriffa De Clercq -- Department of Materials, Textiles and Chemical Engineering*	3		1	A:2	90

2 Elective Courses — 15 credits

Subscribe to 15 credit units from 1 possibility from the following list. Subject to approval by the faculty.

2.1 Electives Industrial Chemistry — 15 credits

Subscribe to 15 credit units from the following list.

Nr	Course		CRDT	Ref	MT1	Session	Study
1	E725080	Process Instrumentation *Tom Lefebvre -- Department of Electromechanical, Systems and Metal Engineering*	3			A:1	90
2	E725040	Unit Operations of Chemical Engineering II *Jeriffa De Clercq -- Department of Materials, Textiles and Chemical Engineering*	6			A:1	180
3	E066662	Environmentally Assisted Degradation of Materials [en] *Kim Verbeken -- Department of Materials, Textiles and Chemical Engineering*	6			A:2	180

2.2 Electives Plastics — 15 credits

Subscribe to 15 credit units from the following list, with 3 credit units with reference a. Subject to approval by the faculty.

Nr	Course		CRDT	Ref	MT1	Session	Study
1	E725050	Product Development and Additive Manufacturing	3				90
2	E725019	Polymer Processing	6				180
3	E725110	Polymer and Composite Materials	3				90
4	C002965	Advanced Polymer Chemistry [en] *Filip Du Prez -- Department of Organic Chemistry*	3	a		A:1	75
5	E725070	Mould Making	3	a			90

3 Elective Courses — 6 credits

Subscribe to 6 credit units from 1 module from the following list. Subject to approval by the faculty.

3.1 Elective Courses: Internship

Subscribe to 6 credit units from the following list. Subject to approval by the faculty.

Nr	Course		CRDT	Ref	MT1	Session	Study
1	E099600	Industry Internship Engineering Technology [en, nl] *Patrick Segers -- Department of Electronics and Information Systems*	6			A:J	180
2	E099400	Research Internship [en] *Patrick Segers -- Department of Electronics and Information Systems*	6			A:J	180

3.2 Elective Courses: Chemical Analysis

Subscribe to 6 credit units from 2 modules from the following list. Subject to approval by the faculty.

3.2.1 Elective Courses: Applied Instrumental Analysis

Nr	Course		CRDT	Ref	MT1	Session	Study
1	E725021	Applied Instrumental Analysis *An Verberckmoes -- Department of Materials, Textiles and Chemical Engineering*	3			A:2	90

3.2.2 Elective Courses Ghent University

Subscribe to 3 credit units from Ghent University's programmes, including the university-wide electives (excluding Programming, C003080). The electieves are preferably selected from the study programmes in the third bachelor' year or from the master's programmes. They should be in line with the learning competences and should be broadening or deepening. Subject to approval by the faculty.

4 Master's Dissertation 18 credits

Nr	Course		CRDT	Ref	MT1	Session	Study
1	E705002	Master's Dissertation	18		1	A:J	540

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