

## Study Programme

### Academic year 2024-2025

### 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 Paul Van Steenberge Department of Materials, Textiles and Chemical Engineering	3	1	A: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 [en] Paul Van Steenberge Department of Materials, Textiles and Chemical Engineering	3	1	A:2	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	
Su	oscribe to 15	credit units from 1 possibility from the following list. Subject to appre	oval by the faculty.				
2.	1 Elective	es Industrial Chemistry			15	credits	
Su Nr	bscribe to 15	credit units from the following list.	CRDT	Rof MT1	Session	Study	
1	E725080	Process Instrumentation Jan Beyens Department of Information Technology	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 cred						credits	
Subscribe to 15 credit units from the following list, with 3 credit units with reference a. Subject to approval by the faculty.							
1	E725050	Product Development and Additive Manufacturing [en] Ludwig Cardon Department of Materials, Textiles and Chemical Engineering	3	Kei WITI	A:1	90	
2	E725019	Polymer Processing [en] Ludwig Cardon Department of Materials, Textiles and Chemical Engineering	6		A:1	180	
3	E725110	Polymer and Composite Materials [en] Mariya Edeleva Department of Materials, Textiles and Chemical Engineering	3		A:2	90	
4	C002965	Advanced Polymer Chemistry [en] Filip Du Prez Department of Organic Chemistry	3	а	A:1	75	
5	E725070	Mould Making [en] Ludwig Cardon Department of Materials, Textiles and Chemical Engineering	3	а	B:2	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	<b>Research Internship [en]</b> 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 <u>the university-wide electives</u> (excluding Programming, C003080). The electives 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 cr					
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 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