

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 Steenberghe -- 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 Steenberghe -- 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

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 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 Verbeke -- 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 [en] Ludwig Cardon -- Department of Materials, Textiles and Chemical Engineering	3			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	a		A:1	75
5	E725070 Mould Making [en] Ludwig Cardon -- Department of Materials, Textiles and Chemical Engineering	3	a		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 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 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 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	E705002 Master's Dissertation	18		1	B: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 course 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 is 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