

Faculty of Bioscience Engineering

Master of Science in Biochemical Engineering Technology

Language of instruction: Dutch

Programme version 9

## 1 General Courses 35 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	I700276 Industrial Biomanufacturing [en] Leen De Gelder -- Department of Biotechnology	6		1	A:1	180
2	I700181 Process Instrumentation and Quality Control Mia Eeckhout -- Department of Food Technology, Safety and Health	3		1	A:1	90
3	I700277 Biochemical and Molecular Analysis Kris Audenaert -- Department of Plants and Crops	5		1	A:1	150
4	I700265 Malting and Brewing Technology Jessika De Clippeleer -- Department of Biotechnology	4		1	A:1	120
5	I700165 Biocatalytic Applications Yves Briers -- Department of Biotechnology	5		1	A:1	140
6	I700242 Practical Cases from the Life Science Industry	4		1	A:2	110
7	I700278 Environmental Biotechnology Leen De Gelder -- Department of Biotechnology	5		1	A:2	150
8	I700243 Industry Awareness and Internationalization Leen De Gelder -- Department of Biotechnology	3		1	A:2	90

## 2 Elective Courses 5 credits

Subscribe to 5 credit units from the modules from the following list.

### 2.1 Elective Courses: List

Nr	Course	CRDT	Ref	MT1	Session	Study
1	I700264 Internship Biochemical Engineering technology Jessika De Clippeleer -- Department of Biotechnology	6		1	B:2, A:1	180
2	I002607 Resource Recovery Technology [en] Ramon Ganigué -- Department of Biotechnology	6		1	A:2	180
3	I002631 Industrial Fermentation Processes and Downstream Processing [en] Wim Soetaert -- Department of Biotechnology	5		1	A:2	150
4	I002632 Metabolic Engineering and Modelling of Micro-organisms [en] Marjan De Mey -- Department of Biotechnology	4		1	A:2	120
5	I002623 Interphase Processes of Host-associated Micro-organisms [en] Tom Van de Wiele -- Department of Biotechnology	5		1	A:1	150
6	I002611 Plant Biotechnology [en]	5		1	A:2	150

### 2.2 Course to be chosen from the study programmes of Ghent University

Subscribe to course units from Ghent University including [the Ghent University Elective Courses](#). Subject to approval by the faculty.

## 3 Master's Dissertation 20 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	I700244 Master's Dissertation Leen De Gelder -- Department of Biotechnology	20		1	A:J	600

#### Teaching languages

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: Croatian/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