

Study Programme

Academic year 2024-2025

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	1700276	Industrial Biomanufacturing [en] Leen De Gelder Department of Biotechnology	6	1	A:1	180
2	1700181	Process Instrumentation and Quality Control Mia Eeckhout Department of Food Technology, Safety and Health	3	1	A:1	90
3	1700277	Biochemical and Molecular Analysis Kris Audenaert Department of Plants and Crops	5	1	A:1	150
4	1700265	Malting and Brewing Technology Jessika De Clippeleer Department of Biotechnology	4	1	A:1	120
5	1700165	Biocatalytic Applications Yves Briers Department of Biotechnology	5	1	A:1	140
6	1700242	Practical Cases from the Life Science Industry Yves Briers Department of Biotechnology	4	1	A:2	110
7	1700278	Environmental Biotechnology Leen De Gelder Department of Biotechnology	5	1	A:2	150
8	1700243	Industry Awareness and Internationalization Leen De Gelder Department of Biotechnology	3	1	A:2	90

2 Elective Courses

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	1700264	Internship Biochemical Engineering technology Jessika De Clippeleer Department of Biotechnology	6	1	B:2, A:1	180
2	1002607	Resource Recovery Technology [en] Ramon Ganigué Department of Biotechnology	6	1	A:2	180
3	1002631	Industrial Fermentation Processes and Downstream Processing [en] Wim Soetaert Department of Biotechnology	5	1	A:2	150
4	1002632	Metabolic Engineering and Modelling of Micro-organisms [en] Marjan De Mey Department of Biotechnology	4	1	A:2	120
5	1002623	Interphase Processes of Host-associated Micro-organisms [en] Tom Van de Wiele Department of Biotechnology	5	1	A:1	150
6	1002611	Plant Biotechnology [en] Laurens Pauwels Department of Biotechnology	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 Re	f MT1	Session	Study		
1 1700244	Master's Dissertation	20	1	A:J	600		
	Leen De Gelder Department of Biotechnology						

5 credits

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	
ua. Danish	en. English	It. Italian	no. Norwegian	Tu. Russian	SV. Swedisii	

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
b: tri-annually	d: bi-annually, from 2025-2026
	e: tri-annually, from 2025-2026

f: annually, from 2026-2027 g: bi-annually, from 2026-2027 h: tri-annually, from 2026-2027 i: annually, from 2027-2028 j: bi-annually, from 2027-2028 k: tri-annually, from 2027-2028