

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]<br>Leen De Gelder -- Department of Biotechnology                               | 6    |     | 1   | A:1     | 180   |
| 2  | I700181 Process Instrumentation and Quality Control<br>Mia Eeckhout -- Department of Food Technology, Safety and Health | 3    |     | 1   | A:1     | 90    |
| 3  | I700277 Biochemical and Molecular Analysis<br>Kris Audenaert -- Department of Plants and Crops                          | 5    |     | 1   | A:1     | 150   |
| 4  | I700265 Malting and Brewing Technology<br>Jessika De Clippeleer -- Department of Biotechnology                          | 4    |     | 1   | A:1     | 120   |
| 5  | I700165 Biocatalytic Applications<br>Yves Briers -- Department of Biotechnology   | 5    |     | 1   | A:1     | 140   |
| 6  | I700242 Practical Cases from the Life Science Industry<br>Yves Briers -- Department of Biotechnology                    | 4    |     | 1   | A:2     | 110   |
| 7  | I700278 Environmental Biotechnology<br>Leen De Gelder -- Department of Biotechnology                                    | 5    |     | 1   | A:2     | 150   |
| 8  | I700243 Industry Awareness and Internationalization<br>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<br>Jessika De Clippeleer -- Department of Biotechnology           | 6    |     | 1   | B:2, A:1 | 180   |
| 2  | I002607 Resource Recovery Technology [en]<br>Ramon Ganigué -- Department of Biotechnology                               | 6    |     | 1   | A:2      | 180   |
| 3  | I002631 Industrial Fermentation Processes and Downstream Processing [en]<br>Wim Soetaert -- Department of Biotechnology | 5    |     | 1   | A:2      | 150   |
| 4  | I002632 Metabolic Engineering and Modelling of Micro-organisms [en]<br>Marjan De Mey -- Department of Biotechnology     | 4    |     | 1   | A:2      | 120   |
| 5  | I002623 Interphase Processes of Host-associated Micro-organisms [en]<br>Tom Van de Wiele -- Department of Biotechnology | 5    |     | 1   | A:1      | 150   |
| 6  | I002611 Plant Biotechnology [en]<br>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 | Ref | MT1 | Session | Study |
|----|--|------|-----|-----|---------|-------|
| 1  | I700244 Master's Dissertation<br>Leen De Gelder -- Department of Biotechnology | 20   |     | 1   | A:J     | 600   |

## 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: 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 |