GHENT UNIVERSITY

Study Programme

Academic year 2025-2026

Faculty of Bioscience Engineering

Exchange Programme in Bioscience Engineering: Cell and Gene Biotechnology (master's level)

Language of instruction: English

Programme version 8

1 Elective Courses

Nr	Course		CRDT	Ref	MT1	Session	Study
1	I002750	Isotopes in Biosciences *Pascal Boeckx -- Department of Green Chemistry and Technology*	5			A:1	150
2	I002628	Molecular Plant Breeding *Steven Maenhout -- Department of Plants and Crops*	5			A:1	150
3	I002615	Protein Chemistry *Els Van Damme -- Department of Biotechnology*	4			A:1	120
4	I001280	Experimental Design *Stijn Luca -- Department of Data Analysis and Mathematical Modelling*	3			A:2	75
5	I002717	Functional Foods *John Van Camp -- Department of Food Technology, Safety and Health*	5			A:2	150
6	I002632	Metabolic Engineering and Modelling of Micro-organisms *Marjan De Mey -- Department of Biotechnology*	4			A:2	120
7	I002607	Resource Recovery Technology *Ramon Ganigué -- Department of Biotechnology*	6			A:2	180
8	I002611	Plant Biotechnology *Laurens Pauwels -- Department of Biotechnology*	5			A:2	150
9	I001967	Intellectual Property and Valorization *Benedikt Sas -- Department of Food Technology, Safety and Health*	3			A:2	90
10	I002621	Gene Regulation and Epigenetics *Tina Kyndt -- Department of Biotechnology*	3			A:2	90
11	I002635	Enzyme Engineering and Modelling *Tom Desmet -- Department of Biotechnology*	3			A:1	90
12	I002629	Plant Phenotyping Technologies *Kris Audenaert -- Department of Plants and Crops*	3			A:2	90
13	I002617	Bio-imaging and Image Informatics *Andre Skirtach -- Department of Biotechnology*	4			A:1	120
14	I002633	Functional (Meta)genomics *Inge Van Bogaert -- Department of Biotechnology*	4			A:2	120
15	I002630	Functional Plant Biology *Danny Geelen -- Department of Plants and Crops*	4			A:2	120
16	I002634	Synthetic Biology *Marjan De Mey -- Department of Biotechnology*	4			A:2	120
17	I002610	Bioinformatics *Wim Van Criekinge -- Department of Data Analysis and Mathematical Modelling*	5			A:1	150
18	I002613	Human and Animal Biotechnology *Daisy Vanrompay -- Department of Animal Sciences and Aquatic Ecology*	5			A:2	150
19	I002612	Industrial Biotechnology *Wim Soetaert -- Department of Biotechnology*	5			A:1	150
20	I002622	Immunology *Daisy Vanrompay -- Department of Animal Sciences and Aquatic Ecology*	5			A:2	150

21	I002626	Plants, Pathogens and Pests *Monica Höfte -- Department of Plants and Crops*	5	A:2	150
22	I003027	Aquaculture Genetics *Annelies Declercq -- Department of Animal Sciences and Aquatic Ecology*	5	A:1	150
23	I003021	Advanced Biosystems Modelling *Paul Van Liedekerke -- Department of Data Analysis and Mathematical Modelling*	5	A:2	150
24	I003075	Omics *Tim De Meyer -- Department of Data Analysis and Mathematical Modelling*	6	A:2	180
25	I003076	Fit-for-Purpose Methods in Microbial Research *Nico Boon -- Department of Biotechnology*	4	A:1	120
26	I003078	Human Health Interactions with the Nutrition and Microbiome Interphase *Tom Van de Wiele -- Department of Biotechnology*	6	A:1	180
27	I002631	Industrial Fermentation Processes and Downstream Processing *Wim Soetaert -- Department of Biotechnology*	5	A:2	150
28	I003053	Machine Learning for Life Sciences *Willem Waegeman -- Department of Data Analysis and Mathematical Modelling*	4	A:1	120

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 2026-2027	f: annually, from 2027-2028	i: annually, from 2028-2029
b: tri-annually	d: bi-annually, from 2026-2027	g: bi-annually, from 2027-2028	j: bi-annually, from 2028-2029
	e: tri-annually, from 2026-2027	h: tri-annually, from 2027-2028	k: tri-annually, from 2028-2029