

Faculty of Bioscience Engineering

Exchange Programme in Bioscience Engineering: Chemistry and Bioprocess Technology (master's level)

Language of instruction: English

Programme version 9

1 Elective Courses

Nr	Course	CRDT	Ref	MT1	Session	Study
1	I002750 Isotopes in Biosciences <i>Pascal Boeckx -- Department of Green Chemistry and Technology</i>	5			A:1	150
2	I002753 Chemistry of Natural Products <i>Sven Mangelinckx -- Department of Green Chemistry and Technology</i>	5			A:1	150
3	I002780 Food Chemistry <i>Bruno De Meulenaer -- Department of Food Technology, Safety and Health</i>	5			A:1	150
4	I002762 Food Colloids <i>Paul Van der Meeren -- Department of Green Chemistry and Technology</i>	5			A:1	150
5	I002598 Physico-Chemical Resource Recovery from Aqueous Waste Streams <i>Marjolein Vanoppen -- Department of Green Chemistry and Technology</i>	6			A:1	180
6	I002679 Green Chemistry of Renewable Resources <i>Sven Mangelinckx -- Department of Green Chemistry and Technology</i>	4			A:1	120
7	I001280 Experimental Design <i>Stijn Luca -- Department of Data Analysis and Mathematical Modelling</i>	3			A:2	75
8	I002726 Food Fermentations <i>Katleen Raes -- Department of Food Technology, Safety and Health</i>	4			A:2	120
9	I002717 Functional Foods <i>John Van Camp -- Department of Food Technology, Safety and Health</i>	5			A:2	150
10	I002607 Resource Recovery Technology <i>Ramon Ganigüé -- Department of Biotechnology</i>	6			A:2	180
11	I001967 Intellectual Property and Valorization <i>Benedikt Sas -- Department of Food Technology, Safety and Health</i>	3			A:2	90
12	I002612 Industrial Biotechnology <i>Wim Soetaert -- Department of Biotechnology</i>	5			A:1	150
13	I002631 Industrial Fermentation Processes and Downstream Processing <i>Wim Soetaert -- Department of Biotechnology</i>	5			A:2	150
14	I002678 Bio-organic Chemistry <i>Christian Stevens -- Department of Green Chemistry and Technology</i>	4			A:1	120
15	I002587 Environmental Chemistry and Analysis: Atmospheric Processes <i>Christophe Walgraeve -- Department of Green Chemistry and Technology</i>	5			A:1	150
16	I002588 Environmental Chemistry and Analysis: Water, Soil and Sediment <i>Filip Tack -- Department of Green Chemistry and Technology</i>	5			A:1	150
17	I002757 Food Chemistry and Analysis <i>Bruno De Meulenaer -- Department of Food Technology, Safety and Health</i>	7			A:1	210
18	I002893 Bioresource Recovery Engineering: Case Studies and Company Visits <i>Erik Meers -- Department of Green Chemistry and Technology</i>	5			A:1	150
19	I003016 Metals and Metalloids in Environment and Technology <i>Filip Tack -- Department of Green Chemistry and Technology</i>	5			A:1	150

20	I003021	Advanced Biosystems Modelling <i>Paul Van Liedekerke -- Department of Data Analysis and Mathematical Modelling</i>	5	A:2	150
21	I003060	Sustainable Systems Engineering <i>Sophie Huysveld -- Department of Green Chemistry and Technology</i>	5	A:1	150
22	I003061	Concepts for Sustainable Systems Engineering <i>Sophie Huysveld -- Department of Green Chemistry and Technology</i>	3	A:1	90
23	I003062	Sustainability Assessment <i>Sophie Huysveld -- Department of Green Chemistry and Technology</i>	3	A:1	90
24	I003072	Environmental Technology: Water <i>Jo De Vrieze -- Department of Biotechnology</i>	6	A:2	180
25	I003053	Machine Learning for Life Sciences <i>Willem Waegeman -- Department of Data Analysis and Mathematical Modelling</i>	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 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 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