GHENT UNIVERSITY

Study Programme

Academic year 2024-2025

Global Campus South Korea,Faculty of Sciences,Faculty of Bioscience Engineering

Bachelor of Science in Food Technology

Campus: Incheon

Language of instruction: English

Programme version 10

1 General Courses — 120 credits

Nr	Course		CRDT	Ref	MT1	Session	Study
1	O000132	English for Academic Studies 1 Jonathan Ozelton -- Department of Environmental Technology, Food Technology and Molecular Biotechnology	5		1	A:1	150
2	O000133	General Biology Hoo Sun Chung -- Department of Environmental Technology, Food Technology and Molecular Biotechnology	5		1	A:1	150
3	O000078	Inorganic Chemistry 1: Structure of Matter Philippe Heynderickx -- Department of Environmental Technology, Food Technology and Molecular Biotechnology	5		1	A:1	150
4	O000185	Introduction to Engineering Mathematics Joris Vankerschaver -- Department of Environmental Technology, Food Technology and Molecular Biotechnology	5		1	A:1	150
5	O000187	Physics 1: Mechanics, Motion, Energy and Momentum	5		1	A:1	150
6	O000131	English for Academic Studies 2 Michael Dunne -- Department of Environmental Technology, Food Technology and Molecular Biotechnology	5		1	B:1, A:2	150
7	O000087	Inorganic Chemistry 2: Reactivity of Matter Philippe Heynderickx -- Department of Environmental Technology, Food Technology and Molecular Biotechnology	5		1	A:2	150
8	O000155	Introduction to Biochemistry: Biomolecules Mahta Mirzaei -- Department of Environmental Technology, Food Technology and Molecular Biotechnology	5		1	A:2	150
9	O000186	Mathematics 1: One-variable calculus and algebra Shodhan Rao -- Department of Environmental Technology, Food Technology and Molecular Biotechnology	5		1	A:2	150
10	O000188	Physics 2: Vibration, Waves and Thermodynamics	5		1	A:2	150
11	O000096	Informatics Wesley De Neve -- Department of Environmental Technology, Food Technology and Molecular Biotechnology	10		1	A:J	300
12	O000082	Organic Chemistry 1: Structure and Reactivity Di Wu -- Department of Environmental Technology, Food Technology and Molecular Biotechnology	5		2	A:1	150
13	O000136	Chemical Analytical Methods Jihae Park -- Department of Environmental Technology, Food Technology and Molecular Biotechnology	4		2	A:1	120
14	O000137	Plant Biology	3		2	A:1	90
15	O000138	Animal Biology Magdalena Radwanska -- Department of Environmental Technology, Food Technology and Molecular Biotechnology	3		2	A:1	75
16	O000156	Biochemistry: Metabolism	4		2	A:1	120
17	O000083	Mathematics 2: Multivariable Calculus and Geometry Shodhan Rao -- Department of Environmental Technology, Food Technology and Molecular Biotechnology	5		2	A:1	150
18	O000091	Physics 3: Electricity and Magnetism Serge Zhuiykov -- Department of Environmental Technology, Food Technology and Molecular Biotechnology	5		2	A:1	150
19	O000157	Microbiology Magdalena Radwanska -- Department of Environmental Technology, Food Technology and Molecular Biotechnology	4		2	A:2	120
20	O000092	Organic Chemistry 2: Advanced Reactivity Di Wu -- Department of Environmental Technology, Food Technology and Molecular Biotechnology	5		2	A:2	150
21	O000094	Physics 4: Optics and Physical and Chemical Thermodynamics Serge Zhuiykov -- Department of Environmental Technology, Food Technology and Molecular Biotechnology	5		2	A:2	150
22	O000088	Mathematics 3: Differential Equations Shodhan Rao -- Department of Environmental Technology, Food Technology and Molecular Biotechnology	5		2	A:2	150

23	O000161	Environmental Chemistry and Technology: Concepts and Methods Jihae Park -- Department of Environmental Technology, Food Technology and Molecular Biotechnology	4	2		A:2	120
24	O000159	Modern Aspects of Food Sam Van Haute -- Department of Environmental Technology, Food Technology and Molecular Biotechnology	4	2		A:2	120
25	O000160	Molecular Biology: Concepts and Methods Magdalena Radwanska -- Department of Environmental Technology, Food Technology and Molecular Biotechnology	4	2		A:2	120

2 General Courses 115 credits

The courses programmed in the 1st semester of the 4th bachelor's year are to be taken at the home campus of Ghent University.

Nr	Course		CRDT	Ref	MT1	Session	Study
1	O000140	Process Engineering Philippe Heynderickx -- Department of Environmental Technology, Food Technology and Molecular Biotechnology	5		3	A:1	150
2	O000141	Process Modelling and Control Shodhan Rao -- Department of Environmental Technology, Food Technology and Molecular Biotechnology	5		3	A:1	150
3	O000100	Process Technology Frederik Ronsse -- Department of Green Chemistry and Technology	5		3	A:1	150
4	O000103	Food Chemistry Mahta Mirzaei -- Department of Food Technology, Safety and Health	5		3	A:1	150
5	O000104	Food Technology Sam Van Haute -- Department of Environmental Technology, Food Technology and Molecular Biotechnology	5		3	A:1	150
6	O000189	Probability and Statistics Joris Vankerschaver -- Department of Environmental Technology, Food Technology and Molecular Biotechnology	5		3	A:1	150
7	O000162	Scientific Research Writing Jonathan Ozelton -- Department of Environmental Technology, Food Technology and Molecular Biotechnology	5		3	B:2, A:J	150
8	O000024	Economics and Marketing Christine Yung Hung -- Department of Agricultural Economics	5		3	A:2	150
9	O000190	Introduction to Statistical Modelling Joris Vankerschaver -- Department of Environmental Technology, Food Technology and Molecular Biotechnology	5		3	A:2	150
10	O000168	Experimental Food Biochemistry Mahta Mirzaei -- Department of Environmental Technology, Food Technology and Molecular Biotechnology	5		3	A:2	150
11	O000152	Food Microbiology and Preservation Sam Van Haute -- Department of Environmental Technology, Food Technology and Molecular Biotechnology	5		3	A:2	150
12	O000169	Technology of Plant-Based Products Mahta Mirzaei -- Department of Environmental Technology, Food Technology and Molecular Biotechnology	5		3	A:2	150
13	I002853	Research-to-Business Case Studies Erik Meers -- Department of Green Chemistry and Technology	5		4	A:1	125
14	I002777	Human Nutrition John Van Camp -- Department of Food Technology, Safety and Health	5		4	A:1	150
15	I002758	Food Marketing and Consumer Behaviour Wim Verbeke -- Department of Agricultural Economics	4		4	B:1	120
16	I002415	Food Safety and Risk Analysis Liesbeth Jacxsens -- Department of Food Technology, Safety and Health	5		4	A:1	125
17	I002764	Milk and Dairy Technology Koen Dewettinck -- Department of Food Technology, Safety and Health	4		4	A:1	120
18	I002755	Meat Science and Technology Stefaan De Smet -- Department of Animal Sciences and Aquatic Ecology	4		4	A:1	120
19	I001084	Technology of Fishery Products Frank Devlieghere -- Department of Food Technology, Safety and Health	3		4	A:1	75
20	O000163	Management, Entrepreneurship and Intellectual Property Benedikt Sas -- Department of Food Technology, Safety and Health	4		4	A:2	108
21	O000144	Food Legislation Yoonsung Park -- Department of Environmental Technology, Food Technology and Molecular Biotechnology	3		4	A:2	75
22	O000149	Quality Management Systems in Agro-food Chain Liesbeth Jacxsens -- Department of Food Technology, Safety and Health	3		4	A:2	90
23	O000164	Company Visits and Seminars Michael Dunne -- Department of Environmental Technology, Food Technology and Molecular Biotechnology	3		4	A:2	90
24	O000165	Bachelor's Project Michael Dunne -- Department of Environmental Technology, Food Technology and Molecular Biotechnology	12		4	A:J	360

3 Elective Courses — 5 credits

Subscribe to 5 credit units from one of the modules from the following list.
Subject to approval by the Curriculum Committee.

3.1 Personal Professional Development — 5 credits

Subscribe to 5 credit units from the following list.

Nr	Course		CRDT	Ref	MT1	Session	Study
1	O000166	Personal Professional Development Michael Dunne -- Department of Environmental Technology, Food Technology and Molecular Biotechnology	5		4	A:2	135
2	O000191	Intercultural Communication: Concepts and Skills Mara Santi -- Department of Literary Studies	3		4	A:2	90
3	O000192	Intercultural Communication: Leadership and Professional Competencies Mara Santi -- Department of Literary Studies	3		4	A:2	75

3.2 Course offer GUGC-UGent — 5 credits

Subscribe to no more than 5 credit units from the following list.
The letter in the "Ref" column indicates in which programme the course can be taken as elective (E = Environmental Technology; F = Food Technology; M = Molecular Biotechnology; ALL = all programmes).

Nr	Course		CRDT	Ref	MT1	Session	Study
1	O000168	Experimental Food Biochemistry Mahta Mirzaei -- Department of Environmental Technology, Food Technology and Molecular Biotechnology	5	E,M	4	A:2	150
2	O000152	Food Microbiology and Preservation Sam Van Haute -- Department of Environmental Technology, Food Technology and Molecular Biotechnology	5	E,M	4	A:2	150
3	O000180	Bioinformatics 2 Zhen Li -- Department of Plant Biotechnology and Bioinformatics	5	E,F	4	A:2	150
4	O000050	Immunology Magdalena Radwanska -- Department of Molecular Biology	5	E,F	4	A:1	150
5	O000111	Plant Physiology	5	E,F	4	A:2	125

3.3 Course offer Incheon Global Campus Universities — 5 credits

Subscribe to 5 credit units from courses offered at the partner universities at Incheon Global Campus.

Subject to approval by the Curriculum Committee.

3.4 Course offer Korean Partner Universities — 5 credits

Subscribe to 5 credit units from courses offered at Korean partner universities.

Subject to approval by the Curriculum Committee.

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 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