

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 11

## 1 General Courses 120 credits

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

21	O000094	Physics 4: Optics and Physical and Chemical Thermodynamics	5	2	A:2	150
		<i>Serge Zhuiykov -- Department of Environmental Technology, Food Technology and Molecular Biotechnology</i>				
22	O000088	Mathematics 3: Differential Equations	5	2	A:2	150
		<i>Shodhan Rao -- Department of Environmental Technology, Food Technology and Molecular Biotechnology</i>				
23	O000161	Environmental Chemistry and Technology: Concepts and Methods	4	2	A:2	120
		<i>Jihae Park -- Department of Environmental Technology, Food Technology and Molecular Biotechnology</i>				
24	O000159	Modern Aspects of Food	4	2	A:2	120
		<i>Sam Van Haute -- Department of Environmental Technology, Food Technology and Molecular Biotechnology</i>				
25	O000160	Molecular Biology: Concepts and Methods	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	5		3	A:1	150
	<i>Philippe Heynderickx -- Department of Environmental Technology, Food Technology and Molecular Biotechnology</i>					
2	O000141 Process Modelling and Control	5		3	A:1	150
	<i>Shodhan Rao -- Department of Environmental Technology, Food Technology and Molecular Biotechnology</i>					
3	O000100 Process Technology	5		3	A:1	150
	<i>Frederik Ronsse -- Department of Green Chemistry and Technology</i>					
4	O000103 Food Chemistry	5		3	A:1	150
	<i>Mahta Mirzaei -- Department of Environmental Technology, Food Technology and Molecular Biotechnology</i>					
5	O000104 Food Technology	5		3	A:1	150
	<i>Sam Van Haute -- Department of Environmental Technology, Food Technology and Molecular Biotechnology</i>					
6	O000189 Probability and Statistics	5		3	A:1	150
	<i>Joris Vankerschaver -- Department of Environmental Technology, Food Technology and Molecular Biotechnology</i>					
7	O000162 Scientific Research Writing	5		3	A:J	150
	<i>Jonathan Ozelton -- Department of Environmental Technology, Food Technology and Molecular Biotechnology</i>					
8	O000024 Economics and Marketing	5		3	A:2	150
	<i>Christine Yung Hung -- Department of Agricultural Economics</i>					
9	O000190 Introduction to Statistical Modelling	5		3	A:2	150
	<i>Joris Vankerschaver -- Department of Environmental Technology, Food Technology and Molecular Biotechnology</i>					
10	O000168 Experimental Food Biochemistry	5		3	A:2	150
	<i>Mahta Mirzaei -- Department of Environmental Technology, Food Technology and Molecular Biotechnology</i>					
11	O000152 Food Microbiology and Preservation	5		3	A:2	150
	<i>Sam Van Haute -- Department of Environmental Technology, Food Technology and Molecular Biotechnology</i>					
12	O000169 Technology of Plant-Based Products	5		3	A:2	150
	<i>Mahta Mirzaei -- Department of Environmental Technology, Food Technology and Molecular Biotechnology</i>					
13	I002853 Research-to-Business Case Studies	5		4	A:1	125
	<i>Erik Meers -- Department of Green Chemistry and Technology</i>					
14	I003056 Human Nutrition and Health	5		4	A:1	150
	<i>John Van Camp -- Department of Food Technology, Safety and Health</i>					
15	I002758 Food Marketing and Consumer Behaviour	4		4	B:1	120
	<i>Wim Verbeke -- Department of Agricultural Economics</i>					
16	I002415 Food Safety and Risk Analysis	5		4	A:1	125
	<i>Liesbeth Jacxsens -- Department of Food Technology, Safety and Health</i>					
17	I002764 Milk and Dairy Technology	4		4	A:1	120
	<i>Koen Dewettinck -- Department of Food Technology, Safety and Health</i>					
18	I002755 Meat Science and Technology	4		4	A:1	120
	<i>Stefaan De Smet -- Department of Animal Sciences and Aquatic Ecology</i>					
19	I001084 Technology of Fishery Products	3		4	A:1	75
	<i>Frank Devlieghere -- Department of Food Technology, Safety and Health</i>					
20	O000163 Management, Entrepreneurship and Intellectual Property	4		4	A:2	108
	<i>Benedikt Sas -- Department of Food Technology, Safety and Health</i>					
21	O000144 Food Legislation	3		4	A:2	75
	<i>Chang Won Park -- Department of Environmental Technology, Food Technology and Molecular Biotechnology</i>					
22	O000149 Quality Management Systems in Agro-food Chain	3		4	A:2	90
	<i>Liesbeth Jacxsens -- Department of Food Technology, Safety and Health</i>					

23	O000164	Company Visits and Seminars <i>Michael Dunne -- Department of Environmental Technology, Food Technology and Molecular Biotechnology</i>	3	4	A:2	90
24	O000165	Bachelor's Project <i>Michael Dunne -- Department of Environmental Technology, Food Technology and Molecular Biotechnology</i>	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 <i>Michael Dunne -- Department of Environmental Technology, Food Technology and Molecular Biotechnology</i>	5		4	A:2	135
2	O000191 Intercultural Communication: Concepts and Skills <i>Mara Santi -- Department of Literary Studies</i>	3		4	A:2	90
3	O000192 Intercultural Communication: Leadership and Professional Competencies <i>Mara Santi -- Department of Literary Studies</i>	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 <i>Mahta Mirzaei -- Department of Environmental Technology, Food Technology and Molecular Biotechnology</i>	5	E,M	4	A:2	150
2	O000152 Food Microbiology and Preservation <i>Sam Van Haute -- Department of Environmental Technology, Food Technology and Molecular Biotechnology</i>	5	E,M	4	A:2	150
3	O000180 Bioinformatics 2 <i>Zhen Li -- Department of Plant Biotechnology and Bioinformatics</i>	5	E,F	4	A:2	150
4	O000050 Immunology <i>Seyeon Park -- Department of Environmental Technology, Food Technology and Molecular Biotechnology</i>	5	E,F	4	A:1	150
5	O000111 Plant Physiology <i>Dong Hye Seo -- Department of Environmental Technology, Food Technology and Molecular Biotechnology</i>	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 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