

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 8

## 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 Soebiako Loekman -- Department of Environmental Technology, Food Technology and Molecular Biotechnology	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	A:2, B:1	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 Soebiako Loekman -- Department of Environmental Technology, Food Technology and Molecular Biotechnology	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 Stephen Depuydt -- Department of Plant Biotechnology and Bioinformatics	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 Stefan Magez -- Department of Environmental Technology, Food Technology and Molecular Biotechnology	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

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 Tanja Cirkovic Velickovic -- Department of Environmental Technology, Food Technology and Molecular Biotechnology	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	A:J, B:2	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

### 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 5.0 credits

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

#### 3.2 Course offer GUGC-UGent 5.0 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	O000167 Reflection on Sustainable Development	5	ALL	4	A:2	125
5	O000050 Immunology Stefan Magez -- Department of Environmental Technology, Food Technology and Molecular Biotechnology	5	E,F	4	A:1	150
6	O000111 Plant Physiology Jonas De Saeger -- Department of Plant Biotechnology and Bioinformatics	5	E,F	4	A:2	125

#### 3.3 Course offer Incheon Global Campus Universities 5.0 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 5.0 credits

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

Subject to approval by the Curriculum Committee.

#### Teaching languages

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: 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 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 2023-2024	f: annually, from 2024-2025	i: annually, from 2025-2026
b: tri-annually	d: bi-annually, from 2023-2024	g: bi-annually, from 2024-2025	j: bi-annually, from 2025-2026
	e: tri-annually, from 2023-2024	h: tri-annually, from 2024-2025	k: tri-annually, from 2025-2026