

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 7

1 General Courses 120 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	O000132 English for Academic Studies 1 <i>Jonathan Ozeltan -- 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>Yoon-Seok Chang -- Department of Environmental Technology, Food Technology and Molecular Biotechnology</i>	5		1	A:1	150
4	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
5	O000087 Inorganic Chemistry 2: Reactivity of Matter <i>Antonio Rizzo -- Department of Environmental Technology, Food Technology and Molecular Biotechnology</i>	5		1	A:2	150
6	O000155 Introduction to Biochemistry: Biomolecules <i>Sam Van Haute -- Department of Environmental Technology, Food Technology and Molecular Biotechnology</i>	5		1	A:2	150
7	O000095 Mathematics 1: Engineering Mathematics <i>Shodhan Rao -- Department of Environmental Technology, Food Technology and Molecular Biotechnology</i>	10		1	A:J	300
8	O000134 Physics 1 and 2: Mechanics, Vibration, Waves and Thermodynamics <i>Soebiakto Loekman -- Department of Environmental Technology, Food Technology and Molecular Biotechnology</i>	10		1	A:J	300
9	O000096 Informatics <i>Wesley De Neve -- Department of Environmental Technology, Food Technology and Molecular Biotechnology</i>	10		1	A:J	300
10	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
11	O000136 Chemical Analytical Methods <i>Tanja Cirkovic Velickovic -- Department of Environmental Technology, Food Technology and Molecular Biotechnology</i>	4		2	A:1	120
12	O000137 Plant Biology <i>Stephen Depuydt -- Department of Plant Biotechnology and Bioinformatics</i>	3		2	A:1	90
13	O000138 Animal Biology <i>Magdalena Radwanska -- Department of Environmental Technology, Food Technology and Molecular Biotechnology</i>	3		2	A:1	75
14	O000156 Biochemistry: Metabolism <i>Stefan Magez -- Department of Environmental Technology, Food Technology and Molecular Biotechnology</i>	4		2	A:1	120
15	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
16	O000091 Physics 3: Electricity and Magnetism <i>Serge Zhuiykov -- Department of Environmental Technology, Food Technology and Molecular Biotechnology</i>	5		2	A:1	150
17	O000157 Microbiology <i>Magdalena Radwanska -- Department of Environmental Technology, Food Technology and Molecular Biotechnology</i>	4		2	A:2	120
18	O000092 Organic Chemistry 2: Advanced Reactivity <i>Di Wu -- Department of Environmental Technology, Food Technology and Molecular Biotechnology</i>	5		2	A:2	150
19	O000094 Physics 4: Optics and Physical and Chemical Thermodynamics <i>Serge Zhuiykov -- Department of Environmental Technology, Food Technology and Molecular Biotechnology</i>	5		2	A:2	150
20	O000088 Mathematics 3: Differential Equations <i>Shodhan Rao -- Department of Environmental Technology, Food Technology and Molecular Biotechnology</i>	5		2	A:2	150

21	O000161	Environmental Chemistry and Technology: Concepts and Methods <i>Philippe Heynderickx -- Department of Environmental Technology, Food Technology and Molecular Biotechnology</i>	4	2	A:2	120
22	O000159	Modern Aspects of Food <i>Sam Van Haute -- Department of Environmental Technology, Food Technology and Molecular Biotechnology</i>	4	2	A:2	120
23	O000160	Molecular Biology: Concepts and Methods <i>Magdalena Radwanska -- Department of Environmental Technology, Food Technology and Molecular Biotechnology</i>	4	2	A:2	120

2 General Courses 115 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	O000140 Process Engineering <i>Philippe Heynderickx -- Department of Environmental Technology, Food Technology and Molecular Biotechnology</i>	5		3	A:1	150
2	O000141 Process Modelling and Control <i>Shodhan Rao -- Department of Environmental Technology, Food Technology and Molecular Biotechnology</i>	5		3	A:1	150
3	O000100 Process Technology <i>Frederik Ronsse -- Department of Green Chemistry and Technology</i>	5		3	A:1	150
4	O000103 Food Chemistry <i>Tanja Cirkovic Velickovic -- Department of Environmental Technology, Food Technology and Molecular Biotechnology</i>	5		3	A:1	150
5	O000104 Food Technology <i>Sam Van Haute -- Department of Environmental Technology, Food Technology and Molecular Biotechnology</i>	5		3	A:1	150
6	O000139 Probability and Statistics <i>Joris Vankerschaver -- Department of Environmental Technology, Food Technology and Molecular Biotechnology</i>	10		3	A:J	250
7	O000162 Scientific Research Writing <i>Michael Dunne -- Department of Environmental Technology, Food Technology and Molecular Biotechnology</i>	5		3	B:2, A:J	150
8	O000024 Economics and Marketing <i>Christine Yung Hung -- Department of Agricultural Economics</i>	5		3	A:2	150
9	O000168 Experimental Food Biochemistry <i>Tanja Cirkovic Velickovic -- Department of Food Technology, Safety and Health</i>	5		3	A:2	150
10	O000152 Food Microbiology and Preservation <i>Mieke Uyttendaele -- Department of Food Technology, Safety and Health</i>	5		3	A:2	150
11	O000169 Technology of Plant-Based Products <i>Mahta Mirzaei -- Department of Environmental Technology, Food Technology and Molecular Biotechnology</i>	5		3	A:2	150
12	I002853 Research-to-Business Case Studies <i>Erik Meers -- Department of Green Chemistry and Technology</i>	5		4	A:1	125
13	I002777 Human Nutrition <i>John Van Camp -- Department of Food Technology, Safety and Health</i>	5		4	A:1	150
14	I002758 Food Marketing and Consumer Behaviour <i>Wim Verbeke -- Department of Agricultural Economics</i>	4		4	B:1	120
15	I002415 Food Safety and Risk Analysis <i>Liesbeth Jaxsens -- Department of Food Technology, Safety and Health</i>	5		4	A:1	125
16	I002764 Milk and Dairy Technology <i>Koen Dewettinck -- Department of Food Technology, Safety and Health</i>	4		4	A:1	120
17	I002755 Meat Science and Technology <i>Stefaan De Smet -- Department of Animal Sciences and Aquatic Ecology</i>	4		4	A:1	120
18	I001084 Technology of Fishery Products <i>Frank Devlieghere -- Department of Food Technology, Safety and Health</i>	3		4	A:1	75
19	O000163 Management, Entrepreneurship and Intellectual Property <i>Benedikt Sas -- Department of Food Technology, Safety and Health</i>	4		4	A:2	108
20	O000144 Food Legislation <i>Yoonsung Park -- Department of Environmental Technology, Food Technology and Molecular Biotechnology</i>	3		4	A:2	75
21	O000149 Quality Management Systems in Agro-food Chain <i>Liesbeth Jaxsens -- Department of Food Technology, Safety and Health</i>	3		4	A:2	90
22	O000164 Company Visits and Seminars <i>Michael Dunne -- Department of Environmental Technology, Food Technology and Molecular Biotechnology</i>	3		4	(A:2) ^c	90
23	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

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

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>Tanja Cirkovic Velickovic -- Department of Food Technology, Safety and Health</i>	5	E,M	4	A:2	150
2	O000152 Food Microbiology and Preservation <i>Mieke Uyttendaele -- Department of Food Technology, Safety and Health</i>	5	E,M	4	A:2	150
3	O000167 Reflection on Sustainable Development <i>Stephen Depuydt -- Department of Plant Biotechnology and Bioinformatics</i>	5	ALL	4	A:2	125
4	O000050 Immunology <i>Stefan Magez -- Department of Environmental Technology, Food Technology and Molecular Biotechnology</i>	5	E,F	4	A:1	150
5	O000111 Plant Physiology <i>Stephen Depuydt -- Department of Plant Biotechnology and Bioinformatics</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 2022-2023	f: annually, from 2023-2024	i: annually, from 2024-2025
b: tri-annually	d: bi-annually, from 2022-2023	g: bi-annually, from 2023-2024	j: bi-annually, from 2024-2025
	e: tri-annually, from 2022-2023	h: tri-annually, from 2023-2024	k: tri-annually, from 2024-2025