

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 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 Yoon-Seok Chang -- Department of Environmental Technology, Food Technology and Molecular Biotechnology | 5 | | 1 | A:1 | 150 |
| 4 | O000131 English for Academic Studies 2 Michael Dunne -- Department of Environmental Technology, Food Technology and Molecular Biotechnology | 5 | | 1 | B:1, A:2 | 150 |
| 5 | O000087 Inorganic Chemistry 2: Reactivity of Matter Antonio Rizzo -- Department of Environmental Technology, Food Technology and Molecular Biotechnology | 5 | | 1 | A:2 | 150 |
| 6 | O000155 Introduction to Biochemistry: Biomolecules Sam Van Haute -- Department of Environmental Technology, Food Technology and Molecular Biotechnology | 5 | | 1 | A:2 | 150 |
| 7 | O000095 Mathematics 1: Engineering Mathematics Shodhan Rao -- Department of Environmental Technology, Food Technology and Molecular Biotechnology | 10 | | 1 | A:J | 300 |
| 8 | O000134 Physics 1 and 2: Mechanics, Vibration, Waves and Thermodynamics Soebiako Loekman -- Department of Environmental Technology, Food Technology and Molecular Biotechnology | 10 | | 1 | A:J | 300 |
| 9 | O000096 Informatics Wesley De Neve -- Department of Environmental Technology, Food Technology and Molecular Biotechnology | 10 | | 1 | A:J | 300 |
| 10 | O000082 Organic Chemistry 1: Structure and Reactivity Di Wu -- Department of Environmental Technology, Food Technology and Molecular Biotechnology | 5 | | 2 | A:1 | 150 |
| 11 | O000136 Chemical Analytical Methods Tanja Cirkovic Velickovic -- Department of Environmental Technology, Food Technology and Molecular Biotechnology | 4 | | 2 | A:1 | 120 |
| 12 | O000137 Plant Biology Stephen Depuydt -- Department of Plant Biotechnology and Bioinformatics | 3 | | 2 | A:1 | 90 |
| 13 | O000138 Animal Biology Magdalena Radwanska -- Department of Environmental Technology, Food Technology and Molecular Biotechnology | 3 | | 2 | A:1 | 75 |
| 14 | O000156 Biochemistry: Metabolism Stefan Magez -- Department of Environmental Technology, Food Technology and Molecular Biotechnology | 4 | | 2 | A:1 | 120 |
| 15 | O000083 Mathematics 2: Multivariable Calculus and Geometry Shodhan Rao -- Department of Environmental Technology, Food Technology and Molecular Biotechnology | 5 | | 2 | A:1 | 150 |
| 16 | O000091 Physics 3: Electricity and Magnetism Serge Zhuiykov -- Department of Environmental Technology, Food Technology and Molecular Biotechnology | 5 | | 2 | A:1 | 150 |
| 17 | O000157 Microbiology Magdalena Radwanska -- Department of Environmental Technology, Food Technology and Molecular Biotechnology | 4 | | 2 | A:2 | 120 |
| 18 | O000092 Organic Chemistry 2: Advanced Reactivity Di Wu -- Department of Environmental Technology, Food Technology and Molecular Biotechnology | 5 | | 2 | A:2 | 150 |
| 19 | 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 |
| 20 | O000088 Mathematics 3: Differential Equations Shodhan Rao -- Department of Environmental Technology, Food Technology and Molecular Biotechnology | 5 | | 2 | A:2 | 150 |
| 21 | O000161 Environmental Chemistry and Technology: Concepts and Methods Philippe Heynderickx -- Department of Environmental Technology, Food Technology and Molecular Biotechnology | 4 | | 2 | A:2 | 120 |

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|----|---------|---|---|---|-----|-----|
| 22 | O000159 | Modern Aspects of Food Sam Van Haute -- Department of Environmental Technology, Food Technology and Molecular Biotechnology | 4 | 2 | A:2 | 120 |
| 23 | 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 | O000139 Probability and Statistics Joris Vankerschaver -- Department of Environmental Technology, Food Technology and Molecular Biotechnology | 10 | | 3 | A:J | 250 |
| 7 | O000162 Scientific Research Writing Michael Dunne -- 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 | O000168 Experimental Food Biochemistry Tanja Cirkovic Velickovic -- Department of Food Technology, Safety and Health | 5 | | 3 | A:2 | 150 |
| 10 | O000152 Food Microbiology and Preservation Mieke Uyttendaele -- Department of Food Technology, Safety and Health | 5 | | 3 | A:2 | 150 |
| 11 | O000169 Technology of Plant-Based Products Mahta Mirzaei -- Department of Environmental Technology, Food Technology and Molecular Biotechnology | 5 | | 3 | A:2 | 150 |
| 12 | I002853 Research-to-Business Case Studies Erik Meers -- Department of Green Chemistry and Technology | 5 | | 4 | A:1 | 125 |
| 13 | I002777 Human Nutrition John Van Camp -- Department of Food Technology, Safety and Health | 5 | | 4 | A:1 | 150 |
| 14 | I002758 Food Marketing and Consumer Behaviour Wim Verbeke -- Department of Agricultural Economics | 4 | | 4 | B:1 | 120 |
| 15 | I002415 Food Safety and Risk Analysis Liesbeth Jacxsens -- Department of Food Technology, Safety and Health | 5 | | 4 | A:1 | 125 |
| 16 | I002764 Milk and Dairy Technology Koen Dewettinck -- Department of Food Technology, Safety and Health | 4 | | 4 | A:1 | 120 |
| 17 | I002755 Meat Science and Technology Stefaan De Smet -- Department of Animal Sciences and Aquatic Ecology | 4 | | 4 | A:1 | 120 |
| 18 | I001084 Technology of Fishery Products Frank Devlieghere -- Department of Food Technology, Safety and Health | 3 | | 4 | A:1 | 75 |
| 19 | O000163 Management, Entrepreneurship and Intellectual Property Benedikt Sas -- Department of Food Technology, Safety and Health | 4 | | 4 | A:2 | 108 |
| 20 | O000144 Food Legislation Yoonsung Park -- Department of Environmental Technology, Food Technology and Molecular Biotechnology | 3 | | 4 | A:2 | 75 |
| 21 | O000149 Quality Management Systems in Agro-food Chain Liesbeth Jacxsens -- Department of Food Technology, Safety and Health | 3 | | 4 | A:2 | 90 |
| 22 | O000164 Company Visits and Seminars Michael Dunne -- Department of Environmental Technology, Food Technology and Molecular Biotechnology | 3 | | 4 | (A:2) ^c | 90 |
| 23 | 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

| 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 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 Tanja Cirkovic Velickovic -- Department of Food Technology, Safety and Health | 5 | E,M | 4 | A:2 | 150 |
| 2 | O000152 Food Microbiology and Preservation Mieke Uyttendaele -- Department of Food Technology, Safety and Health | 5 | E,M | 4 | A:2 | 150 |
| 3 | O000167 Reflection on Sustainable Development Stephen Depuydt -- Department of Plant Biotechnology and Bioinformatics | 5 | ALL | 4 | A:2 | 125 |
| 4 | O000050 Immunology Stefan Magez -- Department of Environmental Technology, Food Technology and Molecular Biotechnology | 5 | E,F | 4 | A:1 | 150 |
| 5 | O000111 Plant Physiology Stephen Depuydt -- Department of Plant Biotechnology and Bioinformatics | 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 |