

Global Campus Zuid-Korea, Faculteit Wetenschappen, Faculteit Bio-ingenieurswetenschappen

Bachelor of Science in Molecular Biotechnology

Campus: Incheon

Onderwijstaal: Engels

Programmaversie 10

1 Algemene opleidingsonderdelen 120 studiepunten

Nr	Cursus	SP	Ref	MT1	Sessie	Studie
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>Magdalena Radwanska -- Department of Environmental Technology, Food Technology and Molecular Biotechnology</i>	3		2	A:1	75
16	O000156 Biochemistry: Metabolism <i>Dongik 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 Zhuikov -- Department of Environmental Technology, Food Technology and Molecular Biotechnology</i>	5		2	A:1	150
19	O000157 Microbiology <i>Magdalena Radwanska -- 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 <i>Serge Zhuikov -- Department of Environmental Technology, Food Technology and Molecular Biotechnology</i>	5	2	A:2	150
22	O000088	Mathematics 3: Differential Equations <i>Shodhan Rao -- Department of Environmental Technology, Food Technology and Molecular Biotechnology</i>	5	2	A:2	150
23	O000161	Environmental Chemistry and Technology: Concepts and Methods <i>Jihae Park -- Department of Environmental Technology, Food Technology and Molecular Biotechnology</i>	4	2	A:2	120
24	O000159	Modern Aspects of Food <i>Sam Van Haute -- Department of Environmental Technology, Food Technology and Molecular Biotechnology</i>	4	2	A:2	120
25	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 Algemene opleidingsonderdelen

110 studiepunten

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	Cursus	SP	Ref	MT1	Sessie	Studie
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	O000050 Immunology <i>Magdalena Radwanska -- Department of Environmental Technology, Food Technology and Molecular Biotechnology</i>	5		3	A:1	150
4	O000178 Bioinformatics 1 <i>Wesley De Neve -- Department of Environmental Technology, Food Technology and Molecular Biotechnology</i>	5		3	A:1	150
5	O000179 Molecular Biology: Advanced Topics in Eukaryotes <i>Hoo Sun Chung -- Department of Environmental Technology, Food Technology and Molecular Biotechnology</i>	6		3	A:1	150
6	O000189 Probability and Statistics <i>Joris Vankerschaver -- Department of Environmental Technology, Food Technology and Molecular Biotechnology</i>	5		3	A:1	150
7	O000162 Scientific Research Writing <i>Jonathan Ozelton -- Department of Environmental Technology, Food Technology and Molecular Biotechnology</i>	5		3	B:2, A:J	150
8	O000180 Bioinformatics 2 <i>Zhen Li -- Vakgroep Plantenbiotechnologie en Bio-informatica</i>	5		3	A:2	150
9	O000024 Economics and Marketing <i>Christine Yung Hung -- Vakgroep Landbouweconomie</i>	5		3	A:2	150
10	O000190 Introduction to Statistical Modelling <i>Joris Vankerschaver -- Department of Environmental Technology, Food Technology and Molecular Biotechnology</i>	5		3	A:2	150
11	O000181 Molecular Genetics <i>H��lo��se Bastiaanse -- Vakgroep Plantenbiotechnologie en Bio-informatica</i>	3		3	A:2	90
12	O000182 Plant Physiology <i>Dong Hye Seo -- Department of Environmental Technology, Food Technology and Molecular Biotechnology</i>	3		3	A:2	90
13	O000183 Integrated Practicum 1: Plant Genetics and Physiology <i>Dong Hye Seo -- Vakgroep Plantenbiotechnologie en Bio-informatica</i>	3		3	A:2	75
14	C004085 Analytical Biochemistry <i>Els Van Damme -- Vakgroep Biotechnologie</i>	5		4	A:1	150
15	C004086 Biomedical Physiology <i>Dirk de Graaf -- Vakgroep Biochemie en Microbiologie</i>	5		4	A:1	150
16	I002852 Industrial Biotechnology <i>Inge Van Bogaert -- Vakgroep Biotechnologie</i>	4		4	A:1	120
17	C004396 Gene Technology <i>Geert Berx -- Vakgroep Biomedische Moleculaire Biologie</i>	4		4	A:1	120
18	C004397 Integrated Practicum 2: Gene Technology in Practice <i>Xavier Saelens -- Vakgroep Biochemie en Microbiologie</i>	3		4	A:1	75
19	C002865 Bioethiek <i>Michiel De Proost -- Vakgroep Wijsbegeerte en Moraalwetenschap</i>	3		4	B:1	80
20	O000163 Management, Entrepreneurship and Intellectual Property <i>Benedikt Sas -- Vakgroep Levensmiddelentechnologie, Voedselveiligheid en Gezondheid</i>	4		4	A:2	108
21	O000145 Plant Biotechnology <i>Laurens Pauwels -- Vakgroep Biotechnologie</i>	4		4	A:2	108
22	O000184 Medical Biotechnology <i>Jens Staal -- Vakgroep Biochemie en Microbiologie</i>	3		4	A:2	90

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 Keuzeopleidingsonderdelen

10 studiepunten

3.1 Programmaspecifieke keuzevakken

5 studiepunten

Op te nemen: 5 studiepunten te selecteren uit de onderstaande lijst.

Nr	Cursus	SP	Ref	MT1	Sessie	Studie
1	C004096 Moleculaire celbiologie <i>Roosmarijn Vandenbroucke -- Vakgroep Biomedische Moleculaire Biologie</i>	5		4	A:1	130
2	I002853 Research-to-Business Case Studies <i>Erik Meers -- Vakgroep Groene Chemie en Technologie</i>	5		4	A:1	125

3.2 Keuzeopleidingsonderdelen

5 studiepunten

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

3.2.1 Personal Professional Development

5 studiepunten

Subscribe to 5 credit units from the following list.

Nr	Cursus	SP	Ref	MT1	Sessie	Studie
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 -- Vakgroep Letterkunde</i>	3		4	A:2	90
3	O000192 Intercultural Communication: Leadership and Professional Competencies <i>Mara Santi -- Vakgroep Letterkunde</i>	3		4	A:2	75

3.2.2 Opleidingsaanbod GUGC-UGent

5 studiepunten

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	Cursus	SP	Ref	MT1	Sessie	Studie
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 -- Vakgroep Plantenbiotechnologie en Bio-informatica</i>	5	E,F	4	A:2	150
4	O000050 Immunology <i>Magdalena Radwanska -- 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

3.2.3 Opleidingsaanbod IGC universiteiten

5 studiepunten

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

Subject to approval by the Curriculum Committee.

3.2.4 Opleidingsaanbod Koreaanse partneruniversiteiten

5 studiepunten

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

Subject to approval by the Curriculum Committee.

Onderwijstalen

Wanneer een cursus niet (enkel) gedoceerd wordt in de onderwijstaal van het programma, worden de werkelijk gebruikte talen aangegeven tussen haakjes na de cursusnaam, met de volgende betekenis:

bg: Bulgaars	de: Duits	es: Spaans	ja: Japans	pl: Pools	sh: Kroatisch/Servisch	zh: Chinees
cs: Tsjechisch	el: Grieks	fr: Frans	nl: Nederlands	pt: Portugees	sl: Sloveens	
da: Deens	en: Engels	it: Italiaans	no: Noors	ru: Russisch	sv: Zweeds	

Semesterinformatie

Semesters worden aangegeven door hun nummer (1 of 2); semester 3 stelt de zomerperiode voor.

Wanneer een semesternummer wordt voorafgegaan wordt door een letter, geeft dit aan dat de cursus aangeboden wordt in meerdere sessies. De letter stelt dan de betrokken sessie voor.

Wanneer een semesternummer tussen haakjes wordt getoond betekent dit dat de cursus dit academiejaar niet aangeboden wordt in de betrokken aanbodsessie. De aanbodfrequentie en het eerstvolgende aanbod worden aangegeven door de onderstaande codes:

a: tweejaarlijks	c: jaarlijks, vanaf 2025-2026	f: jaarlijks, vanaf 2026-2027	i: jaarlijks, vanaf 2027-2028
b: driejaarlijks	d: tweejaarlijks, vanaf 2025-2026	g: tweejaarlijks, vanaf 2026-2027	j: tweejaarlijks, vanaf 2027-2028
	e: driejaarlijks, vanaf 2025-2026	h: driejaarlijks, vanaf 2026-2027	k: driejaarlijks, vanaf 2027-2028