

Faculty of Medicine and Health Sciences  
Master of Science in Biomedical Sciences

Language of instruction: English  
Programme version 6

## 1 General Courses 27 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	D013626 Laboratory Quality Management and Assurance <i>Peter Van Eenoo -- Department of Diagnostic Sciences</i> <a href="#">Indicative price: € 0</a>	3		1	A:1	75
2	D012176 Bio-Ethics in Experimental Medicine <i>Katya De Groot -- Department of Internal Medicine and Pediatrics</i> <a href="#">Indicative price: € 0</a>	3		1	A:1	75
3	A003107 Advanced Academic English <i>Geert Jacobs -- Department of Linguistics</i> <a href="#">Indicative price: € 0</a>	3	UKV	1	A:1	90
4	D012528 Cell and Gene Therapy <i>Bart Vandekerckhove -- Department of Diagnostic Sciences</i> <a href="#">Indicative price: unknown</a>	4		1	A:1	120
5	D013628 Large Scale Analysis of Biomedical Data <i>Katleen De Preter -- Department of Biomolecular Medicine</i> <a href="#">Indicative price: unknown</a>	4		1	A:1	100
6	D012527 Good Clinical Practice - Clinical studies <i>Sylvie Rottey -- Department of Basic and Applied Medical Sciences</i> <a href="#">Indicative price: € 0</a>	3		1	A:2	90
7	D013627 Research Proposal Biomedical Sciences <i>Philip Meuleman -- Department of Diagnostic Sciences</i> <a href="#">Indicative price: unknown</a>	4		1	A:2	120
8	D012514 Medical Seminars <i>Tania Maes -- Department of Internal Medicine and Pediatrics</i> <a href="#">Indicative price: € 0</a>	3		2	A:J	75

## 2 Majors 26 credits

### 2.1 Major Nutrition and Metabolism 26 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	D012497 Methodology of Nutritional Research <i>Bruno Lapauw -- Department of Internal Medicine and Pediatrics</i> <a href="#">Indicative price: € 0</a>	5		1	A:1	150
2	D012498 Human Nutrition Science and Pathology <i>XAVIER VERHELST -- Department of Internal Medicine and Pediatrics</i> <a href="#">Indicative price: € 0</a>	6		1	A:2	180
3	D012496 Method and Device Validation <i>Carolien Bonroy -- Department of Diagnostic Sciences</i> <a href="#">Indicative price: € 0</a>	3		1	A:2	75
4	D012504 Public Health Nutrition <i>Stefaan De Henauw -- Department of Public Health and Primary Care</i> <a href="#">Indicative price: unknown</a>	3		1	A:2	90
5	D012495 Medical Laboratory Diagnostics <i>Peter Van Eenoo -- Department of Diagnostic Sciences</i>	3		1	A:2	90

[Indicative price: € 50](#)

6	D001877	Food Microbiology and Food Preservation	6	2	A:1	180
		<i>Andreja Rajkovic -- Department of Food Technology, Safety and Health</i>				
		<a href="#">Indicative price: € 15</a>				

## 2.2 Major Neurosciences

26 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	D012509	Structural Aspects of the Central Nervous System	5	1	A:1	150
		<i>Wim Ceelen -- Department of Human Structure and Repair</i>				
		<a href="#">Indicative price: € 0</a>				
2	D012538	Functional Aspects of the Central Nervous System	5	1	A:2	150
		<i>Alain Labro -- Department off Basic and Applied Medical Sciences</i>				
		<a href="#">Indicative price: unknown</a>				
3	D012511	Neurobiology	5	1	A:2	150
		<i>Evelien Carrette -- Department of Head and Skin</i>				
		<a href="#">Indicative price: € 5</a>				
4	D012512	Neurogenetics	5	1	A:2	150
		<i>Bart Dermaut -- Department of Biomolecular Medicine</i>				
		<a href="#">Indicative price: unknown</a>				
5	D012510	Clinical Neurology	6	2	A:1, B:2	150
		<i>Kristl Vonck -- Department of Head and Skin</i>				
		<a href="#">Indicative price: unknown</a>				

## 2.3 Major Tissue Engineering and Regenerative Medicine

26 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	D012548	Degeneration and Senescence	5	1	A:1	150
		<i>Mathieu Bertrand -- Department of Molecular Biology</i>				
		<a href="#">Indicative price: unknown</a>				
2	D012549	Stem Cell Biology and Reprogramming	4	1	A:2	120
		<i>BJORN HEINDRYCKX -- Department of Human Structure and Repair</i>				
		<a href="#">Indicative price: unknown</a>				
3	D012550	Clinical and Experimental Embryology	3	1	A:2	90
		<i>BJORN HEINDRYCKX -- Department of Human Structure and Repair</i>				
		<a href="#">Indicative price: unknown</a>				
4	D012551	Biomaterials and Biocompatibility	8	1	A:2	240
		<i>Ruslan Dmitriev -- Department of Human Structure and Repair</i>				
		<a href="#">Indicative price: unknown</a>				
5	D001923	Tissue Engineering	6	2	A:1	180
		<i>Ruslan Dmitriev -- Department of Human Structure and Repair</i>				
		<a href="#">Indicative price: unknown</a>				

## 2.4 Major Radiation Sciences

26 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	D012508	Radiation Dosimetry and Radioprotection	5	1	A:1	150
		<i>Klaus Bacher -- Department of Human Structure and Repair</i>				
		<a href="#">Indicative price: unknown</a>				
2	D012506	Radiochemistry and Radiopharmaceuticals	4	1	A:2	120
		<i>Filip De Vos -- Department of Pharmaceutical Analysis</i>				
		<a href="#">Indicative price: unknown</a>				
3	D012507	Radiotherapy: Technology and Patient Dosimetry	6	1	A:2	150
		<i>Werner De Gerssem -- Department of Human Structure and Repair</i>				
		<a href="#">Indicative price: € 0</a>				
4	D012505	Medical Imaging	5	1	A:2	150
		<i>Klaus Bacher -- Department of Human Structure and Repair</i>				
		<a href="#">Indicative price: unknown</a>				
5	D012563	Radiobiology and Radiopathology	6	2	A:1	180
		<i>Ans Baeyens -- Department of Human Structure and Repair</i>				
		<a href="#">Indicative price: € 0</a>				

## 2.5 Major Medical Genetics

26 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
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1	D012701	Advanced Human Genetics <i>Sofie Symoens -- Department of Biomolecular Medicine</i> <a href="#">Indicative price: unknown</a>	6	1	A:2	180
2	D012490	Cancer Genetics <i>Kaat Durinck -- Department of Biomolecular Medicine</i> <a href="#">Indicative price: € 0</a>	5	1	A:2	150
3	D012547	Massively Parallel Sequencing Data-analysis <i>Pieter Mestdagh -- Department of Biomolecular Medicine</i> <a href="#">Indicative price: unknown</a>	3	1	A:2	75
4	D000652	Developmental Genetics and Gene Regulation <i>Elfride De Baere -- Department of Biomolecular Medicine</i> <a href="#">Indicative price: unknown</a>	6	1	A:1	180
5	D000852	Genetical Diagnostics <i>Kathleen Claes -- Department of Biomolecular Medicine</i> <a href="#">Indicative price: unknown</a>	6	2	A:1	180

## 2.6 Major Immunity and Infection

26 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	D012529 Immunopathology <i>Hamida Hammad -- Department of Internal Medicine and Pediatrics</i> <a href="#">Indicative price: € 0</a>	5		1	A:1	150
2	D012531 Molecular Immunology <i>Tom Taghon -- Department of Diagnostic Sciences</i> <a href="#">Indicative price: € 0</a>	5		1	A:2	150
3	D012533 Molecular Virology <i>Philip Meuleman -- Department of Diagnostic Sciences</i> <a href="#">Indicative price: unknown</a>	5		1	A:2	150
4	D012530 Molecular Bacteriology <i>Piet Cools -- Department of Diagnostic Sciences</i> <a href="#">Indicative price: € 0</a>	5		1	A:2	150
5	D013094 Vaccinology <i>Isabel Leroux-Roels -- Department of Diagnostic Sciences</i> <a href="#">Indicative price: unknown</a>	6		2	A:1	180

## 2.7 Major Systems Biology

26 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	D012555 Genomics, Proteomics and Metabolomics <i>Kris Gevaert -- Department of Biomolecular Medicine</i> <a href="#">Indicative price: € 10</a>	6		1	A:1	180
2	D012702 Advanced Imaging and Image Analysis <i>Marleen Van Troys -- Department of Biomolecular Medicine</i> <a href="#">Indicative price: € 0</a>	5		1	A:2	150
3	D012554 Machine Learning Methods for Biomedical Data <i>Ralf Gabriels -- Department of Biomolecular Medicine</i> <a href="#">Indicative price: unknown</a>	5		1	A:2	150
4	D012539 Protein Interaction Networks and Medical Applications <i>Sven Eyckerman -- Department of Biomolecular Medicine</i> <a href="#">Indicative price: unknown</a>	4		1	A:2	120
5	D012184 Systems Biology <i>Tine Claeys -- Department of Biomolecular Medicine</i> <a href="#">Indicative price: € 6</a>	6		2	A:1	150

## 2.8 Major Cancer

26 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	D012491 Proliferation and Survival <i>Panagiotis Ntziachristos -- Department of Biomolecular Medicine</i> <a href="#">Indicative price: unknown</a>	5		1	A:1	150
2	D012492 Communication and Metastasis <i>Olivier De Wever -- Department of Human Structure and Repair</i> <a href="#">Indicative price: unknown</a>	5		1	A:2	150

3	D012493	Clinical Aspects of Cancer <i>Wim Ceelen -- Department of Human Structure and Repair</i> <a href="#">Indicative price: unknown</a>	5		1	A:2	150
4	D012490	Cancer Genetics <i>Kaat Durinck -- Department of Biomolecular Medicine</i> <a href="#">Indicative price: € 0</a>	5		1	A:2	150
5	D012494	Precision Medicine in Cancer <i>Karim Vermaelen -- Department of Internal Medicine and Pediatrics</i> <a href="#">Indicative price: unknown</a>	6		2	A:1	180

### 3 Elective Courses

Subscribe to 31 credit units from no less than 2 and no more than 7 modules from the following list. Subject to approval by the faculty.  
Recommended: Students take 8 to 12 ECTS in the first master's year and 19 to 23 ECTS in the second year.

#### 3.1 Elective Course List First Master's Year

Nr	Course	CRDT	Ref	MT1	Session	Study
1	D013531 Innovation Management <i>Jan Demolder -- Department of Biomolecular Medicine</i> <a href="#">Indicative price: unknown</a>	5		1	A:2	150
2	D012577 Pharmacology [nl] <i>Lindsey Devisscher -- Department off Basic and Applied Medical Sciences</i> <a href="#">Indicative price: € 0</a>	7		1	A:2	210
3	D013530 Laboratory Animal Science <i>Katleen Hermans -- Department of Pathobiology, Pharmacology and Zoological Medicine</i> <a href="#">Indicative price: € 0</a>	6		1	A:1	180
4	H002476 Powerful Learning Environments [nl] <i>Bram De Wever -- Department of Educational Studies</i> <a href="#">Indicative price: € 50</a>	6		1	A:1	180
5	C004114 Mathematics: Advanced Techniques [nl] <i>Marnix Van Daele -- Department of Mathematics, Computer Science and Statistics</i> <a href="#">Indicative price: € 10</a>	6		1	A:2	180
6	C004223 Nuclear Physics <i>Natalie Jachowicz -- Department of Physics and Astronomy</i> <a href="#">Indicative price: € 45</a>	4		1	A:2	120
7	A005503 Context and Nuance. A Critical Reflection on Current Topics [nl] <i>July De Wilde -- Department of Translation, Interpreting and Communication</i> <a href="#">Indicative price: € 0</a>	6	UKV	1	A:1	180
8	D013207 Economic Perspectives on Health <i>Nick Verhaeghe -- Department of Public Health and Primary Care</i> <a href="#">Indicative price: € 29</a>	3		1	A:1	90
9	J000454 Cutting Edge Technologies for Drug Delivery - Nanomedicines <i>Stefaan De Smedt -- Department of Pharmaceutics</i> <a href="#">Indicative price: € 0</a>	3		1	A:2	90

#### 3.2 Biomedical Researcher in Industry and Management

Nr	Course	CRDT	Ref	MT1	Session	Study
1	D012577 Pharmacology [nl] <i>Lindsey Devisscher -- Department off Basic and Applied Medical Sciences</i> <a href="#">Indicative price: € 0</a>	7		2	A:2	210
2	J000445 Regulatory Affairs Health Products <i>Evelien Wynendaele -- Department of Pharmaceutical Analysis</i> <a href="#">Indicative price: € 0</a>	3		2	A:J	90
3	E092930 Translational Neuroscience <i>Christian Vanhove -- Department of Electronics and Information Systems</i> <a href="#">Indicative price: € 0</a>	3		2	A:2	90
4	C002681 Advanced Programming in Bioinformatics <i>Pieter De Bleser -- Department of Molecular Biology</i> <a href="#">Indicative price: € 0</a>	3		2		80
5	C003670 Biomolecular Production Methods <i>Nico Callewaert -- Department of Biochemistry, Physiology and Microbiology</i>	4		2	A:1	110

		<a href="#">Indicative price: € 5</a>				
6	D013207	Economic Perspectives on Health <i>Nick Verhaeghe -- Department of Public Health and Primary Care</i> <a href="#">Indicative price: € 29</a>	3	2	A:1	90
7	E076820	Project Management <i>Mario Vanhoucke -- Department of Business Informatics and Operations Management</i> <a href="#">Indicative price: € 75</a>	6	2	A:2	180
8	J000453	Pharmaceutical Management Skills [nl] <i>Evelien Wynendaele -- Department of Pharmaceutical Analysis</i> <a href="#">Indicative price: € 0</a>	3	2	A:2	90
9	D013530	Laboratory Animal Science <i>Katleen Hermans -- Department of Pathobiology, Pharmacology and Zoological Medicine</i> <a href="#">Indicative price: € 0</a>	6	2	A:1	180
10	D013531	Innovation Management <i>Jan Demolder -- Department of Biomolecular Medicine</i> <a href="#">Indicative price: unknown</a>	5	2	A:2	150
11	J000427	Special Nutrition [nl] <i>Sarah De Saeger -- Department of Bio-analysis</i> <a href="#">Indicative price: € 0</a>	3	2	A:1	90
12	J000443	Pharmacoeconomics [nl] <i>Barbara Claus -- Department of Pharmaceutical Analysis</i> <a href="#">Indicative price: € 0</a>	3	2	A:2	90

### 3.3 Biomedical Researcher in a Changing Society

Nr	Course	CRDT	Ref	MT1	Session	Study	
1	E092930	Translational Neuroscience <i>Christian Vanhove -- Department of Electronics and Information Systems</i> <a href="#">Indicative price: € 0</a>	3		2	A:2	90
2	H002000	Modelling of Cognitive Processes <i>Tom Verguts -- Department of Experimental Psychology</i> <a href="#">Indicative price: € 0</a>	5		2	A:1	150
3	H001992	Neurobiology of Affective Disorders <i>Gilles Pourtois -- Department of Experimental Clinical and Health Psychology</i> <a href="#">Indicative price: € 0</a>	4		2	A:1	120
4	B000622	Medical Criminalistics [nl] <i>Evy De Boosere -- Department of Diagnostic Sciences</i> <a href="#">Indicative price: unknown</a>	4		2	A:2	120
5	B001499	Forensic Psychology [nl] <i>Lize Verbeke -- Department of Developmental, Personality and Social Psychology</i> <a href="#">Indicative price: € 15</a>	4		2	A:2	120
6	H001977	Coaching and Diversity [nl] <i>Elisabeth De Schauwer -- Department of Special Education</i> <a href="#">Indicative price: € 0</a>	3	UKV	2	A:J	90
7	A005503	Context and Nuance. A Critical Reflection on Current Topics [nl] <i>July De Wilde -- Department of Translation, Interpreting and Communication</i> <a href="#">Indicative price: € 0</a>	6	UKV	2	A:1	180
8	K001382	Strategic Communication <i>Veroline Caubergher -- Department of Communication Sciences</i> <a href="#">Indicative price: € 45</a>	5		2		150
9	H001010	Introduction Industrial Psychology [nl] <i>Bart Wille -- Department of Developmental, Personality and Social Psychology</i> <a href="#">Indicative price: € 55</a>	5		2	C:1	150
10	B001497	Forensic Psychiatry [nl] <i>Kurt Audenaert -- Department of Head and Skin</i> <a href="#">Indicative price: € 0</a>	4		2	B:1	120
11	B001637	Drug Phenomena [nl] <i>Louis Favril -- Department of Criminology, Criminal Law and Social Law</i> <a href="#">Indicative price: € 15</a>	5		2	A:1	150
12	H002429	Neuropsychology [nl] <i>Wim Fias -- Department of Experimental Psychology</i>	5		2	A:2	150

### 3.4 Biomedical Exploration: Major Courses

Nr	Course	CRDT	Ref	MT1	Session	Study
1	D012498 Human Nutrition Science and Pathology <i>XAVIER VERHELST -- Department of Internal Medicine and Pediatrics</i> <a href="#">Indicative price: € 0</a>	6			A:2	180
2	D012496 Method and Device Validation <i>Carolien Bonroy -- Department of Diagnostic Sciences</i> <a href="#">Indicative price: € 0</a>	3			A:2	75
3	D012504 Public Health Nutrition <i>Stefaan De Henaau -- Department of Public Health and Primary Care</i> <a href="#">Indicative price: unknown</a>	3			A:2	90
4	D012495 Medical Laboratory Diagnostics <i>Peter Van Eenoo -- Department of Diagnostic Sciences</i> <a href="#">Indicative price: € 50</a>	3			A:2	90
5	D012497 Methodology of Nutritional Research <i>Bruno Lapauw -- Department of Internal Medicine and Pediatrics</i> <a href="#">Indicative price: € 0</a>	5			A:1	150
6	D012509 Structural Aspects of the Central Nervous System <i>Wim Ceelen -- Department of Human Structure and Repair</i> <a href="#">Indicative price: € 0</a>	5			A:1	150
7	D012538 Functional Aspects of the Central Nervous System <i>Alain Labro -- Department off Basic and Applied Medical Sciences</i> <a href="#">Indicative price: unknown</a>	5			A:2	150
8	D012511 Neurobiology <i>Evelien Carrette -- Department of Head and Skin</i> <a href="#">Indicative price: € 5</a>	5			A:2	150
9	D012512 Neurogenetics <i>Bart Dermaut -- Department of Biomolecular Medicine</i> <a href="#">Indicative price: unknown</a>	5			A:2	150
10	D012549 Stem Cell Biology and Reprogramming <i>BJORN HEINDRYCKX -- Department of Human Structure and Repair</i> <a href="#">Indicative price: unknown</a>	4			A:2	120
11	D012550 Clinical and Experimental Embryology <i>BJORN HEINDRYCKX -- Department of Human Structure and Repair</i> <a href="#">Indicative price: unknown</a>	3			A:2	90
12	D012548 Degeneration and Senescence <i>Mathieu Bertrand -- Department of Molecular Biology</i> <a href="#">Indicative price: unknown</a>	5			A:1	150
13	D012551 Biomaterials and Biocompatibility <i>Ruslan Dmitriev -- Department of Human Structure and Repair</i> <a href="#">Indicative price: unknown</a>	8			A:2	240
14	D012506 Radiochemistry and Radiopharmaceuticals <i>Filip De Vos -- Department of Pharmaceutical Analysis</i> <a href="#">Indicative price: unknown</a>	4			A:2	120
15	D012508 Radiation Dosimetry and Radioprotection <i>Klaus Bacher -- Department of Human Structure and Repair</i> <a href="#">Indicative price: unknown</a>	5			A:1	150
16	D012507 Radiotherapy: Technology and Patient Dosimetry <i>Werner De Gerssem -- Department of Human Structure and Repair</i> <a href="#">Indicative price: € 0</a>	6			A:2	150
17	D012505 Medical Imaging <i>Klaus Bacher -- Department of Human Structure and Repair</i> <a href="#">Indicative price: unknown</a>	5			A:2	150
18	D012490 Cancer Genetics <i>Kaat Durinck -- Department of Biomolecular Medicine</i> <a href="#">Indicative price: € 0</a>	5			A:2	150
19	D012547 Massively Parallel Sequencing Data-analysis <i>Pieter Mestdagh -- Department of Biomolecular Medicine</i>	3			A:2	75

		<a href="#">Indicative price: unknown</a>			
20	D000652	Developmental Genetics and Gene Regulation <i>Elfride De Baere -- Department of Biomolecular Medicine</i> <a href="#">Indicative price: unknown</a>	6	A:1	180
21	D012701	Advanced Human Genetics <i>Sofie Symoens -- Department of Biomolecular Medicine</i> <a href="#">Indicative price: unknown</a>	6	A:2	180
22	D012531	Molecular Immunology <i>Tom Taghon -- Department of Diagnostic Sciences</i> <a href="#">Indicative price: € 0</a>	5	A:2	150
23	D012533	Molecular Virology <i>Philip Meuleman -- Department of Diagnostic Sciences</i> <a href="#">Indicative price: unknown</a>	5	A:2	150
24	D012530	Molecular Bacteriology <i>Piet Cools -- Department of Diagnostic Sciences</i> <a href="#">Indicative price: € 0</a>	5	A:2	150
25	D012529	Immunopathology <i>Hamida Hammad -- Department of Internal Medicine and Pediatrics</i> <a href="#">Indicative price: € 0</a>	5	A:1	150
26	D012702	Advanced Imaging and Image Analysis <i>Marleen Van Troys -- Department of Biomolecular Medicine</i> <a href="#">Indicative price: € 0</a>	5	A:2	150
27	D012554	Machine Learning Methods for Biomedical Data <i>Ralf Gabriels -- Department of Biomolecular Medicine</i> <a href="#">Indicative price: unknown</a>	5	A:2	150
28	D012539	Protein Interaction Networks and Medical Applications <i>Sven Eyckerman -- Department of Biomolecular Medicine</i> <a href="#">Indicative price: unknown</a>	4	A:2	120
29	D012555	Genomics, Proteomics and Metabolomics <i>Kris Gevaert -- Department of Biomolecular Medicine</i> <a href="#">Indicative price: € 10</a>	6	A:1	180
30	D012491	Proliferation and Survival <i>Panagiotis Ntziachristos -- Department of Biomolecular Medicine</i> <a href="#">Indicative price: unknown</a>	5	A:1	150
31	D012492	Communication and Metastasis <i>Olivier De Wever -- Department of Human Structure and Repair</i> <a href="#">Indicative price: unknown</a>	5	A:2	150
32	D012493	Clinical Aspects of Cancer <i>Wim Ceelen -- Department of Human Structure and Repair</i> <a href="#">Indicative price: unknown</a>	5	A:2	150
33	D012490	Cancer Genetics <i>Kaat Durinck -- Department of Biomolecular Medicine</i> <a href="#">Indicative price: € 0</a>	5	A:2	150
34	D001877	Food Microbiology and Food Preservation <i>Andreja Rajkovic -- Department of Food Technology, Safety and Health</i> <a href="#">Indicative price: € 15</a>	6	A:1	180
35	D012510	Clinical Neurology <i>Kristl Vonck -- Department of Head and Skin</i> <a href="#">Indicative price: unknown</a>	6	A:1	150
36	D001923	Tissue Engineering <i>Ruslan Dmitriev -- Department of Human Structure and Repair</i> <a href="#">Indicative price: unknown</a>	6	A:1	180
37	D012563	Radiobiology and Radiopathology <i>Ans Baeyens -- Department of Human Structure and Repair</i> <a href="#">Indicative price: € 0</a>	6	A:1	180
38	D013094	Vaccinology <i>Isabel Leroux-Roels -- Department of Diagnostic Sciences</i> <a href="#">Indicative price: unknown</a>	6	A:1	180

### 3.5 Preparing for EduMa

Nr	Course	CRDT	Ref	MT1	Session	Study
1	H002476 Powerful Learning Environments [nl] <i>Bram De Wever -- Department of Educational Studies</i> <a href="#">Indicative price: € 50</a>	6			A:1	180
2	H002478 The Student: Development and Motivation [nl] <i>Wim Beyers -- Department of Developmental, Personality and Social Psychology</i> <a href="#">Indicative price: € 75</a>	6			A:1	180
3	H002477 The Teacher within Class, School and Society [nl] <i>Melissa Tuytens -- Department of Educational Studies</i> <a href="#">Indicative price: € 50</a>	6			A:2	180
4	H002587 Teaching Methodology: Health Sciences I [nl] <i>Leen Haerens -- Department of Movement and Sports Sciences</i> <a href="#">Indicative price: € 0</a>	9			A:1	270

### 3.6 Medical Radiation Physics

Nr	Course	CRDT	Ref	MT1	Session	Study
1	C004114 Mathematics: Advanced Techniques [nl] <i>Marnix Van Daele -- Department of Mathematics, Computer Science and Statistics</i> <a href="#">Indicative price: € 10</a>	6		2	A:2	180
2	C004212 Python for Scientists <i>Toon Verstraelen -- Department of Physics and Astronomy</i> <a href="#">Indicative price: € 120</a>	5		2	A:1	150
3	C004223 Nuclear Physics <i>Natalie Jachowicz -- Department of Physics and Astronomy</i> <a href="#">Indicative price: € 45</a>	4		2	A:2	120
4	D002433 Detection and Measurement of Ionizing Radiation [nl] <i>Klaus Bacher -- Department of Human Structure and Repair</i> <a href="#">Indicative price: unknown</a>	3		2	A:1	90
5	D013254 Radiation Protection, Safety and Legislation [nl] <i>Klaus Bacher -- Department of Human Structure and Repair</i> <a href="#">Indicative price: unknown</a>	5		2	A:J	150

### 3.7 Elective Courses: Free Choice

6 credits

Subscribe to no more than 6 credit units from the study programmes of Ghent University, including the Ghent University Elective Courses. Subject to approval by the faculty.  
The maximum number of 6 ECTS credits for elective courses that can be freely chosen may be exceeded to a maximum of 12 ECTS credits, only for elective courses in support of the master's thesis or major. Moreover, the request to take more than 6 SP of free electives needs to be motivated on behalf of the curriculum committee, who will give its final approval, for all the included free electives within the package of maximal 12 SP.

[Ghent University Elective Courses](#)

## 4 Work Placement 6 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	D013637 Major Internship Biomedical Sciences <i>Kaat Durinck -- Department of Biomolecular Medicine</i> <a href="#">Indicative price: unknown</a>	6		1	A:J	180

## 5 Master's Dissertation 30 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	D012185 Master's Dissertation <a href="#">Indicative price: unknown</a>	30		2	A:J	900

### Programme related study costs

None

## 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

## Learning materials

The prices stated are indicative and subject to fluctuations.

The list of learning materials per course unit can be found in the course sheets.