



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

Language of instruction: English

Programme version 5

## 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: unknown</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 <i>Andreja Rajkovic -- Department of Food Technology, Safety and Health</i> <a href="#">Indicative price: € 15</a>	6	2	A:1	180
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## 2.2 Major Neurosciences 26 credits

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

## 2.3 Major Tissue Engineering and Regenerative Medicine 26 credits

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

## 2.4 Major Radiation Sciences 26 credits

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

## 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>Sven Degroeve -- 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>Kris Gevaert -- Department of Biomolecular Medicine</i> <a href="#">Indicative price: € 5</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	H002169	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>Carol Zamfirescu -- 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>Stef Craps -- Department of Literary Studies</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

**Indicative price: € 5**

6	D013207	Economic Perspectives on Health <i>Nick Verhaeghe -- Department of Public Health and Primary Care</i> <b><u>Indicative price: € 29</u></b>	3	2	A:1	90
7	E076820	Project Management <i>Mario Vanhoucke -- Department of Business Informatics and Operations Management</i> <b><u>Indicative price: € 75</u></b>	6	2	A:2	180
8	J000453	Pharmaceutical Management Skills [nl] <i>Evelien Wynendaele -- Department of Pharmaceutical Analysis</i> <b><u>Indicative price: € 0</u></b>	3	2	A:2	90
9	D013530	Laboratory Animal Science <i>Katleen Hermans -- Department of Pathobiology, Pharmacology and Zoological Medicine</i> <b><u>Indicative price: € 0</u></b>	6	2	A:1	180
10	D013531	Innovation Management <i>Jan Demolder -- Department of Biomolecular Medicine</i> <b><u>Indicative price: unknown</u></b>	5	2	A:2	150
11	J000427	Special Nutrition [nl] <i>Sarah De Saeger -- Department of Bio-analysis</i> <b><u>Indicative price: € 0</u></b>	3	2	A:1	90
12	J000454	Cutting Edge Technologies for Drug Delivery - Nanomedicines <i>Stefaan De Smedt -- Department of Pharmaceutics</i> <b><u>Indicative price: € 0</u></b>	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> <b><u>Indicative price: € 0</u></b>	3		2	A:2	90
2	H002000	Modelling of Cognitive Processes <i>Tom Verguts -- Department of Experimental Psychology</i> <b><u>Indicative price: € 0</u></b>	5		2	A:1	150
3	H001992	Neurobiology of Affective Disorders <i>Gilles Pourtois -- Department of Experimental Clinical and Health Psychology</i> <b><u>Indicative price: € 0</u></b>	4		2	A:1	120
4	B000622	Medical Criminalistics [nl] <i>Evy De Boosere -- Department of Diagnostic Sciences</i> <b><u>Indicative price: unknown</u></b>	4		2	A:2	120
5	B001499	Forensic Psychology [nl] <i>Lize Verbeke -- Department of Developmental, Personality and Social Psychology</i> <b><u>Indicative price: € 15</u></b>	4		2	A:2	120
6	K001187	Corporate Communication [nl] <i>Veroline Cauberghe -- Department of Communication Sciences</i> <b><u>Indicative price: € 50</u></b>	5		2	A:2	150
7	H001977	Coaching and Diversity [nl] <i>Elisabeth De Schauwer -- Department of Special Education</i> <b><u>Indicative price: € 0</u></b>	3	UKV	2	A:J	90
8	A005503	Context and Nuance. A Critical Reflection on Current Topics [nl] <i>Stef Craps -- Department of Literary Studies</i> <b><u>Indicative price: € 0</u></b>	6	UKV	2	A:1	180
9	H001010	Introduction Industrial Psychology [nl] <i>Bart Wille -- Department of Developmental, Personality and Social Psychology</i> <b><u>Indicative price: € 45</u></b>	5		2	A:2	150
10	B001497	Forensic Psychiatry [nl] <i>Kurt Audenaert -- Department of Head and Skin</i> <b><u>Indicative price: € 0</u></b>	4		2	B:1	120
11	B001637	Drug Phenomena [nl] <i>Louis Favril -- Department of Criminology, Criminal Law and Social Law</i> <b><u>Indicative price: € 15</u></b>	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>	6			A:2	180
		<a href="#">Indicative price: € 0</a>					
2	D012496	Method and Device Validation <i>Carolien Bonroy -- Department of Diagnostic Sciences</i>	3			A:2	75
		<a href="#">Indicative price: € 0</a>					
3	D012504	Public Health Nutrition <i>Stefaan De Henauw -- Department of Public Health and Primary Care</i>	3			A:2	90
		<a href="#">Indicative price: unknown</a>					
4	D012495	Medical Laboratory Diagnostics <i>Peter Van Eenoo -- Department of Diagnostic Sciences</i>	3			A:2	90
		<a href="#">Indicative price: € 50</a>					
5	D012497	Methodology of Nutritional Research <i>Bruno Lapaauw -- Department of Internal Medicine and Pediatrics</i>	5			A:1	150
		<a href="#">Indicative price: € 0</a>					
6	D012509	Structural Aspects of the Central Nervous System <i>Wim Ceelen -- Department of Human Structure and Repair</i>	5			A:1	150
		<a href="#">Indicative price: € 0</a>					
7	D012538	Functional Aspects of the Central Nervous System <i>Alain Labro -- Department off Basic and Applied Medical Sciences</i>	5			A:2	150
		<a href="#">Indicative price: unknown</a>					
8	D012511	Neurobiology <i>Evelien Carrette -- Department of Head and Skin</i>	5			A:2	150
		<a href="#">Indicative price: € 5</a>					
9	D012512	Neurogenetics <i>Bart Dermaut -- Department of Biomolecular Medicine</i>	5			A:2	150
		<a href="#">Indicative price: unknown</a>					
10	D012549	Stem Cell Biology and Reprogramming <i>BJORN HEINDRYCKX -- Department of Human Structure and Repair</i>	4			A:2	120
		<a href="#">Indicative price: unknown</a>					
11	D012550	Clinical and Experimental Embryology <i>BJORN HEINDRYCKX -- Department of Human Structure and Repair</i>	3			A:2	90
		<a href="#">Indicative price: unknown</a>					
12	D012548	Degeneration and Senescence <i>Mathieu Bertrand -- Department of Molecular Biology</i>	5			A:1	150
		<a href="#">Indicative price: unknown</a>					
13	D012551	Biomaterials and Biocompatibility <i>Peter Dubrule -- Department of Organic Chemistry</i>	8			A:2	240
		<a href="#">Indicative price: unknown</a>					
14	D012506	Radiochemistry and Radiopharmaceuticals <i>Filip De Vos -- Department of Pharmaceutical Analysis</i>	4			A:2	120
		<a href="#">Indicative price: unknown</a>					
15	D012508	Radiation Dosimetry and Radioprotection <i>Klaus Bacher -- Department of Human Structure and Repair</i>	5			A:1	150
		<a href="#">Indicative price: unknown</a>					
16	D012507	Radiotherapy: Technology and Patient Dosimetry <i>Werner De Gersem -- Department of Human Structure and Repair</i>	6			A:2	150
		<a href="#">Indicative price: unknown</a>					
17	D012505	Medical Imaging <i>Klaus Bacher -- Department of Human Structure and Repair</i>	5			A:2	150
		<a href="#">Indicative price: unknown</a>					
18	D012490	Cancer Genetics <i>Kaat Durinck -- Department of Biomolecular Medicine</i>	5			A:2	150
		<a href="#">Indicative price: € 0</a>					
19	D012547	Massively Parallel Sequencing Data-analysis <i>Pieter Mestdagh -- Department of Biomolecular Medicine</i>	3			A:2	75

[Indicative price: unknown](#)

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

### 3.5 Preparing for EduMa

Nr	Course		CRDT	Ref	MT1	Session	Study
1	H002285	Reference Internship: Health Sciences [nl] <i>Leen Haerens -- Department of Movement and Sports Sciences</i>	3	2		A:J	90

Indicative price: € 0

2	H002169	Powerful Learning Environments [nl] <i>Bram De Wever -- Department of Educational Studies</i> <u>Indicative price: € 50</u>	6	2	A:1	180
3	H002426	General Teaching Methodology in Health Sciences [nl] <i>Leen Haerens -- Department of Movement and Sports Sciences</i> <u>Indicative price: € 0</u>	6	2	A:1	180
4	H002197	The Teacher within School and Society [nl] <i>Melissa Tuytens -- Department of Educational Studies</i> <u>Indicative price: € 50</u>	4	2	A:1	120
5	H002169	Powerful Learning Environments [nl] <i>Bram De Wever -- Department of Educational Studies</i> <u>Indicative price: € 50</u>	6	2	A:1	180
6	H002198	Psychology of Adolescence [nl] <i>Wim Beyers -- Department of Developmental, Personality and Social Psychology</i> <u>Indicative price: € 51</u>	4	2	A:1	120
7	H002196	Classroom Management and Reflection [nl] <i>Tijs Rotsaert -- Department of Educational Studies</i> <u>Indicative price: € 50</u>	4	2	A:2	120

### 3.6 Medical Radiation Physics

Nr	Course		CRDT	Ref	MT1	Session	Study
1	C004114	Mathematics: Advanced Techniques [nl] <i>Carol Zamfirescu -- Department of Mathematics, Computer Science and Statistics</i> <u>Indicative price: € 10</u>	6		2	A:2	180
2	C004212	Python for Scientists <i>Jonathan Leliaert -- Department of Solid State Sciences</i> <u>Indicative price: € 120</u>	5		2	A:1	150
3	C004223	Nuclear Physics <i>Natalie Jachowicz -- Department of Physics and Astronomy</i> <u>Indicative price: € 45</u>	4		2	A:2	120
4	D002433	Detection and Measurement of Ionizing Radiation [nl] <i>Klaus Bacher -- Department of Human Structure and Repair</i> <u>Indicative price: unknown</u>	3		2	A:1	90
5	D013254	Radiation Protection, Safety and Legislation [nl] <i>Klaus Bacher -- Department of Human Structure and Repair</i> <u>Indicative price: unknown</u>	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> <u>Indicative price: unknown</u>	6		1	A:J	180

### 5 Master's Dissertation

30 credits

Nr	Course		CRDT	Ref	MT1	Session	Study
1	D012185	Master's Dissertation <u>Indicative price: unknown</u>	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 2025-2026	f: annually, from 2026-2027	i: annually, from 2027-2028
b: tri-annually	d: bi-annually, from 2025-2026	g: bi-annually, from 2026-2027	j: bi-annually, from 2027-2028
	e: tri-annually, from 2025-2026	h: tri-annually, from 2026-2027	k: tri-annually, from 2027-2028

### 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.