

Faculty of Medicine and Health Sciences, Faculty of Psychology and Educational Sciences

Master of Science in Teaching in Health Sciences -- Medical Sciences

Language of instruction: Dutch

Programme version 6

1 Domain Component

Subscribe to 1 Track from the following list. Subject to approval by the faculty.
The track corresponds to the student's prior education.

1.1 Medicine Track

60 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	D013005 Problems of Lungs, Haematopoietic Organs and Kidneys <i>Fritz Offner -- Department of Internal Medicine and Pediatrics</i>	8		1	A:1	240
2	D013004 Problems of Heart and Circulation <i>Michel De Pauw -- Department of Internal Medicine and Pediatrics</i>	8		1	A:1	240
3	D012481 Problems of the Elderly <i>Mirko Petrovic -- Department of Internal Medicine and Pediatrics</i>	4		1	A:2	120
4	D013007 Problems of the Locomotor System <i>Jan Victor -- Department of Human Structure and Repair</i>	8		1	A:2	240
5	D012360 Problems of Mental Health and Nervous System <i>Paul Boon -- Department of Head and Skin</i>	7		2	A:1	210
6	D013014 Problems of Clinical Genetics & Paediatrics <i>Ann Raes -- Department of Internal Medicine and Pediatrics</i>	5		2	A:1	150
7	D012361 Health and Society III <i>Lutgart Braeckman -- Department of Public Health and Primary Care</i>	4		2	A:1	120
8	D013008 Exploration and Ethics IV <i>Lutgart Braeckman -- Department of Public Health and Primary Care</i>	4		1	A:J	120
9	D013065 Medical Problem Solving and Evidence Based Medicine III <i>Stefan Heytens -- Department of Public Health and Primary Care</i>	5		1	A:J	150
10	D013057 Exploration: Physician in Society <i>Peter Pype -- Department of Public Health and Primary Care</i>	3		2	A:J	90
11	D013056 Specialist Course <i>Patrick Van de Voorde -- Department of Basic and Applied Medical Sciences</i>	4		2	A:2	120

1.2 Dentistry Track

60 credits

1.2.1 General Courses

Nr	Course	CRDT	Ref	MT1	Session	Study
1	D013043 Metabolism, the Gastrointestinal System and the Endocrine System <i>Vanessa Dubois -- Department of Basic and Applied Medical Sciences</i>	3		1	A:1	90
2	D013068 Prosthetic Dentistry : Removable Partial Dentures <i>Stefan Vandeweghe -- Department of Oral Health Sciences</i>	4		1	A:1	120
3	D012366 Dental Materials and Bio-engineering <i>Jan Cosyn -- Department of Oral Health Sciences</i>	3		1	A:2	90
4	D012968 Community Dentistry and Oral Public Health : Practice <i>Martijn Lambert -- Department of Oral Health Sciences</i>	3		1	A:J	75
5	D002295 Oral Pathology <i>Jo Van Dorpe -- Department of Diagnostic Sciences</i>	3		1	A:1	90

6	D013042	Paediatric Dentistry <i>Sivaprakash Rajasekharan -- Department of Oral Health Sciences</i>	3		1	A:1	90
7	D012973	Gerodontology <i>Barbara Janssens -- Department of Oral Health Sciences</i>	3		2	A:2	90
8	D013031	General Medical Pathology <i>Marie-Angélique De Scheerder -- Department of Internal Medicine and Pediatrics</i>	3		2	A:2	90
9	D013044	Dento-Maxillofacial Traumatology <i>Sivaprakash Rajasekharan -- Department of Oral Health Sciences</i>	3		1	A:2	90
10	D012970	Manual Skills : Paediatric Dentistry, Prosthetic Dentistry, Orthodontics and Restorative Dentistry <i>Jakob Van Acker -- Department of Oral Health Sciences</i>	5		1	A:J	150
11	D012969	Clinical Skills : Ergonomics, Communication, Oral Surgery, Radiology, CPR <i>Mieke De Bruyne -- Department of Oral Health Sciences</i>	3		1	A:J	90
12	D013032	Maxillo Facial Pathology and Surgery <i>Wouter Huvenne -- Department of Head and Skin</i>	5		2	A:2	130
13	D013033	Oral Implantology <i>Jan Cosyn -- Department of Oral Health Sciences</i>	3		2	A:2	75
14	D012972	Management of Dental Practice, including Ethics and Deontology <i>Tom Goffin -- Department of Public Health and Primary Care</i>	4		2	A:1	120
15	D012971	Digital Dentistry and Technical Evolutions <i>Stefan Vandeweghe -- Department of Oral Health Sciences</i>	4		2	A:1	120

1.2.2 Elective Courses

Subscribe to 8 credit units from the Ghent University study programmes. Subject to approval by the faculty. Students can also take courses from the [Ghent University Elective Courses](#).

1.3 Biomedical Sciences Track

59 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	D012176 Bio-Ethics in Experimental Medicine [en] <i>Katya De Groote -- Department of Internal Medicine and Pediatrics</i>	3		1	A:1	90
2	D012528 Cell and Gene Therapy [en] <i>Bart Vandekerckhove -- Department of Diagnostic Sciences</i>	4		1	A:1	120
3	D012527 Good Clinical Practice - Clinical studies [en] <i>Sylvie Rottey -- Department off Basic and Applied Medical Sciences</i>	3		1	A:2	90
4	D012514 Medical Seminars [en] <i>Tania Maes -- Department of Internal Medicine and Pediatrics</i>	3		2	A:J	75
5	D013626 Laboratory Quality Management and Assurance [en] <i>Peter Van Eenoo -- Department of Diagnostic Sciences</i>	3		1	A:1	75
6	D013627 Research Proposal Biomedical Sciences [en] <i>Philip Meuleman -- Department of Diagnostic Sciences</i>	4		1	A:2	120
7	D013628 Large Scale Analysis of Biomedical Data [en] <i>Katleen De Preter -- Department of Biomolecular Medicine</i>	4		1	A:1	100
8	D013637 Major Internship Biomedical Sciences [en] <i>Kaat Durinck -- Department of Biomolecular Medicine</i>	6		1	A:J	180
9	A003107 Advanced Academic English [en] <i>Geert Jacobs -- Department of Linguistics</i>	3	UKV	1	A:1	90

1.3.1 Elective Courses

26 credits

Choose 1 major out of the master programme biomedical sciences (for 30 ECTS)

1.4 Rehabilitation Sciences and Physiotherapy Track

60 credits

1.4.1 General Courses

Nr	Course	CRDT	Ref	MT1	Session	Study
1	D012731 Clinical Reasoning in Rehabilitation and Physiotherapy [en] <i>Annelies Maenhout -- Department of Rehabilitation Sciences</i>	6		1	A:2	180
2	D012726 Interdisciplinary Work in Health Care <i>André Vyt -- Dean's Office of the Faculty of Medicine and Health Sciences</i>	3		1	A:J	90
3	D013315 Rehabilitation and Physiotherapy of the Uro-Gynaecological System <i>Karel Everaert -- Department of Human Structure and Repair</i>	4		1	A:1	120

4	D013310	Rehabilitation and Physiotherapy of the Musculoskeletal System: Thoracic and Cervical Spine <i>Barbara Cagnie -- Department of Rehabilitation Sciences</i>	5	1	A:1	150
5	D013316	Management in Rehabilitation and Physiotherapy <i>Dirk Cambier -- Department of Rehabilitation Sciences</i>	6	2	A:2	180
6	D012732	Exercise is Medicine <i>Marieke De Craemer -- Department of Rehabilitation Sciences</i>	6	1	A:J	150

1.4.2 Elective Courses

To subscribe: 30 ECTS out of all Courses related to the Main Subjects.

1.5 Speech Language and Hearing Sciences Track

59 credits

1.5.1 General Courses

Nr	Course	CRDT	Ref	MT1	Session	Study
1	D013192 Mediosocial and Public Health Legislation and Organisation <i>Tom Goffin -- Department of Public Health and Primary Care</i>	3		2	A:2	90
2	D013708 Medical imaging <i>Geert Villeirs -- Department of Diagnostic Sciences</i>	4		1	A:1	120
3	D012535 Health Economics <i>Dominique Vandijck -- Department of Public Health and Primary Care</i>	5		1	A:1	150
4	D013709 Societal and global development 1 <i>Leen Maes -- Department of Rehabilitation Sciences</i>	3		1	A:J	90
5	D013710 Societal and global development 2 <i>Leen Maes -- Department of Rehabilitation Sciences</i>	3		2	A:J	90
6	D012146 Juridical, Financial and Organizational Aspects of Healthcare <i>Tom Goffin -- Department of Public Health and Primary Care</i>	3		2	B:2	90

1.5.2 Elective Courses

1.5.2.1 Option Speech Language

1.5.2.1.1 Major Learning and Technology

Nr	Course	CRDT	Ref	MT1	Session	Study
1	D013712 Learning Disorders in context <i>Petra Warreyn -- Department of Experimental Clinical and Health Psychology</i>	3		1	A:1	90
2	D013713 Instrumental Phonetics <i>Youri Maryn -- Department of Rehabilitation Sciences</i>	3		1	A:1	90
3	D013714 Alternative Communication and artificial intelligence <i>Kristiane Van Lierde -- Department of Rehabilitation Sciences</i>	3		1	A:1	90

1.5.2.1.2 Major Voice and Swallow

Nr	Course	CRDT	Ref	MT1	Session	Study
1	D013715 Voice and swallowing disorders <i>Kristiane Van Lierde -- Department of Rehabilitation Sciences</i>	3		1	A:1	90
2	D013716 Gender diversity in voice and communication <i>Evelien D'haeseleer -- Department of Rehabilitation Sciences</i>	3		1	A:1	90
3	D013717 Facial pathology <i>Kristiane Van Lierde -- Department of Rehabilitation Sciences</i>	3		1	A:1	90

1.5.2.1.3 Major Neurology of Language, Speech and Swallowing

Nr	Course	CRDT	Ref	MT1	Session	Study
1	D013718 Neuropathology and -physiology of speech, language and swallowing <i>Patrick Santens -- Department of Head and Skin</i>	3		1	A:1	90
2	D013719 Applied neurolinguistics, including multilingualism <i>Miet De Letter -- Department of Rehabilitation Sciences</i>	3		1	A:1	90
3	D012767 Cognitive Rehabilitation and Functional Plasticity <i>MARIJKE MIATTON -- Department of Head and Skin</i>	3		1	B:1	90

1.5.2.1.4 Major Speech, Language and Resonance

Nr	Course	CRDT	Ref	MT1	Session	Study
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1	D013721	Developmental Speech and Language Disorders <i>Evelien D'haeseleer -- Department of Rehabilitation Sciences</i>	3		2	A:1	90
2	D013722	Resonance disorders <i>Kristiane Van Lierde -- Department of Rehabilitation Sciences</i>	3		2	A:1	90
3	D012282	Clinical and Logopaedic Aspects of the Cochlear Implant <i>Ingeborg Dhooge -- Department of Head and Skin</i>	3		2	A:1	90

1.5.2.1.5 Major Stuttering and Cluttering

Nr	Course	CRDT	Ref	MT1	Session	Study
1	D013723 Scientific aspects of stuttering <i>Kurt Eggers -- Department of Rehabilitation Sciences</i>	3		2	A:1	90
2	D013724 Evidence-based treatment of stuttering and cluttering <i>Kurt Eggers -- Department of Rehabilitation Sciences</i>	3		2	A:1	90
3	H002387 Behavior Analysis [en]	3		2	A:2	90

1.5.2.2 Option Audiological Sciences

Nr	Course	CRDT	Ref	MT1	Session	Study
1	D013729 Auditory Neurosciences1 <i>Bart Vinck -- Department of Rehabilitation Sciences</i>	3		1	A:1	90
2	D013730 Vestibular Neurosciences 1 <i>Leen Maes -- Department of Rehabilitation Sciences</i>	3		1	A:1	90
3	D013731 Pediatric audiology and vestibulogy <i>Leen Maes -- Department of Rehabilitation Sciences</i>	3		1	A:1	90
4	C003080 Programming <i>Peter Dawyndt -- Department of Applied Mathematics and Computer Science</i>	5	UKV	1		150
5	D013733 Vestibular Neurosciences 2 <i>Leen Maes -- Department of Rehabilitation Sciences</i>	3		2	A:1	90
6	D013732 Auditory Neurosciences 2 <i>Hannah Keppler -- Department of Rehabilitation Sciences</i>	3		2	A:1	90

1.5.3 Internship

1.5.3.1 Option Logopaedics

Nr	Course	CRDT	Ref	MT1	Session	Study
1	D013725 Master internship in Logopaedics 1 <i>Kristiane Van Lierde -- Department of Rehabilitation Sciences</i>	20		1	A:J	505

1.5.3.2 Option Audiology

Nr	Course	CRDT	Ref	MT1	Session	Study
1	D013737 Master internship in Audiology 1 <i>Leen Maes -- Department of Rehabilitation Sciences</i>	20		1	A:J	505

2 Teaching Component

2.1 Programme Pathway Theoretical Education

12 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	H002197 The Teacher within School and Society <i>Melissa Tuytens -- Department of Educational Studies</i>	4		2	A:1	120
2	H002196 Classroom Management and Reflection <i>Melissa Tuytens -- Department of Educational Studies</i>	4		2	A:2	120
3	H002198 Psychology of Adolescence <i>Wim Beyers -- Department of Developmental, Personality and Social Psychology</i>	4		2	A:1	120

2.2 Programme Pathway Teaching Methodology

6 credits

Subscribe to 6 credit units from the following list, depending on the Bachelor's degree. Subject to approval by the faculty:

- Preliminary Degree Bachelor of Science in Medicine, in Dentistry or in Rehabilitation Sciences and Physiotherapy take courses with reference a or b
- Preliminary Degree Bachelor of Science in Biomedical Sciences takes courses with reference a or c
- Preliminary Degree Bachelor of Science in Speech Language and Hearing Sciences takes courses with reference a or d. Taking d implies taking both courses with that reference
- Other Preliminary Degrees only take courses with reference a

Nr	Course	CRDT	Ref	MT1	Session	Study
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1	H002292	Teaching Methodology: Health Sciences II <i>Leen Haerens -- Department of Movement and Sports Sciences</i>	6	a	A:2	180
2	H002220	Teaching Methodology: Biology <i>Dominique Adriaens -- Department of Biology</i>	6	b	A:J	180
3	H002219	Teaching Methodology: Chemistry <i>Katrien Strubbe -- Department of Chemistry</i>	6	c	A:J	180
4	H002266	Teaching Methodology A: Dutch as a Foreign Language <i>Chloé Lybaert -- Department of Translation, Interpreting and Communication</i>	3	d	A:1	90
5	H002267	Teaching Methodology B: Dutch as a Foreign Language <i>Bart Deygers -- Department of Translation, Interpreting and Communication</i>	3	d	A:2	90

2.3 Programme Pathway Internship

12 credits

Subscribe to 12 credit units from the following list, with

- 4 credit units from the courses with reference a
- 4 credit units from the courses with reference b corresponding to the Teaching Methodology Course taken in the Programme Pathway Teaching Methodology (2.2)
- 4 credit units from the courses with reference c if no additional Teaching Methodology Course has been chosen as an Elective Course (2.4.2. Module 2), or
- 4 credit units from the courses with reference d if an additional Teaching Methodology Course has been chosen as an Elective Course (2.4.2. Module 2)

Nr	Course	CRDT	Ref	MT1	Session	Study
1	H002303 Internship A: Health Sciences <i>Leen Haerens -- Department of Movement and Sports Sciences</i>	4	a		A:J	108
2	H002323 Internship B: Health Sciences <i>Leen Haerens -- Department of Movement and Sports Sciences</i>	4	b		A:J	108
3	H002315 Internship B: Biology <i>Dominique Adriaens -- Department of Biology</i>	4	b		A:J	108
4	H002312 Internship B: Chemistry <i>Katrien Strubbe -- Department of Chemistry</i>	4	b		A:J	108
5	H002374 Internship B: Dutch as a Foreign Language <i>Chloé Lybaert -- Department of Translation, Interpreting and Communication</i>	4	b		A:J	108
6	H002343 Internship C: Health Sciences <i>Leen Haerens -- Department of Movement and Sports Sciences</i>	4	c, d		A:J	108
7	H002331 Internship C: Biology <i>Dominique Adriaens -- Department of Biology</i>	4	d		A:J	108
8	H002330 Internship C: Chemistry <i>Katrien Strubbe -- Department of Chemistry</i>	4	d		A:J	108
9	H002363 Internship C: Dutch as a Foreign Language <i>Chloé Lybaert -- Department of Translation, Interpreting and Communication</i>	4	d		A:J	108
10	H002335 Internship C: Physics <i>Philippe Smet -- Department of Solid State Sciences</i>	4	d		A:J	108

2.4 Elective Courses

6 credits

Subscribe to 6 credit units from one or different modules from the following list. Subject to approval by the faculty.

2.4.1 Module 1: List of Elective Courses

The courses with reference b can only be chosen if the course with reference a has been passed.

Nr	Course	CRDT	Ref	MT1	Session	Study
1	H001608 Movement and Sports: Now and Later <i>Veerle Segers -- Department of Movement and Sports Sciences</i>	4	UKV		A:2	120
2	H001838 Culture, Media and Education <i>Kris Rutten -- Department of Educational Studies</i>	4			A:2	120
3	A001884 Introduction to Flemish Sign Language <i>Beatrijs Wille -- Department of Linguistics</i>	5			A:1	150
4	H000124 Learning Disabilities	5			A:2	150
5	H002128 Methods to Facilitate Socratic Group Discussions in the Educational Context <i>Veerle Provoost -- Department of Philosophy and Moral Sciences</i>	4			A:2	120
6	H002213 Motivational Psychology	5			A:1	150
7	H002344 Linguistic Proficiency in Content and Language Integrated Learning: Dutch <i>Bart Deygers -- Department of Translation, Interpreting and Communication</i>	3	b	2	A:2	90

8	H002247	Linguistic Proficiency in Content and Language Integrated Learning: English [en] <i>June Eyckmans -- Department of Translation, Interpreting and Communication</i>	3	b	2	A:2	90
9	H002248	Linguistic Proficiency in Content and Language Integrated Learning: French [fr] <i>Pascale Hadermann -- Department of Linguistics</i>	3	b	2	A:2	90
10	H002249	Linguistic Proficiency in Content and Language Integrated Learning: German [de] <i>Gunther Martens -- Department of Literary Studies</i>	3	b	2	A:2	90
11	H002246	Theory and Practice of Content and Language Integrated Learning <i>Ulrike Vogl -- Department of Linguistics</i>	3	a	1	A:1	90
12	H002283	Teaching Methodology: General Subjects for Technical and Vocational Education, including Internship	6			A:2	160

2.4.2 Module 2: Additional Course Teaching Methodology

Subscribe to 6 credit units from the following list, depending on the Bachelor's degree, and different from the Teaching Methodology Course taken in the Programme Pathway Teaching Methodology. Subject to approval by the faculty. Taking an additional Teaching Methodology Course implies taking the corresponding Internship C in the Programme Pathway Internship

- Preliminary Degree Bachelor of Science in Medicine, in Dentistry or in Rehabilitation Sciences and Physiotherapy takes course with reference a or c
- Preliminary Degree Bachelor of Science in Biomedical Sciences takes courses with the reference a, b or c. The course with reference e can only be chosen by Masters of Science in Biomedical Sciences with the Major Medical Radiation Sciences and Masters of Science in Teaching in Health Sciences, Main Subject: Medical Sciences with the Biomedical Sciences Track and the Major Medical Radiation Sciences
- Preliminary Degree Bachelor of Science in Speech Language and Hearing Sciences takes courses with the reference a or d. Taking d implies taking both courses with that reference

Students who are able to demonstrate that they have acquired at least 30 academic credits in another specific domain (60 credits if it concerns a language), can submit a request to the Curriculum Manager for the Master of Education to take the corresponding teaching methodology course. If the Curriculum Manager agrees, the Programme Pathway Internship needs to be revised allowing a student to follow an "Internship C" in this additional teaching methodology

Nr	Course	CRDT	Ref	MT1	Session	Study
1	H002292 Teaching Methodology: Health Sciences II <i>Leen Haerens -- Department of Movement and Sports Sciences</i>	6	a			180
2	H002220 Teaching Methodology: Biology <i>Dominique Adriaens -- Department of Biology</i>	6	b		A:J	180
3	H002219 Teaching Methodology: Chemistry <i>Katrien Strubbe -- Department of Chemistry</i>	6	c		A:J	180
4	H002266 Teaching Methodology A: Dutch as a Foreign Language <i>Chloé Lybaert -- Department of Translation, Interpreting and Communication</i>	3	d		A:1	90
5	H002267 Teaching Methodology B: Dutch as a Foreign Language <i>Bart Deygers -- Department of Translation, Interpreting and Communication</i>	3	d		A:2	90
6	H002224 Teaching Methodology Physics <i>Stefaan Cottenier -- Department of Electromechanical, Systems and Metal Engineering</i>	6	e		C:J	180

2.4.3 Module 3: Additional Internship

Nr	Course	CRDT	Ref	MT1	Session	Study
1	H002345 Short Additional Internship <i>Leen Haerens -- Department of Movement and Sports Sciences</i>	3			A:J	80
2	H002346 Extended Additional Internship <i>Leen Haerens -- Department of Movement and Sports Sciences</i>	6			A:J	160

2.4.4 Module 4: an Elective Course related to Education

Subscribe to a course of no less than 6 credit units, related to education, and lectured at a university belonging to the Flemish Community (see also: [Enlight Elective Courses](#)), subject to approval by the faculty.

3 Master's Dissertation

Nr	Course	CRDT	Ref	MT1	Session	Study
1	D013161 Master's Dissertation	24		2	A:J	720
2	D013162 Master's Dissertation	25		2	A:J	750
3	D013163 Master's Dissertation	26		2	A:J	780

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