

Faculty of Pharmaceutical Sciences, Faculty of Psychology and Educational Sciences

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

Language of instruction: Dutch

Programme version 5

1 Domain Component 60 credits

1.1 General Courses 35 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	J000422 Biotechnology and Protein Medicines <i>Dieter Deforce -- Department of Pharmaceutics</i>	6		1	A:1	180
2	J000423 Immunology and Immunotherapeutics <i>Dieter Deforce -- Department of Pharmaceutics</i>	3		1	A:1	90
3	J000424 Methodology and Design of Clinical Studies <i>Guy Brusselle -- Department of Internal Medicine and Pediatrics</i>	3		1	A:1	90
4	J000425 Pharmacotherapy and Pharmaceutical Care I <i>Koen Boussey -- Department of Bio-analysis</i>	6		1	A:1	180
5	J000461 Urgent Medical Aid <i>Peter De Paepe -- Department off Basic and Applied Medical Sciences</i>	3		1	A:J	90
6	J000430 Pharmaceutical Technology <i>Chris Vervae -- Department of Pharmaceutics</i>	6		2	A:J	180
7	J000332 Pharmaceutical Legislation and Deontology <i>Philippe De Buck -- Department of Pharmaceutical Analysis</i>	3		2	A:1	90
8	J000431 Pharmacotherapy and Pharmaceutical Care II <i>Koen Boussey -- Department of Bio-analysis</i>	5		2	A:1	150

1.2 Elective Courses 25 credits

Subscribe to 25 credit units from the modules from the following list, with

* no more than 6 credit units from the modules 'Elective Courses Master of Science in Pharmaceutical Care', 'Elective Courses Master of Science in Drug Development and 'Ghent University Courses including the university-wide elective courses'

* no more than 1 major (9 credit units) from the module 'Majors Master of Science in Drug Development'.

Subject to approval by the faculty.

1.2.1 Elective Courses

Subscribe to no more than 25 credit units from the following list. Subject to approval by the faculty.

Nr	Course	CRDT	Ref	MT1	Session	Study
1	J000442 Pharmaco-Epidemiology <i>Katia Verhamme -- Department of Bio-analysis</i>	3		1	A:1	90
2	J000426 Infectious Diseases and Antimicrobial Therapy <i>Tom Coenye -- Department of Pharmaceutical Analysis</i>	3		1	A:1	90
3	J000427 Special Nutrition <i>Sarah De Saeger -- Department of Bio-analysis</i>	3		1	A:1	90
4	J000428 Practical Aspects of Pharmaceutical Care <i>Leen De Bolle -- Department of Bio-analysis</i>	5		1	A:J	150
5	J000432 Drug Toxicity <i>Christophe Stove -- Department of Bio-analysis</i>	3		2	A:1	90
6	J000514 Integrated Medication-counseling and Monitoring <i>Annemie Somers -- Department of Bio-analysis</i>	8		2	A:J	240
7	J000443 Pharmacoeconomics <i>Barbara Claus -- Department of Pharmaceutical Analysis</i>	3		2	A:2	90

8	J000444	Advanced Drug Analysis and Quality [en] <i>Evelien Wynendaele -- Department of Pharmaceutical Analysis</i>	4	1	A:1	120
9	J000445	Regulatory Affairs Health Products [en] <i>Evelien Wynendaele -- Department of Pharmaceutical Analysis</i>	3	1	A:J	90
10	J000446	PK-PD in Pharmaceutical Research [en] <i>An Vermeulen -- Department of Bio-analysis</i>	3	1	A:1	90
11	J000447	Advanced Biotherapies [en] <i>Koen Raemdonck -- Department of Pharmaceutics</i>	3	1	A:J	90
12	J000449	Pharmaceutical Manufacturing Techniques [en] <i>Bruno De Geest -- Department of Pharmaceutics</i>	3	2	A:1	90
13	J000450	Clinical Trial Management [en] <i>Benedikt Van Nieuwenhove -- Department of Pharmaceutics</i>	3	2	A:2	90

1.2.2 Elective Courses Master of Science in Pharmaceutical Care

Subscribe to no more than 6 credit units from the following list. Subject to approval by the faculty.

Nr	Course	CRDT	Ref	MT1	Session	Study
1	J000434 Veterinary Pharmacy	3		2		90
2	J000435 Cosmetology <i>Kristien De Paepe -- Department of Pharmaceutics</i>	3		2	A:2	90
3	J000436 Drugs of Abuse <i>Jan Van Bocxlaer -- Department of Bio-analysis</i>	3		2	A:2	90
4	J000437 Phytotherapy <i>Emmy Tuenter -- Department of Pharmaceutics</i>	3		2	A:2	90
5	J000438 Parasitology <i>Bruno Leveck -- Department of Translational Physiology, Infectiology and Public Health</i>	3		2	A:1	90

1.2.3 Elective Courses Master of Science in Drug Development

Subscribe to no more than 6 credit units from the following list. Subject to approval by the faculty.

Nr	Course	CRDT	Ref	MT1	Session	Study
1	J000451 Bioanalytics in Drug Development [en] <i>Christophe Stove -- Department of Bio-analysis</i>	3		2	A:2	90
2	J000452 Current Topics in Microbiology [en] <i>Tom Coenye -- Department of Pharmaceutical Analysis</i>	3		2	A:2	90
3	J000453 Pharmaceutical Management Skills <i>Evelien Wynendaele -- Department of Pharmaceutical Analysis</i>	3		2	A:2	90
4	J000454 Cutting Edge Technologies for Drug Delivery - Nanomedicines [en] <i>Stefaan De Smedt -- Department of Pharmaceutics</i>	3		2	A:2	90
5	J000455 Pharmaceutical Multivariate Design and Analysis of Experiments [en] <i>Thomas De Beer -- Department of Pharmaceutical Analysis</i>	3		2	A:2	90

1.2.4 Ghent University Courses

Subscribe to no more than 6 credit units from the study programmes offered by UGent including the [Ghent University Elective Courses](#). Subject to approval by the faculty.

1.2.5 Majors Master of Science in Drug Development

Subscribe to at most 1 major from the following list. Subject to approval by the faculty.

1.2.5.1 Major Biologics 9 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	J000456 Biologics [en] <i>Koen Raemdonck -- Department of Pharmaceutics</i>	9		2	A:2	270

1.2.5.2 Major Pharmaceutical manufacturing 9 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	J000457 Pharmaceutical Manufacturing [en] <i>Thomas De Beer -- Department of Pharmaceutical Analysis</i>	9		2	A:2	270

1.2.5.3 Major Sustainability in Drug Development 9 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	J000574 Sustainability in Drug Development [en] <i>Evelien Wynendaele -- Department of Pharmaceutical Analysis</i>	9		2	A:2	270

1.2.5.4 Major Personalized Medicines

9 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	J000459 Personalized Medicines [en] <i>Dieter Deforce -- Department of Pharmaceutics</i>	9		2	A:2	270

1.2.5.5 Major Molecular imaging

9 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	J000460 Molecular Imaging [en] <i>Filip De Vos -- Department of Pharmaceutical Analysis</i>	9		2	A:2	270

2 Teaching Component

36 credits

For courses without indication of the standard learning path, the student can choose whether to take the course in the first or second year, depending on the rest of his/her curriculum. Students must complete the corresponding teaching methodology course before entering into an internship, or at least take the teaching methodology course simultaneously.

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			A:1	120
2	H002196 Classroom Management and Reflection <i>Tijs Rotsaert -- Department of Educational Studies</i>	4			A:2	120
3	H002198 Psychology of Adolescence <i>Wim Beyers -- Department of Developmental, Personality and Social Psychology</i>	4			A:1	120

2.2 Programme Pathway Teaching Methodology

6 credits

Subscribe to 6 credit units from the following list.

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:2	180
2	H002219 Teaching Methodology: Chemistry <i>Katrien Strubbe -- Department of Chemistry</i>	6			A:J	180

2.3 Programme Pathway Internship

12 credits

Subscribe to 1 module from the following list. Subject to approval by the faculty.

2.3.1 A. The student does not take an Additional Teaching Methodology Course as an Elective Course

12 credits

Subscribe to 12 credit units from the following list, with 4 credit units from the courses with reference a corresponding to the Teaching Methodology Course taken in the Programme Pathway Teaching Methodology.

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:J	100
2	H002312 Internship B: Chemistry <i>Katrien Strubbe -- Department of Chemistry</i>	4	a		A:J	108
3	H002323 Internship B: Health Sciences <i>Leen Haerens -- Department of Movement and Sports Sciences</i>	4	a		A:J	100
4	H002343 Internship C: Health Sciences <i>Leen Haerens -- Department of Movement and Sports Sciences</i>	4			A:J	100

2.3.2 B. The student takes an Additional Teaching Methodology Course as an Elective Course

12 credits

Subscribe to 12 credit units from the following list, with

- 4 credit units from the courses with reference b corresponding to the Teaching Methodology Course taken in the Programme Pathway Teaching Methodology
- 4 credit units from the courses with reference c corresponding to the Teaching Methodology Course taken in Module 2 of the Elective courses (Additional Teaching Methodology Course).

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:J	100
2	H002312 Internship B: Chemistry <i>Katrien Strubbe -- Department of Chemistry</i>	4	b		A:J	100
3	H002323 Internship B: Health Sciences <i>Leen Haerens -- Department of Movement and Sports Sciences</i>	4	b		A:J	100
4	H002331 Internship C: Biology <i>Dominique Adriaens -- Department of Biology</i>	4	c		A:J	100

5	H002330	Internship C: Chemistry <i>Katrien Strubbe -- Department of Chemistry</i>	4	c	A:J	100
6	H002343	Internship C: Health Sciences <i>Leen Haerens -- Department of Movement and Sports Sciences</i>	4	c	A:J	100

2.4 Elective Courses

6 credits

Subscribe to a 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 <i>Petra Warreyn -- Department of Experimental Clinical and Health Psychology</i>	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 <i>Joachim Waterschoot -- Department of Developmental, Personality and Social Psychology</i>	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 <i>Katrien Strubbe -- Department of Chemistry</i>	6			A:2	160

2.4.2 Module 2: Additional Course Teaching Methodology

Taking an additional Teaching Methodology Course implies taking the corresponding Internship in the Programme Pathway Internship. One "Teaching Methodology" Course, different from the one chosen in Programme Pathway Teaching Methodology. 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	H002220 Teaching Methodology: Biology <i>Dominique Adriaens -- Department of Biology</i>	6			A:J	180
2	H002219 Teaching Methodology: Chemistry <i>Katrien Strubbe -- Department of Chemistry</i>	6			A:J	180
3	H002292 Teaching Methodology: Health Sciences II <i>Leen Haerens -- Department of Movement and Sports Sciences</i>	6			A:2	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

3 Master's Dissertation

24 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	J000473 Master's Dissertation	24		2	A:2	720

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