

Faculty of Sciences, Faculty of Psychology and Educational Sciences
Master of Science in Teaching in Science and Technology -- Geology

Language of instruction: Dutch

Programme version 3

1 Domain Component 60 credits

1.1 Majors 60 credits

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

1.1.1 Major Basins and Orogens 60 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	C002607 Micropaleontology and Paleo-environmental Reconstruction [en] Stephen Louwe -- Department of Geology	6		1	A:1	150
2	C002646 Field Course: Biosphere Evolution and Stratigraphy [en] Stephen Louwe -- Department of Geology	6		1	A:1	150
3	C002645 Exploration Geophysics [en] David Van Rooij -- Department of Geology	6		1	A:1	150
4	C003335 Origin, Evolution and Modelling of Sedimentary Basins [en] Katleen Wils -- Department of Geology	6		1	A:1	150
5	C003336 Geochronology [en] Johan De Grave -- Department of Geology	6		1	A:1	150
6	C003994 Mineral Resources, Economics and the Environment [en] Stijn Dewaele -- Department of Geology	6		2	A:1	150
7	C003693 Imaging Techniques of Consolidated and Unconsolidated Sediments [en] Veerle Cnudde -- Department of Geology	6		2	A:1	176
8	C002664 Paleoclimatology [en] Dirk Verschuren -- Department of Biology	6		2	A:1	150
9	C003567 Field Course: Geology of Basins and Orogens [en] Johan De Grave -- Department of Geology	6		2	A:1	150
10	C003337 Advanced Sedimentology [en] Maarten Van Daele -- Department of Geology	6		2	A:1	156

1.1.2 Major Groundwater and Mineral Resources 60 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	C002655 Groundwater Chemistry [en] N. N.	6		1	A:1	150
2	C002656 Groundwater Modelling [en] Thomas Hermans -- Department of Geology	6		1	A:1	150
3	C002645 Exploration Geophysics [en] David Van Rooij -- Department of Geology	6		1	A:1	150
4	C003693 Imaging Techniques of Consolidated and Unconsolidated Sediments [en] Veerle Cnudde -- Department of Geology	6		1	A:1	176
5	C003994 Mineral Resources, Economics and the Environment [en] Stijn Dewaele -- Department of Geology	6		1	A:1	150
6	C004415 Hydrogeophysics Project [en] Thomas Hermans -- Department of Geology	6		2	A:1	150
7	C003996 Groundwater and Mineral Resources Apprenticeship [en] Thomas Hermans -- Department of Geology	6		2	A:1	150

8	C003995	Geology of Building Stones [en] Veerle Cnudde -- Department of Geology	6	2	A:1	176
9	C002651	Geographic Information Systems [en] Nico Van de Weghe -- Department of Geography	6	2	A:1	150
10	C002615	Environmental Impact Assessment [en] N. N.	6	2	A:1	150

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 Melissa Tuytens -- Department of Educational Studies	4			A:1	120
2	H002196 Classroom Management and Reflection Melissa Tuytens -- Department of Educational Studies	4			A:2	120
3	H002198 Psychology of Adolescence Wim Beyers -- Department of Developmental, Personality and Social Psychology	4			A:1	120

2.2 Programme Pathway Teaching Methodology

6 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	H002222 Teaching Methodology: Geography Nico Van de Weghe -- Department of Geography	6			J:J	180

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, if no additional Teaching Methodology Course is taken in Module 2 of the Elective Courses.
- 4 credit units from the courses with reference b, if an additional Teaching Methodology Course is taken in Module 2 of the Elective Courses.

Nr	Course	CRDT	Ref	MT1	Session	Study
1	H002299 Internship A: STEM Katrien Strubbe -- Department of Chemistry	4			A:J	100
2	H002317 Internship B: Geography Nico Van de Weghe -- Department of Geography	4			A:J	100
3	H002339 Internship C: Geography Nico Van de Weghe -- Department of Geography	4	a		A:J	100
4	H002330 Internship C: Chemistry Katrien Strubbe -- Department of Chemistry	4	b		A:J	100

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 Veerle Segers -- Department of Movement and Sports Sciences	4	UKV		A:2	120
2	H001838 Culture, Media and Education Kris Rutten -- Department of Educational Studies	4			A:2	120
3	H002128 Methods to Facilitate Socratic Group Discussions in the Educational Context Veerle Provoost -- Department of Philosophy and Moral Sciences	4			A:2	120
4	H002213 Motivational Psychology Maarten Vansteenkiste -- Department of Developmental, Personality and Social Psychology	5			A:1	150
5	H002344 Linguistic Proficiency in Content and Language Integrated Learning: Dutch Bart Deygers -- Department of Translation, Interpreting and Communication	3	b	2	A:2	90
6	H002247 Linguistic Proficiency in Content and Language Integrated Learning: English [en] June Eyckmans -- Department of Translation, Interpreting and Communication	3	b	2	A:2	90
7	H002248 Linguistic Proficiency in Content and Language Integrated Learning: French [fr] Pascale Hadermann -- Department of Linguistics	3	b	2	A:2	90

8	H002249	Linguistic Proficiency in Content and Language Integrated Learning: German [de] Gunther Martens -- Department of Literary Studies	3	b	2	A:2	90
9	H002246	Theory and Practice of Content and Language Integrated Learning Ulrike Vogl -- Department of Linguistics	3	a	1	A:1	90
10	H002283	Teaching Methodology: General Subjects for Technical and Vocational Education, including Internship Katrien Strubbe -- Department of Chemistry	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. 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	H002219 Teaching Methodology: Chemistry Katrien Strubbe -- Department of Chemistry	6			A:J	180

2.4.3 Module 3: Additional Internship

Nr	Course	CRDT	Ref	MT1	Session	Study
1	H002332 Short Additional Internship Katrien Strubbe -- Department of Chemistry	3			A:J	80
2	H002333 Extended Additional Internship Katrien Strubbe -- Department of Chemistry	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 24 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	C004117 Master's Dissertation N. N.	24		2	A:J	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