

Faculty of Sciences

Master of Science in Geology

Language of instruction: Dutch

Programme version 16

1 General Courses

65 credits

1.1 Major Past & Futureproof Earth

65 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	C004628 Evolution of Earth & Life – Field Records [en] <i>Thijs Vandenbroucke -- Department of Geology</i>	4		1	A:1	100
2	C004635 Evolution of Earth & Life – Sedimentary Archives [en] <i>Maarten Van Daele -- Department of Geology</i>	8		1	A:1	240
3	C004630 Methods: Advanced Rock Characterization Techniques [en] <i>Tom Bultreys -- Department of Geology</i>	8		1	A:1	235
4	C004259 Applied Geophysics [en] <i>Thomas Hermans -- Department of Geology</i>	4		1	B:1	100
5	C004631 Groundwater Modelling [en] <i>Thomas Hermans -- Department of Geology</i>	5		1	A:1	125
6	C004632 Advanced Subsurface Modelling for Sustainable Geo-energy [en] <i>Tom Bultreys -- Department of Geology</i>	5		1	A:2	130
7	C004633 Evolution of Landscapes & Tectonics – Geochronology [en] <i>Johan De Grave -- Department of Geology</i>	4		1	A:2	100
8	C004634 Research Project Design <i>David Van Rooij -- Department of Geology</i>	5		1	B:J	150
9	C004636 Evolution of Landscapes & Tectonics – Field Records [en] <i>Johan De Grave -- Department of Geology</i>	4		2	A:1	100
10	C004637 Mineral Resources, Economics & the Environment [en] <i>Stijn Dewaele -- Department of Geology</i>	8		2	A:1	200
11	C004629 Paleoclimatology, Carbon Cycle and Proxies [en] <i>Joost Frieling -- Department of Geology</i>	5		2	A:1	150
12	C004638 Geo- and Climate Hazards [en] <i>Maarten Van Daele -- Department of Geology</i>	5		2	A:1	150

2 Elective Courses

25 credits

Subscribe to 25 credit units from no less than 1 and no more than 3 modules from the following list.

Subscribe to 25 credit units from modules 2.1 Professionalisation, 2.2 Education and/or 2.3 Elective Courses UGent and other Universities.

Students taking 2.1 Professionalisation are required to take the course Professional Apprenticeship and take courses for the remaining 13 credit units from 2.1.1, 2.1.2, 2.2 and/or 2.3.

2.1 Professionalisation

Subscribe to at most 13 credit units from at most 2 modules from the following list.

Nr	Course	CRDT	Ref	MT1	Session	Study
1	C004642 Professional Apprenticeship <i>Thomas Hermans -- Department of Geology</i>	12		1	A:2	350

2.1.1 Scientific broadening

Subscribe to no more than 13 credit units from the following list.

Nr	Course	CRDT	Ref	MT1	Session	Study
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1	K001483	Sustainability: interpretations and transitions <i>Erik Paredis -- Department of Political Sciences</i>	5			A:2	150
2	C003859	Introduction to Soil Science <i>Stefaan Dondeyne -- Department of Geography</i>	5			A:2	150
3	C003539	Landscape Genesis <i>Veerle Van Eetvelde -- Department of Geography</i>	5			A:1	150
4	A003304	General Introduction to Archaeology <i>Hans Vandendriessche -- Department of Archaeology</i>	5			A:1	150
5	A006817	Archaeobotany and Archaeology [nl, en] <i>Koen Deforce -- Department of Archaeology</i>	5			A:1	150
6	C004180	3D Acquisition and Modelling <i>Alain De Wulf -- Department of Geography</i>	5			A:1	150
7	C004183	Practical Skills in Academic Geo-education <i>Nico Van de Weghe -- Department of Geography</i>	3			A:J	90
8	C004009	History and Philosophy of Sciences <i>Maarten Van Dyck -- Department of Philosophy and Moral Sciences</i>	3			B:2	90
9	I003055	Biodiversity and Nature Conservation <i>Lander Baeten -- Department of Environment</i>	4			A:1	120

2.1.2 Business Administration

Subscribe to no more than 13 credit units from the following list.

Nr	Course	CRDT	Ref	MT1	Session	Study
1	C002275 Environmental Law <i>Hendrik Schoukens -- Department of European, Public and International Law</i>	5			A:1	125
2	C003771 Databases <i>Guy De Tré -- Department of Telecommunications and Information Processing</i>	6			A:1	180
3	F000752 Environmental Economics and Policy <i>Brent Bleys -- Department of Economics</i>	4			B:2	120
4	F000859 Corporate Social Responsibility <i>Saskia Crucke -- Department of Marketing, Innovation and Organisation</i>	3			A:2	90
5	E066012 Materials Technology <i>Kim Verbeken -- Department of Materials, Textiles and Chemical Engineering</i>	4			A:2	120
6	F000845 Business Administration <i>Mirjam Knockaert -- Department of Marketing, Innovation and Organisation</i>	4			A:2	120
7	F001010 Financial Markets and Institutions <i>Rudi Vander Vennet -- Department of Economics</i>	5			A:2	150
8	F001019 Economics <i>Bruno Merlevede -- Department of Economics</i>	6			A:1	180
9	F001009 Business Cycles and Growth <i>Freddy Heylen -- Department of Economics</i>	5			A:1	150
10	F001008 Markets and Prices <i>Dirk Van de gaer -- Department of Economics</i>	5			A:1	150
11	F000768 Marketing Management <i>Maggie Geuens -- Department of Marketing, Innovation and Organisation</i>	6			A:1	180
12	F001021 Basic Entrepreneurship <i>Evy Van Lancker -- Department of Marketing, Innovation and Organisation</i>	3				90

2.2 Education

Subscribe to no more than 25 credit units from the abridged MSc in Teaching in Science and Technology (Geology). It is encouraged to include at least one teaching methodology and the associated internship, in order to gain effective classroom experience.

2.3 Elective Courses UGent and other Universities

Subscribe to no more than 5 credit units from the study programmes of UGent including the [Ghent University elective courses](#) or from other universities of the Flemish Community. Subject to approval by the faculty.

3 Master's Dissertation 30 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	C002954 Master's Dissertation	30		2	A:J	900

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 2027-2028	f: annually, from 2028-2029	i: annually, from 2029-2030
b: tri-annually	d: bi-annually, from 2027-2028	g: bi-annually, from 2028-2029	j: bi-annually, from 2029-2030
	e: tri-annually, from 2027-2028	h: tri-annually, from 2028-2029	k: tri-annually, from 2029-2030