

Cycle view of the study programme

B1 Or Th Pr Au Cr

Focus compulsory courses (B2 : 10Cr)

SSTG0011-1 *Work placement* - COLLÉGIALITÉ, Valentin FISCHER - [4w Internship] B2 Q2 - - [+] 10

Focus optional courses (B2 : 20Cr)

Choose courses, with the approval of the Jury, totalling 20 credits among : (B2 : 20Cr)

[...] choose extra courses from the ULiège curriculum that haven't already been chosen for a total of 11 to 20 credits

[...] Maximum 9 ECTS can be chosen in the courses' programme of another university

Compulsory courses (B1 : 15Cr, B2 : 30Cr)

GEOL0210-1 *Fieldwork in foreign countries* - Olivier BOLLE, Bernard CHARLIER, AnneChristine DA SILVA, Nathalie FAGEL, Valentin FISCHER, Frédéric HATERT, HansBalder HAVENITH, Cyrille PRESTIANNI, Jacqueline VANDER AUWERA - [10d FW] B1 Q2 - - [+] 5

GEOL0301-1 *Cartography and geomodelling (personnal work)* - HansBalder HAVENITH - [15d FW] B1 TA 10 30 [+] 10

SMEM0022-1 *Final thesis* - COLLÉGIALITÉ, Jacqueline VANDER AUWERA B2 TA - - - 27

GEOL0318-1 *Scientific writing and communication* - Annick ANCEAU, COLLÉGIALITÉ B2 Q1 10 10 - 3

Optional courses (B1 : 45Cr)

In agreement with the Jury, choose courses not already taken for a total of 45 credits, in at least two different fields, among: (B1 : 45Cr)

Resources and methods

GEOL0209-1 *Isotopic geochemistry* - Jacqueline VANDER AUWERA (Odd years) B1 Q1 20 10 - 3

GEOL1041-1 *Gemmology* - Frédéric HATERT B1 Q1 15 15 - 3

GEOL0296-1 *Clays and environment* - Nathalie FAGEL - [1d FW] (Even years) B1 Q1 15 15 [+] 4

GEOL0020-7 *Mineral resources* (english language) - Eric PIRARD - [1d FW, 26h Labo., 32h Proj.] B1 Q1 26 - [+] 5

GEOL0277-1 *Groundwater quality and protection* (english language) - Serge BROUYÈRE, Philippe ORBAN - [1d FW, 35h Proj.] B1 Q1 20 20 [+] 5

GEOL0313-1 *Remediation of contaminated sites* (english language) - Serge BROUYÈRE - [2d FW, 40h Proj.] B1 Q1 24 24 [+] 4

GEOL0237-2 *Exploitation of mineral deposits* (english language) - Nicolas VASBINDER - [2d FW] B1 Q1 25 15 [+] 5

GEOL0021-7 *Geophysical prospecting* - Frédéric NGUYEN - [5d FW, 20h Proj.] B1 Q2 26 20 [+] 5

GCIV0620-1 *Introduction to geotechnics*
- Part A - Bertrand FRANÇOIS - [1d FW] B1 Q1 20 10 [+] 5
- Part B - Bertrand FRANÇOIS 10 10 -

CRIS0204-1 *Complement of crystallography* - Frédéric HATERT B1 Q2 15 10 - 3

GEOL1040-1 *Metallogeny* - Bernard CHARLIER B1 Q2 15 15 - 4

GEOL0008-2 *Hydrocarbons and energy transition - Exploration*
- Energy context and exploration of hydrocarbons - Pierre CORNET B1 Q1 15 - - 4
- Additional theory and practice - Pierre CORNET 5 20 -

GEOL1050-1 *Hydrocarbons and the energy transition - Techniques for extracting hydrocarbons and reducing emissions* - Xavier LIMPENS B1 Q1 15 - - 3

GEOL1046-1 *Geothermal energy* (english language) - Bertrand FRANÇOIS, Philippe ORBAN - [40h Proj., 1d FW] B1 Q2 18 15 [+] 5

PHYS0999-1 *Digital creation in sciences* - Roland BILLEN, Valentin FISCHER, B1 TA 10 - [+] 5

Study programmes 2024-2025

Faculty of Sciences

Master in geology, research focus

Pierre MATHONET, JeanChristophe MONBALIU, Eric PARMENTIER,
Nicolas VANDEWALLE - [30h Proj.]

Evolution of the Earth and the biosphere

GEOL0099-1	<i>Biodiversity and extinctions</i> (english language) - Valentin FISCHER - [2d FW]	B1	Q1	25	-	[+]	3
GEOL0224-2	<i>Paleoclimatology</i> - Nathalie FAGEL - [1d FW]	B1	Q1	15	15	[+]	3
GEOL1022-2	<i>Origin and early evolution of life</i> (english language) - Emmanuelle JAVAUX	B1	Q1	20	10	-	3
GEOL1049-1	<i>Palaeobiology</i> (english language) - Julien DENAYER, Valentin FISCHER - [2d FW]	B1	Q1	25	15	[+]	4
SPAT0027-3	<i>Climate change and impacts</i> (english language) - Louis FRANÇOIS, Guy MUNHOVEN	B1	TA	30	30	-	5
CLIM0009-1	<i>Biogeochemical cycle modelling and global changes</i> - Louis FRANÇOIS	B1	Q1	20	20	-	4
SPAT0054-1	<i>Astrophysics and astrochemistry</i> - Michaël DE BECKER	B1	Q2	20	-	-	3
GEOL0263-1	<i>Astrobiology</i> (english language) - Vincianne DEBAILLE, Emmanuelle JAVAUX, Yaël NAZÉ, Annick WILMOTTE	B1	Q2	45	-	-	5
GEOL0282-2	<i>Sedimentary and environmental geochemistry</i> - Nathalie FAGEL	B1	Q1	15	15	-	3
GEOL1023-1	<i>Palynology</i> - Cyrille PRESTIANNI	B1	Q2	30	-	-	4

Geological processes

GEOG0670-1	<i>Active Tectonics and Seismology</i> (english language) - Clara BRERETON, HansBalder HAVENITH, Aurelia HUBERT - [2d FW]	B1	Q1	20	10	[+]	5
GEOL0319-1	<i>Geological hazard and risk assessment, From theory to field work</i> (english language) - HansBalder HAVENITH - [2d FW, 20h Proj.] (Odd years)	B1	Q2	20	5	[+]	5
GEOL0213-1	<i>Geodynamics</i> - Bernard BINGEN	B1	Q2	15	-	-	3
GEOG0212-1	<i>Pedology</i> - Gilles COLINET, JeanThomas CORNELIS - Suppl : Gilles COLINET, Marie DINCHER - [1d FW] (Even years)	B1	Q2	15	8	[+]	3
GEOL1039-2	<i>Geological oceanography, From theory to field work</i> - Nathalie FAGEL - [1d FW]	B1	Q1	20	20	[+]	4
GEOL0256-1	<i>Marine sediment geochemistry</i> (english language) - Nathalie FAGEL	B1	Q1	15	15	-	4
GEOL0292-1	<i>Sedimentology applied to archaeology</i> - Stéphane PIRSON - [8d FT Tr. Pr.]	B1	Q2	30	-	[+]	5
GEOL0302-1	<i>Volcanology</i> - Jacqueline VANDER AUWERA (Even years)	B1	Q1	15	15	-	4
GEOL0223-1	<i>Complement of tectonics</i> - Olivier BOLLE (Even years)	B1	Q2	15	15	-	4

[...] One or two listed courses chosen from programmes in other parts of the Faculty of Sciences, other faculties or other universities.

Bridging courses (max 60 credits) Master in geology (120 credits)

Compulsory courses (B0 : 54Cr)

GEOL1033-1	<i>Crystallography and Mineralogy - Part A</i> - Frédéric HATERT	B0	Q1	20	30	-	4
PALE0202-3	<i>Paleobotany</i> - Cyrille PRESTIANNI - Suppl : Valentin FISCHER - [1d FW]	B0	Q2	20	20	[+]	4

GEOL1034-1	<i>Crystallography and Mineralogy - Part B</i> - Frédéric HATERT - [3d FW]	B0	Q2	10	20	[+]	4
GEOL0018-1	<i>Sedimentology and sedimentary petrology</i> - AnneChristine DA SILVA	B0	Q1	20	20	-	4
GEOL0029-5	<i>Tectonics</i> - Part A - Olivier BOLLE - Part B - Olivier BOLLE	B0	Q1	30 10	20 10	- -	5
GEOL0013-5	<i>Hydrogeology</i> - Part A - Serge BROUYÈRE - [1d FW] - Part B - Serge BROUYÈRE - [10h Proj.]	B0	Q1	26 -	20 -	[+] [+]	4
GEOL0320-1	<i>Cosmochemistry and geochemistry</i> - Jacqueline VANDER AUWERA	B0	Q1	25	-	-	2
GEOL1035-1	<i>Magmatic Petrology</i> - Jacqueline VANDER AUWERA	B0	Q1	15	25	-	4
GEOL1037-2	<i>Analytical mineralogy, Part A</i> - Frédéric HATERT	B0	Q2	10	10	-	2
GEOL0284-1	<i>Geology of Wallonia</i> - AnneChristine DA SILVA - [6d FW]	B0	Q2	20	-	[+]	4
GEOL0268-2	<i>Introduction to Research</i> - Annick ANCEAU, COLLÉGIALITÉ	B0	Q2	20	20	-	5
GEOL0300-1	<i>Structural geology and geomorphology, digital mapping</i> - HansBalder HAVENITH - [3d FW]	B0	Q2	10	20	[+]	3
GEOL1036-1	<i>Metamorphic Petrology</i> - Jacqueline VANDER AUWERA	B0	Q2	15	25	-	3
GEOL0321-1	<i>Sedimentary geochemistry</i> - Nathalie FAGEL	B0	Q2	15	15	-	2
LANG0077-1	<i>English 2 (english language)</i> - Clara BRERETON, Véronique DOPPAGNE	B0	TA	45	-	-	3