

Cycle view of the study programme

		Bl	Or	Th	Pr	Au	Cr
Compulsory courses (B1 : 37Cr, B2 : 30Cr)							
GEOL0210-1	<i>Fieldwork in foreign countries</i> - Olivier BOLLE, Bernard CHARLIER, AnneChristine DA SILVA, Nathalie FAGEL, Valentin FISCHER, Frédéric HATERT, HansBalder HAVENITH, Emmanuelle JAVAUX, Jacqueline VANDER AUWERA - [10d FW]	B1	Q2	-	-	[+]	5
GEOL0301-1	<i>Cartography and geomodelling (personnal work)</i> - HansBalder HAVENITH - [15d FW]	B1	Q2	10	30	[+]	10
GEOL0297-1	<i>Diagenesis and dynamics of sedimentary basins</i> - Frédéric BOULVAIN, AnneChristine DA SILVA	B1	Q1	15	15	-	3
GEOL0099-1	<i>Evolution of the Phanerozoic biosphere (english language)</i> - Valentin FISCHER - [2d FW]	B1	Q1	20	-	[+]	3
GEOL1022-2	<i>Precambrian paleobiogeology</i> - Emmanuelle JAVAUX	B1	Q1	20	10	-	3
GEOL0209-1	<i>Isotopic geochemistry</i> - Jacqueline VANDER AUWERA	B1	Q1	20	10	-	3
GEOL1041-1	<i>Gemmology and Analytical Mineralogy</i> - Frédéric HATERT	B1	Q1	15	15	-	3
GEOL0282-2	<i>Sedimentary and environmental geochemistry</i> - Nathalie FAGEL	B1	Q1	15	15	-	3
GEOL0304-1	<i>Introduction to neotectonics, seismology and physical volcanology (english language)</i> - Clara BRERETON, HansBalder HAVENITH - [2d FW]	B1	Q1	25	15	[+]	4
SMEM0022-1	<i>Final thesis</i> - COLLÉGIALITÉ	B2	TA	-	-	-	27
GEOL0318-1	<i>Scientific writing and communication</i> - Annick ANCEAU, COLLÉGIALITÉ	B2	Q1	-	20	-	3
	Corequisite : SMEM0022-1 - Mémoire						

Optional courses (B1 : 23Cr, B2 : 30Cr)

In agreement with the jury, chose courses that haven't already been taken for a total of 23 credits, in at least two different areas, from among: (B1 : 23Cr)

Resources and methods

GEOL0296-1	<i>Clays and environment</i> - Nathalie FAGEL - [1d FW] (Even years)	B1	Q1	15	15	[+]	4
GEOL0020-7	<i>Mineral resources (english language)</i> - Eric PIRARD - [1d FW, 26h Labo., 32h Proj.]	B1	Q1	26	-	[+]	5
GEOL0277-1	<i>Groundwater quality and protection (english language)</i> - Serge BROUYÈRE - [1d FW, 35h Proj.]	B1	Q1	20	20	[+]	5
GEOL0313-1	<i>Remediation of contaminated sites (english language)</i> - Serge BROUYÈRE - [2d FW, 40h Proj.]	B1	Q1	24	24	[+]	4
GEOL0237-2	<i>Exploitation of mineral deposits</i> - - Suppl : Eric POOT - [2d FW]	B1	Q1	25	15	[+]	5
GEOL1021-1	<i>Introduction to geophysical exploration</i> - Lucien HALLEUX, Frédéric NGUYEN - [5d FW]	B1	Q2	30	30	[+]	6
GCIV0620-1	<i>Introduction to geotechnics</i> - Part A - Robert CHARLIER - [1d FW] - Part B - Robert CHARLIER	B1	Q1	20	10	[+]	5
				10	10	-	
GEOL0048-2	(pas organisé en 2020-2021) <i>Statistical Analysis of Geological Data</i>	B1	Q2	15	35	-	5
CRIS0204-1	<i>Complement of crystallography</i> - Frédéric HATERT	B1	Q2	15	10	-	3
GEOL1040-1	<i>Metallogeny</i> - Bernard CHARLIER	B1	Q2	15	15	-	4
GEOL0008-2	<i>Hydrocarbons in the energy transition</i> - <i>Geology applied to the exploration of hydrocarbons</i> - Pierre CORNET - <i>Additional theory and practice</i> - Pierre CORNET	B1	Q1	15	-	-	4
				5	20	-	

Corequisite :

GEOL1050-1 - Les hydrocarbures non conventionnels dans la transition énergétique

GEOL1050-1 *Unconventional hydrocarbons in the energy transition* - Xavier LIMPENS B1 Q1 15 - - 3

Corequisite :

GEOL0008-2 - Les hydrocarbures dans la transition énergétique

GEOL0225-3 *Analytical geochemistry* - Nathalie FAGEL - [1d FW] B1 Q1 10 10 [+] 3

GEOL1046-1 *Geothermy (english language)* - Robert CHARLIER, Alain DASSARGUES, HansBalder HAVENITH - [40h Proj., 1d FW] B1 Q2 18 15 [+] 5

Evolution of the Earth and the biosphere

GEOL1049-1 *Palaeobiology (english language)* - Julien DENAYER, Valentin FISCHER - [2d FW] B1 Q1 25 15 [+] 4

SPAT0027-3 *Climate change and impacts (english language)* - Louis FRANÇOIS, Guy MUNHOVEN B1 TA 15 45 - 5

CLIM0009-1 *Biogeochemical cycle modelling and global changes* - Louis FRANÇOIS B1 Q1 20 20 - 4

SPAT0054-1 *Astrophysics and astrochemistry* - Michaël DE BECKER B1 Q2 15 5 - 3

GEOL0263-1 *Astrobiology (english language)* - Vincianne DEBAILLE, Véronique DEHANT, Emmanuelle JAVAUX, Yaël NAZÉ, Annick WILMOTTE B1 Q2 45 - - 5

GEOL0224-2 *Paleoclimatology* - Nathalie FAGEL - [1d FW] (Odd years) B1 Q1 15 15 [+] 4

GEOL1023-1 *Palynology - advanced course on Paleozoic spores* - Philippe STEEMANS (Odd years) B1 Q2 30 - - 4

Geological processes

GEOL0319-1 *Geological hazard and risk assessment, From theory to field work (english language)* - HansBalder HAVENITH - [2d FW] (Odd years) B1 Q2 25 10 [+] 4

GEOL0213-1 *Geodynamics* - Bernard BINGEN B1 Q2 15 - - 3

Corequisite :

GEOL0209-1 - Géochimie isotopique et géochronologie

GEOG0212-1 *Pedology* - Gilles COLINET, JeanThomas CORNELIS - Suppl : Marie DINCHER - [1d FW] (Even years) B1 Q2 15 8 [+] 3

GEOL1039-2 *Geological oceanography, From theory to field work* - Nathalie FAGEL - [1d FW] B1 Q1 20 20 [+] 4

GEOL0256-1 *Marine sediment geochemistry (english language)* - Nathalie FAGEL B1 Q1 15 15 - 4

GEOL0292-1 *Sedimentology applied to archaeology* - Stéphane PIRSON - [8d FT Tr. Pr.] B1 Q2 30 - [+] 5

GEOL0302-1 *Volcanology* - Jacqueline VANDER AUWERA (Even years) B1 Q2 20 30 - 5

Corequisite :

GEOL0209-1 - Géochimie isotopique et géochronologie

GEOL0223-1 *Complement of tectonics* - Olivier BOLLE (Even years) B1 Q2 15 15 - 4

GEOL0303-1 *Geomagnetism and environmental magnetism (english language)* - AnneChristine DA SILVA (Even years) B1 Q2 15 5 - 3

GEOL1030-1 *Meteoric palaeoweathering* - Johan YANS - [1d FW] (Odd years) B1 Q2 12 12 [+] 3

[...] 1 or 2 course(s) from the courses' programme of the University of Liege

Single focus (B2 : 1Nbr)

Research Focus (B2 : 30Cr)

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

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

Additional ECTS (max 60) Master in geology (120 ECTS)

Optional courses (B0 : 60Cr)

The update course, worth a maximum of 60 credits, will be determined based on students' prior training. (B0 : 60Cr)

- [...] At most 60 credits of courses from "Bachelier en sciences géologiques"