

#### Cycle view of the study programme

		B1	Or	Th	Pr	Au	Cr
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#### Focus compulsory courses (B1 : 16Cr, B2 : 14Cr)

DROI8041-3	<i>Property law</i> - <i>Founding principles</i> - Pascale LECOCQ - <i>Practical case</i> - Pascale LECOCQ - Suppl : Noémie GOFFLOT	B1	Q2				5
			32	-	-		
			13	-	-		
GCIV0620-2	<i>Introduction to geotechnics, Part A</i> - Bertrand FRANÇOIS - [1d FW]	B1	Q1	20	10	[+]	3
GCIV0621-1	<i>Urban and environmental hydraulics</i> - Michel PIROTTON	B1	Q2	25	15	-	3
GEOG2038-1	<i>Roadway and diverse networks</i> - Pierre ARCHAMBEAU, Frédéric COLLIN, N... - [40h Proj.]	B1	Q2	5	15	[+]	5
GEOG0068-1	<i>Integrated project "Land surveyor"</i> - Roberta RAVANELLI - [8d FW]	B2	Q1	10	20	[+]	8
GEOG0645-1	<i>Professional practices: the geometrist</i> - N... - [5d FW]	B2	Q2	20	10	[+]	6

#### Core curriculum compulsory courses (B1 : 44Cr, B2 : 36Cr)

##### Core courses common to the study paths

GEOG0650-2	<i>Impact studies</i> - Guénaël DEVILLET	B1	Q2	10	20	-	3
CLIM0026-1	<i>Global warming and natural risks</i> (english language) - Xavier FETTWEIS, JeanPascal VAN YPERSELE	B1	Q2	10	20	-	3
GEOG2028-1	<i>Introduction to spatial planning: planning systems and the major challenges of the contemporary world</i> - JeanMarie HALLEUX - [1d FW]	B1	Q1	15	15	[+]	3
GEOG0057-1	<i>Spatial analysis</i> - François JONARD	B1	Q2	30	30	-	5
SSTG0061-1	<i>Internship</i> - COLLÉGIALITÉ - [6w Internship]	B2	TA	-	-	[+]	6
SMEM0043-1	<i>Final thesis</i> - COLLÉGIALITÉ	B2	TA	-	-	-	20

##### Courses specific to the Study Path

GEOG0037-1	<i>Global Navigation Satellite Systems</i> - René WARNANT	B1	Q1	40	15	-	5
GEOG0626-1	<i>Observation Theory</i> (english language) - Roberta RAVANELLI	B1	Q1	20	30	-	5
GEOG0060-1	<i>Remote sensing</i> - François JONARD	B1	Q1	30	30	-	5
GEOG0053-1	<i>Topography</i> (english language) - <i>Part A</i> - Roberta RAVANELLI - <i>Part B</i> - Roberta RAVANELLI - [1d FW]	B1	Q1	20	10	-	5
				10	5	[+]	
GEOG0059-1	<i>Infrastructures of spatial data</i> - Roland BILLEN, JeanPaul KASPRZYK	B1	Q1	30	30	-	5
GEOG0062-1	<i>Geovisualization</i> - Pierre HALLOT	B1	Q2	30	30	-	5
GEOG0063-1	<i>3D data acquisition and processing</i> (english language) - Roberta RAVANELLI - [2d FW]	B2	Q1	10	40	[+]	5
GEOG0038-1	<i>GNSS data processing</i> - René WARNANT	B2	Q1	25	30	-	5

Students from the Bachelor in Geography: general, who have already followed some of the courses, may, with the Jury's agreement, follow alternative courses in the Université of Liège course programme for the same number of credits.

#### Common core courses (B2 : 10Cr)

##### Courses specific to the Study Path

In agreement with the jury, chose courses for a total of 10 credits from among: (B2 : 10Cr)

GCIV0184-5	<i>Building Materials</i> - Luc COURARD, Anne HABRAKEN - [0,5d FW, 12h Labo., 12h Proj.]	B2	Q2	36	16	[+]	5
GEOG0066-1	<i>GNSS project</i> - René WARNANT - [60h Proj.]	B2	Q2	5	10	[+]	5
GEOG0067-1	<i>Remote sensing project</i> - François JONARD - [80h Proj.]	B2	Q2	-	-	[+]	5
GEOG0618-1	<i>Urban and territorial economy: real estate markets</i> -	B2	Q2	15	10	-	3

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SPOL2209-3	<i>Territorial development and the environment: Policies and legal aspects</i> - Sophie HANSON	B2	Q1	30	-	-	2
INFO8010-1	<i>Deep learning</i> (english language) - Gilles LOUPPE - [60h Proj.]	B2	Q2	30	-	[+]	5
PHYS0999-1	<i>Digital creation in sciences</i> - Roland BILLEN, Valentin FISCHER, Pierre MATHONET, JeanChristophe MONBALIU, Eric PARMENTIER, Nicolas VANDEWALLE - [30h Proj.]	B2	TA	10	-	[+]	5
[...]	the courses programme from other study fields of the Faculty of Sciences, from other faculties or from other universities						

## Bridging courses Master in geography: geomatics (120 credits)

### Optional courses (B0 : 60Cr)

Depending on the student's prior education and with the agreement of the Jury, choose, if necessary, courses for a maximum of 60 credits from the list below, the Bachelor in Geographic Sciences programme, general, or the programme of another field of study at ULiège. (B0 : 60Cr)

INFO0201-1	<i>Introduction to computer programming</i> - Peter SCHLAGHECK	B0	Q2	20	40	-	5
MATH0509-1	<i>General mathematics I</i> - Arnout VAN MESSEM	B0	Q1	25	30	-	6
MATH0009-6	<i>General mathematics II</i> - Françoise BASTIN	B0	Q2	15	15	-	3
STAT0807-1	<i>Descriptive statistics</i> - Arnout VAN MESSEM	B0	Q1	10	10	-	2
STAT0808-1	<i>Inferential statistics</i> - Samuel NICOLAY	B0	Q1	20	20	-	4
STAT0750-1	<i>Multivariate statistical analysis (software R)</i> - Arnout VAN MESSEM	B0	Q2	10	10	-	2
PHYS0985-1	<i>General physics I</i> - Philippe GHOSEZ	B0	Q2	45	40	-	8
PHYS0986-1	<i>General physics II</i> - Alejandro SILHANEK	B0	Q1	45	35	-	6
[...]	Bachelor in geography: general courses						
[...]	course from a programme in another field of education						