

#### Block view of the study programme

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#### Block 1

##### Cours obligatoires de la finalité

DROI8041-3	<i>Property law</i> - <i>Founding principles</i> - Pascale LECOCQ - <i>Practical case</i> - Pascale LECOCQ - Suppl : Noémie GOFFLOT	Q2							<b>5</b>
			32	-	-				
			13	-	-				
GCIV0620-2	<i>Introduction to geotechnics, Part A</i> - Bertrand FRANÇOIS - [1d FW]	Q1	20	10	[+]				<b>3</b>
GCIV0621-1	<i>Urban and environmental hydraulics</i> - Michel PIROTON	Q2	25	15	-				<b>3</b>
GEOG2038-1	<i>Roadway and diverse networks</i> - Pierre ARCHAMBEAU, Frédéric COLLIN, N... - [40h Proj.]	Q2	5	15	[+]				<b>5</b>

##### Cours obligatoires du tronc commun

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

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

##### Courses specific to the Study Path

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

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.

#### Block 2

##### Cours obligatoires de la finalité

GEOG0068-1	<i>Integrated project "Land surveyor"</i> - Roberta RAVANELLI - [8d FW]	Q1	10	20	[+]				<b>8</b>
GEOG0645-1	<i>Professional practices: the geotrist</i> - N... - [5d FW]	Q2	20	10	[+]				<b>6</b>

##### Cours obligatoires du tronc commun

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

SSTG0061-1	<i>Internship</i> - COLLÉGIALITÉ - [6w Internship]	TA	-	-	[+]				<b>6</b>
SMEM0043-1	<i>Final thesis</i> - COLLÉGIALITÉ	TA	-	-	-				<b>20</b>

##### Courses specific to the Study Path

GEOG0063-1	<i>3D data acquisition and processing</i> (english language) - Roberta RAVANELLI - [2d FW]	Q1	10	40	[+]				<b>5</b>
GEOG0038-1	<i>GNSS data processing</i> - René WARNANT	Q1	25	30	-				<b>5</b>

#### Common core courses

##### Courses specific to the Study Path

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

GCIV0184-5	<i>Building Materials</i> - Luc COURARD, Anne HABRAKEN - [0,5d FW, 12h Labo., 12h Proj.]	Q2	36	16	[+]	5
GEOG0066-1	<i>GNSS project</i> - René WARNANT - [60h Proj.]	Q2	5	10	[+]	5
GEOG0067-1	<i>Remote sensing project</i> - François JONARD - [80h Proj.]	Q2	-	-	[+]	5
GEOG0618-1	<i>Urban and territorial economy: real estate markets</i> - JeanMarie HALLEUX	Q2	15	10	-	3
SPOL2209-3	<i>Territorial development and the environment: Policies and legal aspects</i> - Sophie HANSON	Q1	30	-	-	2
INFO8010-1	<i>Deep learning</i> (english language) - Gilles LOUPPE - [60h Proj.]	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.]	TA	10	-	[+]	5

[...] the courses programme from other study fields of the Faculty of Sciences, from other faculties or from other universities

#### Bloc d'aménagement du programme de l'année

### Additional ECTS Master in geography: geomatics (120 ECTS)

#### Optional courses

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.

INFO0201-1	<i>Introduction to computer programming</i> - Peter SCHLAGHECK	Q2	20	40	-	5
MATH0509-1	<i>General mathematics I</i> - Arnout VAN MESSEM	Q1	25	30	-	6
MATH0009-6	<i>General mathematics II</i> - Françoise BASTIN	Q2	15	15	-	3
STAT0807-1	<i>Descriptive statistics</i> - Arnout VAN MESSEM	Q1	10	10	-	2
STAT0808-1	<i>Inferential statistics</i> - Samuel NICOLAY	Q1	20	20	-	4
STAT0750-1	<i>Multivariate statistical analysis (software R)</i> - Arnout VAN MESSEM	Q2	10	10	-	2
PHYS0985-1	<i>General physics I</i> - Philippe GHOSEZ	Q2	45	40	-	8
PHYS0986-1	<i>General physics II</i> - Alejandro SILHANEK	Q1	45	35	-	6

[...] Bachelor in geography: general courses

[...] course from a programme in another field of education