

## Block view of the study programme

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### Block 1

#### Core curriculum compulsory courses

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

GEOG0650-2	<i>Impact studies</i> - Guénaël DEVILLET	Q2	10	20	-	3
CLIM0026-1	<i>Global warming and natural risks</i> (english language) - Xavier FETTWEIS, JeanPascal VAN YPERSELE	Q2	15	15	-	3
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	[+]	3
GEOG0057-1	<i>Spatial analysis</i> - François JONARD, JeanPaul KASPRZYK	Q2	30	30	-	5

##### Courses specific to the Study Path

GEOG0037-1	<i>Global Navigation Satellite Systems</i> - René WARNANT	Q1	40	15	-	5
GEOG0626-1	<i>Observation Theory</i> (english language) - Roberta RAVANELLI	Q1	20	30	-	5
GEOG0060-1	<i>Remote sensing</i> - François JONARD	Q1	30	30	-	5
GEOG1053-1	<i>Topography</i> (english language) - Roberta RAVANELLI - [1d FW]	Q1	30	15	[+]	5
GEOG0059-1	<i>Infrastructures of spatial data</i> - Roland BILLEN, JeanPaul KASPRZYK	Q1	30	30	-	5
GEOG0062-1	<i>Geovisualization</i> - Pierre HALLOT	Q2	30	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.

#### Focus compulsory courses

INFO0009-2	<i>Database (general organisation)</i> - Christophe DEBRUYNE - [25h Proj.]	Q2	26	26	[+]	5
INFO0902-1	<i>Data structures and algorithms</i> - Pierre GEURTS - [40h Proj.]	Q2	26	20	[+]	6
INFO0062-1	<i>Object-oriented programming</i> (english language) - Bernard BOIGELOT - [20h Proj.]	Q2	25	20	[+]	5

Students 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

#### Core curriculum compulsory courses

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

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

##### Courses specific to the Study Path

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

#### 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
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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>Land and property economics for development</i> - JeanMarie HALLEUX	Q2	15	10	-	3
SPOL2209-3	<i>Territorial development and the environment: Policies and legal aspects</i> - Sophie HANSON, Alexandre PIRSON	Q1	30	-	-	2
PHYS0999-1	<i>Digital creation in sciences</i> - Roland BILLEN, Valentin FISCHER, JeanChristophe MONBALIU, Eric PARMENTIER, Michel RIGO, 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					

**Focus compulsory courses**

ELEN0062-1	<i>Introduction to machine learning</i> (english language) - Pierre GEURTS, Louis WEHENKEL - [40h Proj.]	Q1	30	5	[+]	5
GEOG0069-1	<i>Research and development in geoinformation</i> - Roland BILLEN, JeanPaul KASPRZYK	Q1	30	30	-	4
GEOG0070-1	<i>GIS project</i> - Roland BILLEN - [80h Proj.]	Q2	-	-	[+]	5

Students 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.

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

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

**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.

GEOG2059-1	<i>Introduction to programming in geosciences</i> - Xavier FETTWEIS, Christoph KITTEL	Q1	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>Analyse statistique multivariée (logiciel R)</i> - Arnout VAN MESSEM	Q2	10	14	-	2
PHYS0985-1	<i>General physics I</i> - Philippe GHOSEZ	Q2	45	40	-	8
PHYS0986-1	<i>General physics II</i> - Alejandro SILHANEK - Suppl : Thomas NOBLET	Q1	45	35	-	6
[...]	Bachelor in geography: general courses					
[...]	course from a programme in another field of education					