

Block view of the study programme

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Block 1

Compulsory courses

Core courses common to the study paths

GEOG0650-2	<i>Impact studies</i> - Guénaël DEVILLET	Q2	10	20	-	3
GEOG0042-2	<i>Geomorphic challenges in a changing world</i> (english language) - Alain DEMOULIN, Geoffrey HOUBRECHTS, Aurelia HUBERT	Q2	10	20	-	3
GEOG2028-1	<i>Introduction to spatial planning</i> - JeanMarie HALLEUX - [1d FW]	Q1	15	15	[+]	3
GEOG0057-1	<i>Operational GIS</i> - François JONARD	Q1	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>Theory of errors</i> - René WARNANT	Q1	20	30	-	5
GEOG0060-1	<i>Remote sensing</i> - François JONARD	Q2	25	25	-	5
GEOG0053-1	<i>Topography</i> - Part A - Roland BILLEN - Part B - Nicolas SARTON - [1d FW]	Q1	20	10	-	5
			10	5	[+]	
GEOG0059-1	<i>GIS design</i> - Roland BILLEN	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.

Optional courses

Choose one focus from the following :

Professional focus in land surveyor

DROI8041-3	<i>Property law</i> - <i>Founding principles</i> - Pascale LECOCQ - <i>Practical case</i> - Pascale LECOCQ - Suppl : Noémie GOFFLOT	Q2	32	-	-	5
			13	-	-	
GEOG0645-1	<i>Professional practices : the geometrist</i> - Roland BILLEN	Q2	20	10	-	3
GEOG0071-1	<i>Complement of topography</i> - Roland BILLEN - [1d FW]	Q2	20	30	[+]	5
GEOG0267-1	<i>Land Administration</i> - Roland BILLEN, JeanMarie HALLEUX - [1d FW]	Q2	15	15	[+]	3

Professional focus in geodata expert

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 taken certain courses shall choose alternative courses in the University of Liège's course programme, with the jury's approval, for the same number of credits.

Block 2

Compulsory courses

Core courses common to the study paths

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

Optional courses

Courses specific to the Study Path

In agreement with the Jury, choose one or two module(s) for a total of 20 credits from: (exceptionally and in a duly justified manner, the student may choose one or more courses in another module)

"Geomatics applied to civil engineering" module

GCIV0620-2	<i>Introduction to geotechnics, Part A</i> - Bertrand FRANÇOIS - [1d FW]	Q1	20	10	[+]	3
GCIV0626-1	<i>Constructions : materials and pathologies</i> - Shady ATTIA, Roland BILLEN, Luc COURARD - [1d FW]	Q2	40	20	[+]	7
GCIV0621-1	<i>Urban and environmental hydraulics</i> - Pierre ARCHAMBEAU, Michel PIROTON	Q2	25	15	-	4
GEOG2038-1	<i>Roadway and diverse networks</i> - Pierre ARCHAMBEAU, Roland BILLEN, Frédéric COLLIN - [40h Proj.]	Q2	5	15	[+]	6

"3D reconstruction" module (Not organised in 2021-2022)

GEOG0063-1	(pas organisé en 2021-2022) <i>3D Acquisition</i> - N... - [0,5d FW]	Q1	10	20	[+]	2
GEOG0064-1	(pas organisé en 2021-2022) <i>3D Recognition & Understanding</i> - N...	Q1	20	25	-	3
GEOG0065-1	(pas organisé en 2021-2022) <i>Immersive 3D Environment</i> - N... - [40h Proj.]	Q2	10	15	[+]	5

"GNSS" module

GEOG0038-1	<i>Advanced GNSS</i> - René WARNANT	Q1	25	30	-	5
GEOG0066-1	<i>GNSS project</i> - René WARNANT - [60h Proj.]	Q2	5	10	[+]	5

"Remote Sensing" module

ENVT3060-1	<i>Very high resolution remote sensing applied to the management of natural environments</i> - Philippe LEJEUNE	Q1	18	36	-	5
GEOG0067-1	<i>Remote sensing project</i> - Philippe LEJEUNE, N... - [80h Proj.]	Q2	-	-	[+]	5

Follow-up to the focus :

Professional focus in land surveyor

SPOL2209-3	<i>Environmental and land policies</i> - Sophie HANSON	Q1	30	-	-	2
GEOG0068-1	<i>"Geometrist" integrated project</i> - Roland BILLEN, Nicolas SARTON - [8d FW]	Q1	20	5	[+]	10
GEOG0618-1	<i>Real estate markets</i> - JeanMarie HALLEUX	Q2	15	15	-	2

Professional focus in geodata expert

INFO8006-1	<i>Introduction to artificial intelligence (english language)</i> - Gilles LOUPPE - [45h Proj.]	Q1	25	20	[+]	5
GEOG0069-1	<i>Advanced GIS</i> - Roland BILLEN	Q1	30	30	-	4
GEOG0070-1	<i>GIS project</i> - Roland BILLEN - [80h Proj.]	Q2	-	-	[+]	5

Students who have already taken certain courses shall choose alternative courses in the University of Liège's course programme, with the jury's approval, for the same number of credits.

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> - Amir ABOUBACAR	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					