

Two-Year Master Program (120 ECTS)

1st year (2010-2011 new programme)

Core courses common to the study paths

Compulsory courses

GEOG0238-1	<i>Geographical Information Systems</i> - Jean-Paul DONNAY	30	30	-	6
GEOG0622-1	<i>Project management</i> - Jean-Paul DONNAY	10	10	-	2
GEOG0605-1	<i>Regional geography and geomorphology</i> - François PETIT - [4d FW]	20	-	[+]	3
GEOG0631-2	<i>Seminars</i> - COLLÉGIALITÉ - [20h SEM]	-	-	[+]	2

Notice : Collegiality = Geography team

SPOL2209-3	<i>Environmental and land policies</i> - Quentin MICHEL	30	-	-	3
------------	---	----	---	---	----------

Courses specific to the Study Path

Compulsory courses

GEOG0234-1	<i>Photogrammetry</i> - Yves CORNET	30	15	-	5
GEOG0019-2	<i>Applied Surveying</i> - Roland BILLEN	30	40	-	6
GEOG0022-1	<i>Integrated Geomatics Project</i> - Roland BILLEN, Jean-Paul DONNAY - [80h FW]	-	-	[+]	8
GEOG0645-1	<i>Professional practices : the geometrist</i> - Roland BILLEN	20	10	-	3
GCIV0621-1	<i>Urban and environmental hydraulics</i> - Michel PIROTON	25	25	-	5
ARCH0113-1	<i>Technical elements of building construction</i> - Jean-Marie HAUGLUSTAINÉ	30	-	-	4
GCIV0620-1	<i>Introduction to geotechnics</i> - Robert CHARLIER - [1d FW]	30	20	[+]	5
GEOG0267-1	<i>Land Administration</i> - Roland BILLEN, Jean-Marie HALLEUX - [1d FW]	15	15	[+]	4
GEOG2009-1	<i>Sporck Chair</i> - Bernadette MERENNE#SCHOUMAKER, Richard SHEARMUR	15	-	-	1

Optional courses

With the agreement of the council of studies choose a course among the following :

GEOG2008-4	<i>Territorial development and spatial planning</i> - Jean-Marie HALLEUX - [1d FW]	15	15	[+]	3
GEOG0607-2	<i>Topoclimatology</i> - Michel ERPICUM - [1d FW]	15	15	[+]	3
GEOG0033-2	<i>Applied Hydrology</i> - François PETIT - [1d FW]	15	15	[+]	3

Second year (2010-2011 transitory programme)

Compulsory courses

GEOG0025-1	<i>Research Design in Spatial Sciences</i> - Jean-Paul DONNAY	10	10	-	2
GEOG0648-1	<i>Questions relating to Geomatics</i> - COLLÉGIALITÉ	20	30	-	5
Notice : Collegiality = Geomatics and Geometrology					
SMEM0002-1	<i>Final thesis</i> - COLLÉGIALITÉ	-	-	-	20
GEOG0658-1	<i>Final thesis supervision</i> - COLLÉGIALITÉ	-	-	-	3

Choose one focus from the following :

Professional Focus in Applied Geomatics

Compulsory courses

GEOG0216-2	<i>Cartographic projections</i> - Jean-Paul DONNAY	15	25	-	4
GEOG0625-1	<i>Global Navigation Satellite Systems</i> - René WARNANT	25	5	-	3
GEOG0649-3	<i>Seminars (2nd part)</i> - COLLÉGIALITÉ - [1d FW]	20	-	[+]	2

Notice : Collegiality = Geomatics and Geometrology

INFO0010-3	<i>Introduction to Computer Networks (partim)</i> - Guy LEDUC	30	-	-	3
GEOG0607-2	<i>Topoclimatology</i> - Michel ERPICUM - [1d FW]	15	15	[+]	3

Students who have already taken the cours *Global Navigation Satellite Systems* must choose, with the approval of the

Board of Studies, one course totaling 3 ECTS not already taken in the 3rd year of Bachelor or in one of the programmes of Master in Geography.

Optional courses

Choose one module from :

Land settlement

SPOL2209-3	<i>Environmental and land policies</i> - Quentin MICHEL	30	-	-	3
ESHY0016-1	<i>Ecology Applied to Urban Planning and Land Management (part 1)</i> - Emmanuël SÉRUSIAUX	15	15	-	3
GEOG0638-1	<i>Town and country planning</i> - Jean-Marie HALLEUX	20	20	-	4
GEOG0618-2	<i>Real estate markets</i> - Jean-Marie HALLEUX	15	10	-	3
GEOG0650-1	<i>Impact studies</i> - Guénaël DEVILLET	10	10	-	2

Students who have already taken the cours *Real estate markets* must choose, with the approval of the Board of Studies, one course totaling 3 ECTS not already taken in the 3rd year of Bachelor or in one of the programmes of the Master in Geography.

Hydrology

GEOG0033-2	<i>Applied Hydrology</i> - François PETIT - [1d FW]	15	15	[+]	3
ESHY0063-1	<i>Modelling physical and chemical processes applied to the environment</i> - Louis FRANÇOIS	20	20	-	4
GEOL0298-1	<i>Groundwater quality and protection</i> - Alain DASSARGUES, Philippe ORBAN	15	15	-	3
GCIV0621-1	<i>Urban and environmental hydraulics</i> - Michel PIROTTON	25	25	-	5

Other module

Other optional module proposed by the partner universities : Montpellier (France) and Sherbrooke (Quebec)

Professional Focus in Surveyor

Compulsory courses

GCIV0622-1	<i>Construction : materials and maintenance</i> - Luc COURARD	45	10	-	6
INFO0010-2	<i>Introduction to Computer Networks</i> - Guy LEDUC	30	15	-	5
SSTG0020-1	<i>Training</i> - COLLÉGIALITÉ - [120h Internship]	-	-	[+]	9
<i>Notice</i> : Collegiality = Geomatics and Geometrology					
GEOG0649-3	<i>Seminars (2nd part)</i> - COLLÉGIALITÉ - [1d FW]	20	-	[+]	2
<i>Notice</i> : Collegiality = Geomatics and Geometrology					
ARCH0059-1	<i>Pathology of buildings</i> - Jean-Marie HAUGLUSTAINE	15	-	-	3
GEST0188-2	<i>Determination and Recognition of Quality and Conformity</i> - Jean-Marie RIGO	20	10	-	3
GEOG0650-1	<i>Impact studies</i> - Guénaël DEVILLET	10	10	-	2

Second year (2011-2012 prospects)

Core courses common to the study paths

Compulsory courses

GEOG0025-1	<i>Research Design in Spatial Sciences</i> - Jean-Paul DONNAY	10	10	-	2
GEOG0658-1	<i>Final thesis supervision</i> - COLLÉGIALITÉ	-	-	-	2
SMEM0002-1	<i>Final thesis</i> - COLLÉGIALITÉ	-	-	-	20

Courses specific to the Study Path

Compulsory courses

GEST0188-2	<i>Determination and Recognition of Quality and Conformity</i> - Jean-Marie RIGO	20	10	-	3
GEOG0650-2	<i>Impact studies</i> - Guénaël DEVILLET	10	20	-	3

Professional Focus

Compulsory courses

GCIV0622-1	<i>Construction : materials and maintenance</i> - Luc COURARD	45	10	-	6
INFO0010-2	<i>Introduction to Computer Networks</i> - Guy LEDUC	30	15	-	5
SSTG0020-1	<i>Training</i> - COLLÉGIALITÉ - [120h Internship]	-	-	[+]	9
	<i>Notice</i> : Collegiality = Geomatics and Geometrology				
ARCH0059-1	<i>Pathology of buildings</i> - Jean-Marie HAUGLUSTAINE	15	-	-	2
GEOG0270-1	<i>Special issues on GIS</i>	20	20	-	4
GEOG0271-1	<i>Special issues on spatial data acquisition</i>	20	20	-	4