

First Year

Students studying for the Bachelors in Civil Engineering who have not chosen the appropriate option :

- * must take all the so-called "prerequisite" courses hereafter, if they were not taken during the 1st cycle. These courses must be taken during the 1st year of the masters and some 1st-year compulsory courses must be rolled over to the 2nd year.
- * must subsequently reduce the number of courses they choose to take in the 2nd year of the masters. If all the "prerequisite" courses must be taken, it will be impossible for them to choose which courses they take.
- * cannot choose the professional "management" focus.

The program adapted by these students has to receive the preliminary agreement of the Jury.

Compulsory prerequisites

GCIV0097-1	<i>Steel and concrete constructions I</i> - Jean-Claude DOTREPPE, Jean-Pierre JASPART	30	30	-	5
GCIV0603-1	<i>Geotechnics</i> - Robert CHARLIER	30	30	-	5
GCIV0604-1	<i>Hydraulics</i> - Michel PIROTON	15	15	-	3
GCIV0184-2	<i>Building Materials</i> - Luc COURARD	30	30	-	5
MECA0012-5	<i>Mechanics of materials</i> (english) - Serge CESCOTTO	30	30	-	5
MECA0442-1	<i>Mechanics of materials II</i> - Serge CESCOTTO	15	15	-	2
GCIV0607-1	<i>Structural mechanics</i> - Jean-Marc FRANSSSEN	30	30	-	5

Compulsory courses

GCIV0201-1	<i>Choice and maximisation of construction materials</i> - Luc COURARD	30	30	-	5
GCIV2032-1	<i>Design and means of erection of structures and bridges</i> - Jean-Marie CREMER, Jean-Marc FRANSSSEN	30	30	-	5
GCIV2033-2	<i>Steel, concrete, timber and composite steel-concrete construction</i> - Jean-Claude DOTREPPE, Jean-Marc FRANSSSEN, Jean-Pierre JASPART - [2d FW]	60	60	[+]	10
GEOL0001-1	<i>Geology and Geology for Engineers</i> - Alain DASSARGUES - [2d FW]	35	25	[+]	5
GCIV2034-1	<i>Applied hydraulics</i> - Michel PIROTON	30	30	-	5
GCIV2035-1	<i>Environmental hydrodynamics</i> - Benjamin J. DEWALS, Michel PIROTON	30	30	-	5
GCIV2036-1	<i>Soil and rock mechanics</i> - Albert BOLLE, Frédéric COLLIN	25	25	-	4
GCIV2037-1	<i>Structural Mechanics II</i> - Hervé DEGÉE	35	35	-	6
GCIV0185-2	<i>Numerical methods in Civil and Geological Engineering - I. Linear methods</i>				10
	- <i>Linear methods</i> - Hervé DEGÉE, Michel PIROTON	30	30	-	
	- <i>Linear and non-linear methods</i> - Robert CHARLIER, Vincent DE VILLE DE GOYET	30	30	-	
GCIV2038-1	<i>Planning and technical-economic analysis</i> - Jean MARCHAL	15	15	-	3
GCIV2039-2	<i>Seminar</i> - Serge CESCOTTO, COLLÉGIALITÉ - [2d FW]	20	-	[+]	2

Notice : Students who have, in their BAC studies, already the compulsory course GEOL0001-1 *Geology and Engineering Geology* featuring on this Master's programme are obliged to replace it by a course chosen from:

- * GEOL0023-4 *Engineering Geology (integrated group project* - 10h+30h+2jT.t - 5 crédits - NGUYEN F.
- * ARCH00003-4 *Techniques of Building Construction I - Part I* - 30h+30h+2,5jT.t - 5 credits - N.

Second Year

Compulsory courses

GCIV2040-1	<i>Hydraulic constructions</i> - Sébastien ERPICUM, Jean MARCHAL, Philippe RIGO - [3d FW]	60	60	[+]	10
ATFE0010-1	<i>Final Work (including an introduction to methodology and research)</i> - COLLÉGIALITÉ - Final year trip: visits to works of art (optional).	-	-	-	20

Compulsory courses

GEST3000-1	<i>First steps in an enterprise</i> - Robert NONDONFAZ, Bernard SURLEMONT	0,5	-	-	2
GEST3001-1	<i>Organization analysis</i> - Annie CORNET	-	-	-	3
GEST3002-1	<i>Human Resources Management</i> - Jocelyne ROBERT	16	-	-	3

GEST3003-1	<i>Competitive Strategy in the Marketplace</i> (english) - Michael GHILISSEN	16	-	-	3
GEST3004-1	<i>Marketing (operations and management)</i> (english) - Michael GHILISSEN	16	-	-	3
GEST3005-1	<i>Accountancy and Finance</i> - Jacques BERWART	24	-	-	4
GEST3006-1	<i>Production (Supply chain management)</i> (english) - Yasemin ARDA	45	-	-	3
GSTG3001-1	<i>Internship</i> - COLLÉGIALITÉ	-	-	-	6

Optional courses

Choose one of the following courses :

GEST3010-1	<i>Production 2 (Supply Chain Management 2nd part)</i> (english) - Robert NONDONFAZ	-	-	-	3
GEST3011-1	<i>ICT in the service of the company</i> - Alain DUBOIS	30	-	-	3
GEST3012-1	<i>Financial and actuarial modelling tools</i> - Louis ESCH	16	-	-	3