

First Year

Compulsory courses

SYST0003-1	<i>Linear control systems</i> (english language) - Eric BULLINGER, Rodolphe SEPULCHRE	30	30	-	5
INFO0009-1	<i>Introduction to Data Bases</i> - Pierre WOLPER	30	30	-	5
INFO0085-1	<i>Compilers</i> - Xavier BOYEN	30	30	-	5
INFO0063-1	<i>Object-Oriented Software Engineering</i> - Bernard BOIGELOT	30	30	-	5
INFO0016-1	<i>Introduction to the theory of computation</i> (english language) - Pierre WOLPER	30	30	-	5
MATH0461-1	<i>Introduction to numerical optimization</i> (english language) - Quentin LOUVEAUX	30	30	-	5
INFO0051-1	<i>Artificial Intelligence Logics</i> - Pascal GRIBOMONT	30	30	-	5
INFO0045-2	<i>Cryptography and Computer Security</i> - Xavier BOYEN	30	30	-	5
INFO0030-4	<i>Programming Projects - N...</i> - Suppl : Pascal GRIBOMONT	10	20	-	2
INFO0004-1	<i>Object-oriented programming project - N...</i> - Suppl : Guy LEDUC	10	30	-	3
INFO0031-1	<i>Computer network architectures and multimedia</i> (english language) - Guy LEDUC	30	30	-	5
ELEN0060-1	<i>Information and Coding Theory</i> - Louis WEHENKEL, Louis WEHENKEL	30	30	-	5

Optional courses

Choose 1 of the three courses, not taken during the BAC programme, amongst :

ELEN0075-1	<i>Analog Electronics</i> - Benoît VANDERHEYDEN	30	30	-	5
ELEN0008-1	<i>Principles of analog and digital telecommunications systems</i> - Marc VAN DROOGENBROECK	30	30	-	5
ELEN0070-1	<i>Signal Processing</i> - Jacques VERLY	30	30	-	5

Notice : Students who have already followed one or several compulsory course(s) from the Bachelor programme have to replace it (them) by one or several course(s) from the optional courses of this master or from the courses'programme of the Faculty ; this choice must be approved by the cycle's Jury President. Ditto if students have already followed all the optional courses from above.

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 adapted programme for these students must first gain be approved by the Jury.

Compulsory prerequisites

ELEN0040-1	<i>Digital Electronics</i> - Jacques DESTINÉ	30	30	-	5
INFO0010-1	<i>Introduction to Computer Networks</i> - Guy LEDUC	30	30	-	5
INFO0012-1	<i>Computation Structures</i> - Pierre WOLPER	30	30	-	5
INFO0054-1	<i>Functional programming</i> - Pascal GRIBOMONT	30	30	-	5
INFO0062-1	<i>Object-Oriented Programming</i> - Bernard BOIGELOT	30	30	-	5
INFO0064-1	<i>Embedded Systems</i> - Bernard BOIGELOT	30	30	-	5
INFO0902-1	<i>Data structures and algorithms - N...</i> - Suppl : Sébastien COLLETTE	30	30	-	5

Second Year

Compulsory courses

ATFE0015-1	<i>Final Work (including an introduction to methodology and research)</i> - COLLÉGIALITÉ	-	-	-	25
[...]	A general course to be chosen from the University's programmes of courses ; this choice must be approved by the cycle's President of the Jury				

Compulsory courses

GEST3001-1	<i>People management and organisation</i> - Jocelyne ROBERT	24	24	-	4
GEST3002-1	<i>Human Resources</i> - Jocelyne ROBERT	24	-	-	2

GEST3003-1	<i>Competitive strategy in the marketplace</i> - Michael GHILISSEN	16	16	-	3
GEST3004-1	<i>Marketing (operations and management)</i> - Michael GHILISSEN	16	16	-	3
GEST3005-2	<i>Accountancy and Finance</i> - Jacques BERWART	24	24	-	4
GEST3006-1	<i>Operations and supply chain management I</i> - Yasemin ARDA - Suppl : Robert NONDONFAZ	16	16	-	3
GSTG3001-1	<i>Business plan</i> - COLLÉGIALITÉ	-	30	-	4
GSTG3002-1	<i>Functional analysis of a company</i> - COLLÉGIALITÉ - [30h Internship]	-	-	[+]	4

Optional courses

Choose one of the following courses :

GEST3010-1	<i>Operations and supply chain management II</i> - Sabine LIMBOURG	16	16	-	3
GEST3011-2	<i>ICT for Business</i> - Alain DUBOIS	16	16	-	3
GEST3012-1	<i>Financial and actuarial modelling</i> - Louis ESCH	16	16	-	3