

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

ELEC0431-1	<i>Electromagnetic energy transformation</i> - Christophe GEUZAINÉ	30	30	-	5
ELEC0053-2	<i>Electric circuits</i> - Patricia ROUSSEAU	30	30	-	5
MECA0445-1	<i>Transfers of heat and matter</i> - Michel HOGGE	30	30	-	5
MECA0012-5	<i>Mechanics of materials (english)</i> - Serge CESCOTTO	30	30	-	5
MECA0002-1	<i>Applied Thermodynamics and Introduction to Heat Engines</i> - Olivier LÉONARD	30	30	-	5
ELEC0052-1	<i>Analysis and Design of Electrical Measuring Systems</i> - Philippe VANDERBEMDEN	30	30	-	5

Compulsory courses

MECA0037-1	<i>Thermic and co-generation power stations</i> - Philippe MATHIEU	30	30	-	5
MECA0046-1	<i>Heat exchangers</i>				5
	- <i>Heat exchangers networks and rational use of energy</i> - Georges HEYEN	15	15	-	
	- <i>Fundamental and constructive aspects</i> - Philippe NGENDAKUMANA	15	15	-	
MECA0450-2	<i>Renewable energies</i> - Philippe MATHIEU	15	15	-	3
CHIM0080-2	<i>Energy carriers and sustainable development</i> - Angélique LÉONARD - Suppl : Georges HEYEN	20	10	-	3
CHIM0071-3	<i>Reduction of pollutants from combustion</i> - Angélique LÉONARD	30	-	-	3
MECA0006-1	<i>Production of cold and low-level heat</i> - Vincent LEMORT	30	30	-	5
MECA0045-1	<i>Thermofluid Quantity Measurement</i> - Philippe NGENDAKUMANA	30	30	-	3
MECA0041-1	<i>Internal Combustion Engines</i> - Philippe NGENDAKUMANA - [1,5d FW]	30	30	[+]	5
APRI0003-1	<i>Integrated project on energetics</i> - COLLÉGIALITÉ - [5d FW]	-	60	[+]	5
MECA0462-1	<i>MECA0462: materials selection</i> - Jacqueline LECOMTE#BECKERS	30	30	-	5
	<u>Prerequisite</u> PHYS0904-1 Physique des matériaux				
ELEC0014-3	<i>Electric Energy Transmission and Distribution</i> - Jean-Louis LILIEU - [2,5d FW]	30	15	[+]	4
ELEC0029-1	<i>Analysis and operation of electric energy systems</i> - Thierry VAN CUTSEM	25	20	-	4
MECA0467-1	<i>Turbomachines</i> - Olivier LÉONARD	30	30	-	5
SYST0003-1	<i>Linear control systems</i> - Eric BULLINGER, Rodolphe SEPULCHRE	30	30	-	5

Notice : Students who have, in their BAC studies, have already taken one or more compulsory courses in this Master's programme are obliged to replace them by other courses on the Faculty's programme; this choice must be approved by the President of the cycle's Jury.

Second Year

Compulsory courses

ATFE0001-1	<i>Final work</i> - COLLÉGIALITÉ	-	-	-	20
ELEC0018-1	<i>Energy market</i> - Yvan HELLA	45	15	-	5
[...]	A course to be chosen from the university's programme of courses (with the agreement of the cycle's President of the Jury)				

Compulsory courses

GEST3000-2	<i>First steps in an enterprise</i> - COLLÉGIALITÉ	24	-	-	2
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	16	16	-	3
GSTG3001-1	<i>Business plan</i> - COLLÉGIALITÉ - [30h Internship]	-	-	[+]	3
GSTG3002-1	<i>Company diagnostic</i> - COLLÉGIALITÉ - [30h Internship]	-	-	[+]	3

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 in the service of the company</i> - Maud BAY	16	16	-	3
GEST3012-1	<i>Financial and actuarial modelling</i> - Louis ESCH	16	16	-	3