

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

ELEC0431-2	<i>Electromagnetic energy conversion</i> (english language) - Christophe GEUZAINÉ - [15h Labo.]	Q2	30	15	[+]	5
ELEC0053-2	<i>Electric circuits</i> - Patricia ROUSSEAUX	Q2	30	30	-	5
MECA0445-2	<i>Heat transfer</i> - Pierre DEWALLEF, Vincent TERRAPON - [4h Labo., 9h Proj.]	Q2	30	26	[+]	5
MECA0012-6	<i>Solid mechanics</i> - Laurent DUCHENE - [15h Proj.]	Q2	30	30	[+]	5
MECA0002-1	<i>Applied Thermodynamics and Introduction to Heat Engines</i> - Olivier LÉONARD	Q1	30	30	-	5
ELEC0052-1	<i>Analysis and Design of Electrical Measuring Systems</i> - Philippe VANDERBEMDEN	Q1	30	30	-	5

Compulsory courses

MECA0037-1	<i>Thermic and co-generation power stations</i> - Pierre DEWALLEF, Angélique LÉONARD	Q2	30	30	-	5
MECA0046-1	<i>Heat exchangers</i> - <i>Heat exchangers networks and rational use of energy</i> - MarieNoëlle DUMONT - <i>Fundamental and constructive aspects</i> - Philippe NGENDAKUMANA	Q1	15	15	-	5
MECA0450-3	<i>Renewable energies</i> - Pierre DEWALLEF	Q1	30	30	-	5
CHIM0071-4	<i>Reduction of pollutants from combustion</i> - Angélique LÉONARD - [1d FW]	Q1	30	-	[+]	3
MECA0006-1	<i>Production systems of cold and heat</i> - Vincent LEMORT	Q1	30	30	-	5
MECA0041-1	<i>Internal Combustion Engines</i> - Philippe NGENDAKUMANA - [1,5d FW]	Q2	30	30	[+]	5
APRI0003-2	<i>Integrated project on energetics</i> - COLLÉGIALITÉ - [5h FW]	TA	30	90	[+]	9

Notice : If the president of the cycle's panel agrees, in particular regarding the technical content, the master's integrated project can be part of an interdisciplinary project (e.g. project engineer, Eurobot, Eco-Shell Marathon, etc.). It is possible to have done the project between the third year of the bachelor's degree and the second year of the master's.

MECA0462-2	<i>Materials selection</i> (english language) - Jacqueline LECOMTEBECKERS, Davide RUFFONI - [1d FW]	Q1	30	30	[+]	5
ELEC0014-3	<i>Electric Energy Transmission and Distribution</i> - JeanLouis LILIE - [2,5d FW]	Q1	30	15	[+]	4
ELEC0029-2	<i>Electric power systems analysis and operation</i> (english language) - Thierry VAN CUTSEM	Q2	30	30	-	4
MECA0467-1	<i>Turbomachines</i> - Olivier LÉONARD		30	30	-	5
SYST0003-1	<i>Linear control systems</i> (english language) - Rodolphe SEPULCHRE - Suppl : Raphaël FONTENEAU	Q1	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

ATFE2003-1	<i>Final work (including an internship or a placement in a research centre under</i>	-	-	-	-	25
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the supervision of the teacher responsible for the final work and including an introduction to research methodology) - COLLÉGIALITÉ

Optional courses

Choose one of the following courses :

[...] the courses of the University of Liege
[...] the list below.

LANG1957-1	<i>Dutch for Engineering Students</i> (dutch language) - Claudine COLIN	TA	60	-	-	5
LANG1958-1	<i>German for Engineering Students</i> (german language) - Françoise CARL	TA	60	-	-	5

Notice : The specialisation in management will be taught for the last time in 2014-2015.

Compulsory courses

GEST3001-1	<i>People management and organisation</i> - Jocelyne ROBERT	Q1	24	24	-	4
GEST3002-1	<i>Human Resources</i> - Jocelyne ROBERT	Q1	24	-	-	2
GEST3003-1	<i>Competitive strategy in the marketplace</i> (english language) - Michael GHILISSEN	Q1	16	16	-	3
GEST3004-1	<i>Marketing (operations and management)</i> (english language) - Michael GHILISSEN	Q1	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> (english language) - Yasemin ARDA	Q1	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	Q1	16	16	-	3
GEST3011-2	<i>ICT for Business</i> - Alain DUBOIS	Q1	16	16	-	3
GEST3012-1	<i>Financial and actuarial modelling</i> - Louis ESCH	Q1	16	16	-	3