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First Year

Compulsory courses

General Education

CHIM0015-3	<i>Analytical chemistry II, physical methods</i> - Gauthier EPPE	30	60	-	6
ELEC0431-1	<i>Electromagnetic energy conversion (english language)</i> - Christophe GEUZAINÉ	30	30	-	5
CHIM0080-2	<i>Energy carriers and sustainable development</i> - Angélique LÉONARD	20	10	-	3

Training in processes

CHIM0081-3	<i>Industrial Chemistry Processes, structure of chemical industry</i> - Angélique LÉONARD - [1d FW]	30	-	[+]	3
CHIM0695-1	<i>Introduction to modeling of chemical systems</i> - N... - Suppl : Grégoire LÉONARD	30	30	-	5
CHIM0696-1	<i>Static modeling and dynamics of large chemical systems</i> - N...	30	30	-	5
CHIM0694-1	<i>Industrial chemistry processes design</i> - Angélique LÉONARD, N... - Suppl : Grégoire LÉONARD	20	45	-	5

Chemical engineering training

CHIM0697-1	<i>Heterogeneous catalysis</i> - Nathalie JOB	15	30	-	3
CHIM0023-4	<i>Chemical Engineering (Reactor Study)</i> - Dominique TOYE	20	30	-	4
CHIM0083-2	<i>Chemical engineering (unit physical operations and non-specific aspects of equipment)</i> - Michel CRINE	45	45	-	8

Training in materials

CHIM0675-1	<i>Macromolecular chemistry</i> - AnneSophie DUWEZ	20	20	-	3
CHIM0676-1	<i>Polymerization processes</i> - Eric MARTIN	20	-	-	2
CHIM0666-2	<i>Inorganic materials : manufacturing procedures and propriety</i> - Stéphanie LAMBERT [2d FW]	30	30	[+]	5
CHIM0698-1	<i>Physical chemistry of interfaces</i> - Cédric GOMMES	15	15	-	3

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.

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 courses

CHIM0605-2	<i>Chemistry and inorganic materials</i> - Bénédicte VERTRUYEN	30	-	-	3
CHIM0604-2	<i>Chemistry and organic materials</i> - Lionel DELAUDE	30	30	-	5
CHIM0012-4	<i>Chemical Kinetics</i> - Nathalie JOB	20	-	-	2
CHIM0022-2	<i>Introduction to Chemical Engineering</i> - Michel CRINE	30	30	-	5
PHYS0904-5	<i>Physics of materials</i> - Jacqueline LECOMTEBECKERS	30	30	-	5
CHIM0606-2	<i>Analytical Chemistry</i> - Gauthier EPPE	30	15	-	4
CHIM0009-2	<i>Applied chemical thermodynamics</i> - Nathalie JOB	20	15	-	3
CHIM0023-3	<i>Chemical Engineering (Reactor Study)</i> - Dominique TOYE	20	15	-	3

Compulsory courses

MATH0066-1	<i>Complement of mathematics</i> - Patricia TOSSINGS	30	30	-	4
DROI0724-1	<i>Law and engineering</i> - Christine BIQUET, Jacques CLESSE, Pascale LECOCQ, Bernard VANBRABANT - Suppl : Daisy CHICHOYAN, Déborah GOL, Cécile VERCHEVAL	30	-	-	3
MECA0011-1	<i>Fluid Mechanics : Basics</i> - Michel PIROTTON	30	30	-	5
CHIM0022-2	<i>Introduction to Chemical Engineering</i> - Michel CRINE	30	30	-	5
MECA0001-1	<i>Mechanics of materials</i> - JeanPierre JASPART	30	30	-	5
PHYS0904-4	<i>Physics of materials</i> - Jacqueline LECOMTEBECKERS - [1d FW]	30	30	[+]	5

CHIM0012-3	<i>Chemical Kinetics</i> - Nathalie JOB	20	15	-	3
CHIM0009-1	<i>Applied chemical thermodynamics</i> - Nathalie JOB	30	30	-	5
CHIM0023-3	<i>Chemical Engineering (Reactor Study)</i> - Dominique TOYE	20	15	-	3
CHIM0697-1	<i>Heterogeneous catalysis</i> - Nathalie JOB	15	30	-	3
CHIM0698-1	<i>Physical chemistry of interfaces</i> - Cédric GOMMES	15	15	-	3
CHIM0080-2	<i>Energy carriers and sustainable development</i> - Angélique LÉONARD	20	10	-	3
CHIM0081-3	<i>Industrial Chemistry Processes, structure of chemical industry</i> - Angélique LÉONARD - [1d FW]	30	-	[+]	3
CHIM0695-1	<i>Introduction to modeling of chemical systems</i> - N... - Suppl : Grégoire LÉONARD	30	30	-	5
CHIM0676-1	<i>Polymerization processes</i> - Eric MARTIN	20	-	-	2
CHIM0666-2	<i>Inorganic materials : manufacturing procedures and propriety</i> - Stéphanie LAMBERT [2d FW]	30	30	[+]	5

Second Year

Compulsory courses

ATFE0004-1	<i>Final Work (including an introduction to research methodology)</i> - COLLÉGIALITÉ	-	-	-	25
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Optional courses

Choose one of the following courses :

[...] the short list below.

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

[...] University of Liege programme courses

In any case, this course must have the approval of the cycle's Jury President.

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> (english language) - Michael GHILISSEN	16	16	-	3
GEST3004-1	<i>Marketing (operations and management)</i> (english language) - 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> (english language) - Yasemin ARDA	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