

First Year

Compulsory courses

General Education

CHIM0015-3	<i>Analytical chemistry II, physical methods</i> - Gauthier EPPE, Bernard GILBERT	30	60	-	6
ELEC0431-1	<i>Electromagnetic energy transformation</i> - Christophe GEUZAINÉ	30	30	-	5
CHIM0071-3	<i>Reduction of pollutants from combustion</i> - Angélique LÉONARD	30	-	-	3

Training in processes

CHIM0040-2	<i>Process design workshop : mass and energy balances</i> - Georges HEYEN	-	60	-	4
SYST0004-2	<i>Modelling of large chemical systems</i> - Georges HEYEN	30	30	-	5
CHIM0081-1	<i>Industrial Chemistry Processes, structure of chemical industry</i> - Angélique LÉONARD	30	-	-	3
CHIM0081-2	<i>Industrial Chemistry Processes, processes design</i> - Angélique LÉONARD	15	30	-	3

Chemical engineering training

CHIM0024-1	<i>Applied Physical Chemistry</i> - Jean-Paul PIRARD	30	45	-	6
CHIM0023-2	<i>Chemical Engineering (Reactor Study)</i> - Dominique TOYE	40	45	-	7
CHIM0083-2	<i>Chemical Engineering (Unit Physical Operations and Non-Specific Aspects of Apparatuses)</i> - Michel CRINE	45	45	-	8

Training in materials

CHIM0675-1	<i>Macromolecular chemistry</i> - Anne-Sophie DUWEZ	20	20	-	3
CHIM0676-1	<i>Polymerization processes</i> - - Suppl : Eric MARTIN	20	-	-	2
CHIM0666-1	<i>Inorganic materials: manufacturing procedures and propriety</i> - Stéphanie LAMBERT	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.

Compulsory courses

MATH0002-4	<i>Mathematical Analysis I</i> - Eric DELHEZ	30	25	-	4
DROI0724-1	<i>law and engineering</i> - Christine BIQUET, Jacques CLESSE, Pascale LECOQ - Suppl : Déborah GOL, Aurélie KETTELS, Bernard VANBRABANT, Cécile VERCHEVAL	30	-	-	3
MECA0011-1	<i>Fluid Mechanics: Basics</i> - Michel PIROTON	30	30	-	5
CHIM0022-2	<i>Introduction to Chemical Engineering</i> - Michel CRINE	30	30	-	5
MECA0001-1	<i>Solid mechanics (english)</i> - Serge CESCOTTO	30	30	-	5
PHYS0904-2	<i>Physics of materials (partim)</i> - Jacqueline LECOMTE#BECKERS	20	10	-	3
CHIM0009-1	<i>Applied chemical thermodynamics</i> - Georges HEYEN	30	30	-	5
CHIM0024-1	<i>Applied Physical Chemistry</i> - Jean-Paul PIRARD	30	45	-	6
ELEC0431-1	<i>Electromagnetic energy transformation</i> - Christophe GEUZAINÉ	30	30	-	5
CHIM0071-3	<i>Reduction of pollutants from combustion</i> - Angélique LÉONARD	30	-	-	3
CHIM0081-1	<i>Industrial Chemistry Processes, structure of chemical industry</i> - Angélique LÉONARD	30	-	-	3
CHIM0081-2	<i>Industrial Chemistry Processes, processes design</i> - Angélique LÉONARD	15	30	-	3
CHIM0675-1	<i>Macromolecular chemistry</i> - Anne-Sophie DUWEZ	20	20	-	3
CHIM0676-1	<i>Polymerization processes</i> - - Suppl : Eric MARTIN	20	-	-	2
CHIM0666-1	<i>Inorganic materials: manufacturing procedures and propriety</i> - Stéphanie LAMBERT	30	30	-	5

Compulsory courses

CHIM0605-1	<i>Chemistry and inorganic materials</i> - Rudi CLOOTS	30	30	-	5
CHIM0604-1	<i>Chemistry and organic materials</i> - Christophe DETREMBLEUR	30	60	-	7
CHIM0012-2	<i>Chemical Kinetics</i> - Jean-Paul PIRARD	30	30	-	5
CHIM0022-2	<i>Introduction to Chemical Engineering</i> - Michel CRINE	30	30	-	5
PHYS0904-2	<i>Physics of materials (partim)</i> - Jacqueline LECOMTE#BECKERS	20	10	-	3
CHIM0024-1	<i>Applied Physical Chemistry</i> - Jean-Paul PIRARD	30	45	-	6
CHIM0009-1	<i>Applied chemical thermodynamics</i> - Georges HEYEN	30	30	-	5
ELEC0431-1	<i>Electromagnetic energy transformation</i> - Christophe GEUZAINÉ	30	30	-	5
CHIM0071-3	<i>Reduction of pollutants from combustion</i> - Angélique LÉONARD	30	-	-	3
CHIM0081-1	<i>Industrial Chemistry Processes, structure of chemical industry</i> - Angélique LÉONARD	30	-	-	3
CHIM0081-2	<i>Industrial Chemistry Processes, processes design</i> - Angélique LÉONARD	15	30	-	3
CHIM0675-1	<i>Macromolecular chemistry</i> - Anne-Sophie DUWEZ	20	20	-	3
CHIM0676-1	<i>Polymerization processes</i> - - Suppl : Eric MARTIN	20	-	-	2

CHIM0666-1 *Inorganic materials: manufacturing procedures and propriety* - Stéphanie LAMBERT 30 30 - 5

Second Year

Compulsory courses

ATFE0004-1 *Final Work (including an introduction to methodology and research)* - 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

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