

## First Year

### Compulsory courses

#### General Education

CHIM0015-3	<i>Analytical chemistry II, physical methods</i> - Bernard GILBERT	30	60	-	<b>6</b>
ELEC0431-1	<i>Electromagnetic energy transformation</i> - Christophe GEUZAINÉ	30	30	-	<b>5</b>
LOGI0001-2	<i>Supply Chain Management, Supply Chain Management</i> - Daniel DE WOLF	30	-	-	<b>3</b>

#### Training in processes

CHIM0040-1	<i>Process design workshop : mass and energy balances</i> - Georges HEYEN	-	45	-	<b>3</b>
SYST0004-1	<i>Modelling of large chemical systems</i> - Georges HEYEN	30	45	-	<b>6</b>
CHIM0081-1	<i>Industrial Chemistry Processes</i> - Albert GERMAIN	45	30	-	<b>6</b>

#### Chemical engineering training

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

#### Training in materials

CHIM0665-1	<i>Macromolecular chemistry and procedures</i> - Anne-Sophie DUWEZ, Jean-Marie LIÉGEOIS	30	30	-	<b>5</b>
CHIM0666-1	<i>Inorganic materials: manufacturing procedures and propriety</i> - Rudi CLOOTS	30	30	-	<b>5</b>

*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	-	<b>4</b>
DROI0724-1	<i>law and engineering</i> - Pascale LECOCQ	30	-	-	<b>3</b>
MECA0011-1	<i>Fluid Mechanics: Basics</i> - Michel PIROTON	30	30	-	<b>5</b>
CHIM0022-2	<i>Introduction to Chemical Engineering</i> - Michel CRINE	30	30	-	<b>5</b>
MECA0001-1	<i>Solid mechanics (english)</i> - Serge CESCOTTO	30	30	-	<b>5</b>
PHYS0904-2	<i>Physics of materials (partim)</i> - Jacqueline LECOMTE#BECKERS, Jean-Marie LIÉGEOIS	20	10	-	<b>3</b>
CHIM0009-1	<i>Applied chemical thermodynamics</i> - Georges HEYEN	30	30	-	<b>5</b>
CHIM0024-1	<i>Applied Physical Chemistry</i> - Benoît HEINRICHS, Jean-Paul PIRARD	30	45	-	<b>6</b>
ELEC0431-1	<i>Electromagnetic energy transformation</i> - Christophe GEUZAINÉ	30	30	-	<b>5</b>
LOGI0001-2	<i>Supply Chain Management, Supply Chain Management</i> - Daniel DE WOLF	30	-	-	<b>3</b>
CHIM0081-1	<i>Industrial Chemistry Processes</i> - Albert GERMAIN	45	30	-	<b>6</b>
CHIM0665-1	<i>Macromolecular chemistry and procedures</i> - Anne-Sophie DUWEZ, Jean-Marie LIÉGEOIS	30	30	-	<b>5</b>
CHIM0666-1	<i>Inorganic materials: manufacturing procedures and propriety</i> - Rudi CLOOTS	30	30	-	<b>5</b>

### Compulsory courses

CHIM0605-1	<i>Chemistry and inorganic materials</i> - Rudi CLOOTS	30	30	-	<b>5</b>
CHIM0604-1	<i>Chemistry and organic materials</i> - Christophe DETREMBLEUR	30	60	-	<b>7</b>
CHIM0012-2	<i>Chemical Kinetics</i> - Jean-Paul PIRARD	30	30	-	<b>5</b>
CHIM0022-2	<i>Introduction to Chemical Engineering</i> - Michel CRINE	30	30	-	<b>5</b>
PHYS0904-2	<i>Physics of materials (partim)</i> - Jacqueline LECOMTE#BECKERS, Jean-Marie LIÉGEOIS	20	10	-	<b>3</b>
CHIM0024-1	<i>Applied Physical Chemistry</i> - Benoît HEINRICHS, Jean-Paul PIRARD	30	45	-	<b>6</b>
CHIM0009-1	<i>Applied chemical thermodynamics</i> - Georges HEYEN	30	30	-	<b>5</b>
ELEC0431-1	<i>Electromagnetic energy transformation</i> - Christophe GEUZAINÉ	30	30	-	<b>5</b>
LOGI0001-2	<i>Supply Chain Management, Supply Chain Management</i> - Daniel DE WOLF	30	-	-	<b>3</b>
CHIM0081-1	<i>Industrial Chemistry Processes</i> - Albert GERMAIN	45	30	-	<b>6</b>
CHIM0665-1	<i>Macromolecular chemistry and procedures</i> - Anne-Sophie DUWEZ, Jean-Marie LIÉGEOIS	30	30	-	<b>5</b>
CHIM0666-1	<i>Inorganic materials: manufacturing procedures and propriety</i> - Rudi CLOOTS	30	30	-	<b>5</b>

## Second Year

**Compulsory courses**

ATFE0004-1 *Final Work (including an introduction to methodology and research)* - COLLÉGIALITÉ - - - **25**

**Optional courses**

[...] 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**

GEST3000-1	<i>First steps in an enterprise</i> - Robert NONDONFAZ, Bernard SURLEMONT	0,5	-	-	<b>2</b>
GEST3001-1	<i>Organization analysis</i> - Annie CORNET	-	-	-	<b>3</b>
GEST3002-1	<i>Human Resources Management</i> - Jocelyne ROBERT	16	-	-	<b>3</b>
GEST3003-1	<i>Competitive Strategy in the Marketplace</i> (english) - Michael GHILISSEN	16	-	-	<b>3</b>
GEST3004-1	<i>Marketing (operations and management)</i> (english) - Michael GHILISSEN	16	-	-	<b>3</b>
GEST3005-1	<i>Accountancy and Finance</i> - Jacques BERWART	24	-	-	<b>4</b>
GEST3006-1	<i>Production (Supply chain management)</i> (english) - Yasemin ARDA	45	-	-	<b>3</b>
GSTG3001-1	<i>Internship</i> - COLLÉGIALITÉ	-	-	-	<b>6</b>

**Optional courses**

Choose one of the following courses :

GEST3010-1	<i>Production 2 (Supply Chain Management 2nd part)</i> (english) - Robert NONDONFAZ	-	-	-	<b>3</b>
GEST3011-1	<i>ICT in the service of the company</i> - Alain DUBOIS	30	-	-	<b>3</b>
GEST3012-1	<i>Financial and actuarial modelling tools</i> - Louis ESCH	16	-	-	<b>3</b>