

## First Year

### Compulsory courses

CHIM0213-2	<i>Structural analysis</i> - Christian DAMBLON, Edwin DE PAUW	45	-	-	4
CHIM0609-1	<i>Advanced organic chemistry</i> - André LUXEN	30	-	-	4
CHIM0635-1	<i>Advanced physical chemistry</i> - Bernard LEYH	30	-	-	4
CHIM0636-1	<i>Macromolecular Physical Chemistry</i> - Christine JÉRÔME	30	-	-	4
CHIM0637-1	<i>Chemistry of materials</i>				4
	- <i>Partim : inorganique</i> - Bénédicte VERTRUYEN	20	-	-	
	- <i>Partim : organique + biologique</i> - Anne-Sophie DUWEZ	20	-	-	
BIOC0232-1	<i>Macromolecular Biochemistry</i> - Moreno GALLEN	30	30	-	4
CHIM0638-1	<i>Surfaces and interfaces</i> - Anne-Sophie DUWEZ	15	-	-	2
CHIM9219-1	<i>Theoretical and Quantum Chemistry</i> - Françoise REMACLE - [15h QA Sess.]	30	15	[+]	4
CHIM0096-1	<i>Nuclear chemistry</i> - André LUXEN	15	-	-	2
CHIM0645-1	<i>Integrated research project in laboratory</i> - Anne-Sophie DUWEZ	-	-	-	14

### Optional courses

Choose courses totalling 14 ECTS from the following :

CHIM0639-1	<i>Industrial Chemistry</i> - Albert GERMAIN	30	-	-	4
CHIM0640-1	<i>Microstructural Characterization techniques</i> - Philippe COMPÈRE, Catherine HENRIST	30	-	-	4
CHIM0641-1	<i>Electronic, optical and magnetic properties of solids</i> - Bénédicte VERTRUYEN	15	-	-	2
CHIM0642-1	<i>Molecular dynamics and photochemistry</i> - Bernard LEYH	30	-	-	4
BIOC0718-1	<i>Structure-function of biomolecules</i> - André MATAGNE, N...	15	-	-	2
CHIM0643-1	<i>Biomolecule thermodynamics</i> - Valérie GABELICA	15	-	-	2
CHIM0644-1	<i>Advanced analytical techniques</i> - Jean-François FOCANT	30	-	-	4
AESS0255-1	<i>Introduction to chemistry didactics</i> - Bernard LEYH	15	-	-	2

## Second Year

### Compulsory courses

CHIM0646-1	<i>Physical chemistry of nanostructures</i> - Anne-Sophie DUWEZ	15	-	-	2
CHIM0647-1	<i>Coordination Chemistry and Catalysis</i> - Lionel DELAUDE	30	-	-	4
CHIM0648-1	<i>Chemometrics and quality systems</i> - Jean-François FOCANT	15	-	-	2
CHIM0649-1	<i>Molecular Modeling</i> - Françoise REMACLE	20	-	-	3
CHIM0650-1	<i>Structural biological chemistry</i> - Christian DAMBLON	30	-	-	4
SMEM0016-1	<i>Final thesis</i> - COLLÉGIALITÉ	-	-	-	15

### Compulsory courses

CHIM0022-3	<i>Introduction to Chemical Engineering</i> - Michel CRINE	30	-	-	4
CHIM0095-2	<i>Energy carriers and sustainable development</i> - Albert GERMAIN	15	-	-	2
SPOL0385-2	<i>Environmental policy and sustainable development</i> - Quentin MICHEL	15	-	-	2
GEST0312-1	<i>Management Principles</i> - Keke MAKUNZA	30	-	-	4
CHIM0662-1	<i>Risk management in industry</i> - Albert GERMAIN	15	-	-	2
CHIM0651-1	<i>Seminars: conference cycles (all fields linked to chemistry)</i> - Anne-Sophie DUWEZ	-	-	-	4
SSTG0008-1	<i>Internship</i> - COLLÉGIALITÉ	-	-	-	12