

Cycle view of the study programme

		B1	Or	Th	Pr	Au	Cr
Compulsory courses (B1 : 48Cr)							
CHIM9291-1	<i>structural analysis</i> - Christian DAMBLON, Edwin DE PAUW	B1	Q2	45	-	-	4
CHIM0609-1	<i>Advanced organic chemistry</i> - André LUXEN	B1	Q1	30	-	-	4
CHIM0635-1	<i>Advanced physical chemistry</i> (english language) - Bernard LEYH	B1	Q1	30	-	-	4
CHIM0636-1	<i>Macromolecular physical chemistry</i> (english language) - Christine JÉRÔME	B1	Q1	30	-	-	4
CHIM0637-3	<i>Chemistry of materials, Inorganic materials</i> (english language) - Bénédicte VERTRUYEN	B1	Q1	20	-	-	2
CHIM0637-4	<i>Chemistry of materials, Organic and biological materials</i> (english language) - AnneSophie DUWEZ	B1	Q2	20	-	-	2
BIOC0232-1	<i>Macromolecular biochemistry</i> (english language) - Moreno GALLEN	B1	Q1	30	30	-	4
CHIM0638-1	<i>Surfaces and interfaces</i> (english language) - AnneSophie DUWEZ	B1	Q1	15	-	-	2
CHIM9219-1	<i>Theoretical and quantum chemistry</i> (english language) - Françoise REMACLE - [15h QA Sess.]	B1	Q1	30	15	[+]	4
CHIM0096-1	<i>Nuclear chemistry</i> (english language) - André LUXEN	B1	Q2	15	-	-	2
SMEM0015-1	<i>Final thesis</i> - COLLÉGIALITÉ	B1	TA	-	-	-	16

Optional courses (B1 : 12Cr)

Choose courses, with the approval of the Jury, totalling 12 credits among : (B1 : 1Nbr)

Chemistry

CHIM0081-3	<i>Industrial Chemistry Processes, structure of chemical industry</i> - Angélique LÉONARD - [1d FW]	B1	Q1	30	-	[+]	4
BIOL0114-4	<i>Electronic microscopies</i> - Philippe COMPÈRE	B1	Q2	15	-	-	2
CHIM9236-1	<i>Microstructure of Materials : characterization techniques</i> - Catherine HENRIST	B1	Q2	15	-	-	2
CHIM9264-1	<i>Electrical and magnetic properties of materials</i> - Bénédicte VERTRUYEN	B1	Q1	15	-	-	2
CHIM0642-1	<i>Molecular dynamics and photochemistry</i> - Bernard LEYH	B1	Q2	30	-	-	4
BIOC0719-1	<i>Enzymology</i> - André MATAGNE	B1	Q2	15	-	-	2
CHIM9259-2	<i>Analytical techniques in forensic chemistry</i> - JeanFrançois FOCANT	B1	Q2	15	-	-	2
CHIM0218-1	<i>Elements of medicinal chemistry</i> - Bernard PIROTTE	B1	Q2	15	-	-	2
CHIM9265-1	<i>Introduction to continuous flow organic synthesis</i> (english language) - JeanChristophe MONBALIU - [1d Vis.]	B1	Q2	15	10	[+]	4
AESS0255-1	<i>Introduction to chemistry didactics</i> - Bernard LEYH	B1	Q1	15	-	-	2

Environmental management

ENVT0034-1	<i>Environmental data management</i> - Philippe ANDRE, AnneClaude ROMAIN, Bernard TYCHON	B1	Q1	12	12	-	2
ENVT0013-3	<i>Assessment tools (impact assessment, LCA)</i> - Alain HANSON, Nathalie SEMAL	B1	Q2	12	12	-	2
ENVT3053-1	<i>Introduction to Social Science</i> - Michel DACCACHE	B1	Q1	12	12	-	2
ENVT3054-1	<i>Methodological Approach to Environmental Science, Part 1: Expression and reflexivity</i> - Philippe ANDRE, Vincent DEBBAUT, AnneClaude ROMAIN - Suppl : Fabien CLAUDE	B1	Q1	12	12	-	2
ENVT3054-2	<i>Methodological Approach to Environmental Science, Partim 2 : Project</i> - Philippe ANDRE, Vincent DEBBAUT, Ninfa GRECO,	B1	Q2	-	12	[+]	4

AnneClaude ROMAIN - Suppl : Fabien CLAUDE - [36h Mon. WS]

Notice : Students who choose the two courses from the "Environmental Science and Management" module will have direct access to the 2nd year of the Masters in Environmental Science and Management, organised on the Arlon campus. The other students will also have access to the 2nd year of the Masters in Environmental Science and Management, provided they take courses corresponding to these 12 ECTS in addition to the 60 ECTS of this year of study.

Additional ECTS Master in chemistry (60 ECTS)

Optional courses (B0 : 60Cr)

Students will follow a study programme worth 15 to 60 ECTS selected from the courses below. The programme will be established by the master's jury for each student according to their qualifications. (B0 : 60Cr)

CHIM0704-1	<i>Theoretical chemistry</i> - Françoise REMACLE - [15h QA Sess.]	B0	Q1	25	-	[+]	4
CHIM9287-1	<i>Theoretical and quantum Chemistry</i> - Françoise REMACLE - [15h QA Sess.]	B0	Q1	30	-	[+]	4
CHIM9288-1	<i>Spectroscopy and statistical thermodynamics elements</i> - Bernard LEYH - [20h QA Sess.]	B0	Q1	30	-	[+]	4
CHIM0278-1	<i>Organic chemistry III</i> - Lionel DELAUDE - [15h QA Sess.]	B0	Q1	30	55	[+]	8
CHIM9289-1	<i>Analytical Chemistry III - Physical Methods</i> - Gauthier EPPE - [15h QA Sess.]	B0	Q1	30	65	[+]	8
CHIM0678-1	<i>Biochemistry</i> - André MATAGNE	B0	Q1	30	-	-	3
INFO0202-1	<i>Programming Methods Applied to Chemistry</i> - Alejandro SILHANEK	B0	Q2	15	15	-	2
PHYS0968-1	<i>Mathematics of data reduction</i> - Alejandro SILHANEK	B0	Q2	25	20	-	4
CHIM9285-1	<i>Chemical Kinetics, Introduction to Spectrology and Group Theory</i> - Bernard LEYH - [20h QA Sess.]	B0	Q2	35	-	[+]	6
CHIM9291-1	<i>structural analysis</i> - Christian DAMBLON, Edwin DE PAUW	B0	Q2	45	-	-	4
CHIM0209-2	<i>Inorganic chemistry</i> - Bénédicte VERTRUYEN - [5h QA Sess., 1d Vis. Ind. Pl.]	B0	Q2	30	70	[+]	8
CHIM0283-4	<i>Chemistry of the macromolecules</i> - Christine JÉRÔME	B0	Q2	20	20	-	3
PHIL0201-1	<i>Elements of sciences philosophy</i> - Julien PIERON	B0	Q2	15	-	-	2
CHIM9292-1	<i>chemical Kinetics</i> - Bernard LEYH - [10h QA Sess.]	B0	Q2	20	-	[+]	3
CHIM9293-1	<i>spectroscopy Integrated laboratory</i> - Christian DAMBLON, Edwin DE PAUW, Gauthier EPPE, Bernard LEYH, JeanChristophe MONBALIU, Françoise REMACLE	B0	Q2	-	105	-	6
CHIM9294-1	<i>Bibliographic research, research project</i> - Caroline COLLETTE, Nicolas WILLET - [30h Internship]	B0	Q2	5	-	[+]	2
LANG0077-1	<i>English 2 (english language)</i> - Véronique DOPPAGNE, ISLV	B0	TA	45	-	-	4
LANG0082-1	<i>English 3 (english language)</i> - Clara BRERETON, Véronique DOPPAGNE, Ellen HARRY, ISLV	B0	TA	45	-	-	4