Cycle view of the study programme

		Bl	Or	Th	Pr	Au	Cr
Compulsory courses (B1 : 56Cr, B2 : 56Cr, B3 : 36Cr)							
BIOL2045-1	*Biology basis* - Patrick DU JARDIN, Ludivine LASSOIS	B1	Q1	18	6	-	**3**
BOTA0412-1	*Botany : Organization of seed plants* - Patrick DU JARDIN	B1	Q1	24	20	-	**4**
BOTA0413-1	*Botany : Diversity and evolution of plants* - Patrick DU JARDIN - [4h FT]	B1	Q2	20	16	[+]	**3**
CHIM9267-1	*Chemistry of equilibria* - Aurore RICHEL - [8h REM]	B1	Q2	20	21	[+]	**4**
CHIM9268-1	*Chemistry: from the atom to the molecule* - MarieLaure FAUCONNIER - [10h REM, 8h AUTR]	B1	Q1	31	36	[+]	**7**
ENVT0044-1	*Current environmental issues : project* - Catherine COLAUX - [3h AUTR]	B1	Q1	10	4	[+]	**2**
GBLX2131-2	*Biosphere, agriculture and society* - Benjamin DUMONT , Grégory MAHY - [5h SEM]	B1	Q2	40	-	[+]	**4**
GEOP0008-1	*Earth sciences: from the mineral to geospheres* - Frédéric HATERT - [8h FT]	B1	Q2	30	16	[+]	**4**
MATH0494-1	*General mathematics 1* - Catherine CHARLES - [8h REM, 10h AUTR]	B1	Q1	22	24	[+]	**4**
MATH0493-1	*General mathematics 2* - Catherine CHARLES - [8h REM]	B1	Q2	18	22	[+]	**4**
PHYS3024-1	*General physics: Thermodynamics* - Bernard LONGDOZ, Geoffroy LUMAY - [8h REM]	B1	Q1	16	18	[+]	**3**
PHYS3025-1	*General physics: Mechanics particle* - Bernard LONGDOZ - [8h REM]	B1	Q2	28	28	[+]	**5**
ZOOL2016-1	*Zoology : Basic concepts* - Eric HAUBRUGE - [2h AUTR]	B1	Q1	22	-	[+]	**2**
ZOOL2017-1	*Zoology: animal diversity and evolution* - Eric HAUBRUGE - [3h FT]	B1	Q1	10	20	[+]	**3**
ZOOL2018-1	*Zoology: animal behaviour* - François VERHEGGEN - [2h AUTR]	B1	Q2	20	-	[+]	**2**
ZOOL2019-1	*Zoology: Entomology* - Frédéric FRANCIS	B1	Q2	-	22	-	**2**
BIAA0002-1	*Agriculture and food technology* - Mohamed AYADI	B2	Q2	24	-	-	**2**
BIOL2011-1	*Animal and human physiology* - Yves BECKERS, Jérôme BINDELLE, Nicolas GENGLER, Martine SCHROYEN	B2	Q2	40	8	-	**4**
BOTA0414-1	*Systematic botany* - Pierre DELAPLACE, Patrick DU JARDIN	B2	TA	10	22	-	**3**
CHIM9238-3	*Analytical chemistry* - Philippe MAESEN, Giorgia PURCARO	B2	Q2	16	32	-	**4**
CHIM9239-2	*Chemistry of renewable resources* - Aurore RICHEL **Prerequisite :** CHIM9268-1 - Chimie : De l'atome à la molécule	B2	Q2	36	-	-	**3**
CHIM9255-3	*Organic Chemistry* - MarieLaure FAUCONNIER	B2	Q1	21	27	-	**4**
ECON2244-1	*Political and social economy* - Thomas DOGOT, Kevin MARÉCHAL	B2	Q2	28	20	-	**4**
ELEC0438-1	*Electricity* - Bernard HEINESCH **Prerequisite :** MATH0493-1 - Mathématique générale 2 MATH0494-1 - Mathématique générale 1	B2	Q1	24	36	-	**5**
FORE0001-2	*Forest ecosystem management* - Hugues CLAESSENS, JeanLouis DOUCET **Corequisite :** GEOP0009-1 - Science du sol	B2	Q2	24	-	-	**2**
GEOP0009-1	*Ground science* - N... - [6h AUTR] **Prerequisite :** GEOP0008-1 - Sciences de la Terre : Du minéral aux géosphères	B2	Q2	44	8	[+]	**5**
INFO2037-1	*Introduction to computer science* - Hélène SOYEURT	B2	Q1	6	18	-	**2**
MATH0485-3	*General mathematics 3* - Catherine CHARLES	B2	Q1	14	21	-	**3**

	Prerequisite : MATH0494-1 - Mathématique générale 1						
MECA0519-1	*Mechanics of rigid bodies* - Benoît MERCATORIS **Prerequisite :** PHYS3025-1 - Physique générale : Mécanique particule MATH0494-1 - Mathématique générale 1	B2	Q1	12	12	-	**2**
PHYS3026-1	*General physics : fluid dynamics and photometry* - Laurent DREESEN, Benoît MERCATORIS	B2	Q2	9	15	-	**2**
SOCI2233-1	*Sociology* - Julie GÉRARD	B2	Q1	24	-	-	**2**
STAT2002-1	*Fundamental statistics, first part* - Yves BROSTAUX	B2	Q1	18	18	-	**3**
STAT2003-1	*Basic statistics, part 2* - Yves BROSTAUX **Corequisite :** STAT2002-1 - Statistique fondamentale, 1ère partie	B2	Q2	12	12	-	**2**
ZOOL2020-1	*Zoology: Evolution* - Eric HAUBRUGE - [5h AUTR]	B2	Q1	22	-	[+]	**3**
GBLX2154-1	*Philosophy and ethics in bioengineering* - Patrick DU JARDIN, Pieter THYSSEN	B2	Q1	24	-	-	**1**
GEST3028-2	*Accounting and management* - Thomas DOGOT	B3	Q1	22	26	-	**4**
GEST3773-1	*Management of quality* - Mohamed AYADI, Sébastien MASSART - [6h AUTR]	B3	Q1	18	-	[+]	**2**
STAT2004-1	*Applied statistics : First part* - Yves BROSTAUX **Prerequisite :** STAT2003-1 - Statistique fondamentale, 2e partie	B3	Q1	12	12	-	**2**
STAT2005-1	*Applied statistic : Second part* - Yves BROSTAUX **Corequisite :** STAT2004-1 - Statistique appliquée : 1ère partie	B3	Q2	12	12	-	**2**
PSYC5897-3	*Team, organization and change* - Daniel FAULX, Tiber MANFREDINI, Elise SEGHERS - [44h SEM] **Corequisite :** GEST3028-2 - Comptabilité et gestion des entreprises GEST3773-1 - Gestion de la qualité MANA0003-1 - Portfolio (Bachelier) *Notice* : Course accessible only to students nearing the end of their programme (i.e. with no more than 64 bachelor's credits left to acquire) and who meet the corequisite conditions.	B3	TA	4	-	[+]	**2**
MANA0003-1	*Portfolio (Bachelor)* - Yves BECKERS, Hugues CLAESSENS, Gilles COLINET, Pierre DELAPLACE, Dorothée GOFFIN - [24h AUTR] **Corequisite :** PSYC5897-3 - Equipe, organisation & changement	B3	TA	-	-	[+]	**2**
RSTG0008-1	*Internship (Bachelor)* - Hélène SOYEURT - [18h AUTR]	B3	TA	6	-	[+]	**2**
BIOL2044-1	*Plant physiology* - Patrick DU JARDIN **Prerequisite :** BIOL2045-1 - Fondements de biologie BOTA0412-1 - Botanique : Organisation des plantes à graines	B3	Q1	27	9	-	**3**
BIOL2013-2	*General microbiology, Introduction* - Patrick FICKERS, Philippe JACQUES **Prerequisite :** BIOL2045-1 - Fondements de biologie	B3	Q1	16	8	-	**2**
ENVT2044-1	*General ecology* - Grégory MAHY, Arnaud MONTY **Prerequisite :** GBLX2131-2 - Biosphère, agriculture et société BOTA0414-1 - Botanique systématique	B3	Q1	24	-	-	**2**
INFO2038-1	*Computer science and algorithmic* - Hélène SOYEURT **Prerequisite :**	B3	Q1	2	22	-	**2**

	INFO2037-1 - Introduction à l'informatique						
MATH2016-1	*General mathematics and modelling of dynamics systems* - Jérôme BINDELLE, Catherine CHARLES, Frank DELVIGNE, Gauthier LIGOT, Benoît MERCATORIS **Prerequisite :** MATH0485-3 - Mathématique générale 3	B3	Q1	24	24	-	**4**
PHYS3036-1	*Environmental physics* - Bernard LONGDOZ **Prerequisite :** PHYS3026-1 - Physique générale : mécanique des fluides et photométrie	B3	Q1	18	18	-	**3**
LANG2966-2	*English language: level 3* - Lelania SPERRAZZA - [48h E-Lrng]	B3	TA	-	24	[+]	**4**

Optional courses (B1 : 4Cr, B2 : 4Cr, B3 : 24Cr)

Two language courses for a total of 8 credits based on the level test in block 1: (B1 : 4Cr, B2 : 4Cr)

LANG2950-1	*English language: level 1 - beginner* - Estelle MAYARD - [48h E-Lrng]	B1	TA	-	24	[+]	**4**
LANG3019-1	*English language: advanced level 1* - Fiona THEWISSEN - [48h E-Lrng]	B1	TA	-	24	[+]	**4**
LANG2962-1	*Advanced English: level 1* - Fiona THEWISSEN - [48h E-Lrng] **Prerequisite :** LANG2950-1 - Langue anglaise : niveau 1 - débutant	B2	TA	-	24	[+]	**4**
LANG2966-3	*English language: level 3* - Lelania SPERRAZZA - [48h E-Lrng] **Prerequisite :** LANG3019-1 - Langue anglaise : niveau 1 avancé	B2	TA	-	24	[+]	**4**

Choose one course from the following : (B3 : 1Nbr)

If the student does not undertake Erasmus mobility at the end of the Bachelor's programme:

INGE0008-1	*Multidisciplinary experimental project* - Yves BROSTAUX, Pierre DELAPLACE, Sébastien MASSART, Benoît MERCATORIS, Jacques MIGNON, Arnaud MONTY - [60h AUTR] **Corequisite :** STAT2004-1 - Statistique appliquée : 1ère partie STAT2005-1 - Statistique appliquée : 2ème partie GEST3773-1 - Gestion de la qualité BIOL2044-1 - Physiologie végétale ENVT2044-1 - Ecologie générale	B3	TA	6	6	[+]	**6**

If the student undertakes Erasmus mobility at the end of the Bachelor's programme:

DOCU0449-3	*Scientific literature and information literacy* - Jacques MIGNON - [14h AUTR]	B3	Q1	4	6	[+]	**2**

Choose one option from the following : (B3 : 1Nbr)

Agronomy (B3 : 18Cr)

AGRO0001-1	*Basic principles of agriculture and agroecology* - Pierre DELAPLACE, Benjamin DUMONT - [4h Ex.]	B3	Q2	16	4	[+]	**2**
AGRO0002-1	*Fertilization and crop nutrition* - Caroline DE CLERCK, Patrick DU JARDIN, Benjamin DUMONT - [4h AUTR] **Prerequisite :** GEOP0009-1 - Science du sol **Corequisite :** AGRO0001-1 - Fondement d'agriculture et d'agroécologie BIOL2044-1 - Physiologie végétale	B3	Q2	16	4	[+]	**2**
AGRO0021-1	*Introduction to cultivation techniques and levers* - Benjamin DUMONT , Ludivine LASSOIS - [4h AUTR] **Corequisite :**	B3	Q2	18	2	[+]	**2**

	AGRO0001-1 - Fondement d'agriculture et d'agroécologie						
BIOL2015-3	*Molecular biology* - Patrick FICKERS **Corequisite :** BIOL2016-3 - Génétique générale	B3	Q2	24	-	-	**2**
BIOL2016-3	*General genetics* - Nicolas GENGLER, Ludivine LASSOIS **Corequisite :** BIOL2015-3 - Biologie moléculaire	B3	Q2	12	12	-	**2**
BIOL2018-1	*Animal nutrition* - Yves BECKERS **Prerequisite :** BIOL2011-1 - Physiologie animale et humaine	B3	Q2	24	-	-	**2**
SPRA0001-1	*Sustainable breeding and zoogenetic resources* - Nicolas GENGLER - [4h FT] **Corequisite :** BIOL2016-3 - Génétique générale	B3	Q2	20	-	[+]	**2**
BIOL2043-1	*Application of molecular biology and genetics* - Nicolas GENGLER, Martine SCHROYEN, Hervé VANDERSCHUREN, Luc WILLEMS **Corequisite :** BIOL2016-3 - Génétique générale	B3	Q2	-	24	-	**2**
GERE0043-1	*Foundations of soil quality* - Gilles COLINET, Caroline DE CLERCK, Aurore DEGRÉ	B3	Q2	18	6	-	**2**
Chemistry and bioindustry (B3 : 18Cr)							
BIAA0003-1	*Modelling physical and biological processes* - Frank DELVIGNE	B3	Q2	24	-	-	**2**
BIOL2015-3	*Molecular biology* - Patrick FICKERS **Corequisite :** BIOL2016-3 - Génétique générale	B3	Q2	24	-	-	**2**
BIOL2016-3	*General genetics* - Nicolas GENGLER, Ludivine LASSOIS **Corequisite :** BIOL2015-3 - Biologie moléculaire	B3	Q2	12	12	-	**2**
BIOL2019-1	*Theoretical chemistry and physics applied to biomoleculs structural analysis* - Christian DAMBLON, Loïc QUINTON	B3	Q2	24	24	-	**4**
CHIM9269-2	*Catalysis* - MarieLaure FAUCONNIER - [2h AUTR]	B3	Q2	6	12	[+]	**2**
CHIM9242-4	*Fundamentals of quantitative analytical chemistry* - Giorgia PURCARO **Prerequisite :** CHIM9238-3 - Chimie analytique	B3	Q2	16	32	-	**4**
ALIM0013-2	*Techniques for preparing and preserving foods* - *General concepts* - Christophe BLECKER - *In-depth study for bioengineers* - Christophe BLECKER	B3	Q2 21 3	 - -	 - -		**2**
Environmental sciences and technologies (B3 : 18Cr)							
GERE0036-1	*Instrumentation: sensors and signals* - Benoît MERCATORIS **Prerequisite :** ELEC0438-1 - Electricité **Corequisite :** MATH2016-1 - Mathématique générale et modélisation des systèmes dynamiques	B3	Q2	24	24	-	**4**
HYDR0001-1	*General hydrology* - Aurore DEGRÉ	B3	Q2	14	10	-	**2**
GERE0043-1	*Foundations of soil quality* - Gilles COLINET, Caroline DE CLERCK, Aurore DEGRÉ	B3	Q2	18	6	-	**2**
INGE0001-2	*Strength of materials and elasticity* - *Introduction* - Laurent DUCHENE - *In-depth study* - Laurent DUCHENE **Prerequisite :** MECA0519-1 - Mécanique du corps rigide	B3	Q2 24 12	 - -	 - -		**3**

	MATH0485-3 - Mathématique générale 3						
PHYS3010-2	*Climate changes* - Bernard LONGDOZ **Prerequisite :** PHYS3026-1 - Physique générale : mécanique des fluides et photométrie	B3	Q2	24	-	-	**2**
ENVT3129-1	*Evaluating sustainability* - Andrea DI MARIA - [2h SEM]	B3	Q2	12	16	[+]	**3**

Select 1 course from Environmental sciences and technologies subject : (B3 : 1Nbr)

AGRO0001-1	*Basic principles of agriculture and agroecology* - Pierre DELAPLACE, Benjamin DUMONT - [4h Ex.]	B3	Q2	16	4	[+]	**2**
INGE0002-1	*Refrigeration and drying* - Nicolas JACQUET, Paul MALUMBA KAMBA **Prerequisite :** PHYS3024-1 - Physique générale : Thermodynamique	B3	Q2	18	6	-	**2**

Management of forests and natural areas (B3 : 18Cr)

AGRO0001-1	*Basic principles of agriculture and agroecology* - Pierre DELAPLACE, Benjamin DUMONT - [4h Ex.]	B3	Q2	16	4	[+]	**2**
BIOL2015-3	*Molecular biology* - Patrick FICKERS **Corequisite :** BIOL2016-3 - Génétique générale	B3	Q2	24	-	-	**2**
BIOL2016-3	*General genetics* - Nicolas GENGLER, Ludivine LASSOIS **Corequisite :** BIOL2015-3 - Biologie moléculaire	B3	Q2	12	12	-	**2**
FORE0021-2	*Tree species in temperate regions* - Arnaud MONTY **Prerequisite :** BOTA0414-1 - Botanique systématique	B3	Q2	12	12	-	**2**
FORE0022-3	*Ecological fondations of the silviculture* - Hugues CLAESSENS - [12h AUTR] **Prerequisite :** FORE0001-2 - Gestion des écosystèmes forestiers	B3	Q2	12	2	[+]	**2**
HYDR0001-1	*General hydrology* - Aurore DEGRÉ	B3	Q2	14	10	-	**2**
INGE0001-4	*Strength of materials and elasticity, Introduction* - Laurent DUCHENE **Prerequisite :** MECA0519-1 - Mécanique du corps rigide MATH0485-3 - Mathématique générale 3	B3	Q2	24	-	-	**2**
PAYS0006-2	*Landscape ecology concepts* - Jan BOGAERT **Prerequisite :** GBLX2131-2 - Biosphère, agriculture et société BOTA0413-1 - Botanique : Diversité et évolution des végétaux	B3	Q2	12	12	-	**2**
PHYS3010-2	*Climate changes* - Bernard LONGDOZ **Prerequisite :** PHYS3026-1 - Physique générale : mécanique des fluides et photométrie	B3	Q2	24	-	-	**2**

Optional activities (B3 : 14Cr)

RSTG0012-1	*Additional internship* - Pierre DELAPLACE	B3	TA	-	-	-	**5**
HULG9544-1	*French course for IN mobility students (S1)* - N...	B3	Q1	-	-	-	**3**
HULG9545-1	*French course for IN mobility students (S2)* - N...	B3	Q2	-	-	-	**3**
HULG9546-1	*Erasmus: integration weeks* - N...	B3	Q1	-	-	-	**3**

Learning support activities (B1 : 1Cr)

Aimed at students who have acquired less than 30 credits.

Faculty activities

RREM0002-1	*Remediation Chemistry from the atom to the molecule in T1 (CHIM9268-1)* - MarieLaure FAUCONNIER - [20h REM]	B1	Q1	-	-	[+]	-
RREM0003-1	*Remediation Thermodynamics (PHYS3024-1)* - Geoffroy LUMAY - [20h REM]	B1	Q1	-	-	[+]	-
RREM0006-1	*Remediation in Mathematics Part I (MATH0494-1)* - Catherine CHARLES - [40h REM]	B1	Q1	-	-	[+]	-
RREM0010-1	*Learning support activities in particle mechanics (PHYS3025-1)* - Bernard LONGDOZ - [20h REM]	B1	Q2	-	-	[+]	-

Cross-disciplinary activities

IREM0009-1	*Hebdo MethodO: additional support linked to the context of repeating a year* - Sylviane HUBERT, AnneFrance LANOTTE - [5h REM]	B1	TA	-	-	[+]	-
IREM0010-1	*Getting B1 off to a good start* - Sylviane HUBERT, AnneFrance LANOTTE - [2h REM]	B1	Q1	-	-	[+]	-
IREM0018-1	*Maintaining or rediscovering your motivation if you have to repeat a year (Q1)* - Céline MATHY, Sandrine WUIDART - [2h REM]	B1	Q1	-	-	[+]	-
LREM0010-1	*Taking stock of your skills in French (Q1)* - Samia HAMMAMI, Frédéric SAENEN - [15h REM]	B1	Q1	-	-	[+]	-

Aimed at students with reduced hours (art. 150)

- To consult the list of courses, click on this link: https://www.student.uliege.be/student/remediations-allegement150
- To add these courses to your SAP, please contact the student affairs office

Aimed at all students in block 1.

- To consult the list of courses, click on this link: https://www.student.uliege.be/student/remediations-toutpublic
- To add these courses to your SAP, please contact the student affairs office