Cycle view of the study programme

		Bl	Or	Th	Pr	Au	Cr
Compulsory courses (B1 : 57Cr, B2 : 56Cr, B3 : 36Cr)							
Materials, energy and sustainable technologies							
PHYS3141-1	*Study of movements: part 1* - Bernard LONGDOZ	B1	Q2	10	10	-	**2**
PHYS3142-1	*Introduction to thermodynamics - application to ideal gases* - Bernard LONGDOZ, Geoffroy LUMAY	B1	Q1	20	20	-	**4**
CHIM9388-1	*Chemistry : from the atom to the molecule* - MarieLaure FAUCONNIER	B1	Q1	25	25	-	**5**
CHIM9389-1	*Chemistry of Equilibria* - Aurore RICHEL - [9h AUTR]	B1	Q2	20	21	[+]	**5**
Data modelling and analysis							
MATH7375-1	*Introduction to mathematical and digital tools in data analysis* - Yves BROSTAUX, Catherine CHARLES, Hélène SOYEURT	B1	Q1	30	30	-	**6**
MATH7376-1	*Further study of basic mathematical and digital tools* - Catherine CHARLES	B1	Q2	24	36	-	**6**
Biodiversity and the functioning of living organisms							
BIOL2218-1	*Biology : Organisation and Functioning of Living beings* - Rudy CAPARROS MEGIDO, Pierre DELAPLACE, Eric HAUBRUGE, Ludivine LASSOIS	B1	Q1	44	16	-	**6**
BIOL2219-1	*Biology : Diversity and Evolution of Living beings* - Pierre DELAPLACE, Eric HAUBRUGE, Ludivine LASSOIS	B1	Q2	42	38	-	**8**
Ecosystem, climate and agriculture							
ENVT4125-1	*Biomes* - Gilles COLINET, Grégory MAHY	B1	Q1	36	24	-	**5**
ENVT4126-1	*Fluxes and balances in ecosystems* - JeanFrançois BASTIN, Aurore DEGRÉ	B1	Q2	25	25	-	**5**
DURA0013-1	*Sustainability and transition* - Grégory MAHY	B1	Q2	-	20	-	**2**
Communication, languages and project management							
GBLX2157-1	*First Year Seminars* - Yves BROSTAUX, Catherine COLAUX, Aurore DEGRÉ, Manon GENVA, Dorothée GOFFIN, Paul MALUMBA KAMBA, Estelle MAYARD, Jeroen MEERSMANS, Jacques MIGNON, François VERHEGGEN	B1	Q1	-	30	-	**3**
[...]	List of transitional courses - BA1 reform (Faculty Office only)						
MATH7377-1	*Introduction to data analysis* - Yves BROSTAUX, Hélène SOYEURT - [2h AUTR]	B1	Q1	12	6	[+]	**2**
BIOL2223-1	*Cell biology* - Ludivine LASSOIS - [2h AUTR]	B1		18	2	[+]	**2**
BOTA0418-1	*Botany : Vegetative and reproductive development* - Pierre DELAPLACE	B1	Q1	12	10	-	**2**
ZOOL2022-1	*Zoology: Functional organisation of animals* - Rudy CAPARROS MEGIDO, Eric HAUBRUGE - [5h AUTR]	B1	Q1	15	4	[+]	**2**
BIOL2224-1	*Introduction to genetics* - Ludivine LASSOIS	B1	Q2	12	8	-	**2**
BOTA0417-1	*Botany : Diversity and Vegetal evolution* - Pierre DELAPLACE	B1	Q2	14	16	-	**3**
ZOOL2023-1	*Zoology: Animal diversity and concepts of evolution* - Rudy CAPARROS MEGIDO, Eric HAUBRUGE	B1	Q2	16	-	-	**3**
CHIM9392-1	*Complement of chemistry* - MarieLaure FAUCONNIER	B1	Q1	12	-	-	**1**
LANG0402-1	*English supplement level 1* - Estelle MAYARD	B1	Q1	12	-	-	**1**
MATH0494-1	*General mathematics 1* - [8h REM, 10h AUTR]	B1	Q1	22	24	[+]	**4**
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* - Gilles COLINET - [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 **Prerequisite :** MATH0494-1 - Mathématique générale 1	B2	Q1	14	21	-	**3**
MECA0519-1	*Mechanics of rigid bodies* - Benoît MERCATORIS - Suppl : Pierre DUMORTIER **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* - Audrey BABIC, Tiber MANFREDINI, Elise SEGHERS - [44h SEM]	B3	TA	4	-	[+]	**2**

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.

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 :** INFO2037-1 - Introduction à l'informatique	B3	Q1	2	22	-	**2**
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] **Prerequisite :** LANG2962-1 - Langue anglaise : niveau 2	B3	TA	-	24	[+]	**4**

Optional courses (B1 : 3Cr, B2 : 4Cr, B3 : 24Cr)

Two language courses totalling 7 credits are allocated on the basis of the placement test in Block 1: (B1 : 3Cr, B2 : 4Cr)

LANG0400-1	*English: level 1 - beginner* - Estelle MAYARD - [6h AUTR]	B1	TA	38	-	[+]	**3**
LANG0401-1	*English: level 1 - advanced* - Fiona THEWISSEN - [6h AUTR]	B1	TA	24	-	[+]	**3**
LANG2962-1	*Advanced English: level 1* - Fiona THEWISSEN - [48h E-Lrng] **Prerequisite :** LANG0400-1 - Langue anglaise : niveau 1 - débutant	B2	TA	-	24	[+]	**4**
LANG2966-3	*English language: level 3* - Lelania SPERRAZZA - [48h E-Lrng] **Prerequisite :** LANG0401-1 - Langue anglaise - niveau 1 avancé LANG2962-1 - Langue anglaise : niveau 2	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,	B3	TA	6	6	[+]	**6**

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

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* - Nicolas DESOIGNIES, Benjamin DUMONT - [4h AUTR] **Corequisite :** AGRO0001-1 - Fondement d'agriculture et d'agroécologie	B3	Q2	18	2	[+]	**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**
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 MATH0485-3 - Mathématique générale 3	B3	Q2 24 12	- -	- -		**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 :**	B3	Q2	12	2	[+]	**2**

	FORE0001-2 - Gestion des écosystèmes forestiers						
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	*Remedial chemistry: from the atom to the molecule (1st term)* - MarieLaure FAUCONNIER - [20h REM]	B1	Q1	-	-	[+]	-
RREM0003-1	*Remediation: introduction to thermodynamics* - Geoffroy LUMAY - [20h REM]	B1	Q1	-	-	[+]	-
RREM0006-1	*Remediation in mathematics, part 1* - Catherine CHARLES - [40h REM]	B1	Q1	-	-	[+]	-
RREM0010-1	*Learning support activities in particle mechanics* - Bernard LONGDOZ - [20h REM]	B1	Q2	-	-	[+]	-

Cross-disciplinary activities

IREM0010-1	*Getting the year off to a good start* - AnneFrance LANOTTE, Serena LEINER - [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