

Cycle view of the study programme

	Bl	Or	Th	Pr	Au	Cr
Compulsory courses (B1 : 60Cr, B2 : 48Cr, B3 : 48Cr)						
MATH0073-1 <i>Elementary mathematics</i> - Julien LEROY - [15h Mon. WS]	B1	Q1	30	30	[+]	7
MATH0069-1 <i>Matrix calculation</i> - Michel RIGO	B1	Q1	30	25	-	7
MATH0071-1 <i>Fundamental analysis, part 1</i> - Samuel NICOLAY	B1	Q1	45	30	-	8
PHYS1985-1 <i>General physics I</i> - John MARTIN, Nicolas VANDEWALLE	B1	Q1	40	40	-	7
LANG2967-2 <i>English: introduction (english language)</i> - Véronique DOPPAGNE	B1	Q1	30	-	-	2
MATH0070-1 <i>Linear algebra</i> - Michel RIGO	B1	Q2	30	25	-	6
MATH0072-1 <i>Fundamental analysis, part 2</i> - Samuel NICOLAY	B1	Q2	45	30	-	7
MATH1203-1 <i>Geometry I</i> - <i>Elements of affine and Euclidian geometry</i> - Pierre MATHONET - <i>Additional affine and Euclidian geometry</i> - Pierre MATHONET	B1	Q2	25	15	-	7
MATH1472-1 <i>Descriptive statistics and data analysis</i> - Arnout VAN MESSEM - [10h Mon. WS]	B1	Q2	25	15	[+]	5
MATH2010-1 <i>Mathematical software</i> - Emilie CHARLIER	B1	Q2	15	30	-	4
MATH0080-1 <i>Differential calculus</i> - JeanPierre SCHNEIDERS Prerequisite : MATH0071-1 - Analyse fondamentale, partie 1 Corequisite : MATH2011-1 - Compléments d'algèbre linéaire	B2	Q1	30	30	-	7
MATH2011-1 <i>Linear algebra supplements</i> - Laurent LOOSVELDT Prerequisite : MATH0069-1 - Calcul matriciel MATH0070-1 - Algèbre linéaire	B2	Q1	30	20	-	5
MATH0503-1 <i>Logic and mathematical approach of programming</i> - Michel RIGO - [30h Mon. WS] Prerequisite : MATH2010-1 - Logiciels mathématiques	B2	Q1	20	-	[+]	4
MATH0499-1 <i>Graph theory</i> - Michel RIGO Prerequisite : MATH0070-1 - Algèbre linéaire	B2	Q1	25	20	-	4
MATH0248-1 <i>Geometry II</i> - Pierre MATHONET Prerequisite : MATH0070-1 - Algèbre linéaire MATH1203-1 - Géométrie I	B2	Q2	30	30	-	7
MATH2006-2 <i>Introduction to numerical analysis</i> - JeanPierre SCHNEIDERS Prerequisite : MATH0071-1 - Analyse fondamentale, partie 1 MATH0072-1 - Analyse fondamentale, partie 2 Corequisite : MATH0503-1 - Logique et approche mathématique de la programmation	B2	Q2	30	30	-	7
MATH0081-1 <i>Integral calculation</i> - Samuel NICOLAY Prerequisite : MATH0071-1 - Analyse fondamentale, partie 1 MATH0072-1 - Analyse fondamentale, partie 2 Corequisite : MATH0080-1 - Calcul différentiel	B2	Q2	30	30	-	7
MATH0246-2 <i>Algebraic structures</i> - Julien LEROY	B2	Q2	30	30	-	7
MATH0510-1 <i>Additional analysis</i> - JeanPierre SCHNEIDERS Prerequisite : MATH2006-2 - Introduction à l'analyse numérique	B3	Q1	30	30	-	6

	MATH0080-1 - Calcul différentiel							
MATH0256-2	<i>Differential Geometry I</i> - Pierre MATHONET	B3	Q1	30	20	-		5
MATH2023-1	<i>Theory of formal languages</i> - Julien LEROY	B3	Q1	30	20	-		5
MATH7372-1	<i>Probabilities</i> - Céline ESSER, Laurent LOOSVELDT	B3	Q1	30	30	-		6
	Prerequisite : MATH0081-1 - Calcul intégral							
MATH2250-1	<i>Galois theory</i> - Emilie CHARLIER	B3	Q2	30	20	-		5
	Prerequisite : MATH0246-2 - Structures algébriques							
MATH0474-1	<i>Statistics</i> - Gentiane HAESBROECK - [10h Mon. WS]	B3	Q2	25	15	[+]		5
	Prerequisite : MATH0081-1 - Calcul intégral MATH0080-1 - Calcul différentiel							
	Corequisite : MATH7372-1 - Probabilités							
MATH0511-1	<i>Introduction to harmonic analysis</i> - Françoise BASTIN	B3	Q2	30	30	-		6
	Prerequisite : MATH0081-1 - Calcul intégral MATH0080-1 - Calcul différentiel							
DURA0005-2	<i>Sustainability and transition</i> - Sylvie GOBERT, Catherine HENRIST, Sybille MERTENS DE WILMARS - [8h Mon. WS]	B3	Q2	12	-	[+]		2
DOCU0044-1	<i>Techniques of documentation and communication, integrated project</i> - Part 1: <i>Techniques of documentation and communication</i> - Fabienne PROSMANS - Part 2: <i>Integrated project</i> - Laurent LOOSVELDT	B3	TA	30	-	-		8
	Prerequisite : MATH0081-1 - Calcul intégral MATH0248-1 - Géométrie II MATH0499-1 - Théorie des graphes MATH0246-2 - Structures algébriques							
	Corequisite : MATH7372-1 - Probabilités							

Optional courses (B2 : 12Cr, B3 : 12Cr)

In agreement with the Jury, choose courses for a total of 12 credits from the courses offered below: (B2 : 12Cr)

Mathematics applied to economics and management

ECON0323-1	<i>First principles of economics</i> - HenryJean GATHON	B2	Q1	26	-	-		3
GEST0832-4	<i>Financial Markets</i> - Georges HÜBNER	B2	Q2	40	15	-		5
GEST0029-1	<i>General Corporate Accounting (Night classes)</i> - Anne BILS	B2	Q2	30	15	-		4

Physics

MECA0201-1	<i>Analytical Mechanics I</i> - Pierre DAUBY	B2	Q1	30	30	-		6
PHYS1986-1	<i>General physics II, Part A</i> - Ngoc Duy NGUYEN	B2	Q2	35	25	-		6

Computer science

INFO2009-2	<i>Introduction to computer science</i> - Bernard BOIGELOT	B2	Q1	24	14	-		4
	Corequisite : MATH0503-1 - Logique et approche mathématique de la programmation							
INFO0061-4	<i>Computers organization</i> - Bernard BOIGELOT	B2	Q2	15	15	-		3
	Corequisite : MATH0503-1 - Logique et approche mathématique de la programmation							
INFO0062-1	<i>Object-oriented programming (english language)</i> - Bernard BOIGELOT - [20h Proj.]	B2	Q2	25	20	[+]		5

Corequisite :

MATH0503-1 - Logique et approche mathématique de la programmation

In agreement with the Jury, choose courses for a total of 12 credits from the courses offered below or from the elective courses not already chosen in block 2: (B3 : 12Cr)

Mathematics applied to economics and management

MQGE0001-6	<i>Operations Research</i> (english language) - Jérôme DE BOECK	B3	Q1	45	-	-	6
FINA0053-1	<i>Investments and Portfolio Management</i> (english language) - Georges HÜBNER, Patrick SCHWARZ	B3	Q2	30	-	-	6
	Prerequisite : GEST0832-4 - Marchés financiers						

Physics

MECA0523-1	<i>Analytical mechanics II</i> - Part A - Pierre DAUBY - Part B - Pierre DAUBY	B3	Q1	12 18	15 15	- -	6
MECA0523-2	<i>Analytical mechanics II, Part A</i> - Pierre DAUBY	B3	Q1	12	15	-	3
SPAT0065-1	<i>Introduction to Astronomy</i> - Grégor RAUW	B3	Q1	20	10	-	3
PHYS3030-2	<i>Electromagnetism</i> - Partim A - John MARTIN - Partim B - John MARTIN	B3	Q2	30 -	15 5	- -	6

Computer science

MATH0462-1	<i>Discrete optimization</i> (english language) - Quentin LOUVEAUX - [25h Proj.]	B3	Q2	30	20	[+]	6
INFO0054-1	<i>Functional programming</i> - Christophe DEBRUYNE - [20h Proj.]	B3	Q1	24	24	[+]	6
MATH1222-3	<i>Introduction to stochastic processes</i> - Céline ESSER, Pierre GEURTS - [10h Mon. WS]	B3	Q2	20	10	[+]	4
	Prerequisite : INFO0062-1 - Object-oriented programming INFO2009-2 - Introduction à l'informatique						
	Corequisite : MATH0474-1 - Statistique MATH7372-1 - Probabilités						

Mathematics

MATH0257-2	<i>Complex analysis</i> - JeanPierre SCHNEIDERS	B3	Q1	30	30	-	6
	Prerequisite : MATH0081-1 - Calcul intégral MATH0080-1 - Calcul différentiel						
MATH0212-2	<i>General topology</i> - Céline ESSER - [10h Mon. WS]	B3	Q2	30	20	[+]	6

[...] elective courses not already chosen in block 2

Optional free courses (B2 : 4Cr)

OCEA0053-1	<i>Study of Oceans and Coastal Management</i> - Sylvie GOBERT, Anne GOFFART	B2	Q2	15	25	-	4
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Learning support activities (B1 : 1Cr)

Aimed at students who have acquired less than 30 credits.

Cross-disciplinary activities

AREM0007-1	<i>Remedial "Computer Science"</i> - Bernard BOIGELOT - [10h REM]	B1	Q2	-	-	[+]	-
AREM0008-1	<i>Help to succeed in "Computer Science"</i> - Bernard BOIGELOT - [10h REM]	B1	Q1	-	-	[+]	-

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