

**Cycle view of the study programme**

		Bl	Or	Th	Pr	Au	Cr
<b>Compulsory courses (B1 : 60Cr, B2 : 60Cr, B3 : 40Cr)</b>							
LANG0085-1	<i>Basic English for Computing</i> (english language) - Daphné BUI, Sabrina D'ARCONSO, David VANMANSHOVEN	B1	Q2	4	36	-	4
INFO0030-3	<i>Programming Projects</i> - Benoît DONNET - [100h Proj.] <b>Corequisite :</b> INFO0946-1 - Introduction à la programmation INFO0947-1 - Compléments de programmation	B1	Q2	20	-	[+]	7
INFO0061-4	<i>Computers organization</i> - Bernard BOIGELOT	B1	Q2	15	15	-	3
MATH2007-1	<i>General mathematics I</i> - Françoise BASTIN	B1	Q1	30	40	-	6
PHYS3027-1	<i>Elements of physics : mechanics</i> - Matthieu VERSTRAETE - Suppl : Jérémy BRISBOIS	B1	Q1	15	10	-	4
PHYS3028-1	<i>Elements of physics: electromagnetism</i> - Matthieu VERSTRAETE - Suppl : Jérémy BRISBOIS - [10h Labo.] <b>Corequisite :</b> PHYS3027-1 - Eléments de physique : mécanique	B1	Q2	15	20	[+]	4
INFO0946-1	<i>Introduction to computer programming</i> - Benoît DONNET - [10h Labo.]	B1	Q1	30	30	[+]	5
INFO0947-1	<i>Complements of computer programming</i> - Benoît DONNET - [45h Proj.] <b>Corequisite :</b> INFO0946-1 - Introduction à la programmation INFO0030-3 - Projet de programmation MATH2019-1 - Mathématiques pour l'informatique 1	B1	Q2	30	22	[+]	5
MATH7370-1	<i>Descriptive statistics</i> - Arnout VAN MESSEM - [8h Mon. WS]	B1	Q2	16	8	[+]	3
INFO2056-1	<i>First programming project</i> - Laurent MATHY - [10h Proj.]	B1	Q1	-	50	[+]	5
MATH2019-1	<i>Mathematics for computing 1</i> - Emilie CHARLIER	B1	Q1	26	26	-	6
INFO2058-1	<i>Mathematical and physical programming laboratory 1</i> - Part A - Bernard BOIGELOT, Emilie CHARLIER, Matthieu VERSTRAETE - Suppl : Jérémy BRISBOIS - Part B - Bernard BOIGELOT, Matthieu VERSTRAETE - Suppl : Jérémy BRISBOIS	B1	Q1	-	20	-	3
INFO2059-1	<i>Mathematical and physical programming laboratory 2</i> - Emilie CHARLIER, Bertrand CORNÉLUSSE, Matthieu VERSTRAETE - Suppl : Jérémy BRISBOIS	B1	Q2	-	40	-	3
INFO0968-1	<i>Place de l'informatique dans la transition et la durabilité</i> - Partim "Durabilité et transition" - Partim "Sobriété numérique et éthique"	B1	Q2	12	-	-	2
GEST0029-1	<i>General Corporate Accounting (Night classes)</i> - Anne BILS	B2	Q2	30	15	-	3
ECON0107-2	<i>Introduction to economic analysis</i> - Microeconomics - HenryJean GATHON - Macroeconomics - HenryJean GATHON	B2	Q1	20	6	-	3
LANG0310-1	<i>Computing English</i> (english language) - Adnan VESSEUR <b>Prerequisite :</b> LANG0085-1 - Basic English for Computing	B2	TA	5	47	-	5
INFO9015-1	<i>Logic for Computer Science</i> (english language) - Pascal FONTAINE <b>Prerequisite :</b> INFO0947-1 - Compléments de programmation MATH2019-1 - Mathématiques pour l'informatique 1	B2	Q1	24	20	-	5
ELEN0040-1	<i>Digital electronics</i> (english language) - JeanMichel REDOUTÉ <b>Prerequisite :</b> INFO0061-4 - Organisation des ordinateurs	B2	Q2	26	26	-	5
INFO0902-1	<i>Data structures and algorithms</i> - Pierre GEURTS - [40h Proj.]	B2	Q2	26	20	[+]	5

	<b>Prerequisite :</b> INFO0947-1 - Compléments de programmation								
INFO0062-1	<i>Object-oriented programming</i> (english language) - Bernard BOIGELOT - [20h Proj.]	B2	Q2	25	20	[+]			<b>5</b>
	<b>Prerequisite :</b> INFO0947-1 - Compléments de programmation								
MATH0499-1	<i>Graph theory</i> - Michel RIGO	B2	Q1	25	20	-			<b>4</b>
	<b>Prerequisite :</b> MATH2019-1 - Mathématiques pour l'informatique 1								
MATH0006-3	<i>Introduction to numerical analysis</i> (english language) - Quentin LOUVEAUX	B2	Q1	20	20	-			<b>5</b>
	<b>Prerequisite :</b> MATH2019-1 - Mathématiques pour l'informatique 1 MATH2007-1 - Mathématiques générales I								
MATH0495-1	<i>Elements for calculating probabilities</i> - Part 1: <i>Analysis tools for probabilities</i> - Laurent LOOSVELDT - Part 2: <i>Probability theory</i> - Laurent LOOSVELDT	B2	Q1	6	6	-			<b>5</b>
	<b>Prerequisite :</b> MATH2019-1 - Mathématiques pour l'informatique 1 MATH2007-1 - Mathématiques générales I			20	20	-			
INFO0009-2	<i>Database (general organisation)</i> - Christophe DEBRUYNE - [25h Proj.]	B2	Q2	26	26	[+]			<b>5</b>
	<b>Prerequisite :</b> INFO0947-1 - Compléments de programmation								
MATH2020-1	<i>Mathematics for computing 2</i> - Emilie CHARLIER	B2	Q1	26	26	-			<b>5</b>
	<b>Prerequisite :</b> MATH2019-1 - Mathématiques pour l'informatique 1								
INFO0064-2	<i>Embedded systems</i> (english language) - Bernard BOIGELOT	B2	Q1	25	20	-			<b>3</b>
	<b>Prerequisite :</b> INFO0947-1 - Compléments de programmation								
INFO2055-1	<i>Embedded systems project</i> (english language) - Bernard BOIGELOT - [60h Proj.]	B2	Q2	-	-	[+]			<b>2</b>
	<b>Corequisite :</b> INFO0064-2 - Embedded systems								
INFO0054-1	<i>Functional programming</i> - Christophe DEBRUYNE - [20h Proj.]	B3	Q1	24	24	[+]			<b>5</b>
	<b>Prerequisite :</b> INFO0062-1 - Object-oriented programming								
DROI0101-1	<i>Computer Law Contracts</i> - Benoît KOHL	B3	Q2	30	-	-			<b>4</b>
LANG0988-1	<i>Advanced English for ICT studies</i> (english language) - Adnan VESSEUR	B3	Q1	5	25	-			<b>3</b>
	<b>Prerequisite :</b> LANG0310-1 - Computing English								
INFO0004-2	<i>Object-oriented programming projects</i> (english language) - Laurent MATHY - [90h Proj.]	B3	Q2	20	-	[+]			<b>5</b>
	<b>Prerequisite :</b> INFO0062-1 - Object-oriented programming								
INFO0012-2	<i>Computation structures</i> (english language) - Pascal FONTAINE, Laurent MATHY - [40h Proj.]	B3	Q1	26	26	[+]			<b>5</b>
	<b>Prerequisite :</b> ELEN0040-1 - Digital electronics INFO0902-1 - Structures des données et algorithmes								
MATH0487-2	<i>Elements of statistics</i> - Pierre SACRÉ - [25h Proj.]	B3	Q1	15	10	[+]			<b>3</b>
	<b>Prerequisite :</b> MATH7370-1 - Statistique descriptive MATH0495-1 - Eléments du calcul des probabilités								
INFO9012-1	<i>Parallel Programming</i> (english language) - Pascal FONTAINE	B3	Q2	25	25	-			<b>5</b>

**Prerequisite :**

INFO0902-1 - Structures des données et algorithmes

INFO0027-2	<i>Programming techniques</i> (english language) - <i>Algorithmics</i> - Laurent MATHY - [40h Proj.] - <i>Software patterns</i> - Laurent MATHY - [30h Proj.]	B3	Q2						<b>5</b>
				14	14	[+]			
				10	10	[+]			

**Corequisite :**

INFO0062-1 - Object-oriented programming

INFO0902-1 - Structures des données et algorithmes

INFO8006-1	<i>Introduction to artificial intelligence</i> (english language) - Gilles LOUPPE - [45h Proj.]	B3	Q1	25	20	[+]			<b>5</b>
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**Prerequisite :**

MATH0495-1 - Eléments du calcul des probabilités

**Optional courses (B3 : 20Cr)**

[...] With the agreement of the President of the jury, students may choose five credits from all the University programmes or the UNIC catalogue .

**Choose one option from the following : (B3 : 15Cr)**

**General computer science option (B3 : 15Cr)**

INFO0010-4	<i>Introduction to computer networking</i> (english language) - [12h Labo., 40h Proj.]	B3	Q1	32	2	[+]			<b>5</b>
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**Prerequisite :**

INFO0062-1 - Object-oriented programming

INFO0940-1	<i>Operating systems</i> (english language) - Laurent MATHY - [30h Proj.]	B3	Q2	30	6	[+]			<b>5</b>
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**Prerequisite :**

INFO0902-1 - Structures des données et algorithmes

**Corequisite :**

INFO0012-2 - Computation structures

ELEN0060-2	<i>Information and coding theory</i> (english language) - Louis WEHENKEL - [30h Proj.]	B3	Q2	30	15	[+]			<b>5</b>
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**Prerequisite :**

MATH0495-1 - Eléments du calcul des probabilités

**Corequisite :**

MATH0487-2 - Eléments de statistiques

**Data science option (B3 : 15Cr)**

DATS0002-1	<i>Data visualization</i> (english language) - Adrien DELIÈGE - [25h Proj.]	B3	Q2	25	20	[+]			<b>5</b>
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MATH1222-3	<i>Introduction to stochastic processes</i> - Céline ESSER, Pierre GEURTS - [10h Mon. WS]	B3	Q2	20	10	[+]			<b>5</b>
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**Prerequisite :**

MATH2007-1 - Mathématiques générales I

MATH2019-1 - Mathématiques pour l'informatique 1

**Corequisite :**

MATH0495-1 - Eléments du calcul des probabilités

MATH0461-2	<i>Introduction to numerical optimization</i> (english language) - Quentin LOUVEAUX - [25h Proj.]	B3	Q1	30	20	[+]			<b>5</b>
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**Learning support activities (B1 : 1Cr)**

**Aimed at students who have acquired less than 30 credits.**

Faculty activity

AREM0013-1	<i>Getting the year off to a good start in the Faculty of School of Engineering</i> - AnneFrance LANOTTE, Patricia TOSSINGS - [4h REM]	B1	Q1	-	-	[+]			-
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Cross-disciplinary activities

IREM0010-1	<i>Bien recommencer son année</i> - AnneFrance LANOTTE, Serena LEINER - [2h REM]	B1	Q1	-	-	[+]			-
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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