Cycle view of the study programme

		Bl	Or	Th	Pr	Au	Cr

Course to be intended in order to obtain de Master's degree in computer science and engineering.

Core curriculum compulsory courses (B1 : 40Cr)

INFO0016-1	*Introduction to the theory of computation* (english language) - Quentin LOUVEAUX	B1	Q1	26	26	-	**5**
ELEN0062-1	*Introduction to machine learning* (english language) - Pierre GEURTS, Louis WEHENKEL - [40h Proj.]	B1	Q1	30	5	[+]	**5**
INFO0940-1	*Operating systems* (english language) - Laurent MATHY - [30h Proj.]	B1	Q2	30	6	[+]	**5**
PROJ0010-1	*Software project engineering and management* (english language) - Benoît DONNET, Bernard HAUZEUR, Laurent MATHY - [280h Proj.]	B1	TA	20	-	[+]	**10**
PROJ0019-1	*End of studies project* (english language) - Laurent MATHY - [300h Proj.]	B1	TA	-	-	[+]	**10**
INFO0012-2	*Computation structures* (english language) - Pascal FONTAINE, Laurent MATHY - [40h Proj.]	B1	Q1	26	26	[+]	**5**

The following three courses are in addition to the above-mentioned programme. These courses may be followed as part of the Bachelor or Masters in Business Engineering programme, or be added to the third year of the Masters programme.

MATH0006-3	*Introduction to numerical analysis* (english language) - Quentin LOUVEAUX	B1	Q1	20	20	-	**5**
MECA0003-2	*Rational Mechanics* - Eric DELHEZ	B1	Q1	20	30	-	**5**
SYST0002-2	*Introduction to signals and systems* - Guillaume DRION, Alessio FRANCI - [15h Proj.]	B1	Q2	26	26	[+]	**5**

Focus compulsory courses (B1 : 10Cr)

INFO0031-1	*Network Engineering* (english language) - Benoît DONNET - [12h Labo., 30h Proj.]	B1	Q2	30	-	[+]	**5**
INFO0045-3	*Introduction to computer security* (english language) - Benoît DONNET - [10h Labo., 30h Proj.]	B1	Q1	30	6	[+]	**5**

Focus optional courses (B1 : 20Cr)

Choose courses totalling 20 credits out of the following : (B1 : 20Cr)

INFO0064-2	*Embedded systems* (english language) - Bernard BOIGELOT	B1	Q1	25	20	-	**3**
INFO2055-1	*Embedded systems project* (english language) - Bernard BOIGELOT - [60h Proj.]	B1	Q2	-	-	[+]	**2**
INFO2051-1	*Object-oriented programming on mobile devices* (english language) - Laurent MATHY - [90h Proj.]	B1	Q1	15	10	[+]	**5**
INFO0056-1	(pas organisé en 2026-2027) *Securing Networks* (english language) - Savvas KASTANAKIS - [12h Labo., 30h Proj.] (Even years)	B1	Q2	30	-	[+]	**5**
INFO0939-1	*High performance scientific computing* (english language) - Christophe GEUZAINE - [20h Proj.]	B1	Q1	30	15	[+]	**5**
INFO8002-1	(pas organisé en 2026-2027) *Topics in Distributed Systems* (english language) - Bernard BOIGELOT, Christophe DEBRUYNE, Pascal FONTAINE, Laurent MATHY - [35h Proj.] (Odd years)	B1	Q2	30	-	[+]	**5**
INFO8012-1	(pas organisé en 2026-2027) *Digital Forensics* (english language) - Benoît DONNET, Laurent MATHY - [12h Labo., 30h Proj.] (Even years)	B1	Q2	30	-	[+]	**5**
INFO8011-1	*Network infrastructures* (english language) - Benoît DONNET, Savvas KASTANAKIS, Laurent MATHY - [8h Labo., 30h Proj.]	B1	Q1	30	-	[+]	**5**
INFO8013-1	*Advanced Computer Security* (english language) - Benoît DONNET, Laurent MATHY - [20h Labo., 30h Proj.] (Odd years)	B1	Q2	20	-	[+]	**5**

INFO9016-1	*Advanced Databases* (english language) - Christophe DEBRUYNE - [20h Proj.]	B1	Q1	24	20	[+]	**5**