

First Year

Compulsory courses

INFO0085-1	<i>Compilers</i> - Pierre GEURTS	30	30	-	6
INFO0031-1	<i>Computer network architectures and multimedia</i> (english language) - Guy LEDUC	30	30	-	6
INFO0051-1	<i>Artificial Intelligence Logics</i> - Pascal GRIBOMONT	30	30	-	6
INFO0063-1	<i>Object-Oriented Software Engineering</i> - Bernard BOIGELOT	30	30	-	6
INFO0016-1	<i>Introduction to the theory of computation</i> (english language) - Pierre WOLPER	30	30	-	6

Optional courses

Students choose 30 credits from the list of option courses below :

INFO0065-1	<i>Seminar on Intrusion Systems</i> - Marc DACIER	10	50	-	6
INFO0049-1	<i>Knowledge Representation</i> - Pascal GRIBOMONT	30	30	-	6
INFO0056-1	<i>Managing and securing computer networks</i> (english language) - Guy LEDUC	30	30	-	6
ELEN0016-1	<i>Digital Image Processing</i> - Marc VAN DROOGENBROECK	30	30	-	6
INFO0026-3	<i>Computer Graphics</i> - Eric BÉCHET	30	30	-	6
INFO0004-1	<i>Object-oriented programming project</i> - Laurent MATHY	10	30	-	3
ELEN0061-2	<i>Introduction to Stochastic Processes</i> - Louis WEHENKEL	15	15	-	3
INFO0939-1	<i>High performance scientific computing</i> (english language) - Christophe GEUZAINÉ	30	30	-	6
ASTG0021-1	<i>Internship</i> - COLLÉGIALITÉ	-	-	-	12

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INFO0051-1	<i>Artificial Intelligence Logics</i> - Pascal GRIBOMONT	30	30	-	6
INFO0063-1	<i>Object-Oriented Software Engineering</i> - Bernard BOIGELOT	30	30	-	6
INFO0016-1	<i>Introduction to the theory of computation</i> (english language) - Pierre WOLPER	30	30	-	6
MATH0006-2	<i>Introduction to numerical analysis</i> - Quentin LOUVEAUX	25	15	-	4
INFO0039-2	<i>Object-Oriented Programming Project, I</i> - Pierre WOLPER	-	90	-	8

Optional courses

[...] Students choose 18 credits from the optional courses list of the first year in the two year Computer Sciences Masters.

Second Year

Compulsory courses

ATFE0002-1	<i>Final Work (including an introduction to methodology and research)</i> - COLLÉGIALITÉ	-	-	-	24
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Optional courses

[...] Choose 6 credits in the University's programme of courses; this choice must have the approval of the cycle's Jury president

Compulsory courses

MATH0462-1	<i>Discrete optimization</i> - Quentin LOUVEAUX	30	30	-	6
INFO0064-1	<i>Embedded Systems</i> - Bernard BOIGELOT	30	30	-	6
ELEN0062-1	<i>Applied Inductive Learning</i> - Pierre GEURTS, Louis WEHENKEL	30	30	-	6

Optional courses

Choose courses totalling 12 ECTS from the following :

ELEN0070-1	<i>Signal Processing</i> - Jacques VERLY	30	30	-	6
GBIO0009-1	<i>Bioinformatics</i> (english language) - Kristel VAN STEEN	30	30	-	6
INFO0050-1	<i>Constrained programming</i> - Pascal GRIBOMONT	30	30	-	6
INFO0060-1	<i>Concurrent System Verification and Temporal Logic</i> - Bernard BOIGELOT, Pascal GRIBOMONT, Pierre WOLPER	30	30	-	6

INFO0939-1	<i>High performance scientific computing (english language)</i> - Christophe GEUZAINÉ	30	30	-	6
MATH0017-4	<i>Mathematical Logic and Set Theory</i> - Georges HANSOUL	30	30	-	6
MATH0024-1	<i>Further Study of Digital Analysis (Equations with Partial Derivatives)</i> - Jean-André ESSERS	30	30	-	6
MATH0234-3	<i>Boolean Topology and Boolean Algebra</i> - Georges HANSOUL	30	30	-	6
MATH0245-3	<i>Discrete structures (Compléments)</i> - Michel RIGO	30	30	-	6
MATH0461-1	<i>Introduction to numerical optimization (english language)</i> - Quentin LOUVEAUX	30	30	-	6
INFO0027-2	<i>Programming techniques</i> - Laurent MATHY	30	30	-	6
ELEN0019-1	<i>Treatment of the audio signals : principles and experiments</i> - Jean-Jacques EMBRECHTS	30	30	-	6
ELEN0002-1	<i>Introduction to Audio and Video Techniques</i> - Jean-Jacques EMBRECHTS	30	30	-	6
INFO2046-1	<i>Computational Geometry</i> - Eric BÉCHET	30	30	-	6

Compulsory courses

ATFE0002-1	<i>Final Work (including an introduction to methodology and research)</i> - COLLÉGIALITÉ	-	-	-	24
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Optional courses

Choose one course among the following (6 credits) :

List of optional courses not taken in the first year of the master's degree.					6
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