

## A single year

### Compulsory Courses

*Notice* : the master in computer science in one year is given in English.

INFO0085-1	<i>Compilers</i> - Pierre GEURTS - [75h Proj.]	Q2	25	-	[+]	<b>5</b>
INFO0031-1	<i>Computer network architectures and multimedia</i> (english language) - Guy LEDUC - [6h Labo., 25h Proj.]	Q1	35	-	[+]	<b>5</b>
INFO0051-1	<i>Logic</i> (english language) - Pascal GRIBOMONT - [10h Proj.]	Q1	30	25	[+]	<b>5</b>
INFO0016-1	<i>Introduction to the theory of computation</i> (english language) - Pierre WOLPER	Q1	30	30	-	<b>5</b>
INFO0045-3	<i>Introduction to computer security</i> (english language) - Benoît DONNET - [8h Labo., 30h Proj.]	Q2	30	10	[+]	<b>5</b>
ATFE0003-1	<i>Master thesis</i> (english language) - COLLÉGIALITÉ - [750h Proj.]	TA	-	-	[+]	<b>25</b>

### Optional courses

With the agreement of the Jury, students choose 10 credits (with the exception of the internship) in :

[...] the programme of the Two-year Master in science in Computer science.

### Compulsory Courses

DROI0101-1	<i>Computer Law Contracts</i> - Benoît KOHL	Q1	30	-	-	<b>3</b>
INFO0012-2	<i>Computation structures</i> (english language) - Pierre WOLPER - [40h Proj.]	Q1	30	25	[+]	<b>6</b>
ELEN0040-1	<i>Digital Electronics</i> - Michael KRAFT - Suppl : Patricia ROUSSEAUX	Q2	30	30	-	<b>6</b>
INFO0027-2	<i>Programming techniques</i> (english language) - Laurent MATHY - [70h Proj.]	Q2	30	24	[+]	<b>6</b>
INFO0010-4	<i>Introduction to computer networking</i> (english language) - Guy LEDUC - [40h Proj.]	Q2	35	15	[+]	<b>6</b>
INFO0063-1	<i>Object-oriented software engineering</i> (english language) - Bernard BOIGELOT - [30h Proj.]	Q1	30	24	[+]	<b>6</b>
ATFE0003-2	<i>Master thesis</i> (english language) - COLLÉGIALITÉ - [630h Proj.]	TA	-	-	[+]	<b>21</b>

Students who have already followed one or several compulsory course(s) have to replace it (them) by one of several course(s) from the following to reach 60 ECTS :

### Optional courses

MATH0462-1	<i>Discrete optimization</i> (english language) - Quentin LOUVEAUX - [25h Proj.]	Q1	30	20	[+]	<b>6</b>
SYST0002-2	<i>Modelling and analysis of systems</i> - Rodolphe SEPULCHRE - Suppl : Erik QUAEGHEBEUR - [15h Proj.]	Q1	30	30	[+]	<b>6</b>
INFO0085-1	<i>Compilers</i> - Pierre GEURTS - [75h Proj.]	Q2	25	-	[+]	<b>6</b>
INFO0049-1	<i>Knowledge representation</i> (english language) - Pascal GRIBOMONT - [50h Proj.]	Q2	30	25	[+]	<b>6</b>
INFO0940-1	<i>Operating systems</i> (english language) - Laurent MATHY - [80h Proj.]	Q2	30	6	[+]	<b>6</b>

With the agreement of the jury, students can also choose up to 12 credits in the programme of the Two-year Master in science in Computer Science.