

## First Year

### Compulsory Courses

*Notice* : the first year of the master in computer science is taught in English.

INFO0085-2	<i>Compilers</i> - Pierre GEURTS	20	40	-	<b>6</b>
INFO0031-1	<i>Computer network architectures and multimedia</i> (english language) - Guy LEDUC	30	30	-	<b>6</b>
INFO0051-1	<i>Logic</i> (english language) - Pascal GRIBOMONT	30	30	-	<b>6</b>
INFO0063-1	<i>Object-oriented software engineering</i> (english language) - Bernard BOIGELOT	30	30	-	<b>6</b>
INFO0016-1	<i>Introduction to the theory of computation</i> (english language) - Pierre WOLPER	30	30	-	<b>6</b>
INFO0045-2	<i>Introduction to computer security</i> (english language) - Benoît DONNET	30	30	-	<b>6</b>

### Optional courses

Students will choose 24 credits from the list of optional courses below :

INFO0049-1	<i>Knowledge representation</i> (english language) - Pascal GRIBOMONT	30	30	-	<b>6</b>
INFO0056-1	<i>Managing and securing computer networks</i> (english language) - Guy LEDUC	30	30	-	<b>6</b>
ELEN0016-1	<i>Digital image and video processing</i> (english language) - Marc VAN DROOGENBROECK	30	30	-	<b>6</b>
INFO0026-3	<i>Computer Graphics</i> - Eric BÉCHET	30	30	-	<b>6</b>
INFO0939-1	<i>High performance scientific computing</i> (english language) - Christophe GEUZAINÉ	30	30	-	<b>6</b>
INFO0941-1	<i>Network measurement and monitoring</i> (english language) - Benoît DONNET	10	50	-	<b>6</b>
ASTG0021-1	<i>Internship</i> (english language) - COLLÉGIALITÉ	-	-	-	<b>12</b>

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INFO0063-1	<i>Object-oriented software engineering</i> (english language) - Bernard BOIGELOT	30	30	-	<b>6</b>
INFO0016-1	<i>Introduction to the theory of computation</i> (english language) - Pierre WOLPER	30	30	-	<b>6</b>
MATH0006-3	<i>Introduction to numerical analysis</i> (english language) - Quentin LOUVEAUX - Suppl : Christophe GEUZAINÉ	20	20	-	<b>4</b>
INFO0039-2	<i>Object-Oriented Programming Project, I</i> - Pierre WOLPER	-	90	-	<b>8</b>
INFO0045-2	<i>Introduction to computer security</i> (english language) - Benoît DONNET	30	30	-	<b>6</b>

### Optional courses

[...] Students choose 12 credits from the list of optional courses from the first year of this master degree.

## Second Year

### Compulsory courses

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

GEST3001-1	<i>People management and organisation</i> - Jocelyne ROBERT	24	24	-	<b>4</b>
GEST3002-1	<i>Human Resources</i> - Jocelyne ROBERT	24	-	-	<b>2</b>
GEST3003-1	<i>Competitive strategy in the marketplace</i> (english language) - Michael GHILISSEN	16	16	-	<b>3</b>
GEST3004-1	<i>Marketing (operations and management)</i> (english language) - Michael GHILISSEN	16	16	-	<b>3</b>
GEST3005-2	<i>Accountancy and Finance</i> - Jacques BERWART	24	24	-	<b>4</b>
GEST3006-1	<i>Operations and supply chain management I</i> (english language) - Yasemin ARDA	16	16	-	<b>3</b>
GSTG3001-1	<i>Business plan</i> - COLLÉGIALITÉ	-	30	-	<b>4</b>

GSTG3002-1 *Functional analysis of a company* - COLLÉGIALITÉ - [30h Internship] - - [+] **4**

**Optional courses**

Choose one of the following courses :

GEST3010-1	<i>Operations and supply chain management II</i> - Sabine LIMBOURG	16	16	-	<b>3</b>
GEST3011-2	<i>ICT for Business</i> - Alain DUBOIS	16	16	-	<b>3</b>
GEST3012-1	<i>Financial and actuarial modelling</i> - Louis ESCH	16	16	-	<b>3</b>

**Compulsory courses**

ATFE0002-1 *Final Work (including an introduction to methodology and research)* - COLLÉGIALITÉ - - - **24**

**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**