

First Year

Compulsory courses

| | | | | | |
|------------|---|----|----|---|---|
| SYST0003-1 | <i>Linear control systems</i> (english language) - Eric BULLINGER | 30 | 30 | - | 5 |
| INFO0009-1 | <i>Database (general organisation)</i> - Pierre WOLPER | 30 | 30 | - | 5 |
| INFO0085-2 | <i>Compilers</i> - Pierre GEURTS | 20 | 40 | - | 5 |
| INFO0063-1 | <i>Object-oriented software engineering</i> (english language) - Bernard BOIGELOT | 30 | 30 | - | 5 |
| INFO0016-1 | <i>Introduction to the theory of computation</i> (english language) - Pierre WOLPER | 30 | 30 | - | 5 |
| MATH0462-1 | <i>Discrete optimization</i> (english language) - Quentin LOUVEAUX - Suppl : Bertrand CORNÉLUSSE | 30 | 30 | - | 5 |
| INFO0051-1 | <i>Logic</i> (english language) - Pascal GRIBOMONT | 30 | 30 | - | 5 |
| INFO0045-2 | <i>Introduction to computer security</i> (english language) - Benoît DONNET | 30 | 30 | - | 5 |
| INFO0064-1 | <i>Embedded systems</i> (english language) - Bernard BOIGELOT | 30 | 30 | - | 5 |
| INFO0031-1 | <i>Computer network architectures and multimedia</i> (english language) - Guy LEDUC | 30 | 30 | - | 5 |
| ELEN0060-1 | <i>Information and coding theory</i> (english language) - Louis WEHENKEL | 30 | 30 | - | 5 |
| [...] | Students will choose 5 credits from the list of optional courses from the 2nd year of this Master degree. They can also choose ELEN0008-1 | | | | |

Bachelors who have not chosen computer engineering as major option :

- * must take all the so-called "prerequisite" courses hereafter, if they were not taken during 1st cycle. These courses must be taken during 1st year of the masters and some 1st-year compulsory courses must be rolled over the 2nd year
- * must subsequently reduce the number of courses they choose to take in the 2nd year of the masters. If all the "prerequisite" courses must be taken, it will be impossible for them to choose optional courses ;
- * cannot choose the professional "management" focus.

The adapted programme for these students must first gain be approved by the Jury.

Prerequisite courses

| | | | | | |
|------------|--|----|----|---|---|
| ELEN0040-1 | <i>Digital Electronics</i> - Jacques DESTINÉ | 30 | 30 | - | 5 |
| INFO0010-1 | <i>Introduction to computer networking</i> (english language) - Guy LEDUC | 30 | 30 | - | 5 |
| INFO0012-1 | <i>Computation structures</i> (english language) - Pierre WOLPER | 30 | 30 | - | 5 |
| INFO0054-1 | <i>Functional programming</i> - Pascal GRIBOMONT | 30 | 30 | - | 5 |
| INFO0062-1 | <i>Object-Oriented Programming</i> - Bernard BOIGELOT | 30 | 30 | - | 5 |
| INFO0902-1 | <i>Data structures and algorithms</i> - Pierre GEURTS | 30 | 30 | - | 5 |
| INFO0004-2 | <i>Object-oriented programming projects</i> (english language) - Laurent MATHY | 20 | 40 | - | 3 |
| INFO0940-1 | <i>Operating systems</i> (english language) - Laurent MATHY | 30 | 30 | - | 5 |

Second Year

Compulsory courses

| | | | | | |
|------------|---|---|---|---|----|
| ATFE0015-1 | <i>Final Work (including an introduction to research methodology)</i> - COLLÉGIALITÉ | - | - | - | 25 |
| [...] | A general course to be chosen from the University's programmes of courses ; this choice must be approved by the cycle's President of the Jury | | | | |

Compulsory courses

| | | | | | |
|------------|---|----|----|-----|---|
| GEST3001-1 | <i>People management and organisation</i> - Jocelyne ROBERT | 24 | 24 | - | 4 |
| GEST3002-1 | <i>Human Resources</i> - Jocelyne ROBERT | 24 | - | - | 2 |
| GEST3003-1 | <i>Competitive strategy in the marketplace</i> (english language) - Michael GHILISSEN | 16 | 16 | - | 3 |
| GEST3004-1 | <i>Marketing (operations and management)</i> (english language) - Michael GHILISSEN | 16 | 16 | - | 3 |
| GEST3005-2 | <i>Accountancy and Finance</i> - Jacques BERWART | 24 | 24 | - | 4 |
| GEST3006-1 | <i>Operations and supply chain management I</i> (english language) - Yasemin ARDA | 16 | 16 | - | 3 |
| GSTG3001-1 | <i>Business plan</i> - COLLÉGIALITÉ | - | 30 | - | 4 |
| GSTG3002-1 | <i>Functional analysis of a company</i> - 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 | - | 3 |
| GEST3011-2 | <i>ICT for Business</i> - Alain DUBOIS | 16 | 16 | - | 3 |
| GEST3012-1 | <i>Financial and actuarial modelling</i> - Louis ESCH | 16 | 16 | - | 3 |