

Block view of the study programme

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Block 1

Compulsory courses

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|------------|--|----|----|----|-----|----------|
| LANG0085-1 | <i>Basic English for Computing</i> (english language) - Daphné BUI, Sabrina D'ARCONSO | Q2 | 4 | 36 | - | 4 |
| INFO0030-3 | <i>Programming Projects</i> - Benoît DONNET - [100h Proj.] Corequisite : INFO0947-1 - Compléments de programmation INFO0946-1 - Introduction à la programmation | Q2 | 20 | - | [+] | 7 |
| INFO0061-4 | <i>Computers organization</i> - Bernard BOIGELOT | Q2 | 15 | 15 | - | 3 |
| MATH2007-1 | <i>General mathematics I</i> - Françoise BASTIN | Q1 | 30 | 40 | - | 6 |
| PHYS3027-1 | <i>Elements of physics : mechanics</i> - - Suppl : Jérémy BRISBOIS | Q1 | 15 | 10 | - | 4 |
| PHYS3028-1 | <i>Elements of physics: electromagnetism</i> - - Suppl : Jérémy BRISBOIS - [10h Labo.] Corequisite : PHYS3027-1 - Eléments de physique : mécanique | Q2 | 15 | 20 | [+] | 4 |
| INFO0946-1 | <i>Introduction to computer programming</i> - Benoît DONNET - [10h Labo.] | Q1 | 30 | 30 | [+] | 5 |
| INFO0947-1 | <i>Complements of computer programming</i> - Benoît DONNET - [45h Proj.] Corequisite : MATH2019-1 - Mathématiques pour l'informatique 1 INFO0030-3 - Projet de programmation INFO0946-1 - Introduction à la programmation | Q2 | 30 | 22 | [+] | 5 |
| MATH7370-1 | <i>Descriptive statistics</i> - Arnout VAN MESSEM - [8h Mon. WS] | Q2 | 16 | 8 | [+] | 3 |
| INFO2056-1 | <i>First programming project</i> - Laurent MATHY - [10h Proj.] | Q1 | - | 50 | [+] | 5 |
| MATH2019-1 | <i>Mathematics for computing 1</i> - Emilie CHARLIER | Q1 | 26 | 26 | - | 6 |
| INFO2058-1 | <i>Mathematical and physical programming laboratory 1</i> - Bernard BOIGELOT, Emilie CHARLIER, Matthieu VERSTRAETE - Suppl : Jérémy BRISBOIS | Q1 | - | 40 | - | 4 |
| INFO2059-1 | <i>Mathematical and physical programming laboratory 2</i> - Emilie CHARLIER, Bertrand CORNÉLUSSE, Matthieu VERSTRAETE - Suppl : Jérémy BRISBOIS | Q2 | - | 40 | - | 4 |

Learning support activities

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|------------|--|----|---|---|-----|---|
| AREM0004-1 | <i>Remedial Introduction to computer programming</i> - Benoît DONNET - [5h REM] | Q2 | - | - | [+] | - |
| AREM0012-1 | <i>Help to succeed in "Introduction to computer programming"</i> - Benoît DONNET - [10h REM] | Q1 | - | - | [+] | - |
| AREM0013-1 | <i>Getting the year off to a good start in the Faculty of School of Engineering</i> - AnneFrance LANOTTE, Patricia TOSSINGS - [4h REM] | Q1 | - | - | [+] | - |
| IREM0001-1 | <i>Adjusting working methods after the January session (reduced course loads)</i> - Amélie BASTEYNS, AnneFrance LANOTTE - [3h REM] | Q2 | - | - | [+] | - |
| IREM0002-1 | <i>Getting organised in the specific context of reduced course loads</i> - Amélie AUQUIÈRE, AnneFrance LANOTTE - [2h REM] | Q2 | - | - | [+] | - |
| IREM0003-1 | <i>Preparing for the Spring block and the May-June exams (reduced course loads)</i> - Amélie AUQUIÈRE, AnneFrance LANOTTE - [3h REM] | Q2 | - | - | [+] | - |
| IREM0005-1 | <i>Planning the second session (reduced course loads)</i> - Amélie AUQUIÈRE, AnneFrance LANOTTE - [3h REM] | Q2 | - | - | [+] | - |
| IREM0006-1 | <i>#BloqueBooster: supervised exam revision in the Spring holidays</i> - Stéphanie GENDARME - [5d REM] | Q2 | - | - | [+] | - |
| IREM0007-1 | <i>Zen@etudes: How and why to manage stress? (reduced course loads)</i> - Sandrine WUIDART - [2h REM] | Q2 | - | - | [+] | - |

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| IREM0008-1 | <i>Keeping or increasing motivation in a context of a reduced course loads - Céline MATHY, Sandrine WUIDART - [2h REM]</i> | Q2 | - | - | [+] | - |
| IREM0009-1 | <i>Hebdo MethodO support with additional help in connection to the context of repeating a year - Sylviane HUBERT, AnneFrance LANOTTE - [5h REM]</i> | TA | - | - | [+] | - |
| IREM0011-1 | <i>Progressing effectively in the 1st term - Amélie AUQUIÈRE, AnneFrance LANOTTE - [2h REM]</i> | Q1 | - | - | [+] | - |
| IREM0012-1 | <i>Preparing for the January exams: becoming familiar with the requirements and specificities of university exams - Amélie AUQUIÈRE, AnneFrance LANOTTE - [3h REM]</i> | Q1 | - | - | [+] | - |
| IREM0013-1 | <i>Planning your January session: establishing a work programme - Amélie AUQUIÈRE, AnneFrance LANOTTE - [3h REM]</i> | Q1 | - | - | [+] | - |
| IREM0014-1 | <i>Working effectively in the second term - Amélie BASTEYNS, AnneFrance LANOTTE - [2h REM]</i> | Q2 | - | - | [+] | - |
| IREM0015-1 | <i>Adapting your organisation after the January session (fewer than 30 credits approved) - Amélie BASTEYNS, AnneFrance LANOTTE - [3h REM]</i> | Q2 | - | - | [+] | - |
| IREM0016-1 | <i>Planning your May-June session (fewer than 30 credits approved) - Amélie AUQUIÈRE, AnneFrance LANOTTE - [3h REM]</i> | Q2 | - | - | [+] | - |
| IREM0017-1 | <i>Planning your second session (fewer than 30 credits approved) - Amélie AUQUIÈRE, AnneFrance LANOTTE - [3h REM]</i> | Q2 | - | - | [+] | - |
| IREM0018-1 | <i>Maintaining or rediscovering your motivation if you have to repeat a year (Q1) - Céline MATHY, Sandrine WUIDART - [2h REM]</i> | Q1 | - | - | [+] | - |
| IREM0019-1 | <i>Zen@etudes: The hows and whys of stress management (fewer than 30 credits approved - Q1) - Sandrine WUIDART - [2h REM]</i> | Q1 | - | - | [+] | - |
| IREM0020-1 | <i>Maintaining or rediscovering your motivation if you have to repeat a year (Q2) - Céline MATHY, Sandrine WUIDART - [2h REM]</i> | Q2 | - | - | [+] | - |
| IREM0021-1 | <i>Zen@etudes: How and why to manage stress? (fewer than 30 credits approved - Q2) - Sandrine WUIDART - [2h REM]</i> | Q2 | - | - | [+] | - |
| LREM0005-1 | <i>Taking stock of your French skills (Q2) - Marielle MARÉCHAL - [1,5h REM]</i> | Q2 | - | - | [+] | - |
| LREM0010-1 | <i>Taking stock of your skills in French (Q1) - Samia HAMMAMI, Frédéric SAENEN - [15h REM]</i> | Q1 | - | - | [+] | - |
| SREM0005-3 | <i>Learning support activities in Mathematics, for Computer Science - Françoise BASTIN - [20h REM]</i> | TA | - | - | [+] | - |
| SREM0012-1 | <i>Learning support activities in Mechanics for Computer Science - Matthieu VERSTRAETE - [20h REM]</i> | TA | - | - | [+] | - |
| SREM0016-1 | <i>Remedial mathematics for computer science - Emilie CHARLIER - [20h REM]</i> | TA | - | - | [+] | - |
| SREM0021-4 | <i>Learning support activities in Physics II, for Computer Science - Matthieu VERSTRAETE - [10h REM]</i> | Q2 | - | - | [+] | - |

Block 2

Compulsory courses

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|------------|--|----|----|----|---|----------|
| GEST0029-1 | <i>General Corporate Accounting (Night classes) - Anne BILS</i> | Q2 | 30 | 15 | - | 3 |
| ECON0107-2 | <i>Introduction to economic analysis</i> | Q1 | | | | 3 |
| | - <i>Microeconomics - HenryJean GATHON</i> | | 20 | 6 | - | |
| | - <i>Macroeconomics - HenryJean GATHON</i> | | 20 | 6 | - | |
| LANG0310-1 | <i>Computing English (english language) - Adnan VESSEUR</i> | TA | 5 | 47 | - | 5 |
| | Prerequisite : | | | | | |
| | LANG0085-1 - Basic English for Computing | | | | | |
| ELEN0040-1 | <i>Digital electronics (english language) - JeanMichel REDOUTÉ</i> | Q2 | 26 | 26 | - | 5 |
| | Prerequisite : | | | | | |

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| | INFO0061-4 - Organisation des ordinateurs | | | | | | | |
| INFO0902-1 | <i>Data structures and algorithms</i> - Pierre GEURTS - [40h Proj.] | Q2 | 26 | 20 | [+] | 5 | | |
| | Prerequisite : INFO0947-1 - Compléments de programmation | | | | | | | |
| INFO0062-1 | <i>Object-oriented programming</i> (english language) - Bernard BOIGELOT - [20h Proj.] | Q2 | 25 | 20 | [+] | 5 | | |
| | Prerequisite : INFO0947-1 - Compléments de programmation | | | | | | | |
| MATH0499-1 | <i>Graph theory</i> - Michel RIGO | Q1 | 25 | 20 | - | 4 | | |
| | Prerequisite : MATH2019-1 - Mathématiques pour l'informatique 1 | | | | | | | |
| MATH0500-1 | <i>Introduction to numerical algorithmic</i> - Quentin LOUVEAUX - [6h Labo., 45h Proj.] | Q1 | 24 | 14 | [+] | 5 | | |
| | Prerequisite : MATH2019-1 - Mathématiques pour l'informatique 1 | | | | | | | |
| MATH0495-1 | <i>Elements for calculating probabilities</i> - Laurent LOOSVELDT - [5h Proj.] | Q1 | 26 | 26 | [+] | 5 | | |
| | Prerequisite : MATH2007-1 - Mathématiques générales I MATH2019-1 - Mathématiques pour l'informatique 1 | | | | | | | |
| INFO0009-2 | <i>Database (general organisation)</i> - Christophe DEBRUYNE - [25h Proj.] | Q2 | 26 | 26 | [+] | 5 | | |
| | Prerequisite : INFO0947-1 - Compléments de programmation | | | | | | | |
| MATH2020-1 | <i>Mathematics for computing 2</i> - Emilie CHARLIER | Q1 | 26 | 26 | - | 5 | | |
| | Prerequisite : MATH2019-1 - Mathématiques pour l'informatique 1 | | | | | | | |
| MATH1222-3 | <i>Introduction to stochastic processes</i> - Céline ESSER, Pierre GEURTS - [10h Mon. WS] | Q2 | 20 | 10 | [+] | 5 | | |
| | Prerequisite : MATH2007-1 - Mathématiques générales I MATH2019-1 - Mathématiques pour l'informatique 1 Corequisite : MATH0495-1 - Eléments du calcul des probabilités | | | | | | | |
| INFO9015-1 | <i>Logic for Computer Science</i> (english language) - Pascal FONTAINE | Q1 | 24 | 20 | - | 5 | | |
| | Prerequisite : MATH2019-1 - Mathématiques pour l'informatique 1 INFO0947-1 - Compléments de programmation | | | | | | | |

Block 3

Compulsory courses

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|------------|---|----|----|----|-----|---|--|--|
| INFO0054-1 | <i>Functional programming</i> - Christophe DEBRUYNE - [20h Proj.] | Q1 | 24 | 24 | [+] | 5 | | |
| | Prerequisite : INFO0947-1 - Compléments de programmation | | | | | | | |
| INFO0027-2 | <i>Programming techniques</i> (english language) | Q2 | | | | 5 | | |
| | - <i>Algorithmics</i> - Laurent MATHY - [40h Proj.] | | 14 | 14 | [+] | | | |
| | - <i>Software patterns</i> - Laurent MATHY - [30h Proj.] | | 10 | 10 | [+] | | | |
| | Prerequisite : INFO0902-1 - Structures des données et algorithmes INFO0062-1 - Object-oriented programming | | | | | | | |
| DROI0101-1 | <i>Computer Law Contracts</i> - Benoît KOHL | Q2 | 30 | - | - | 4 | | |
| LANG0988-1 | <i>Advanced English for ICT studies</i> (english language) - Adnan VESSEUR | Q1 | 5 | 25 | - | 3 | | |
| | Prerequisite : LANG0310-1 - Computing English | | | | | | | |
| INFO0004-2 | <i>Object-oriented programming projects</i> (english language) - Laurent MATHY - [90h Proj.] | Q2 | 20 | - | [+] | 5 | | |

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| | Prerequisite : INFO0062-1 - Object-oriented programming | | | | | | | |
| INFO0010-4 | <i>Introduction to computer networking</i> (english language) - Guy LEDUC - [12h Labo., 40h Proj.] | Q1 | 32 | 2 | [+] | | | 5 |
| | Prerequisite : INFO0062-1 - Object-oriented programming | | | | | | | |
| INFO0012-2 | <i>Computation structures</i> (english language) - Pascal FONTAINE, Laurent MATHY - [40h Proj.] | Q1 | 26 | 26 | [+] | | | 5 |
| | Prerequisite : INFO0902-1 - Structures des données et algorithmes ELEN0040-1 - Digital electronics | | | | | | | |
| INFO0940-1 | <i>Operating systems</i> (english language) - Laurent MATHY - [30h Proj.] | Q2 | 30 | 6 | [+] | | | 5 |
| | Prerequisite : INFO0902-1 - Structures des données et algorithmes Corequisite : INFO0012-2 - Computation structures | | | | | | | |
| MATH0487-2 | <i>Elements of statistics</i> - Pierre SACRÉ - [25h Proj.] | Q1 | 15 | 10 | [+] | | | 3 |
| | Prerequisite : MATH0495-1 - Eléments du calcul des probabilités MATH7370-1 - Statistique descriptive | | | | | | | |
| INFO9012-1 | <i>Parallel Programming</i> (english language) - Pascal FONTAINE | Q2 | 25 | 25 | - | | | 5 |
| | Prerequisite : INFO0902-1 - Structures des données et algorithmes | | | | | | | |
| INFO0064-2 | <i>Embedded systems</i> (english language) - Bernard BOIGELOT | Q1 | 25 | 20 | - | | | 3 |
| | Prerequisite : INFO0947-1 - Compléments de programmation | | | | | | | |
| INFO2055-1 | <i>Embedded systems project</i> (english language) - Bernard BOIGELOT - [60h Proj.] | Q2 | - | - | [+] | | | 2 |
| | Corequisite : INFO0064-2 - Embedded systems | | | | | | | |
| INFO8006-1 | <i>Introduction to artificial intelligence</i> (english language) - Gilles LOUPPE - [45h Proj.] | Q1 | 25 | 20 | [+] | | | 5 |
| | Prerequisite : MATH0495-1 - Eléments du calcul des probabilités | | | | | | | |

Option cours

[...] With the agreement of the President of the jury, students may choose five credits from all the University programmes or the UNIC catalogue .