

**Block view of the study programme**

Or Th Pr Au Cr

**Block 1**
**Core curriculum compulsory courses**

|            |   |    |    |   |   |    |
|------------|---|----|----|---|---|----|
| CHIM0724-1 | <i>Organic chemistry</i> (english language) - Thibault GENDRON, JeanChristophe MONBALIU                                       | Q1 | 50 | - | - | 5  |
| CHIM0726-1 | <i>Emerging analytical approaches</i> - Christian DAMBLON, AnneSophie DUWEZ, Gauthier EPPE, JeanFrançois FOCANT, Loïc QUINTON | Q1 | 50 | - | - | 5  |
| CHIM0727-1 | <i>Macromolecular and materials chemistry</i> (english language) - Christine JÉRÔME, Bénédicte VERTRUYEN                      | TA | 50 | - | - | 5  |
| CHIM0728-1 | <i>Design, structure and reactivity of chemical architectures</i> - Lionel DELAUDE, AnneSophie DUWEZ                          | Q1 | 50 | - | - | 5  |
| CHIM0729-1 | <i>Biological chemistry</i> (english language) - Christian DAMBLON, Loïc QUINTON  | Q1 | 50 | - | - | 5  |
| CHIM0746-1 | <i>Nuclear chemistry and introduction to labeling and imaging techniques</i> (english language) - Thibault GENDRON            | Q2 | 50 | - | - | 5  |
| SMEM0044-1 | <i>Dissertation, Part A</i> - COLLÉGIALITÉ  | Q2 | -  | - | - | 15 |

**Common core courses**

With the agreement of the Jury, choose courses totalling 15 credits among:

**Language**

|            |  |    |    |    |   |   |
|------------|--|----|----|----|---|---|
| LANG4007-1 | <i>English - oral expression</i> (english language) - Clara BRERETON, Véronique DOPPAGNE | Q2 | -  | 25 | - | 3 |
| LANG2971-2 | <i>Academic English Writing</i> (english language) - Clara BRERETON, Véronique DOPPAGNE  | Q1 | 25 | -  | - | 3 |

**Industrial chemistry**

|            |  |    |    |    |     |   |
|------------|--|----|----|----|-----|---|
| CHIM0074-2 | <i>Seminars on industrial security</i> - Angélique LÉONARD, Dominique TOYE - [2d FW]   | Q1 | 15 | -  | [+] | 3 |
| CHIM0022-3 | <i>Transport phenomena, Part A</i> (english language) - Andreas PFENNIG  | Q2 | 30 | -  | -   | 3 |
| CHIM0683-2 | <i>Green chemistry</i> - Aurore RICHEL   | Q2 | 5  | 20 | -   | 3 |
| CHIM0699-2 | <i>Life cycle assessment - Ecodesign</i> (english language) - Angélique LÉONARD  | Q1 | 10 | 30 | -   | 3 |
| CHIM9322-2 | <i>Industrial chemistry processes, Part 1 - the structure of the chemical industry</i> - MarieNoëlle DUMONT, Angélique LÉONARD, Dominique TOYE | Q2 | 28 | -  | -   | 3 |

**Synthesis and materials**

|            |   |    |    |    |     |   |
|------------|---|----|----|----|-----|---|
| CHIM0745-1 | <i>Physico-chemistry in non-aqueous solvents</i> (english language) - Cédric MALHERBE                             | Q2 | 25 | -  | -   | 3 |
| CHIM0707-1 | <i>Physical organic chemistry</i> - JeanChristophe MONBALIU   | Q2 | 25 | -  | -   | 3 |
| CHIM9265-1 | <i>Introduction to continuous flow organic synthesis</i> (english language) - JeanChristophe MONBALIU - [1d Vis.] | Q1 | 15 | 10 | [+] | 3 |
| CHIM0731-1 | <i>Chemistry and physical-chemistry of peptide and protein assemblies</i> - JeanChristophe MONBALIU, Loïc QUINTON | Q1 | 25 | -  | -   | 3 |
| CHIM0656-1 | <i>Organometallic catalysis</i> - Lionel DELAUDE  | Q1 | 25 | -  | -   | 3 |
| CHIM0219-1 | <i>Industrial polymers</i> - Christine JÉRÔME   | Q2 | 25 | -  | -   | 3 |
| CHIM9234-2 | <i>Polymers and environment</i> (english language)  | Q1 |    |    |     | 3 |
|            | - Part A - Philippe LECOMTE   |    | 15 | -  | -   |   |
|            | - Part B - Philippe LECOMTE   |    | 10 | -  | -   |   |

|  |  |    |          |        |        |   |
|--|--|----|----------|--------|--------|---|
| CHIM9230-1   | <i>Nanomaterials: synthesis, properties and applications</i> (english language) - AnneSophie DUWEZ, Christine JÉRÔME, Damien SLUYSMANS                             | Q1 | 25       | -      | -      | 3 |
| CHIM0742-1   | <i>Chemistry of materials and sustainable development</i> - Catherine HENRIST - [0,5d Vis., 10h Mon. WS]   | Q1 | 15       | -      | [+]    | 3 |
| PHYS0999-1   | <i>Digital creation in sciences</i> - Roland BILLEN, Valentin FISCHER, Pierre MATHONET, JeanChristophe MONBALIU, Eric PARMENTIER, Nicolas VANDEWALLE - [30h Proj.] | TA | 10       | -      | [+]    | 6 |
| <b>Techniques of characterization and analysis</b> |  |    |          |        |        |   |
| BIOL0114-4   | <i>Electronic microscopies, Part A</i> - Philippe COMPÈRE  | Q2 | 15       | -      | -      | 3 |
| CHIM9236-2   | <i>Microstructure of materials : characterization techniques</i> (Odd years)<br>- Part A - Catherine HENRIST<br>- Part B - Catherine HENRIST                       | Q2 | 15<br>10 | -<br>- | -<br>- | 3 |
| CHIM9264-1   | <i>Electrical and magnetic properties of materials</i> - Bénédicte VERTRUYEN   | Q1 | 15       | 10     | -      | 3 |
| CHIM0732-1   | <i>Characterisation of surfaces and interfaces</i> - AnneSophie DUWEZ, Damien SLUYSMANS  | Q1 | 25       | -      | -      | 3 |
| CHIM0752-1   | <i>Single-molecule approaches in biology and chemistry</i> (english language) - Damien SLUYSMANS   | Q1 | 25       | -      | -      | 3 |
| CHIM0220-1   | <i>Recent nuclear magnetic resonance (NMR) methods in chemistry</i> - Christian DAMBLON  | Q1 | 25       | -      | -      | 3 |
| CHIM9257-2   | <i>Introduction to solid state NMR</i> (english language)<br>- Part A - Christian DAMBLON, Philippe LECOMTE<br>- Part B - Christian DAMBLON, Philippe LECOMTE      | Q1 | 15<br>10 | -<br>- | -<br>- | 3 |
| CHIM9221-1   | <i>Advanced techniques in nuclear magnetic resonance of biomolecules</i> - Christian DAMBLON   | Q1 | 25       | -      | -      | 3 |
| CHIM0657-1   | <i>Emerging techniques in the science of separation</i> - JeanFrançois FOCANT, PierreHugues STEFANUTO  | Q2 | 10       | 15     | -      | 3 |
| CHIM9259-2   | <i>Analytical techniques in forensic chemistry</i> - JeanFrançois FOCANT, PierreHugues STEFANUTO   | Q2 | 15       | 10     | -      | 3 |
| CRIS0204-1   | <i>Complement of crystallography</i> - Frédéric HATERT   | Q2 | 15       | 10     | -      | 3 |
| CHIM9310-1   | <i>Advanced spectroscopic analysis methods</i> - Gauthier EPPE, Cédric MALHERBE  | Q2 | 20       | 5      | -      | 3 |
| CHIM0743-1   | <i>Introduction to data handling with MetaboAnalyst</i> (english language) - PierreHugues STEFANUTO  | Q1 | 15       | 10     | -      | 3 |
| CHIM0744-1   | <i>Introduction to quality assurance</i> - JeanFrançois FOCANT (Odd years)   | Q2 | 15       | -      | -      | 3 |
| <b>Biological chemistry</b>                        |  |    |          |        |        |   |
| BIOC0232-1   | <i>Macromolecular biochemistry</i> (english language) - Moreno GALLENi   | Q1 | 25       | -      | -      | 3 |
| CHIM9221-1   | <i>Advanced techniques in nuclear magnetic resonance of biomolecules</i> - Christian DAMBLON   | Q1 | 25       | -      | -      | 3 |
| CHIM9262-1   | <i>Biomimetic chemistry : when the Man is inspired by nature</i> - Loïc QUINTON  | Q2 | 25       | -      | -      | 3 |
| CHIM0731-1   | <i>Chemistry and physical-chemistry of peptide and protein assemblies</i> - JeanChristophe MONBALIU, Loïc QUINTON  | Q1 | 25       | -      | -      | 3 |
| BIOC0719-1   | <i>Enzymology</i> - André MATAGNE - [10h SEM]  | Q2 | 15       | -      | [+]    | 3 |
| CHIM0218-1   | <i>Elements of medicinal chemistry</i> - Pierre FRANCOFFE - [5h SEM]   | Q2 | 20       | -      | [+]    | 3 |
| CHIM0683-2   | <i>Green chemistry</i> - Aurore RICHEL   | Q2 | 5        | 20     | -      | 3 |
| <b>Modelling and molecular dynamics</b>            |  |    |          |        |        |   |
| CHIM0707-1   | <i>Physical organic chemistry</i> - JeanChristophe MONBALIU  | Q2 | 25       | -      | -      | 3 |

|                          |  |    |    |    |   |   |
|--------------------------|--|----|----|----|---|---|
| CHIM0725-2               | <i>Modelling molecules and extended systems</i> (english language) -<br>Françoise REMACLE  | Q1 | 15 | -  | - | 3 |
| CHIM0734-1               | <i>Photochemistry</i> - Bernard LEYH (Odd years)   | Q1 | 15 | 10 | - | 3 |
| CHIM9233-1               | <i>Molecular logic and quantum computing</i> (english language) -<br>Françoise REMACLE     | Q2 | 15 | -  | - | 3 |
| SPAT0054-1               | <i>Astrophysics and astrochemistry</i> - Michaël DE BECKER                                 | Q2 | 20 | -  | - | 3 |
| <b>Sciences teaching</b> |  |    |    |    |   |   |
| CHIM0735-1               | <i>Sciences and chemistry history</i> - Bernard LEYH                                       | Q1 | 15 | 10 | - | 3 |
| CHIM0736-1               | <i>Conceptual approach to basic chemistry</i> - Bernard LEYH (Odd years)                   | Q2 | 15 | 10 | - | 3 |
| PHIL0040-1               | <i>Introduction to the philosophy of sciences</i> - Laurence BOUQUIAUX                     | Q1 | 30 | -  | - | 3 |
| DOCU0455-1               | <i>Introduction to critical thinking</i><br>- Theory - Yaël NAZÉ<br>- Practice - Yaël NAZÉ | Q2 | 10 | -  | - | 3 |
|                          |  |    | -  | 6  | - |   |

## Block 2

### Focus compulsory courses

Students must do a 5-month research internship in Belgium or abroad.

|            |  |    |   |   |     |    |
|------------|--|----|---|---|-----|----|
| SSTG0056-1 | <i>Research placement</i> (english language) - COLLÉGIALITÉ - [5mois Internship] | Q2 | - | - | [+] | 28 |
| CHIM0753-1 | <i>Preparation to enter professional life</i> - COLLÉGIALITÉ - [15h AUTR]        | Q2 | - | - | [+] | 2  |

### Core curriculum compulsory course

|            |  |    |   |   |   |    |
|------------|--|----|---|---|---|----|
| SMEM0044-2 | <i>Dissertation, Part B</i> - COLLÉGIALITÉ | Q1 | - | - | - | 15 |
|------------|--|----|---|---|---|----|

### Common core courses

With the agreement of the Jury, choose courses totalling 15 credits among:

#### Language

|            |   |    |    |    |   |   |
|------------|---|----|----|----|---|---|
| LANG4007-1 | <i>English - oral expression</i> (english language) - Clara BRERETON,<br>Véronique DOPPAGNE | Q2 | -  | 25 | - | 3 |
| LANG2971-2 | <i>Academic English Writing</i> (english language) - Clara BRERETON,<br>Véronique DOPPAGNE  | Q1 | 25 | -  | - | 3 |

#### Industrial chemistry

|            |  |    |    |    |     |   |
|------------|--|----|----|----|-----|---|
| CHIM0074-2 | <i>Seminars on industrial security</i> - Angélique LÉONARD, Dominique TOYE -<br>[2d FW]  | Q1 | 15 | -  | [+] | 3 |
| CHIM0022-3 | <i>Transport phenomena, Part A</i> (english language) - Andreas PFENNIG  | Q2 | 30 | -  | -   | 3 |
| CHIM0683-2 | <i>Green chemistry</i> - Aurore RICHEL   | Q2 | 5  | 20 | -   | 3 |
| CHIM0699-2 | <i>Life cycle assessment - Ecodesign</i> (english language) -<br>Angélique LÉONARD   | Q1 | 10 | 30 | -   | 3 |
| CHIM9322-2 | <i>Industrial chemistry processes, Part 1 - the structure of the chemical<br/>industry</i> - MarieNoëlle DUMONT, Angélique LÉONARD, Dominique TOYE | Q2 | 28 | -  | -   | 3 |

#### Synthesis and materials

|            |  |    |    |    |     |   |
|------------|--|----|----|----|-----|---|
| CHIM0745-1 | <i>Physico-chemistry in non-aqueous solvents</i> (english language) -<br>Cédric MALHERBE                             | Q2 | 25 | -  | -   | 3 |
| CHIM0707-1 | <i>Physical organic chemistry</i> - JeanChristophe MONBALIU  | Q2 | 25 | -  | -   | 3 |
| CHIM9265-1 | <i>Introduction to continuous flow organic synthesis</i> (english language) -<br>JeanChristophe MONBALIU - [1d Vis.] | Q1 | 15 | 10 | [+] | 3 |
| CHIM0731-1 | <i>Chemistry and physical-chemistry of peptide and protein assemblies</i> -  | Q1 | 25 | -  | -   | 3 |

JeanChristophe MONBALIU, Loïc QUINTON

|            |  |    |          |        |        |   |
|------------|--|----|----------|--------|--------|---|
| CHIM0656-1 | <i>Organometallic catalysis</i> - Lionel DELAUBE   | Q1 | 25       | -      | -      | 3 |
| CHIM0219-1 | <i>Industrial polymers</i> - Christine JÉRÔME  | Q2 | 25       | -      | -      | 3 |
| CHIM9234-2 | <i>Polymers and environment</i> (english language)<br>- Part A - Philippe LECOMTE<br>- Part B - Philippe LECOMTE   | Q1 | 15<br>10 | -<br>- | -<br>- | 3 |
| CHIM9230-1 | <i>Nanomaterials: synthesis, properties and applications</i> (english language) -<br>AnneSophie DUWEZ, Christine JÉRÔME, Damien SLUYSMANS                                | Q1 | 25       | -      | -      | 3 |
| CHIM0742-1 | <i>Chemistry of materials and sustainable development</i> - Catherine HENRIST<br>- [0,5d Vis., 10h Mon. WS]  | Q1 | 15       | -      | [+]    | 3 |
| PHYS0999-1 | <i>Digital creation in sciences</i> - Roland BILLEN, Valentin FISCHER,<br>Pierre MATHONET, JeanChristophe MONBALIU, Eric PARMENTIER,<br>Nicolas VANDEWALLE - [30h Proj.] | TA | 10       | -      | [+]    | 6 |

**Techniques of characterization and analysis**

|            |   |    |          |        |        |   |
|------------|---|----|----------|--------|--------|---|
| BIOL0114-4 | <i>Electronic microscopies, Part A</i> - Philippe COMPÈRE   | Q2 | 15       | -      | -      | 3 |
| CHIM9236-2 | <i>Microstructure of materials : characterization techniques</i> (Odd years)<br>- Part A - Catherine HENRIST<br>- Part B - Catherine HENRIST                  | Q2 | 15<br>10 | -<br>- | -<br>- | 3 |
| CHIM9264-1 | <i>Electrical and magnetic properties of materials</i> - Bénédicte VERTRUYEN  | Q1 | 15       | 10     | -      | 3 |
| CHIM0732-1 | <i>Characterisation of surfaces and interfaces</i> - AnneSophie DUWEZ,<br>Damien SLUYSMANS  | Q1 | 25       | -      | -      | 3 |
| CHIM0752-1 | <i>Single-molecule approaches in biology and chemistry</i> (english language) -<br>Damien SLUYSMANS   | Q1 | 25       | -      | -      | 3 |
| CHIM0220-1 | <i>Recent nuclear magnetic resonance (NMR) methods in chemistry</i> -<br>Christian DAMBLON  | Q1 | 25       | -      | -      | 3 |
| CHIM9257-2 | <i>Introduction to solid state NMR</i> (english language)<br>- Part A - Christian DAMBLON, Philippe LECOMTE<br>- Part B - Christian DAMBLON, Philippe LECOMTE | Q1 | 15<br>10 | -<br>- | -<br>- | 3 |
| CHIM9221-1 | <i>Advanced techniques in nuclear magnetic resonance of biomolecules</i> -<br>Christian DAMBLON   | Q1 | 25       | -      | -      | 3 |
| CHIM0657-1 | <i>Emerging techniques in the science of separation</i> - JeanFrançois FOCANT,<br>PierreHugues STEFANUTO  | Q2 | 10       | 15     | -      | 3 |
| CHIM9259-2 | <i>Analytical techniques in forensic chemistry</i> - JeanFrançois FOCANT,<br>PierreHugues STEFANUTO   | Q2 | 15       | 10     | -      | 3 |
| CRIS0204-1 | <i>Complement of crystallography</i> - Frédéric HATERT  | Q2 | 15       | 10     | -      | 3 |
| CHIM9310-1 | <i>Advanced spectroscopic analysis methods</i> - Gauthier EPPE,<br>Cédric MALHERBE  | Q2 | 20       | 5      | -      | 3 |
| CHIM0743-1 | <i>Introduction to data handling with MetaboAnalyst</i> (english language) -<br>PierreHugues STEFANUTO  | Q1 | 15       | 10     | -      | 3 |
| CHIM0744-1 | <i>Introduction to quality assurance</i> - JeanFrançois FOCANT (Odd years)  | Q2 | 15       | -      | -      | 3 |

**Biological chemistry**

|            |  |    |    |   |   |   |
|------------|--|----|----|---|---|---|
| BIOC0232-1 | <i>Macromolecular biochemistry</i> (english language) - Moreno GALLENi   | Q1 | 25 | - | - | 3 |
| CHIM9221-1 | <i>Advanced techniques in nuclear magnetic resonance of biomolecules</i> -<br>Christian DAMBLON                      | Q1 | 25 | - | - | 3 |
| CHIM9262-1 | <i>Biomimetic chemistry : when the Man is inspired by nature</i> -<br>Loïc QUINTON                                   | Q2 | 25 | - | - | 3 |
| CHIM0731-1 | <i>Chemistry and physical-chemistry of peptide and protein assemblies</i> -<br>JeanChristophe MONBALIU, Loïc QUINTON | Q1 | 25 | - | - | 3 |

|   |  |    |    |    |     |   |
|---|--|----|----|----|-----|---|
| BIOC0719-1                              | <i>Enzymology</i> - André MATAGNE - [10h SEM]  | Q2 | 15 | -  | [+] | 3 |
| CHIM0218-1                              | <i>Elements of medicinal chemistry</i> - Pierre FRANCOTTE - [5h SEM]                       | Q2 | 20 | -  | [+] | 3 |
| CHIM0683-2                              | <i>Green chemistry</i> - Aurore RICHEL   | Q2 | 5  | 20 | -   | 3 |
| <b>Modelling and molecular dynamics</b> |  |    |    |    |     |   |
| CHIM0707-1                              | <i>Physical organic chemistry</i> - JeanChristophe MONBALIU                                | Q2 | 25 | -  | -   | 3 |
| CHIM0725-2                              | <i>Modelling molecules and extended systems</i> (english language) -<br>Françoise REMACLE  | Q1 | 15 | -  | -   | 3 |
| CHIM0734-1                              | <i>Photochemistry</i> - Bernard LEYH (Odd years)   | Q1 | 15 | 10 | -   | 3 |
| CHIM9233-1                              | <i>Molecular logic and quantum computing</i> (english language) -<br>Françoise REMACLE     | Q2 | 15 | -  | -   | 3 |
| SPAT0054-1                              | <i>Astrophysics and astrochemistry</i> - Michaël DE BECKER                                 | Q2 | 20 | -  | -   | 3 |
| <b>Sciences teaching</b>                |  |    |    |    |     |   |
| CHIM0735-1                              | <i>Sciences and chemistry history</i> - Bernard LEYH                                       | Q1 | 15 | 10 | -   | 3 |
| CHIM0736-1                              | <i>Conceptual approach to basic chemistry</i> - Bernard LEYH (Odd years)                   | Q2 | 15 | 10 | -   | 3 |
| PHIL0040-1                              | <i>Introduction to the philosophy of sciences</i> - Laurence BOUQUIAUX                     | Q1 | 30 | -  | -   | 3 |
| DOCU0455-1                              | <i>Introduction to critical thinking</i><br>- Theory - Yaël NAZÉ<br>- Practice - Yaël NAZÉ | Q2 |    |    |     | 3 |
|   |  |    | 10 | -  | -   |   |
|   |  |    | -  | 6  | -   |   |

[...] Or for a maximum of 9 credits in the course programmes of other sectors in the Faculty of Science, other faculties or other universities. Any request for exemption from the rule of 9 credits maximum will be examined by the jury.

### Bloc d'aménagement du programme de l'année

## Bridging courses Master in chemistry (120 credits)

### Optional courses

Students will follow a study programme worth 15 to 60 ECTS selected from the courses below. The programme will be established by the master's jury for each student according to their qualifications.

|            |   |    |    |    |     |   |
|------------|---|----|----|----|-----|---|
| CHIM0704-1 | <i>Theoretical chemistry</i> - Françoise REMACLE - [18h Mon. WS]  | Q1 | 30 | -  | [+] | 5 |
| CHIM9287-1 | <i>Theoretical and quantum chemistry</i> - Françoise REMACLE - [15h Mon. WS]  | Q1 | 30 | 20 | [+] | 4 |
| CHIM9288-1 | <i>Spectroscopy and statistical thermodynamics elements</i> - Bernard LEYH<br>- [20h Mon. WS]   | Q1 | 30 | -  | [+] | 4 |
| CHIM0278-1 | <i>Organic chemistry III</i> - Lionel DELAUDE - [15h Mon. WS]   | Q1 | 30 | 55 | [+] | 7 |
| CHIM9289-1 | <i>Analytical chemistry III - Physical methods</i><br>- Physico-chemical analysis methods - Gauthier EPPE<br>- Electrochemical analysis methods - Gauthier EPPE<br>- Practical work and tutorials - Gauthier EPPE - [15h Mon. WS] | Q1 |    |    |     | 8 |
|            |   |    | 15 | -  | -   |   |
|            |   |    | 15 | -  | -   |   |
|            |   |    | -  | 65 | [+] |   |
| CHIM0678-1 | <i>Biochemistry</i> - André MATAGNE   | Q1 | 30 | -  | -   | 3 |
| PHYS0968-1 | <i>Signal processing</i> - Alejandro SILHANEK   | Q2 | 25 | 20 | -   | 4 |
| CHIM9285-1 | <i>Chemical Kinetics, Introduction to Spectroscopy and Group Theory</i> -<br>Bernard LEYH - [20h Mon. WS]   | Q2 | 35 | -  | [+] | 6 |
| CHIM9291-1 | <i>Structural analysis</i> - Christian DAMBLON, Loïc QUINTON - [25h Mon. WS]  | Q2 | 20 | -  | [+] | 4 |
| CHIM0209-2 | <i>Inorganic chemistry</i> - Bénédicte VERTRUYEN - [8h Mon. WS]   | Q2 | 30 | 70 | [+] | 8 |

|            |   |    |    |     |     |          |
|------------|---|----|----|-----|-----|----------|
| CHIM0283-4 | <i>Chemistry of the macromolecules</i> - Christine JÉRÔME   | Q2 | 20 | 20  | -   | <b>4</b> |
| PHIL0201-1 | <i>Elements of sciences philosophy</i> - Pieter THYSSEN   | Q2 | 15 | -   | -   | <b>2</b> |
| CHIM9292-1 | <i>Chemical kinetics</i> - Bernard LEYH - [10h Mon. WS]   | Q2 | 20 | -   | [+] | <b>3</b> |
| CHIM9293-1 | <i>Spectroscopy integrated laboratory</i> - Christian DAMBLON, Gauthier EPPE, Bernard LEYH, JeanChristophe MONBALIU, Loïc QUINTON | Q2 | -  | 100 | -   | <b>6</b> |
| CHIM9294-1 | <i>Research projects and scientific communication</i> - Caroline COLLETTE, JeanChristophe MONBALIU - [30h Internship]             | Q2 | 5  | -   | [+] | <b>2</b> |
| LANG0076-1 | <i>English 1</i> (english language) - Daphné BUI, Véronique DOPPAGNE  | TA | 45 | -   | -   | <b>4</b> |
| LANG0077-1 | <i>English 2</i> (english language) - Clara BRERETON, Véronique DOPPAGNE  | TA | 45 | -   | -   | <b>4</b> |