

# Faculty of Paramedical Studies

## Bachelors in Medical Biology

Landscaping programme

### Block 1

#### Compulsory courses

|            |   |   |    |    |    |   |  |  |          |
|------------|---|---|----|----|----|---|--|--|----------|
| BMED0001-1 | <i>Chemical sciences 1</i> .....  |   |    |    |    |   |  |  | <b>5</b> |
|            | - <i>General chemistry 1</i> - Stéphanie SCHMEITS.....                    | - | -  | 50 | -  | - |  |  |          |
|            | - <i>Organic chemistry 1</i> - Steve GILLET.....                          | - | -  | 30 | -  | - |  |  |          |
| BMED0028-1 | <i>Organisms 1</i> .....  |   |    |    |    |   |  |  | <b>5</b> |
|            | - <i>Hygiene</i> - Sarah VERJANS .....                                    | - | -  | 15 | -  | - |  |  |          |
|            | - <i>General microbiology</i> - Christelle DEVILLÉ .....                  | - | -  | 50 | -  | - |  |  |          |
| BMED0029-1 | <i>Tissue cells 1</i> .....   |   |    |    |    |   |  |  | <b>4</b> |
|            | - <i>Cellular biology</i> - Denise ERNST .....                            | - | -  | 35 | -  | - |  |  |          |
|            | - <i>Cyto(histo)logy</i> - Sandra FLORQUIN.....                           | - | -  | 30 | -  | - |  |  |          |
| BMED0030-1 | <i>Physical sciences 1, Physics 1</i> - Olivier ENGLEBERT .....           |   | Q1 | 45 | -  | - |  |  | <b>3</b> |
| BMED0031-1 | <i>Mathematical and computer sciences 1</i> .....                         |   |    |    |    |   |  |  | <b>4</b> |
|            | - <i>Computer science 1</i> - Olivier ENGLEBERT .....                     | - | -  | 25 | -  | - |  |  |          |
|            | - <i>Mathematics and statistics 1</i> - Olivier ENGLEBERT .....           | - | -  | 25 | -  | - |  |  |          |
| BMED0006-1 | <i>Scientific and environmental English</i> .....                         |   |    |    |    |   |  |  | <b>4</b> |
|            | - <i>English scientific literature</i> - Daphné GUILLAUME.....            | - | -  | 25 | -  | - |  |  |          |
|            | - <i>Environmental chemistry</i> - Stéphanie SCHMEITS .....               | - | -  | 30 | -  | - |  |  |          |
| BMED0032-1 | <i>Tissue cells 2</i> .....   |   |    |    |    |   |  |  | <b>6</b> |
|            | - <i>Human biology</i> - Denise ERNST.....                                | - | -  | 40 | -  | - |  |  |          |
|            | - <i>Haematology 1</i> - Sandra FLORQUIN .....                            | - | -  | 20 | -  | - |  |  |          |
|            | - <i>Immunology 1</i> - Sandra FLORQUIN .....                             | - | -  | 15 | -  | - |  |  |          |
| BMED0008-1 | <i>Chemical sciences 2</i> .....  |   |    |    |    |   |  |  | <b>5</b> |
|            | - <i>Biochemistry 1</i> - Sarah VERJANS .....                             | - | -  | 20 | -  | - |  |  |          |
|            | - <i>Organic chemistry 2</i> - Steve GILLET.....                          | - | -  | 35 | -  | - |  |  |          |
| BMED0033-1 | <i>Physical sciences 2, Physics 2</i> - Olivier ENGLEBERT .....           |   | Q2 | 45 | -  | - |  |  | <b>4</b> |
| BMED0010-1 | <i>Chemical sciences 3, General chemistry 2</i> - Stéphanie SCHMEITS..... |   | Q2 | 50 | -  | - |  |  | <b>4</b> |
| BMED0034-1 | <i>Mathematical and computer sciences 2</i> .....                         |   |    |    |    |   |  |  | <b>4</b> |
|            | - <i>Computer science 2</i> - Olivier ENGLEBERT .....                     | - | -  | 25 | -  | - |  |  |          |
|            | - <i>Mathematics and statistics 2</i> - Olivier ENGLEBERT .....           | - | -  | 25 | -  | - |  |  |          |
| BMED0035-1 | <i>Practical work, Chemical sciences 1</i> .....                          |   |    |    |    |   |  |  | <b>8</b> |
|            | - <i>Practical work, Biochemistry 1</i> - Stéphanie SCHMEITS .....        | - | -  | -  | 15 | - |  |  |          |
|            | - <i>Practical work, General chemistry</i> - Stéphanie SCHMEITS .....     | - | -  | -  | 50 | - |  |  |          |
|            | - <i>Practical work, Organic chemistry 1</i> - Emeric DANLOY .....        | - | -  | -  | 35 | - |  |  |          |
| BMED0036-1 | <i>Practical work, Biomedical sciences 1</i> .....                        |   |    |    |    |   |  |  | <b>4</b> |
|            | - <i>Practical work, Haematology</i> - Sandra FLORQUIN .....              | - | -  | -  | 10 | - |  |  |          |
|            | - <i>Practical work, General microbiology</i> - Christelle DEVILLÉ.....   | - | -  | -  | 35 | - |  |  |          |

### Block 2

#### Compulsory courses

|            |   |   |   |    |   |   |  |  |          |
|------------|---|---|---|----|---|---|--|--|----------|
| BMED0014-1 | <i>Chemical sciences 4</i> .....  |   |   |    |   |   |  |  | <b>5</b> |
|            | - <i>Analytical chemistry 1</i> - Steve GILLET.....                     | - | - | 30 | - | - |  |  |          |
|            | - <i>Physical chemistry 1</i> - Steve GILLET .....                      | - | - | 35 | - | - |  |  |          |
|            | <u>Prerequisite:</u>  |   |   |    |   |   |  |  |          |
|            | BMED0001-1 - Chemical sciences 1  |   |   |    |   |   |  |  |          |
|            | BMED0010-1 - Chemical sciences 3  |   |   |    |   |   |  |  |          |
| BMED0015-1 | <i>Organisms 2</i> .....  |   |   |    |   |   |  |  | <b>5</b> |
|            | - <i>Immunology 2</i> - Valérie DEFAWEUX.....                           | - | - | 25 | - | - |  |  |          |
|            | - <i>Microbiology - Medical bacteriology</i> - Christelle DEVILLÉ ..... | - | - | 40 | - | - |  |  |          |

|            |  |   |    |    |    |          |
|------------|--|---|----|----|----|----------|
|            | <u>Prerequisite:</u><br>BMED0028-1 - Organisms 1   |   |    |    |    |          |
|            | BMED0032-1 ..... Tissue cells 2  |   |    |    |    |          |
| BMED0016-1 | <i>Clinical chemistry 1</i> .....  |   |    |    |    | <b>6</b> |
|            | - <i>Clinical chemistry 1</i> - Caroline LE GOFF, Sarah VERJANS .....                        | - | -  | 45 | -  | -        |
|            | - <i>Physio(patho)logy</i> - Romy GADISSEUR .....  | - | -  | 25 | -  | -        |
| BMED0017-1 | <i>Biochemical sciences 1</i> .....  |   |    |    |    | <b>6</b> |
|            | - <i>Biochemistry 2</i> - Sarah VERJANS .....  | - | -  | 50 | -  | -        |
|            | - <i>Biotechnology 1</i> - Benaïssa ELMOUALIJ .....  | - | -  | 25 | -  | -        |
|            | <u>Prerequisite:</u><br>BMED0008-1 - Chemical sciences 2                                     |   |    |    |    |          |
| BMED0037-1 | <i>Mathematical sciences 1, Mathematics and statistics 3</i> -<br>Olivier ENGLEBERT .....    |   | Q1 | 30 | -  | <b>2</b> |
| BMED0020-1 | <i>Chemical sciences 5</i> .....   |   |    |    |    | <b>5</b> |
|            | - <i>Analytical chemistry 2</i> - Steve GILLET .....   | - | -  | 30 | -  | -        |
|            | - <i>Physical chemistry 2</i> - Steve GILLET .....   | - | -  | 35 | -  | -        |
|            | <u>Prerequisite:</u><br>BMED0010-1 - Chemical sciences 3<br>BMED0001-1 - Chemical sciences 1 |   |    |    |    |          |
| BMED0018-1 | <i>Biomedical sciences 1, Food sciences</i> - Sandra FLORQUIN .....                          |   | Q2 | 35 | -  | <b>3</b> |
| BMED0038-1 | <i>Biomedical sciences 2</i> .....   |   |    |    |    | <b>5</b> |
|            | - <i>Clinical chemistry 2</i> - Caroline LE GOFF, Sarah VERJANS .....                        | - | -  | 35 | -  | -        |
|            | - <i>Quality implementation</i> - Olivier ENGLEBERT .....                                    | - | -  | 10 | -  | -        |
|            | - <i>Haematology 2</i> - Olivier WAROUX .....  | - | -  | 25 | -  | -        |
|            | <u>Prerequisite:</u><br>BMED0032-1 ..... Tissue cells 2                                      |   |    |    |    |          |
| BMED0022-1 | <i>Biomedical sciences 3</i> .....   |   |    |    |    | <b>6</b> |
|            | - <i>Biochemistry 3</i> - Sarah VERJANS .....  | - | -  | 50 | -  | -        |
|            | - <i>Genetics and genetic engineering</i> - Christelle DEVILLÉ .....                         | - | -  | 30 | -  | -        |
|            | <u>Prerequisite:</u><br>BMED0008-1 - Chemical sciences 2                                     |   |    |    |    |          |
| BMED0039-1 | <i>Practical work, Chemical sciences 2</i> .....   |   |    |    |    | <b>9</b> |
|            | - <i>Practical work, Analytical chemistry</i> - Steve GILLET .....                           | - | -  | -  | 90 | -        |
|            | - <i>Practical work, Biochemistry 2</i> - Sarah VERJANS .....                                | - | -  | -  | 40 | -        |
|            | <u>Prerequisite:</u><br>BMED0035-1 ..... Practical work, Chemical sciences 1                 |   |    |    |    |          |
| BMED0040-1 | <i>Practical work, Biomedical sciences 2</i> .....   |   |    |    |    | <b>8</b> |
|            | - <i>Practical work, Applied microbiology</i> - Christelle DEVILLÉ .....                     | - | -  | -  | 30 | -        |
|            | - <i>Practical work, Clinical chemistry</i> - Stéphanie SCHMEITS .....                       | - | -  | -  | 50 | -        |
|            | - <i>Practical work, Applied haematology</i> - Olivier WAROUX .....                          | - | -  | -  | 15 | -        |
|            | <u>Prerequisite:</u><br>BMED0036-1 ..... Practical work, Biomedical sciences 1               |   |    |    |    |          |

### Block 3

#### Compulsory courses

|            |   |   |   |    |   |          |
|------------|---|---|---|----|---|----------|
| BMED0025-1 | <i>Biomedical sciences 4</i> .....  |   |   |    |   | <b>5</b> |
|            | - <i>Physical chemistry 3</i> - Stéphanie SCHMEITS .....  | - | - | 25 | - | -        |
|            | - <i>(Para)pharmaceutical products</i> - Marie PIETTE .....   | - | - | 20 | - | -        |
|            | - <i>Toxicology</i> - Thierry GOUGNARD .....  | - | - | 20 | - | -        |
|            | <u>Prerequisite:</u><br>BMED0014-1 - Chemical sciences 4<br>BMED0020-1 - Chemical sciences 5            |   |   |    |   |          |
| BMED0026-1 | <i>Biomedical sciences 5</i> .....  |   |   |    |   | <b>5</b> |
|            | - <i>Haematology 3</i> - Sandra FLORQUIN .....  | - | - | 25 | - | -        |
|            | - <i>Professional sampling techniques</i> - Caroline LE GOFF .....                                      | - | - | 15 | - | -        |
|            | - <i>Clinical chemistry 3</i> - Thierry GOUGNARD .....  | - | - | 25 | - | -        |
|            | <u>Prerequisite:</u><br>BMED0016-1 ..... Clinical chemistry 1<br>BMED0038-1 ..... Biomedical sciences 2 |   |   |    |   |          |
| BMED0027-1 | <i>Biomedical sciences 6</i> .....  |   |   |    |   | <b>9</b> |
|            | - <i>Microbiology: parasitology and virology</i> - Olivier WAROUX .....                                 | - | - | 55 | - | -        |

| Details of course hours [+] see explanations in the caption ..... |   | Bl | Or | Th | Pr | Other | Cr        |
|---|---|----|----|----|----|-------|-----------|
|   | - <i>Biotechnology 2</i> - Benaïssa ELMOUALIJ .....   | -  | -  | 40 | -  | -     |           |
|   | - <i>Safety and hygiene</i> - Sandra FLORQUIN .....   | -  | -  | 20 | -  | -     |           |
|   | - <i>Research methodology</i> - Christelle DEVILLÉ .....  | -  | -  | 15 | -  | -     |           |
|   | <u>Prerequisite:</u><br>BMED0015-1 - Organisms 2<br>BMED0040-1 ..... Practical work, Biomedical sciences 2  |    |    |    |    |       |           |
| BMED0041-1  | <b>Professional integration activities (PIA) 1</b> .....  |    |    |    |    |       | <b>26</b> |
|   | - <i>Thesis</i> - Christelle DEVILLÉ .....  | -  | -  | -  | -  | -     |           |
|   | - <i>Thesis placement</i> - Stéphanie SCHMEITS - [405 hours].....   | -  | -  | -  | -  | [+]   |           |
|   | <u>Prerequisite:</u><br>BMED0015-1 - Organisms 2<br>BMED0016-1 ..... Clinical chemistry 1<br>BMED0040-1 ..... Practical work, Biomedical sciences 2<br>BMED0038-1 ..... Biomedical sciences 2<br>BMED0022-1 ..... Biomedical sciences 3 |    |    |    |    |       |           |
| MSTG0001-1  | <b>Professional integration activities (PIA) 2, Placement 1</b> -<br>Christelle DEVILLE, Stéphanie SCHMEITS - [105 hours].....  |    | AY | -  | -  | [+]   | <b>5</b>  |
|   | <u>Prerequisite:</u><br>BMED0015-1 - Organisms 2<br>BMED0016-1 ..... Clinical chemistry 1<br>BMED0040-1 ..... Practical work, Biomedical sciences 2<br>BMED0038-1 ..... Biomedical sciences 2<br>BMED0022-1 ..... Biomedical sciences 3 |    |    |    |    |       |           |
| MSTG0002-1  | <b>Professional integration activities (PIA) 3, Placement 2</b> -<br>Christelle DEVILLE, Stéphanie SCHMEITS - [105 hours].....  |    | AY | -  | -  | [+]   | <b>5</b>  |
|   | <u>Prerequisite:</u><br>BMED0015-1 - Organisms 2<br>BMED0016-1 ..... Clinical chemistry 1<br>BMED0040-1 ..... Practical work, Biomedical sciences 2<br>BMED0038-1 ..... Biomedical sciences 2<br>BMED0022-1 ..... Biomedical sciences 3 |    |    |    |    |       |           |
| MSTG0003-1  | <b>Professional integration activities (PIA) 4, Placement 3</b> -<br>Christelle DEVILLE, Stéphanie SCHMEITS - [105 hours].....  |    | AY | -  | -  | [+]   | <b>5</b>  |
|   | <u>Prerequisite:</u><br>BMED0015-1 - Organisms 2<br>BMED0016-1 ..... Clinical chemistry 1<br>BMED0040-1 ..... Practical work, Biomedical sciences 2<br>BMED0038-1 ..... Biomedical sciences 2<br>BMED0022-1 ..... Biomedical sciences 3 |    |    |    |    |       |           |