

## Cycle view of the study programme

B1 Or Th Pr Au Cr

### Focus courses (B1 : 27Cr, B2 : 3Cr)

Choose one of the programmes in the focus: (B1 : 27Cr, B2 : 3Cr)

#### PROFESSIONAL FOCUS IN BIOMEDICAL DATA MANAGEMENT (reformed programme) (B1 : 27Cr, B2 : 3Cr)

Notice : for students enrolling for the first time in 2024-2025.

HULG9514-1	<i>Introduction to programming</i> (english language) - François DEGRAVE, Wim VANTHOF	B1	Q1	30	30	-	6
HULG9508-1	<i>Operating System</i> (english language) - Seweryn DYNEROWICZ, JeanMarie JACQUET	B1	Q2	15	15	-	3
HULG9509-2	<i>Algorithmics</i> (english language) - JeanMarie JACQUET - [30h AUTR]	B1	Q2	30	30	[+]	7
HULG9510-1	<i>Data Analyses</i> (english language) - Adrien BIDAL, Benoît FRÉNAY	B1	Q2	30	15	-	4
INFO9007-1	<i>Advanced Programming</i> (english language) - AnneFrançoise DONNEAU	B1	Q2	10	20	-	3
SBIM2016-2	<i>Data Management Process within the clinical and the reporting Process</i> (english language) - Christophe POULET	B1	Q2	20	10	-	4

#### PROFESSIONAL FOCUS IN BIOMEDICAL DATA MANAGEMENT (transitional programme) (B1 : 27Cr, B2 : 3Cr)

Notice : for students enrolled before 2024-2025.

HULG9514-1	<i>Introduction to programming</i> (english language) - François DEGRAVE, Wim VANTHOF	B1	Q1	30	30	-	6
HULG9508-1	<i>Operating System</i> (english language) - Seweryn DYNEROWICZ, JeanMarie JACQUET	B1	Q2	15	15	-	3
HULG9509-1	<i>Algorithmics</i> (english language) - JeanMarie JACQUET - [30h AUTR]	B1	Q2	30	30	[+]	8
HULG9510-1	<i>Data Analyses</i> (english language) - Adrien BIDAL, Benoît FRÉNAY	B1	Q2	30	15	-	4
INFO9007-1	<i>Advanced Programming</i> (english language) - AnneFrançoise DONNEAU	B1	Q2	10	20	-	3
SBIM2016-1	<i>Data Management Process within the clinical and the reporting Process</i> (english language) - Christophe POULET	B1	Q2	20	10	-	3
SBIM2027-1	<i>Medical record</i> - Philippe KOLH	B2	Q1	10	-	-	1
SBIM2028-1	<i>Clinical Data Management and Biobank</i> (english language) - Stéphanie GOFFLOT, Jessica JACQUES	B2	Q1	5	10	-	2

### Core curriculum courses (B1 : 33Cr, B2 : 57Cr)

Choose one of the two programmes: (B1 : 33Cr, B2 : 57Cr)

#### MASTER IN BIOMEDICINE, with focus (reformed programme) (B1 : 33Cr, B2 : 57Cr)

Notice : for students enrolling for the first time in 2024-2025.

##### Core curriculum compulsory courses

GENE0431-2	<i>Introduction to Genomics</i> (english language) - Michel GEORGES - [10h APP]	B1	Q1	20	-	[+]	3
COMU0430-2	<i>Scientific communication skills</i> (english language) - Michael HERFS	B1	Q1	10	20	-	2
STAT0420-1	<i>Biostatistics 2</i> - AnneFrançoise DONNEAU	B1	Q1	15	15	-	2
BIOL0431-3	<i>Cellular and molecular biology of disease</i> (english language) - Alain CHARLOT, Laurent NGUYEN, Agnès NOËL - [20h APP]	B1	Q1	20	-	[+]	3
INFO9024-1	<i>Data interpretation in bioinformatics</i> (english language) -	B1	Q1	10	-	[+]	3

AVERGNE - [20h APP]

SBIM2002-2	<i>Introduction to Oncology</i> (english language) - Christine GILLES, Nathalie JACOBS, Agnès NOËL, MarieJulie NOKIN, Nor Eddine SOUNNI - [4h AUTR]	B1	Q1	26	-	[+]	3
SBIM0439-1	<i>Bibliographic Research</i> (english language) - Nathalie JACOBS, Christel PEQUEUX	B1	Q2	-	-	-	3
METO0822-1	<i>Introduction to Translational Research</i> (english language) - François JOURET , Laurent WEEKERS	B1	Q2	30	-	-	3
SBIM2031-1	<i>Introduction to drug development</i> (english language) - Pierre FRANCOTTE, Géraldine PIEL	B1	Q2	20	-	-	2
MSTG9107-1	<i>Scientific internship</i> (english language) - Virginie NEIRINCKX, Christel PEQUEUX	B1	Q2	-	-	-	3

**Common core courses**

Choose two courses from: (B1 : 6Cr)

SBIM2030-1	<i>Advances I in Clinical Biology</i> (english language) - Pablo BECKERS, Sébastien BONTEMS, Khalid EL MOUSSAOUI, Cécile MEEEX, Rosalie SACHELI	B1	Q1	15	15	-	3
IMMU0523-2	<i>Advances I in Immunology and Vaccinology</i> (english language) - Laurence DELACROIX, Nathalie JACOBS - [13h AUTR]	B1	Q1	12	5	[+]	3
SBIM2003-2	<i>Advances I in Cardiovascular Biology</i> (english language) - Mathieu LEMPEREUR - [10h AUTR]	B1	Q1	20	-	[+]	3
NEUR2043-2	<i>Advances I in Neurosciences</i> (english language) - Rachelle FRANZEN, Gaëtan GARRAUX, Virginie NEIRINCKX, Vincent SEUTIN	B1	Q1	26	4	-	3
NUTR1003-2	<i>Advances in GIT biology</i> (english language) - Laurence DELACROIX, Véronique DELCENSERIE, Nathalie ESSER, Nicolas PAQUOT, Catherine REENAERS, Bernard TAMINIAU - [5h AUTR]	B1	Q1	25	-	[+]	3
PHAR2221-2	<i>Advances I in Pharmacology and Toxicology</i> (english language) - Raphaël DENOZ, Julien HANSON - [10h AUTR]	B1	Q1	20	-	[+]	3
SBIM2008-2	<i>Advances I in Oncology</i> (english language) - Jorge ARRESE ESTRADA, Denis MOTTET, Nor Eddine SOUNNI - [12h AUTR]	B1	Q1	14	4	[+]	3

**MASTER IN BIOMEDICINE, with focus (transitory programme) (B1 : 33Cr, B2 : 57Cr)**

*Notice* : for students enrolled before 2024-2025.

**Core curriculum compulsory courses**

LANG0130-2	<i>Introduction to scientific seminars</i> (english language) - Sabine WISLET	B1	Q1	4	16	-	2
COMU0430-2	<i>Scientific communication skills</i> (english language) - Michael HERFS	B1	Q1	10	20	-	2
BIOL0431-2	<i>Cellular and molecular biology of disease</i> (english language) - Alain CHARLOT, Laurent NGUYEN, Agnès NOËL - [20h APP]	B1	Q1	20	-	[+]	2
GENE0431-1	<i>Introduction to Genomics</i> (english language) - Michel GEORGES	B1	Q1	20	-	-	2
STAT0420-1	<i>Biostatistics 2</i> - AnneFrançoise DONNEAU	B1	Q1	15	15	-	2
IMMU0523-1	<i>Advances I in Immunology and Vaccinology</i> (english language) - Laurence DELACROIX, Nathalie JACOBS - [5h AUTR]	B1	Q1	15	-	[+]	2
SBIM2002-1	<i>Introduction to Oncology</i> (english language) - Christine GILLES, Nathalie JACOBS, Agnès NOËL, MarieJulie NOKIN, Nor Eddine SOUNNI - [5h AUTR]	B1	Q1	15	-	[+]	2

SBIM2003-1	<i>Advances I in Cardiovascular Biology</i> (english language) - Mathieu LEMPEREUR - [5h AUTR]	B1	Q1	15	-	[+]	2
NEUR2043-1	<i>Advances I in Neurosciences</i> (english language) - Rachelle FRANZEN, Gaëtan GARRAUX, Virginie NEIRINCKX, Vincent SEUTIN - [5h AUTR]	B1	Q1	15	-	[+]	2
NUTR1003-1	<i>Advances in GIT biology</i> (english language) - Laurence DELACROIX, Véronique DELCENSERIE, Nathalie ESSER, Nicolas PAQUOT, Catherine REENAERS, Bernard TAMINIAU - [5h AUTR]	B1	Q1	15	-	[+]	2
PHAR2221-1	<i>Advances I in Pharmacology and Toxicology</i> (english language) - Raphaël DENOOZ, Julien HANSON - [5h AUTR]	B1	Q1	15	-	[+]	2
SBIM0437-4	<i>Regulatory framework for (bio)security and management of biological risks in research and development facilities</i> (english language) - Emmanuelle DINON, Christine GRIGNET, Olivier THELLIN, Willy ZORZI - [2h Moni. ex.]	B1	Q1	13	-	[+]	1
INFO0430-3	<i>Notions of bioinformatics</i> - Olivier PEULEN	B1	Q2	10	10	-	2
CHIM0440-2	<i>Clinical chemistry</i> - Etienne CAVALIER	B1	Q2	20	10	-	2
METO0822-1	<i>Introduction to Translational Research</i> (english language) - François JOURET , Laurent WEEKERS	B1	Q2	30	-	-	3
SBIM0439-1	<i>Bibliographic Research</i> (english language) - Nathalie JACOBS, Christel PEQUEUX	B1	Q2	-	-	-	3
STAT1750-1	<i>Multivariate statistical analysis</i> - AnneFrançoise DONNEAU	B2	Q1	15	10	-	2
MSTG9076-1	<i>Work placement</i> - COLLÉGIALITÉ, Christel PEQUEUX <b>Corequisite :</b> MMEM9012-1 - Thesis	B2	Q2	-	-	-	17
MMEM9012-1	<i>Thesis</i> (english language) - COLLÉGIALITÉ, Rachelle FRANZEN <b>Prerequisite :</b> SBIM0439-1 - Bibliographic Research	B2	TA	-	-	-	28

### Common core courses (B2 : 10Cr)

Choose two courses out of the following : (B2 : 10Cr)

SBIM2029-1	<i>Additional biological analyses</i> - François BOEMER, Sébastien BONTEMS, Philippe CALMANT, Benaïssa ELMOUALI, MariePierre HAYETTE, Cécile MEEUX - [20h AUTR]	B2	Q1	40	10	[+]	5
NEUR2616-1	<i>Specific questions in Neurosciences</i> (english language) - Laurence DELACROIX, Rachelle FRANZEN, Gaëtan GARRAUX, Vincent SEUTIN - [30h AUTR]	B2	Q1	18	2	[+]	5
INFO9010-1	(pas organisé en 2024-2025) <i>Medical records and hospital IT</i> - Laurent DEBRA, Philippe KOLH, Michel RAZE	B2	Q1	30	-	-	5
SBIM2017-1	<i>Oncology and Immunology</i> (english language) - Nathalie JACOBS - [10h AUTR]	B2	Q1	40	-	[+]	5
SBIM2018-1	<i>GIT from bench to bedside</i> (english language) - Olivier DETRY, MarieAlice MEUWIS, Catherine REENAERS - [10h AUTR]	B2		40	-	[+]	5
SBIM2019-1	<i>Advanced concepts in drug therapy and development</i> (english language) - Alain CHARLOT, Pierre FRANCOITTE, Géraldine PIEL - [10h AUTR]	B2	Q1	40	-	[+]	5
CHIM9314-1	<i>Mass spectrometry technologies in biomedical research and their applications in the biotech industry</i> (english language) - Marianne FILLET, Gabriel MAZZUCHELLI - [10h AUTR]	B2	Q1	30	20	[+]	5

### Bridging courses Master in biology (120 credits)

**Compulsory courses (B0 : 60Cr)**

TOXI0341-3	<i>Toxicological chemistry, Part I, Toxicological chemistry</i> - Corinne CHARLIER	B0	Q1	25	-	-	<b>4</b>
BIOC0006-1	<i>Principles of normal and pathological cellular regulation</i> - Agnès NOËL	B0	Q1	20	-	-	<b>2</b>
PHAC1001-2	<i>General pharmacology</i> - Theory - Vincent SEUTIN - Practical work and tutorials in pharmacology for biomedical sciences - Vincent SEUTIN - [4h SEM]	B0	Q1	20	-	-	<b>2</b>
DEON0003-1	<i>Questions of ethics : Animal and human experimentation</i> - Jo CAERS, JeanMichel DOGNE, Pierre DRION, Ezio TIRELLI	B0	Q1	15	-	-	<b>2</b>
METO0003-1	<i>Introduction to scientific method and to experimentation</i> - Christel PEQUEUX, Barbara POLESE	B0	Q1	10	10	-	<b>1</b>
STAT1001-1	<i>Biostatistics I</i> - AnneFrançoise DONNEAU - [15h QA Sess.]	B0	Q1	15	-	[+]	<b>2</b>
LABO0001-1	<i>Learning about experimental research</i> - Theory - Laurence DELACROIX, Rachelle FRANZEN, Carine MUNAUT, Agnès NOËL, Christel PEQUEUX, Nor Eddine SOUNNI, Sabine WISLET - Specific practical work - Laurence DELACROIX, Rachelle FRANZEN, Carine MUNAUT, Agnès NOËL, Christel PEQUEUX, Nor Eddine SOUNNI, Sabine WISLET - Specific practical work - Laurence DELACROIX, Rachelle FRANZEN, Carine MUNAUT, Agnès NOËL, Christel PEQUEUX, Nor Eddine SOUNNI, Sabine WISLET	B0	Q1	10	-	-	<b>9</b>
INFO9021-1	<i>Principles of programming Part 2 - Algorithmics and programming</i> - Christophe POULET	B0	Q1	10	10	-	<b>2</b>
LANG6002-1	<i>Advanced English for Biomedical Research : Writing</i> (english language) - Yasmine BADIR, Ellen HARRY	B0	Q1	-	30	-	<b>2</b>
NEUR2615-1	<i>Introduction to neurosciences</i> - Laurence DELACROIX, Rachelle FRANZEN, Gaëtan GARRAUX, Vincent SEUTIN	B0	Q1	40	-	-	<b>4</b>
IMMU0522-1	<i>Immunopathology</i> - Christophe DESMET, Michel MOUTSCHEN - [7h SI]	B0	Q2	10	-	[+]	<b>2</b>
MICR0330-4	<i>Medical microbiology</i> - MariePierre HAYETTE - [7h SI]	B0	Q2	25	10	[+]	<b>3</b>
CHIM0430-1	<i>Elements of analytical chemistry</i> - Marianne FILLET, AnneCatherine SERVAIS	B0	Q2	20	40	-	<b>4</b>
CHIM0217-3	<i>Principles of clinical chemistry</i> - Etienne CAVALIER	B0	Q2	20	-	-	<b>2</b>
LABO0431-1	<i>Integrated practical work</i> - Agnès NOËL, MarieJulie NOKIN	B0	Q2	5	35	-	<b>3</b>
SBIM0491-1	<i>Virology Part 2</i> - Nathalie JACOBS	B0	Q2	20	-	-	<b>2</b>
BIOC1004-2	<i>Biochemistry and normal and pathological human physiology</i> - Cardiovascular system - Philippe KOLH - Respiratory system - Didier CATALDO - Nervous system - Gaëtan GARRAUX - Nervous system - specific concepts - Gilles VANDEWALLE - [2h Pr.]	B0	Q2	10	-	-	<b>5</b>
BIOC1004-3	<i>Biochemistry and normal and pathological human physiology</i> - Endocrine system and metabolism - Philippe KOLH - Digestive system - Didier CATALDO - Nephro-urinary system - Didier CATALDO	B0	Q2	15	-	-	<b>4</b>
INFO9022-1	<i>Systems architecture and IT networks, part 1</i> - Vân Anh HUYNHTHU	B0	Q2	15	15	-	<b>3</b>
LANG6003-1	<i>Advanced English for Biomedical Research: Speaking</i> (english language) - Yasmine BADIR, Ellen HARRY	B0	Q2	-	30	-	<b>2</b>