

At Bruxelles Woluwe - 180 credits - 3 years - Day schedule - In FrenchDissertation/Graduation Project : **NO** - Internship : **YES**Activities in English: **NO** - Activities in other languages : **NO**Activities on other sites : **NO**Main study domain : **Sciences biomédicales et pharmaceutiques**Organized by: **Faculty of Pharmacy and Biomedical Sciences (FASB)**Programme acronym: **SBIM1BA** - Francophone Certification Framework: 6**Table of contents**

Introduction	2
Teaching profile	3
- Learning outcomes	3
- Programme structure	3
- Detailed programme	4
- Programme by subject	4
- List of available minors	7
- Course prerequisites	8
- The programme's courses and learning outcomes	11
- Programme type	11
- SBIM1BA - 1st annual unit	11
- SBIM1BA - 2nd annual unit	13
- SBIM1BA - 3rd annual unit	14
Information	16
- Access Requirements	16
- Teaching method	18
- Evaluation	18
- Mobility and/or Internationalisation outlook	18
- Possible trainings at the end of the programme	18
- Contacts	18

SBIM1BA - Introduction

Introduction

SBIM1BA - Teaching profile

Learning outcomes

Bachelor in Biomedicine students must endeavour to prepare themselves for the training offered in the various Master's programmes taught by the School of Biomedical Sciences. To this end, students will apply themselves to acquiring the knowledge and skills that will enable them to become specialists in a field of biomedicine and play an integral part in a scientific project.

As part of the Bachelor in Biomedicine programme, students will study in detail the basic scientific foundations required to practise biomedicine and will discover a variety of specific areas of biomedical research. These activities will enable them to decide on their training projects for the Master's programme. In addition, practical lab work will enable Bachelor students to acquire the professional skills that they will develop during the Master's programme with increasing robustness and independence.

The objective of the School of Biomedical Sciences is to produce health sector professionals capable of conducting and interpreting scientific projects intended to improve the understanding, diagnosis and treatment of human diseases. In particular, the training is aimed at developing the skills required for the acquisition and analysis of observations and experiments in biomedicine, while at the same time cultivating scientific robustness and integrity.

On successful completion of this programme, each student is able to :

1 Use the tools required to acquire integrated knowledge in biomedicine

1.a Incorporate the general knowledge and methodologies in experimental biomedicine: biochemistry and molecular biology; cellular biology, general and special histology, general anatomy; general and special physiology; principal pathologies and their multifactorial pathogenesis, genetic diseases as experiments by nature; the major principles of pharmacology.

1.b Describe the experimental approaches and observation methods that resulted in this knowledge base.

1.c Use modern knowledge sources to effectively research pertinent, new and specific information.

2 Master the culture of numbers and representations

2.a Understand units and deal with orders of magnitude; use the standardisations and tests limiting the dispersion of experimental measurements; use reasoning and statistical tools; use forms of graphical representation.

2.b Understand the functions and rules of modern mathematical modelling; understand the mathematical translation of the major laws of physics, chemistry and biology (speed and constants, flux, interactions and affinity); identify the crucial limiting parameters.

2.c Display command of the IT tools that assist analysis and calculation.

3 Conduct biomedical experiments

3.a Formulate a biomedical problem, translate it into a scientific question and determine an experimental strategy to deal with it.

3.b Execute the successive steps of an experimental protocol:

i.e.:

- understand and accurately describe them, so that they may be reproduced by another scientist.

3.c Conduct experiments:

i.e.:

- manipulate biological and chemical equipment, demonstrating manual dexterity and observing laboratory best practices, including safety and waste management standards;

- use measuring and imaging instruments appropriately, as well as the IT tools associated with them;

- ensure effective reproducibility through accurate and thorough know-how.

4 Analyse, write and evaluate data from biomedical experiments

4.a Robustly analyse the observations in order to draw interpretations from them; identify analogical and deductive reasonings; identify correlation and causality.

4.b On the basis of the above reasonings, present a detailed argument of the results by comparing them with the bibliographical data (critical analysis).

4.c Recognise the failures and identify their causes.

5 Present scientific observations clearly, verbally and in writing

5.a Understand and employ a precise and specific biomedical vocabulary adapted to the applications of biomedicine.

5.b Draft a precise protocol, note the observations in detail in a laboratory notebook, write a clear, informative and exhaustive report on a series of observations or experiments.

5.c Use the rules enabling effective verbal communication of projects, published data or the results of experiments.

5.d Demonstrate the internal consistency of the results and incorporate them into the published knowledge bases.

Programme structure

General presentation of the programme

The bachelor's of Biomedical Sciences totals 180 credits.

The " major " of the programme consists of a basic course of 60 credits (1st year) and a specialised training course (2nd and 3rd year) of at least 90 credits.

The major is completed by a course equivalent to 30 credits, which may be an option selected from "the options menu" (more advanced studies in Biomedical Sciences) or a "minor" (an opening course in other disciplines). The course of 30 credits may be followed together with the specialised course.

Principal Subjects

The bachelor's studies enable the student to apprehend the world of the living, from a single atom to the whole of society .

A toms, molecules and the systems which govern them :

General and Organic Chemistry - Biochemistry - Applied Physics - Pharmacology and Pharmacokinetics - Mathematics.

From a single cell to a human being

Morphological and Functional Approach : General Cellular and Molecular Biology, - Cytology and Histology- Anatomy - Embryology - Immunology - Physiology - Microbiology - General Pathology.

Man and society

Contextual Approach : Philosophy - Psychology.

Research experience

Statistics - Strategies and applied models - Genetic Engineering - Instrumental Analysis.

Other studies

English

SBIM1BA Detailed programme

Programme by subject

	Year
	1 2 3

o Majeure (150 credits)

o Des atomes, des molécules et des systèmes qui les régissent

Code	Description	Enseignant(s)	Volume	Credits	Exam	Year 1	Year 2	Year 3
WMD1102	Physique expérimentale et introduction mathématique aux sciences expérimentales (1e partie)	Michel Herquet Geoffroy Piroux	60h+21h	8 Credits	q1	x		
WMD1104	Physique expérimentale et introduction mathématique aux sciences expérimentales (2e partie)	Fabio Maltoni	30h+21h	5 Credits	q2	x		
WSBIM1001	MATHEMATICAL METHODS IN BIOMEDICAL SCIENCES	Pierre Bieliavsky Annie Robert	45h+20h	5 Credits	q2	x		
WMD1105	Chimie générale et minérale	Mark Rider (coord.) Alexandru Vlad	60h+30h	9 Credits	q1	x		
WMD1106	ORGANIC CHEMISTRY	Olivier Riant Michael Singleton	60h+30h	9 Credits	q2	x		
WPHAR1300	Pharmacologie 1re partie	Emmanuel Hermans Marie-Paule Mingot	30h+7.5h	3 Credits	q1			x
WFARM1221S	Biochimie et biologie moléculaire (partim biochimie)		50h+10h	6 Credits	q1	x		

o De la cellule à l'être humain

WMD1120	Biologie générale et approche expérimentale de la biologie	Charles De Smet Jean Baptiste Demoulin (coord.) Pascal Kienlen-Campard	75h+25h	10 Credits	q1	x		
WMD1006	Cytology and general histology	Christophe Pierreux	10h+40h	5 Credits	q2	x		
WFARM1009	Elements of general and functional anatomy	Christine Galant (coord.) Catherine Hubert Alain Poncelet	30h	3 Credits	q2	x		

							Year		
							1	2	3
○ WSBIM1226	Biologie moléculaire (dont l'épigénétique) et travaux dirigés	Charles De Smet Frédéric Lemaigre Thomas Michiels (coord.)	30h+10h	3 Credits	q1		x		
○ WSBIM1227	Biologie moléculaire et biochimie intégrée	Luc Bertrand	20h+30h	3 Credits	q2		x		
○ WMDS1230	Biologie cellulaire médicale et expérimentale	Stefan Constantinescu (coord.) Christophe Pierreux Donatienne Tyteca	30h+20h	4 Credits	q1		x		
○ WANAT1110	Human embryology	Frédéric Clotman Charles De Smet (coord.) Christophe Pierreux	30h	3 Credits	q2			x	
○ WSBIM1201T	Physiologie générale (partim théorie, 40h)		40h	4 Credits	q1		x		
○ WSBIM1201P	Physiologie générale (partie travaux pratiques, 25h)		0h+25h	2 Credits	q1		x		
○ WSBIM1203	Histologie spéciale et hématologie	Etienne Marbaix (coord.) Christophe Pierreux	15h+15h	3 Credits	q1		x		
○ WSBIM1204	Atelier d'histologie et d'anatomie pathologique	Yves Guiot Etienne Marbaix (coord.) Christophe Pierreux	30h	2 Credits	q2			x	
○ WFARM1282	General microbiology	Thomas Michiels	20h+15h	3 Credits	q1		x		
○ WSBIM1200	Analyse instrumentale biomédicale et radioprotection	Giulio Muccioli	30h+30h	4 Credits	q1		x		
○ WFARM1213S	Human physiology and basics of physiopathology - (Partim SBIM)		50h	5 Credits	q2		x		
○ WMDS1231	Biochimie humaine pathologique	Jean-François Collet Frédéric Lemaigre (coord.)	30h	3 Credits	q2			x	
○ WMDS1229	Génétique humaine	Miikka Vikkula	20h	2 Credits	q2			x	
○ WSBIM1334	Immunologie générale	Pierre Coulie (coord.) Isabelle Leclercq Julian Leprince Sophie Lucas Jean-Christophe Renaud Benoît Van Den Eynde	65h	6 Credits	q1			x	
○ WSBIM1382	Génétique et biotechnologie appliquée	Luc Bertrand (coord.) Laure Dumoutier Géraldine Laloux Nisha Limaye	30h	3 Credits	q1			x	
○ WSBIM1302	Molecular Virology	Thomas Michiels	25h	3 Credits	q1			x	
○ WFARM1305	Elements of General Pathology	Mélanie Dechamps Olivier Feron (coord.)	30h	3 Credits	q2			x	
○ WSBIM1293	Training course in cell biology	Nicolas Dauguet Laure Dumoutier (coord.)	30h	2 Credits	q2		x		
○ WSBIM1303P	Ateliers de stratégie expérimentale en biologie cellulaire et moléculaire (pratique)		30h	3 Credits	q2			x	
○ WSBIM1303T	Ateliers de stratégie expérimentale en biologie cellulaire et moléculaire (théorie)		30h	3 Credits	q1			x	

○ L'homme et la société : approche contextuelle

○ WFARM1247	Traitement statistique des données	Eugen Pircaabelu	15h+15h	3 Credits	q2		x	
○ WFARM1202	Eléments d'épidémiologie appliquée aux sciences pharmaceutiques et biomédicales	Séverine Henrard	20h	2 Credits	q2			x
○ WFARM2177	Biostatistics	Laure Elens	20h+10h	3 Credits	q2			x
○ WFARM1160	Philosophy		30h	3 Credits	q1	x		
○ LANGL1854	Medical English	Auréli Deneumoustier Ariane Halleux Carlo Lefevre (coord.)	30h	3 Credits	q2	x		
○ LANGL1855	Medical English	Timothy Byrne (coord.) Auréli Deneumoustier Carlo Lefevre (coord.)	30h	3 Credits	q1 or q2		x	

						Year		
						1	2	3
○ LANGL2454	English for biomedical students	Nicholas Gibbs Nevin Serbest (coord.)	30h	3 Credits	q2			x

○ Stage en laboratoire (3 credits)

○ WSBIM1393	Stage en laboratoire	Pascal Kienlen-Campard	30h	3 Credits	q2			x
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⊗ Additional module in Biomedical Sciences (30 credits)

Programme pour les étudiants qui ont choisit l'approfondissement en sciences biomédicales

○ Deuxième bloc annuel de bachelier

L'étudiant est tenu de suivre les cours suivants :

○ WSBIM1205	Introduction à la toxicologie	Nathalie Delzenne Philippe Hantson Vincent Haufroid Perrine Hoet (coord.) François Huaux Dominique Lison	30h	3 Credits	q2			x
○ WSBIM1211	Methodology of cell and molecular biology	Guido Bommer Jean-François Collet (coord.) Stefan Constantinescu Donatienne Tyteca	22.5h	3 Credits	q2			x
○ WSBIM1206	Du nutriment à l'aliment	Sonia Brichard Jean-Paul Thissen	30h	3 Credits	q1			x
○ WSBIM1220	Neurobiologie	Frédéric Clotman Emmanuel Hermans (coord.) Aleksandar Jankovski	30h	3 Credits	q2			x
○ WSBIM1207	Introduction à la bio-informatique		15h+20h	3 Credits	q2			x

○ Troisième bloc annuel de bachelier

L'étudiant est tenu de suivre les cours suivants :

○ WFARM2139T	Pharmacocinétique, pharmacogénomique et toxicologie (partim toxicologie, 22h)		22h	3 Credits	q1			x
○ WSBIM1320	Introduction aux approches expérimentales de la biologie cellulaire et moléculaire	Luc Bertrand Anne Des Rieux Sandrine Horman Donatienne Tyteca (coord.)	30h	3 Credits	q2			x
○ WSBIM1305	Introduction à la nutrition humaine	Véronique Beauoye Sonia Brichard (coord.)	30h	3 Credits	q1			x
○ WSBIM1323	Neurosciences systémiques	Philippe Gailly Pascal Kienlen-Campard Marcus Missal (coord.)	30h	3 Credits	q1			x
○ WSBIM1322	Bioinformatique		30h+10h	3 Credits	q1			x

○ Minor or additional module (30 credits)

L'étudiant qui ne choisit pas l'approfondissement en sciences biomédicales, choisit une mineure d'ouverture proposée par d'autres programmes, à raison de 15 crédits en BAC2 et 15 crédits en BAC3.

List of available minors

During the bachelor's of Biomedical Sciences, personally selected options will give the student the opportunity to become more familiar with the different branches available at master's level.

Instead of the options, the bachelor's may also include a "minor" which will enable the student to open up new horizons.

- > [Minor in Law \(access\)](#) [en-prog-2021-minadro]
- > [Minor in Antiquity: Egypt, Eastern World, Greece, Rome](#) [en-prog-2021-minanti]
- > [Minor in History of Art and Archeology](#) [en-prog-2021-minarke]
- > [Minor in Chinese studies](#) [en-prog-2021-minchin]
- > [Minor in Information and Communication](#) [en-prog-2021-mincomu]
- > [Minor in Criminology](#) [en-prog-2021-mincrim]
- > [Minor in Culture and Creation](#) [en-prog-2021-mincucreea]
- > [Minor in Scientific Culture](#) [en-prog-2021-mincults]
- > [Minor in Development and Environment](#) [en-prog-2021-mindenv]
- > [Minor in Sustainable Development](#) [en-prog-2021-mindd]
- > [Minor in Economics](#) [en-prog-2021-minecon]
- > [Minor in European Studies](#) [en-prog-2021-mineuro]
- > [Minor in French Studies](#) [en-prog-2021-minfran]
- > [Minor in Gender Studies](#) [en-prog-2021-mingenre]
- > [Minor in Geography](#) [en-prog-2021-mingeog]
- > [Minor in Mangement \(basic knowledge\)](#) [en-prog-2021-minogest]
- > [Minor in History](#) [en-prog-2021-minhist]
- > [Minor in Human and Social Sciences](#) [en-prog-2021-minhuso]
- > [Minor in Arabic language and Islamic civilization](#) [en-prog-2021-minislam]
- > [Minor in Philosophy](#) [en-prog-2021-minfilo]
- > [Minor in Linguistics](#) [en-prog-2021-minling]
- > [Minor in Literary Studies](#) [en-prog-2021-minlitt]
- > [Minor in Medieval Studies](#) [en-prog-2021-minmedi]
- > [Minor in Musicology](#) [en-prog-2021-minmusi]
- > [Minor in Law \(openness\)](#) [en-prog-2021-minodroi]
- > [Minor in Economics \(open\)](#) [en-prog-2021-minoeco]
- > [Minor in Oriental Studies](#) [en-prog-2021-minori]
- > [Minor in Sciences of Religions \(openness\)](#) [en-prog-2021-minreli]
- > [Minor in Sociology and Anthropology](#) [en-prog-2021-minsoca]
- > [Minor in Population and Development Studies](#) [en-prog-2021-minsped]
- > [Minor in Political Sciences](#) [en-prog-2021-minspol]
- > [Minor in Statistics, Actuarial Sciences and Data Sciences](#) [en-prog-2021-minstat]
- > [Minor in numerical technologies and society](#) [en-prog-2021-minstic]
- > [Minor in Christian Theology](#) [en-prog-2021-mintheo]
- > [Minor in Medication Sciences](#) [en-prog-2021-minfarm]
- > [Additional module in Biomedical Sciences](#) [en-prog-2021-appsbim]

Course prerequisites

The **table** below lists the activities (course units, or CUs) for which there are one or more prerequisites within the programme, i.e. the programme CU for which the learning outcomes must be certified and the corresponding credits awarded by the jury before registering for that CU.

These activities are also identified in the **detailed programme**: their title is followed by a yellow square.

Prerequisites and student's annual programme

As the prerequisite is for CU registration purposes only, there are no prerequisites within a programme year. Prerequisites are defined between CUs of different years and therefore influence the order in which the student will be able to register for the programme's CUs.

In addition, when the jury validates a student's individual programme at the beginning of the year, it ensures its coherence, meaning that it may:

- transform a prerequisite into a corequisite within the same year (to enable the student to continue his or her studies with a sufficient annual course load)
- require the student to combine registration in two separate CUs which it considers necessary from a pedagogical point of view.

For more information, please consult the [Academic Regulations and Procedures](#).

Prerequisites list

- LANGL1855** "Anglais médical" has prerequisite(s) LANGL1854
- LANGL1854 - Medical English
- LANGL2454** "Anglais pour étudiants en sciences biomédicales" has prerequisite(s) LANGL1854 ET LANGL1855
- LANGL1854 - Medical English
 - LANGL1855 - Medical English
- WANAT1110** "Embryologie" has prerequisite(s) WMD1120 ET WFARM1009 ET WMD1006
- WMD1120 - Biologie générale et approche expérimentale de la biologie
 - WFARM1009 - Elements of general and functional anatomy
 - WMD1006 - Cytology and general histology
- WFARM1202** "Eléments d'épidémiologie appliquée aux sciences pharmaceutiques et biomédicales" has prerequisite(s) WSBIM1001 ET LANGL1854 ET WFARM1247 ET LANGL1855
- WSBIM1001 - MATHEMATICAL METHODS IN BIOMEDICAL SCIENCES
 - LANGL1854 - Medical English
 - WFARM1247 - Traitement statistique des données
 - LANGL1855 - Medical English
- WFARM1213S** "Physiologie des systèmes et éléments de physiopathologie - (partim SBIM)" has prerequisite(s) WMD1120 ET WFARM1009 ET WMD1006
- WMD1120 - Biologie générale et approche expérimentale de la biologie
 - WFARM1009 - Elements of general and functional anatomy
 - WMD1006 - Cytology and general histology
- WFARM1221S** "Biochimie et biologie moléculaire (partim biochimie)" has prerequisite(s) WMD1120 ET WMD1105 ET WMD1106
- WMD1120 - Biologie générale et approche expérimentale de la biologie
 - WMD1105 - Chimie générale et minérale
 - WMD1106 - ORGANIC CHEMISTRY
- WFARM1247** "Traitement statistique des données" has prerequisite(s) WSBIM1001
- WSBIM1001 - MATHEMATICAL METHODS IN BIOMEDICAL SCIENCES
- WFARM1282** "Microbiologie générale" has prerequisite(s) WMD1120 ET WMD1106
- WMD1120 - Biologie générale et approche expérimentale de la biologie
 - WMD1106 - ORGANIC CHEMISTRY
- WFARM1305** "Eléments de pathologie humaine" has prerequisite(s) WFARM1009 ET WMD1006 ET WSBIM1203
- WFARM1009 - Elements of general and functional anatomy
 - WMD1006 - Cytology and general histology
 - WSBIM1203 - Histologie spéciale et hématologie
- WFARM2139T** "Pharmacocinétique, pharmacogénomique et toxicologie (partim toxicologie, 22h)" has prerequisite(s) WMD1120 ET WMD1105 ET WMD1106 ET WFARM1221S ET WSBIM1201T ET WSBIM1205
- WMD1120 - Biologie générale et approche expérimentale de la biologie
 - WMD1105 - Chimie générale et minérale
 - WMD1106 - ORGANIC CHEMISTRY
 - WFARM1221S - Biochimie et biologie moléculaire (partim biochimie)
 - WSBIM1201T - Physiologie générale (partim théorie, 40h)
 - WSBIM1205 - Introduction à la toxicologie
- WFARM2177** "Biostatistique" has prerequisite(s) WSBIM1001 ET WFARM1247
- WSBIM1001 - MATHEMATICAL METHODS IN BIOMEDICAL SCIENCES
 - WFARM1247 - Traitement statistique des données
- WMDS1229** "Génétique humaine" has prerequisite(s) WMD1120 ET WMD1106 ET WFARM1221S ET WSBIM1226 ET WMDS1230 ET WFARM1247

- WMD1120 - Biologie générale et approche expérimentale de la biologie
 - WMD1106 - ORGANIC CHEMISTRY
 - WFARM1221S - Biochimie et biologie moléculaire (partim biochimie)
 - WSBIM1226 - Biologie moléculaire (dont l'épigénétique) et travaux dirigés
 - WMDS1230 - Biologie cellulaire médicale et expérimentale
 - WFARM1247 - Traitement statistique des données
- WMDS1230** "Biologie cellulaire médicale et expérimentale" has prerequisite(s) WMD1120 ET WMD1006
- WMD1120 - Biologie générale et approche expérimentale de la biologie
 - WMD1006 - Cytology and general histology
- WMDS1231** "Biochimie humaine pathologique" has prerequisite(s) WMD1120 ET WMD1106 ET WFARM1221S ET WSBIM1227 ET WFARM1282 ET WFARM1247 ET WSBIM1201T
- WMD1120 - Biologie générale et approche expérimentale de la biologie
 - WMD1106 - ORGANIC CHEMISTRY
 - WFARM1221S - Biochimie et biologie moléculaire (partim biochimie)
 - WSBIM1227 - Biologie moléculaire et biochimie intégrée
 - WFARM1282 - General microbiology
 - WFARM1247 - Traitement statistique des données
 - WSBIM1201T - Physiologie générale (partim théorie, 40h)
- WPHAR1300** "Pharmacologie 1re partie" has prerequisite(s) WMD1120 ET WMD1006 ET WSBIM1001 ET WSBIM1201T ET WSBIM1201P
- WMD1120 - Biologie générale et approche expérimentale de la biologie
 - WMD1006 - Cytology and general histology
 - WSBIM1001 - MATHEMATICAL METHODS IN BIOMEDICAL SCIENCES
 - WSBIM1201T - Physiologie générale (partim théorie, 40h)
 - WSBIM1201P - Physiologie générale (partie travaux pratiques, 25h)
- WSBIM1200** "Analyse instrumentale biomédicale et radioprotection" has prerequisite(s) WSBIM1001 ET WMD1105 ET WMD1106
- WSBIM1001 - MATHEMATICAL METHODS IN BIOMEDICAL SCIENCES
 - WMD1105 - Chimie générale et minérale
 - WMD1106 - ORGANIC CHEMISTRY
- WSBIM1201P** "Physiologie générale (partie travaux pratiques, 25h)" has prerequisite(s) WMD1006 ET WMD1102 ET WMD1104 ET WMD1105
- WMD1006 - Cytology and general histology
 - WMD1102 - Physique expérimentale et introduction mathématique aux sciences expérimentales (1e partie)
 - WMD1104 - Physique expérimentale et introduction mathématique aux sciences expérimentales (2e partie)
 - WMD1105 - Chimie générale et minérale
- WSBIM1201T** "Physiologie générale (partim théorie, 40h)" has prerequisite(s) WMD1006 ET WMD1102 ET WMD1104 ET WMD1105
- WMD1006 - Cytology and general histology
 - WMD1102 - Physique expérimentale et introduction mathématique aux sciences expérimentales (1e partie)
 - WMD1104 - Physique expérimentale et introduction mathématique aux sciences expérimentales (2e partie)
 - WMD1105 - Chimie générale et minérale
- WSBIM1203** "Histologie spéciale et hématologie" has prerequisite(s) WFARM1009 ET WMD1006
- WFARM1009 - Elements of general and functional anatomy
 - WMD1006 - Cytology and general histology
- WSBIM1204** "Atelier d'histologie et d'anatomie pathologique" has prerequisite(s) WFARM1009 ET WMD1006
- WFARM1009 - Elements of general and functional anatomy
 - WMD1006 - Cytology and general histology
- WSBIM1205** "Introduction à la toxicologie" has prerequisite(s) WMD1120 ET WMD1105 ET WMD1106
- WMD1120 - Biologie générale et approche expérimentale de la biologie
 - WMD1105 - Chimie générale et minérale
 - WMD1106 - ORGANIC CHEMISTRY
- WSBIM1206** "Du nutriment à l'aliment" has prerequisite(s) WFARM1009 ET WMD1006 ET WMD1105 ET WMD1106
- WFARM1009 - Elements of general and functional anatomy
 - WMD1006 - Cytology and general histology
 - WMD1105 - Chimie générale et minérale
 - WMD1106 - ORGANIC CHEMISTRY
- WSBIM1207** "Introduction à la bio-informatique" has prerequisite(s) WSBIM1001
- WSBIM1001 - MATHEMATICAL METHODS IN BIOMEDICAL SCIENCES
- WSBIM1211** "Méthodologie de la biologie cellulaire et moléculaire" has prerequisite(s) WMD1120 ET WSBIM1001 ET WMD1105
- WMD1120 - Biologie générale et approche expérimentale de la biologie
 - WSBIM1001 - MATHEMATICAL METHODS IN BIOMEDICAL SCIENCES
 - WMD1105 - Chimie générale et minérale
- WSBIM1220** "Neurobiologie" has prerequisite(s) WMD1120 ET WFARM1009 ET WMD1006
- WMD1120 - Biologie générale et approche expérimentale de la biologie
 - WFARM1009 - Elements of general and functional anatomy
 - WMD1006 - Cytology and general histology
- WSBIM1226** "Biologie moléculaire (dont l'épigénétique) et travaux dirigés" has prerequisite(s) WMD1120 ET WMD1006 ET WMD1106

- WMD1120 - [Biologie générale et approche expérimentale de la biologie](#)
 - WMD1006 - [Cytology and general histology](#)
 - WMD1106 - [ORGANIC CHEMISTRY](#)
- WSBIM1227** "[Biologie moléculaire et biochimie intégrée](#)" has prerequisite(s) WMD1006 ET WSBIM1001 ET WMD1106
- WMD1006 - [Cytology and general histology](#)
 - WSBIM1001 - [MATHEMATICAL METHODS IN BIOMEDICAL SCIENCES](#)
 - WMD1106 - [ORGANIC CHEMISTRY](#)
- WSBIM1293** "[Stage de biologie cellulaire](#)" has prerequisite(s) WMD1120 ET WSBIM1001
- WMD1120 - [Biologie générale et approche expérimentale de la biologie](#)
 - WSBIM1001 - [MATHEMATICAL METHODS IN BIOMEDICAL SCIENCES](#)
- WSBIM1302** "[Virologie moléculaire](#)" has prerequisite(s) WMD1120 ET WMD1106 ET WSBIM1227 ET WFARM1282
- WMD1120 - [Biologie générale et approche expérimentale de la biologie](#)
 - WMD1106 - [ORGANIC CHEMISTRY](#)
 - WSBIM1227 - [Biologie moléculaire et biochimie intégrée](#)
 - WFARM1282 - [General microbiology](#)
- WSBIM1303P** "[Ateliers de stratégie expérimentale en biologie cellulaire et moléculaire \(pratique\)](#)" has prerequisite(s) WMD1120 ET WMD1106 ET WFARM1221S ET WSBIM1226 ET WSBIM1227 ET WMDS1230 ET WSBIM1293 ET WFARM1247 ET WSBIM1201T ET WSBIM1201P
- WMD1120 - [Biologie générale et approche expérimentale de la biologie](#)
 - WMD1106 - [ORGANIC CHEMISTRY](#)
 - WFARM1221S - [Biochimie et biologie moléculaire \(partim biochimie\)](#)
 - WSBIM1226 - [Biologie moléculaire \(dont l'épigénétique\) et travaux dirigés](#)
 - WSBIM1227 - [Biologie moléculaire et biochimie intégrée](#)
 - WMDS1230 - [Biologie cellulaire médicale et expérimentale](#)
 - WSBIM1293 - [Training course in cell biology](#)
 - WFARM1247 - [Traitement statistique des données](#)
 - WSBIM1201T - [Physiologie générale \(partim théorie, 40h\)](#)
 - WSBIM1201P - [Physiologie générale \(partie travaux pratiques, 25h\)](#)
- WSBIM1303T** "[Ateliers de stratégie expérimentale en biologie cellulaire et moléculaire \(théorie\)](#)" has prerequisite(s) WMD1120 ET WMD1106 ET WFARM1221S ET WSBIM1226 ET WSBIM1227 ET WMDS1230 ET WSBIM1293 ET WFARM1247 ET WSBIM1201T ET WSBIM1201P
- WMD1120 - [Biologie générale et approche expérimentale de la biologie](#)
 - WMD1106 - [ORGANIC CHEMISTRY](#)
 - WFARM1221S - [Biochimie et biologie moléculaire \(partim biochimie\)](#)
 - WSBIM1226 - [Biologie moléculaire \(dont l'épigénétique\) et travaux dirigés](#)
 - WSBIM1227 - [Biologie moléculaire et biochimie intégrée](#)
 - WMDS1230 - [Biologie cellulaire médicale et expérimentale](#)
 - WSBIM1293 - [Training course in cell biology](#)
 - WFARM1247 - [Traitement statistique des données](#)
 - WSBIM1201T - [Physiologie générale \(partim théorie, 40h\)](#)
 - WSBIM1201P - [Physiologie générale \(partie travaux pratiques, 25h\)](#)
- WSBIM1305** "[Introduction à la nutrition humaine](#)" has prerequisite(s) WMD1120 ET WMD1105 ET WMD1106 ET WFARM1221S ET WSBIM1206
- WMD1120 - [Biologie générale et approche expérimentale de la biologie](#)
 - WMD1105 - [Chimie générale et minérale](#)
 - WMD1106 - [ORGANIC CHEMISTRY](#)
 - WFARM1221S - [Biochimie et biologie moléculaire \(partim biochimie\)](#)
 - WSBIM1206 - [Du nutriment à l'aliment](#)
- WSBIM1320** "[Introduction aux approches expérimentales de la biologie cellulaire et moléculaire](#)" has prerequisite(s) WMD1120 ET LANGL1854 ET WSBIM1226 ET WSBIM1227 ET WMDS1230 ET WSBIM1211 ET LANGL1855
- WMD1120 - [Biologie générale et approche expérimentale de la biologie](#)
 - LANGL1854 - [Medical English](#)
 - WSBIM1226 - [Biologie moléculaire \(dont l'épigénétique\) et travaux dirigés](#)
 - WSBIM1227 - [Biologie moléculaire et biochimie intégrée](#)
 - WMDS1230 - [Biologie cellulaire médicale et expérimentale](#)
 - WSBIM1211 - [Methodology of cell and molecular biology](#)
 - LANGL1855 - [Medical English](#)
- WSBIM1322** "[Bioinformatique](#)" has prerequisite(s) WSBIM1001 ET WFARM1247 ET WSBIM1207
- WSBIM1001 - [MATHEMATICAL METHODS IN BIOMEDICAL SCIENCES](#)
 - WFARM1247 - [Traitement statistique des données](#)
 - WSBIM1207 - [Introduction à la bio-informatique](#)
- WSBIM1323** "[Neurosciences systémiques](#)" has prerequisite(s) WMD1120 ET WMD1006 ET WSBIM1201T ET WSBIM1201P ET WSBIM1220
- WMD1120 - [Biologie générale et approche expérimentale de la biologie](#)
 - WMD1006 - [Cytology and general histology](#)
 - WSBIM1201T - [Physiologie générale \(partim théorie, 40h\)](#)
 - WSBIM1201P - [Physiologie générale \(partie travaux pratiques, 25h\)](#)
 - WSBIM1220 - [Neurobiologie](#)
- WSBIM1334** "[Immunologie générale](#)" has prerequisite(s) WMD1120 ET WMD1006 ET WFARM1221S ET WSBIM1226 ET WSBIM1227 ET WMDS1230 ET WFARM1282

- WMD1120 - [Biologie générale et approche expérimentale de la biologie](#)
- WMD1006 - [Cytology and general histology](#)
- WFARM1221S - [Biochimie et biologie moléculaire \(partim biochimie\)](#)
- WSBIM1226 - [Biologie moléculaire \(dont l'épigénétique\) et travaux dirigés](#)
- WSBIM1227 - [Biologie moléculaire et biochimie intégrée](#)
- WMDS1230 - [Biologie cellulaire médicale et expérimentale](#)
- WFARM1282 - [General microbiology](#)

WSBIM1382 "[Génétique et biotechnologie appliquée](#)" has prerequisite(s) WMD1120 ET WMD1106 ET WFARM1221S ET WSBIM1226 ET WSBIM1227 ET WMDS1230 ET WFARM1282

- WMD1120 - [Biologie générale et approche expérimentale de la biologie](#)
- WMD1106 - [ORGANIC CHEMISTRY](#)
- WFARM1221S - [Biochimie et biologie moléculaire \(partim biochimie\)](#)
- WSBIM1226 - [Biologie moléculaire \(dont l'épigénétique\) et travaux dirigés](#)
- WSBIM1227 - [Biologie moléculaire et biochimie intégrée](#)
- WMDS1230 - [Biologie cellulaire médicale et expérimentale](#)
- WFARM1282 - [General microbiology](#)

WSBIM1393 "[Stage en laboratoire](#)" has prerequisite(s) WMD1120 ET WMD1006 ET WSBIM1001 ET WMD1106 ET WFARM1221S ET WSBIM1226 ET WSBIM1227 ET WMDS1230 ET WSBIM1293 ET WSBIM1201T ET WSBIM1201P

- WMD1120 - [Biologie générale et approche expérimentale de la biologie](#)
- WMD1006 - [Cytology and general histology](#)
- WSBIM1001 - [MATHEMATICAL METHODS IN BIOMEDICAL SCIENCES](#)
- WMD1106 - [ORGANIC CHEMISTRY](#)
- WFARM1221S - [Biochimie et biologie moléculaire \(partim biochimie\)](#)
- WSBIM1226 - [Biologie moléculaire \(dont l'épigénétique\) et travaux dirigés](#)
- WSBIM1227 - [Biologie moléculaire et biochimie intégrée](#)
- WMDS1230 - [Biologie cellulaire médicale et expérimentale](#)
- WSBIM1293 - [Training course in cell biology](#)
- WSBIM1201T - [Physiologie générale \(partim théorie, 40h\)](#)
- WSBIM1201P - [Physiologie générale \(partie travaux pratiques, 25h\)](#)

The programme's courses and learning outcomes

For each UCLouvain training programme, a [reference framework of learning outcomes](#) specifies the the skills expected of every graduate on completion of the programme. Course unit descriptions specify targeted learning outcomes, as well as the unit's contribution to reference framework of learning outcomes.

Programme type

SBIM1BA - 1ST ANNUAL UNIT

● Mandatory

△ Courses not taught during 2021-2022

⊕ Periodic courses taught during 2021-2022

⊗ Optional

⊖ Periodic courses not taught during 2021-2022

■ Activity with requisites

Click on the course title to see detailed informations (objectives, methods, evaluation...)

o Majeure

o Des atomes, des molécules et des systèmes qui les régissent

● WMD1102	Physique expérimentale et introduction mathématique aux sciences expérimentales (1e partie)	Michel Herquet Geoffroy Piroux	60h+21h	8 Credits	q1
● WMD1104	Physique expérimentale et introduction mathématique aux sciences expérimentales (2e partie)	Fabio Maltoni	30h+21h	5 Credits	q2
● WSBIM1001	MATHEMATICAL METHODS IN BIOMEDICAL SCIENCES	Pierre Bieliavsky Annie Robert	45h+20h	5 Credits	q2
● WMD1105	Chimie générale et minérale	Mark Rider (coord.) Alexandru Vlad	60h+30h	9 Credits	q1
● WMD1106	ORGANIC CHEMISTRY	Olivier Riant Michael Singleton	60h+30h	9 Credits	q2

o De la cellule à l'être humain

○ WMD1120	Biologie générale et approche expérimentale de la biologie	Charles De Smet Jean Baptiste Demoulin (coord.) Pascal Kienlen-Campard	75h+25h	10 Credits	q1
○ WMD1006	Cytology and general histology	Christophe Pierreux	10h+40h	5 Credits	q2
○ WFARM1009	Elements of general and functional anatomy	Christine Galant (coord.) Catherine Hubert Alain Poncelet	30h	3 Credits	q2

o L'homme et la société : approche contextuelle

○ WFARM1160	Philosophy		30h	3 Credits	q1
○ LANGL1854	Medical English	Aurélié Deneumoustier Ariane Halleux Carlo Lefevre (coord.)	30h	3 Credits	q2

SBIM1BA - 2ND ANNUAL UNIT

○ Mandatory

△ Courses not taught during 2021-2022

⊕ Periodic courses taught during 2021-2022

⊗ Optional

⊖ Periodic courses not taught during 2021-2022

■ Activity with requisites

Click on the course title to see detailed informations (objectives, methods, evaluation...)

o Majeure**o Des atomes, des molécules et des systèmes qui les régissent**

○ WFARM1221S	Biochimie et biologie moléculaire (partim biochimie) ■		50h+10h	6 Credits	q1
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o De la cellule à l'être humain

○ WSBIM1226	Biologie moléculaire (dont l'épigénétique) et travaux dirigés ■	Charles De Smet Frédéric Lemaigre Thomas Michiels (coord.)	30h+10h	3 Credits	q1
○ WSBIM1227	Biologie moléculaire et biochimie intégrée ■	Luc Bertrand	20h+30h	3 Credits	q2
○ WMDS1230	Biologie cellulaire médicale et expérimentale ■	Stefan Constantinescu (coord.) Christophe Pierreux Donatienne Tyteca	30h+20h	4 Credits	q1
○ WSBIM1201T	Physiologie générale (partim théorie, 40h) ■		40h	4 Credits	q1
○ WSBIM1201P	Physiologie générale (partie travaux pratiques, 25h) ■		0h+25h	2 Credits	q1
○ WSBIM1203	Histologie spéciale et hématologie ■	Etienne Marbaix (coord.) Christophe Pierreux	15h+15h	3 Credits	q1
○ WFARM1282	General microbiology ■	Thomas Michiels	20h+15h	3 Credits	q1
○ WSBIM1200	Analyse instrumentale biomédicale et radioprotection ■	Giulio Muccioli	30h+30h	4 Credits	q1
○ WFARM1213S	Human physiology and basics of physiopathology - (Partim SBIM) ■		50h	5 Credits	q2
○ WSBIM1293	Training course in cell biology ■	Nicolas Dauguet Laure Dumoutier (coord.)	30h	2 Credits	q2

o L'homme et la société : approche contextuelle

○ WFARM1247	Traitement statistique des données ■	Eugen Pircalabelu	15h+15h	3 Credits	q2
○ LANGL1855	Medical English ■	Timothy Byrne (coord.) Auréli Deneumoustier Carlo Lefevre (coord.)	30h	3 Credits	q1 or q2

⊗ Additional module in Biomedical Sciences

Programme pour les étudiants qui ont choisit l'approfondissement en sciences biomédicales

o Deuxième bloc annuel de bachelier

L'étudiant est tenu de suivre les cours suivants :

○ WSBIM1205	Introduction à la toxicologie ■	Nathalie Delzenne Philippe Hantson Vincent Haufroid Perrine Hoet (coord.) François Huaux Dominique Lison	30h	3 Credits	q2
○ WSBIM1211	Methodology of cell and molecular biology ■	Guido Bommer Jean-François Collet (coord.) Stefan Constantinescu Donatienne Tyteca	22.5h	3 Credits	q2
○ WSBIM1206	Du nutriment à l'aliment ■	Sonia Brichard Jean-Paul Thissen	30h	3 Credits	q1
○ WSBIM1220	Neurobiologie ■	Frédéric Clotman Emmanuel Hermans (coord.) Aleksandar Jankovski	30h	3 Credits	q2
○ WSBIM1207	Introduction à la bio-informatique ■		15h+20h	3 Credits	q2

SBIM1BA - 3RD ANNUAL UNIT

○ Mandatory

△ Courses not taught during 2021-2022

⊕ Periodic courses taught during 2021-2022

⊗ Optional

⊖ Periodic courses not taught during 2021-2022

■ Activity with requisites

Click on the course title to see detailed informations (objectives, methods, evaluation...)

o Majeure**o Des atomes, des molécules et des systèmes qui les régissent**

○ WPHAR1300	Pharmacologie 1re partie ■	Emmanuel Hermans Marie-Paule Mingeot	30h+7.5h	3 Credits	q1
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o De la cellule à l'être humain

○ WANAT1110	Human embryology ■	Frédéric Clotman Charles De Smet (coord.) Christophe Pierreux	30h	3 Credits	q2
○ WSBIM1204	Atelier d'histologie et d'anatomie pathologique ■	Yves Guiot Etienne Marbaix (coord.) Christophe Pierreux	30h	2 Credits	q2
○ WMDS1231	Biochimie humaine pathologique ■	Jean-François Collet Frédéric Lemaigre (coord.)	30h	3 Credits	q2
○ WMDS1229	Génétique humaine ■	Miikka Vikkula	20h	2 Credits	q2
○ WSBIM1334	Immunologie générale ■	Pierre Coulie (coord.) Isabelle Leclercq Julian Leprince Sophie Lucas Jean-Christophe Renaud Benoît Van Den Eynde	65h	6 Credits	q1
○ WSBIM1382	Génétique et biotechnologie appliquée ■	Luc Bertrand (coord.) Laure Dumoutier Géraldine Laloux Nisha Limaye	30h	3 Credits	q1
○ WSBIM1302	Molecular Virology ■	Thomas Michiels	25h	3 Credits	q1
○ WFARM1305	Elements of General Pathology ■	Mélanie Dechamps Olivier Feron (coord.)	30h	3 Credits	q2
○ WSBIM1303P	Ateliers de stratégie expérimentale en biologie cellulaire et moléculaire (pratique) ■		30h	3 Credits	q2
○ WSBIM1303T	Ateliers de stratégie expérimentale en biologie cellulaire et moléculaire (théorie) ■		30h	3 Credits	q1

o L'homme et la société : approche contextuelle

○ WFARM1202	Eléments d'épidémiologie appliquée aux sciences pharmaceutiques et biomédicales ■	Séverine Henrard	20h	2 Credits	q2
○ WFARM2177	Biostatistics ■	Laure Elens	20h+10h	3 Credits	q2
○ LANGL2454	English for biomedical students ■	Nicholas Gibbs Nevin Serbest (coord.)	30h	3 Credits	q2

o Stage en laboratoire

○ WSBIM1393	Stage en laboratoire ■	Pascal Kienlen-Campard	30h	3 Credits	q2
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⊗ Additionnal module in Biomedical Sciences

Programme pour les étudiants qui ont choisit l'approfondissement en sciences biomédicales

o Troisième bloc annuel de bachelier

L'étudiant est tenu de suivre les cours suivants :

○ WFARM2139T	Pharmacocinétique, pharmacogénomique et toxicologie (partim toxicologie, 22h) ■		22h	3 Credits	q1
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○ WSBIM1320	Introduction aux approches expérimentales de la biologie cellulaire et moléculaire 📄	Luc Bertrand Anne Des Rieux Sandrine Horman Donatienne Tyteca (coord.)	30h	3 Credits	q2
○ WSBIM1305	Introduction à la nutrition humaine 📄	Véronique Beauloye Sonia Brichard (coord.)	30h	3 Credits	q1
○ WSBIM1323	Neurosciences systémiques 📄	Philippe Gailly Pascal Kienlen-Campard Marcus Missal (coord.)	30h	3 Credits	q1
○ WSBIM1322	Bioinformatique 📄		30h+10h	3 Credits	q1

SBIM1BA - Information

Access Requirements

Decree of 7 November 2013 defining the landscape of higher education and the academic organization of studies.

The admission requirements must be met prior to enrolment in the University.

In the event of the divergence between the different linguistic versions of the present conditions, the French version shall prevail.

SUMMARY

- [General access requirements](#)
- [Specific access requirements](#)
- [Access based on validation of professional experience](#)
- [Special requirements to access some programmes](#)

General access requirements

Except as otherwise provided by other specific legal provisions, admission to undergraduate courses leading to the award of a Bachelor's degree will be granted to students with one of the following qualifications :

1. A Certificate of Upper Secondary Education issued during or after the 1993-1994 academic year by an establishment offering full-time secondary education or an adult education centre in the French Community of Belgium and, as the case may be, approved if it was issued by an educational institution before 1 January 2008 or affixed with the seal of the French Community if it was issued after this date, or an equivalent certificate awarded by the Examination Board of the French Community during or after 1994;
2. A Certificate of Upper Secondary Education issued no later than the end of the 1992-1993 academic year, along with official documentation attesting to the student's ability to pursue higher education for students applying for a full-length undergraduate degree programme;
3. A diploma awarded by a higher education institution within the French Community that confers an academic degree issued under the above-mentioned Decree, or a diploma awarded by a university or institution dispensing full-time higher education in accordance with earlier legislation;
4. A higher education certificate or diploma awarded by an adult education centre;
5. A pass certificate for one of the [entrance examinations](#) organized by higher education institutions or by an examination board of the French Community; this document gives admission to studies in the sectors, fields or programmes indicated therein;
6. A diploma, certificate of studies or other qualification similar to those mentioned above, issued by the Flemish Community of Belgium, the German Community of Belgium or the Royal Military Academy;
7. A diploma, certificate of studies or other qualification obtained abroad and deemed equivalent to the first four mentioned above by virtue of a law, decree, European directive or international convention;

Note:

Requests for equivalence must be submitted to the Equivalence department ([Service des équivalences](#)) of the Ministry of Higher Education and Scientific Research of the French Community of Belgium in compliance with the official deadline.

The following two qualifications are automatically deemed equivalent to the Certificate of Upper Secondary Education (Certificat d'enseignement secondaire supérieur – CESS):

- European Baccalaureate issued by the Board of Governors of a European School,
- International Baccalaureate issued by the International Baccalaureate Office in Geneva.

8. Official documentation attesting to a student's ability to pursue higher education (diplôme d'aptitude à accéder à l'enseignement supérieur - DAES), issued by the Examination Board of the French Community.

Specific access requirements

- To be eligible to apply to a bachelor's programme, holder of a non-belgian degree who do not have Belgian student status must also:
 - have earned a secondary school degree within the last three years;
 - not already hold a bachelor's degree; and,
- Candidates, whatever their nationality, with a secondary school diploma from a country outside the European Union, must have obtained an average of 13/20 minimum or, failing that, have obtained this average, have passed one year of study in Belgium (for example special Maths / sciences).
- For any secondary school diploma **from a European Union country**, the admission request must contain the equivalence of your diploma or, at the very least, proof of the filing of the equivalence request with the Wallonia-Brussels Federation (French Community of Belgium). For any information relating to obtaining an equivalence, please refer to [the following site](#).

- Not to have obtained a secondary education diploma for more than 3 years maximum. Example: for an admission application for the academic year 2021-2022, you must have obtained your diploma during the academic years 2018-2019, 2019-2020 or 2020-2021. In the French Community of Belgium, the academic year runs from September 14 to September 13.[L_information/2021/common-bachelor/](#)

Access based on validation of professional experience

Admission to undergraduate studies on the basis of accreditation of knowledge and skills obtained through professional or personal experience (Accreditation of Prior Experience)

Subject to the general requirements laid down by the authorities of the higher education institution, with the aim of admission to the undergraduate programme, the examination boards accredit the knowledge and skills that students have obtained through their professional or personal experience.

This experience must correspond to at least five years of documented activity, with years spent in higher education being partially taken into account: 60 credits are deemed equivalent to one year of experience, with a maximum of two years being counted. At the end of an assessment procedure organized by the authorities of the higher education institution, the Examination Board will decide whether a student has sufficient skills and knowledge to successfully pursue undergraduate studies.

After this assessment, the Examination Board will determine the additional courses and possible exemptions constituting the supplementary requirements for the student's admission.

Special requirements to access some programmes

- Admission to **undergraduate studies in engineering: civil engineering and architect**

Pass certificate for the [special entrance examination for undergraduate studies in engineering: civil engineering and architect](#).

Admission to these courses is always subject to students passing the special entrance examination. Contact the faculty office for the programme content and the examination arrangements.

- Admission to **undergraduate studies in veterinary medicine**

[Admission to undergraduate studies in veterinary medicine is governed by the Decree of 16 June 2006 regulating the number of students in certain higher education undergraduate courses \(non-residents\)](#).

- Admission to **undergraduate studies in physiotherapy and rehabilitation**

[Admission to undergraduate studies in physiotherapy and rehabilitation is governed by the Decree of 16 June 2006 regulating the number of students in certain higher education undergraduate courses \(non-residents\)](#).

- Admission to **undergraduate studies in psychology and education: speech and language therapy**

[Admission to undergraduate studies in psychology and education: speech and language therapy is governed by the Decree of 16 June 2006 regulating the number of students in certain higher education undergraduate courses \(non-residents\)](#).

- Admission to **undergraduate studies in medicine and dental science**

[Admission to undergraduate studies in medicine and dental science is governed by the Decree of 16 June 2006 regulating the number of students in certain higher education undergraduate courses \(non-residents\)](#).

Note: students wishing to enrol for a **Bachelor's degree in Medicine** or a **Bachelor's degree in dental science** must first sit [an aptitude test \(fr\)](#).

Teaching method

Throughout the Bachelor in Biomedicine programme, students encounter a variety of teaching methods: classroom lectures, tutoring, mentoring and practical laboratory work.

The substantial amount of laboratory work was introduced to enable learning in research through experimentation. It is also identified in the programme in relation to classroom lectures.

Evaluation

The evaluation methods comply with the [regulations concerning studies and exams](#). More detailed explanation of the modalities specific to each learning unit are available on their description sheets under the heading "Learning outcomes evaluation method".

The educational activities are evaluated by written or oral exams, according to the rules in force at the University (see Exam Regulations). Examination sessions are organised on completion of training periods (January, June) and in September. The practical work is subject to ongoing assessment.

Mobility and/or Internationalisation outlook

Aucune mobilité d'étudiant n'est prévue au cours du 1er cycle des études de sciences biomédicales.

Possible trainings at the end of the programme

Positioning of the programme within the University cursus

The bachelor's degree entitles access to the master's of Biomedical Sciences which comprises four sections : Applied Biomedical Sciences, Clinical Biomedical Sciences, Human Nutrition and Toxicology.

Furthermore, there is sufficient homogeneity within the programmes offered by the different schools of the Faculty of Medicine (MED, FARM, DENT, SBIM, IEPR) to make re-orientation possible during the bachelor's studies by means of additional complementary courses.

Other studies accessible upon completion of the programme

Other masters offered by the Faculty of Medicine, as well as certain programmes in the Faculty of Sciences, may be accessible, subject to certain prerequisites.

Contacts

Curriculum Management

Entity

Structure entity

Denomination

Faculty

Sector

Acronym

Postal address

SSS/FASB/SBIM

[\(SBIM\)](#)

Faculty of Pharmacy and Biomedical Sciences ([FASB](#))

Health Sciences ([SSS](#))

SBIM

Avenue Mounier 73 - bte B1.73.04

1200 Woluwe-Saint-Lambert

Tel: [+32 \(0\)2 764 73 62](tel:+3227647362) - Fax: [+32 \(0\)2 764 73 63](tel:+3227647363)

Academic supervisor: [Jean-Noël Octave](#)

Jury

- Président de jury de cycle de bachelier (y compris la première): [Pascal Kienlen-Campard](#)
- Secrétaire de jury de cycle de bachelier (y compris la première): [Jean Baptiste Demoulin](#)

Useful Contact(s)

- Personne de contact de la 1re année de bachelier: [Fabienne Titeux](#)
- Personne de contact du cycle de bachelier (hors première): [Guillaume Arnould](#)
- Président de la commission d'enseignement de l'école de sciences biomédicales: [Jean-Noël Octave](#)
- Conseiller aux études: [Luc Bertrand](#)

- Responsable administrative de la faculté de pharmacie et de sciences biomédicales: [Delphine Delhaye](#)

