UCLouvain

SBIM1BA

2020 - 2021

Bachelor in Biomedicine

At Bruxelles Woluwe - 180 credits - 3 years - Day schedule - In French
Dissertation/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

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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 Detailled programme

Programme by subject

						Year 1	2	3
Majeure (150 credits)								
Des atomes, des molécules et des systèmes qui les régissent								
WMD1102	Physique expérimentale et introduction mathématique aux sciences expérimentales (1e partie)	Eduardo Cortina Gil	60h+21h	8 Credits	q1	x		
WMD1104	Physique expérimentale et introduction mathématique aux sciences expérimentales (2e partie)	Michel Herquet (compensates 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 Mingeot	30h+7.5h	3 Credits	q1			x
WFARM1221S	Biochimie et biologie moléculaire (partim biochimie)	Nathalie Delzenne (coord.)	50h+10h	6 Credits	q1		x	
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		

						Year 1	2	3
WFARM1009	Elements of general and functional anatomy	Christine Galant (coord.) Pierre Gianello Alain Poncelet	30h	3 Credits	q2	x		
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	Jean-Noël Octave	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)	Olivier Feron Patrick Gilon (coord.)	40h	4 Credits	q1		x	
WSBIM1201P	Physiologie générale (partie travaux pratiques, 25h)	Olivier Feron Patrick Gilon (coord.)	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)	Olivier Feron (coord.)	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 Renauld Benoît Van Den Eynde	65h	6 Credits	q1			x
WSBIM1382	Génétique et biotechnologie appliquée	Jean-Noël Octave	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)	Pascal Kienlen-Campard (coord.)	30h	3 Credits	q2			x
WSBIM1303T	Ateliers de stratégie expérimentale en biologie cellulaire et moléculaire (théorie)	Pascal Kienlen-Campard (coord.)	30h	3 Credits	q1			x

L'homme et la société : approche contextuelle

WFARM1247	Traitement statistique des données	Eugen Pircalabelu	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	Fabio Bruschi (compensates Mylene Botbol)	30h	3 Credits	q1	x		

						Year 1	2	3
LANGL1854	Medical English	Aurélie Deneumoustier Charlotte Diaz (compensates Ariane Halleux) Carlo Lefevre (coord.) Laura Lievens (compensates Ariane Halleux) Lucille Meyers	30h	3 Credits	q2	x		
LANGL1855	Medical English	Timothy Byrne (coord.) Aurélie Deneumoustier Carlo Lefevre (coord.) Mark Theodore Pertuit	30h	3 Credits	q1 or q2		x	
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

Additionnal 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 François Huaux Dominique Lison (coord.) Pierre Wallemacq	30h	3 Credits	q2		x	
WSBIM1211	Methodolgy 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	Laurent Gatto	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)	Laure Bindels (coord.)	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 Beauloye 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	Laurent Gatto	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-2020-minadroi]*
> Minor in Antiquity: Egypt, Eastern World, Greece, Rome *[en-prog-2020-minanti]*
> Minor in History of Art and Archeology *[en-prog-2020-minarke]*
> Minor in Chinese studies *[en-prog-2020-minchin]*
> Minor in Information and Communication *[en-prog-2020-mincomu]*
> Minor in Criminology *[en-prog-2020-mincrim]*
> Minor in Culture and Creation *[en-prog-2020-mincucrea]*
> Minor in Scientific Culture *[en-prog-2020-mincults]*
> Minor in Development and Environment *[en-prog-2020-mindenv]*
> Minor in Sustainable Development *[en-prog-2020-mindd]*
> Minor in Economics *[en-prog-2020-minecon]*
> Minor in European Studies *[en-prog-2020-mineuro]*
> Minor in Education (*) *[en-prog-2020-minfopa]*
> Minor in French Studies *[en-prog-2020-minfran]*
> Minor in Gender Studies *[en-prog-2020-mingenre]*
> Minor in Geography *[en-prog-2020-mingeog]*
> Minor in Mangement (basic knowledge) *[en-prog-2020-minogest]*
> Minor in History *[en-prog-2020-minhist]*
> Minor in Human and Social Sciences *[en-prog-2020-minhuso]*
> Minor in Arabic language and Islamic civilization *[en-prog-2020-minislam]*
> Minor in Philosophy *[en-prog-2020-minfilo]*
> Minor in Linguistics *[en-prog-2020-minling]*
> Minor in Literary Studies *[en-prog-2020-minlitt]*
> Minor in Medieval Studies *[en-prog-2020-minmedi]*
> Minor in Musicology *[en-prog-2020-minmusi]*
> Minor in Law (openness) *[en-prog-2020-minodroi]*
> Minor in Economics (open) *[en-prog-2020-minoeco]*
> Minor in Oriental Studies *[en-prog-2020-minori]*
> Minor in Sciences of Religions (openness) *[en-prog-2020-minreli]*
> Minor in Sociology and Anthropology *[en-prog-2020-minsoca]*
> Minor in Population and Development Studies *[en-prog-2020-minsped]*
> Minor in Political Sciences *[en-prog-2020-minspol]*
> Minor in Statistics, Actuarial Sciences and Data Sciences *[en-prog-2020-minstat]*
> Minor in numerical technologies and society *[en-prog-2020-minstic]*
> Minor in Christian Theology *[en-prog-2020-mintheo]*
> Minor in Medication Sciences *[en-prog-2020-minfarm]*
> Additionnal module in Biomedical Sciences *[en-prog-2020-appsbim]*

(*) This programme is the subject of access criteria

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 puposes 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 (https://uclouvain.be/fr/decouvrir/rgee.html).

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 # Prerequisities 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 ET WSBIM1203 ET WSBIM1204 ET WSBIM1226 ET WMDS1230 ET WSBIM1201T ET WSBIM1201P

- WMD1120 - Biologie générale et approche expérimentale de la biologie
- WFARM1009 - Elements of general and functional anatomy
- WMD1006 - Cytology and general histology
- WSBIM1203 - Histologie spéciale et hématologie
- WSBIM1204 - Atelier d'histologie et d'anatomie pathologique
- WSBIM1226 - Biologie moléculaire (dont l'épigénétique) et travaux dirigés
- WMDS1230 - Biologie cellulaire médicale et expérimentale
- WSBIM1201T - Physiologie générale (partim théorie, 40h)
- WSBIM1201P - Physiologie générale (partie travaux pratiques, 25h)

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 ET WSBIM1204

- WFARM1009 - Elements of general and functional anatomy
- WMD1006 - Cytology and general histology
- WSBIM1203 - Histologie spéciale et hématologie
- WSBIM1204 - Atelier d'histologie et d'anatomie pathologique

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 - Methodolgy 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 competences expected of every graduate on completion of the programme. You can see the contribution of each teaching unit to the programme's reference framework of learning outcomes in the document *"In which teaching units are the competences and learning outcomes in the programme's reference framework developed and mastered by the student?"*

Programme type

SBIM1BA - 1ST ANNUAL UNIT

O Mandatory	⊠ Optional
△ Courses not taught during 2020-2021	⊘ Periodic courses not taught during 2020-2021
⊕ Periodic courses taught during 2020-2021	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

O WMD1102	Physique expérimentale et introduction mathématique aux sciences expérimentales (1e partie)	Eduardo Cortina Gil	60h+21h	8 Credits	q1

WMD1104	Physique expérimentale et introduction mathématique aux sciences expérimentales (2e partie)	Michel Herquet (compensates 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

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.) Pierre Gianello Alain Poncelet	30h	3 Credits	q2

L'homme et la société : approche contextuelle

WFARM1160	Philosophy	Fabio Bruschi (compensates Mylene Botbol)	30h	3 Credits	q1
LANGL1854	Medical English	Aurélie Deneumoustier Charlotte Diaz (compensates Ariane Halleux) Carlo Lefevre (coord.) Laura Lievens (compensates Ariane Halleux) Lucille Meyers	30h	3 Credits	q2

SBIM1BA - 2ND ANNUAL UNIT

O Mandatory	⊠ Optional
△ Courses not taught during 2020-2021	⊘ Periodic courses not taught during 2020-2021
⊕ Periodic courses taught during 2020-2021	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

O WFARM1221S	Biochimie et biologie moléculaire (partim biochimie)	Nathalie Delzenne (coord.)	50h+10h	6 Credits	q1

O De la cellule à l'être humain

O WSBIM1226	Biologie moléculaire (dont l'épigénétique) et travaux dirigés	Charles De Smet Frédéric Lemaigre Thomas Michiels (coord.)	30h+10h	3 Credits	q1
O WSBIM1227	Biologie moléculaire et biochimie intégrée	Jean-Noël Octave	20h+30h	3 Credits	q2
O WMDS1230	Biologie cellulaire médicale et expérimentale	Stefan Constantinescu (coord.) Christophe Pierreux Donatienne Tyteca	30h+20h	4 Credits	q1
O WANAT1110	Human embryology	Frédéric Clotman Charles De Smet (coord.) Christophe Pierreux	30h	3 Credits	q2
O WSBIM1201T	Physiologie générale (partim théorie, 40h)	Olivier Feron Patrick Gilon (coord.)	40h	4 Credits	q1
O WSBIM1201P	Physiologie générale (partie travaux pratiques, 25h)	Olivier Feron Patrick Gilon (coord.)	0h+25h	2 Credits	q1
O WSBIM1203	Histologie spéciale et hématologie	Etienne Marbaix (coord.) Christophe Pierreux	15h+15h	3 Credits	q1
O WSBIM1204	Atelier d'histologie et d'anatomie pathologique	Yves Guiot Etienne Marbaix (coord.) Christophe Pierreux	30h	2 Credits	q2
O WFARM1282	General microbiology	Thomas Michiels	20h+15h	3 Credits	q1
O WSBIM1200	Analyse instrumentale biomédicale et radioprotection	Giulio Muccioli	30h+30h	4 Credits	q1
O WSBIM1293	Training course in cell biology	Nicolas Dauguet Laure Dumoutier (coord.)	30h	2 Credits	q2

O L'homme et la société : approche contextuelle

O WFARM1247	Traitement statistique des données	Eugen Pircalabelu	15h+15h	3 Credits	q2
O LANGL1855	Medical English	Timothy Byrne (coord.) Aurélie Deneumoustier Carlo Lefevre (coord.) Mark Theodore Pertuit	30h	3 Credits	q1 or q2

⊠ Additionnal 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 :

O WSBIM1205	Introduction à la toxicologie	Nathalie Delzenne Philippe Hantson Vincent Haufroid Perrine Hoet François Huaux Dominique Lison (coord.) Pierre Wallemacq	30h	3 Credits	q2

WSBIM1211	Methodolgy 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	Laurent Gatto	15h+20h	3 Credits	q2

SBIM1BA - 3RD ANNUAL UNIT

O Mandatory	⊠ Optional
△ Courses not taught during 2020-2021	⊘ Periodic courses not taught during 2020-2021
⊕ Periodic courses taught during 2020-2021	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

O WPHAR1300	Pharmacologie 1re partie	Emmanuel Hermans Marie-Paule Mingeot	30h+7.5h	3 Credits	q1

O De la cellule à l'être humain

O WFARM1213S	Human physiology and basics of physiopathology - (Partim SBIM)	Olivier Feron (coord.)	50h	5 Credits	q2
O WMDS1231	Biochimie humaine pathologique	Jean-François Collet Frédéric Lemaigre (coord.)	30h	3 Credits	q2
O WMDS1229	Génétique humaine	Miikka Vikkula	20h	2 Credits	q2
O WSBIM1334	Immunologie générale	Pierre Coulie (coord.) Isabelle Leclercq Julian Leprince Sophie Lucas Jean-Christophe Renauld Benoît Van Den Eynde	65h	6 Credits	q1
O WSBIM1382	Génétique et biotechnologie appliquée	Jean-Noël Octave	30h	3 Credits	q1
O WSBIM1302	Molecular Virology	Thomas Michiels	25h	3 Credits	q1
O WFARM1305	Elements of General Pathology	Mélanie Dechamps Olivier Feron (coord.)	30h	3 Credits	q2
O WSBIM1303P	Ateliers de stratégie expérimentale en biologie cellulaire et moléculaire (pratique)	Pascal Kienlen-Campard (coord.)	30h	3 Credits	q2
O WSBIM1303T	Ateliers de stratégie expérimentale en biologie cellulaire et moléculaire (théorie)	Pascal Kienlen-Campard (coord.)	30h	3 Credits	q1

O L'homme et la société : approche contextuelle

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

O Stage en laboratoire

O WSBIM1393	Stage en laboratoire	Pascal Kienlen-Campard	30h	3 Credits	q2

⊠ 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 :

O WFARM2139T	Pharmacocinétique, pharmacogénomique et toxicologie (partim toxicologie, 22h)	Laure Bindels (coord.)	22h	3 Credits	q1
O 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
O 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	Laurent Gatto	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

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 (https://uclouvain.be/fr/etudier/inscriptions/examens-admission.html) 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 of 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.

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 (https://uclouvain.be/fr/facultes/epl/examenadmission.html).

  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) (https://uclouvain.be/en/study/inscriptions/etudes-contingentees.html).
- 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). (https://uclouvain.be/en/study/inscriptions/etudes-contingentees.html)
- 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) (https://uclouvain.be/en/study/inscriptions/etudes-contingentees.html).
- Admission to **undergraduate studies in medicine and dental science**

  Admission to undergraduate studies in medecine 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). (https://uclouvain.be/en/study/inscriptions/etudes-contingentees.html)

  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) (https://uclouvain.be/en/study/inscriptions/etudes-contingentees.html).

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 (https://uclouvain.be/fr/decouvrir/rgee.html). 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 Medecine (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 Medecine, as well as certain programmes in the Faculty of Sciences, may be accessible, subject to certain prerequisites.

Contacts

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