MD1BA

2013 - 2014

Bachelor in Medecine (Bachelor + Master : 6 years)

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 médicales**
Organized by: **Faculté de médecine et médecine dentaire (MEDE)**
Programme code: **md1ba** - European Qualifications Framework (EQF): 6

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MD1BA - Introduction

MD1BA - Admission

Decree of March 31st 2004 defining higher education and favoring the integration of higher education and university refinancing in the European area)
The admission conditions must be fulfilled at the time of enrolment at university.

General Conditions

Except as otherwise provided by other special legal provisions and with a view to obtaining the academic degree that recognises them, admission to undergraduate courses is granted to students with either:

- A certificate of Further Secondary Education issued from the academic year 1993–1994 by a fully fledged secondary education establishment or a school of Continuing Education in the French Community and approved by the Board created for that purpose, and holders of the same certificate issued from the 1994 calendar year by the education board of the French Community;
- or a certificate of Further Secondary Education issued not later than the end of the school year 1992–1993 accompanied, for admission to degree-length undergraduate studies, by a proficiency diploma giving access to higher education;
- or a diploma issued by a higher education establishment of the French Community recognising an academic degree, or a diploma issued by a university institution or an establishment dispensing full-time higher education under previous legislation;
- or a higher education certificate issued by a improvement courses establishment;
- a pass certificate for one of the entrance examinations co-ordinated by the higher education establishments or by a French Community education board and whose curricula are approved by the Government after consultation, according to the sector, with the Interuniversity Council of the French Community (Conseil interuniversitaire de la Communauté française – CIUF) or the General Council of the Hautes Ecoles (Conseil général des Hautes Ecoles – CGHE); this certificate gives admission to studies in relevant sectors or fields;
- or a diploma, certificate or secondary school certificate similar to those mentioned above issued by the Flemish Community (this certificate does not give exemption from the French Language Proficiency exam), by the German-speaking Community or the Royal Military School;
- of a diploma, certificate or secondary school certificate outside Belgium and recognised as equivalent to those mentioned above.

Requests for equivalence must be submitted to the Service des équivalences of the Ministry of Higher Education and Scientific Research of the French Community of Belgium before 15 July 2013.

Notes: the two following certificates are automatically recognised as equivalent to the Certificate of Upper Secondary Education (Certificat d'enseignement secondaire superieur – CESS): the European baccalaureat issued by the High Council of European Schools; the international baccalaureate issued by the International Baccalaureat Office, Geneva.

However, neither certificate automatically gives exemption from the French Language Proficiency exam;

- or a proficiency diploma giving access to higher education (diplôme d'aptitude à accéder à l'enseignement supérieur – DAES) conferred by the French Community examination board.

Exam of knowledge of the French language

Anyone not demonstrating sufficient French language proficiency will not be admitted to the first-year undergraduate examinations.

Special Conditions

- 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 studies is always subject to passing the special entrance examination. The contents of the programme and the form of the examination may be obtained from the Secretariat of this faculty.
- 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 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).

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

MD1BA - Information

Learning outcomes

Medicine is situated at the junction between the exact sciences and the human sciences.

A doctor is a scientist whose interest is the human body, mind and feelings. The classes of the Bachelor in Medicine programme are grouped around two major axes: one for “basic sciences and life sciences” and the other for “human sciences”. The “basic sciences and life sciences” training allows students to acquire the knowledge and basic scientific skills required in a profession in which intellectual discipline is called for: observational skills, the ability to read and interpret results, taking a critical view of the data collected; a number of skills will be acquired through lectures and practical work.

The training in human sciences invites students to reflect on the various questions relating to the recent developments in biomedicine: science and society, respect for nature, neurosciences and human nature, many themes will be tackled in various lectures and seminars. Psychology classes will prepare the student to approach the patient as an individual.

The learning outcomes on completion of the Bachelor’s programme form the methodological, scientific and human foundation on which to construct the specific professional skills for the basic medical training (Master in Medicine), but also for general or specialised medical training (additional Masters). Indeed, the basic Master in Medicine no longer gives direct access to medical practice; further training is required.

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

Upon completion of this programme, the graduate will be able:

• to show a command of the basic sciences and biomedicine, allowing him/her to solve problems related to medical disciplines.

Non specific information on this subject.

to explain the causes and onset of illnesses by integrating molecular, morphological and functional approaches.

1. Acoustic observations: heartbeat, echo-Doppler, percussion, etc.
2. Electrical observations: ECG, nerve conduction velocity, etc.
3. Tissue observations: histological sections, simple colouring, immunolabeling, etc.
4. Cellular and molecular observations: proliferation markers, flow cytometry, etc.
5. Interpretation of results of chemical or biological analyses.

to use numbers, the representation of space and the principles of logic to describe, quantify and prioritise the phenomena observed.

1. Apply the basic principles of reasoning (analysis, summary, comparison, analogy, etc).
2. Apply the rule of three.
3. Acquire a command of absolute values, orders of magnitude and proportions.
4. Understand and use time scales and their representatives.
5. Understand and apply the mathematical translation of the major laws of physics, chemistry and biology (speed, flow, interactions, etc)
6. Express numeric values and their relationships in the form of a graph.
7. Understand the significance of statistical reasoning (hypotheses and the confidence interval, survival curves, relative risk) and basic tests.
8. Acquire a command of representations in two- and three-dimensional space.

to apply forms of reasoning appropriate for the clinical approach and/or research.

1. Describe: select the pertinent observations (focus), quantify them and try to explain them
2. Suggest hypotheses and define their distinctive points
3. Suggest how to test them by observation (e.g. epidemiological) or by experiment
4. Evaluate: validate (or reject) observations, analyse their meaning, interpret the study, criticise the reliability of the conclusions, identify perspectives
5. Test, with humility, his/her point of view against the thoughts of others (approved biomedical literature).

to demonstrate relationship skills in a medical perspective.

1. Demonstrate an ability to communicate with patients and their families as well as with peers.
2. Show empathy and discretion.
3. Deal with doubts and take action despite uncertainty.

4. Work as part of a team.
5. Handle the ethical dimension related to diagnoses or treatment of patients.

to communicate effectively, both orally and in writing.

1. Expand his/her vocabulary and understand the significance of each word used
2. Relate words and concepts (synonyms, pleonasms, etc)
3. Acquire a command of grammatical analysis and the rules of agreement
4. Use punctuation, introductory concepts and linking words (therefore, however, etc)
5. Summarise the main meaning of a communication, oral or written, by extracting the key ideas and messages.

to access sources of knowledge in the spirit of initial and ongoing training.

1. Quickly find a specific piece of information using key words and index
2. Read, interpret and summarise a biomedical research article in English
3. Compare information from the Internet with established reference works
4. Discipline him/herself to quote sources
5. Employ scientific curiosity and show the ability to innovate.

to explain the importance of the social responsibility of the academic world and of the future health professional.

1. Understand health systems and their funding
2. Display a global approach to health (environment, prevention, diagnosis, treatment, etc.).
3. Evidence-based medicine.

Teaching method

Teaching

The Bachelor in Medicine programme is aimed at developing the skills of each student in terms of knowledge, expertise, interpersonal skills and duty. The lectures are in part based on transmission of knowledge teaching methods and on practical work, exercises and seminars reinforcing practical and theoretical aspects.

This programme is regularly updated in order to adapt to scientific advances and the needs of society.

This learning process is made possible by a variety of teaching methods: group lectures, practical laboratory work, work placements, seminars in small groups and personal work allowing the integration of knowledge and skills acquired, simulation (role play, digital virtual laboratories and exercises on mannequins).

Mobility and/or Internationalisation outlook

Student mobilitiy is not included in the Bachelor in Medicine programme.

Possible trainings at the end of the programme

Possible training on completion of the programme

Position of the programme within the curriculum.

On completion of the full Bachelor in Medicine programme, the student can proceed to the Master in Medicine.

The content of the Bachelor's programme is in the process of being revised. Possible transfers to other courses during or on completion of the Bachelor's programme will be decided in due course.

Other training accessible on completion of the programme.

Master's programme(s) accessible without additional preconditions: Public Health.

Master's programme(s) accessible with preconditions: Master in Pharmaceutical Sciences, Master in Biomedicine.

Others: Master's programme accessible using a specifically constructed programme: Master in Biology.

MD1BA - Contacts

Curriculum Managment

Entite de la structure MED

Acronyme	**MED**
Dénomination	Ecole de médecine
Adresse	Avenue Mounier, 50 bte B1.50.06 1200 Woluwe-Saint-Lambert Tél 02 764 50 20 - Fax 02 764 50 35
Secteur	Secteur des sciences de la santé (SSS)
Faculté	Faculté de médecine et médecine dentaire (MEDE)
Commission de programme	Ecole de médecine (MED)

Academic Supervisor : Dominique Vanpee

Jury

Usefull Contacts

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Academic Supervisor : Dominique Vanpee

Responsable administrative de l'école de médecine : **Laurence Acreman**

Jury

Usefull Contacts

MD1BA - Detailled programme

Programme structure

Structure of the programme

Medical studies include 3 years of the Bachelor's programme and 3 years of the Master's, with each year divided into four quadrimesters. On completion of the 6 years, the graduate can begin an additional Master's, either in General Medicine (3 years) or one of the medical specialisations (from 4 to 7 years).

The 1st quadrimester of the 1st year of the Bachelor's programme

The first quadrimester focuses on teaching the scientific disciplines required for later studies of the life sciences: it therefore includes classes in physics, chemistry (general and organic chemistry) and biology (general biology and embryology). The first quadrimester's scientific training is supplemented in the 2nd quadrimester by classes in statistics and applied mathematics and is then completed with classes in human sciences (philosophy).

From the 2nd quadrimester of the 1st year to the 1st quadrimester of the 3rd year of the Bachelor's programme

These four quadrimesters form the bases for an understanding of the human body in its constitution and its functioning, in its normal state and in pathological conditions. They include classes in histology, anatomy, physiology, biochemistry, etc.

The training also includes psychology classes, which prepare the future doctor to deal with each patient as an individual. Finally, the societal dimensions of health and sickness are dealt with through epidemiology and public health classes.

From the 2nd year, students will have the opportunity to familiarise themselves with clinical practice within the framework of a hospital work placement.

The 2nd quadrimester of the 3rd year of the Bachelor's programme

This quadrimester is the start of clinical training which will be continued in the Master's programme. The clinical training is organised in systems integrating the different medical specialisations in order to cover all interventions when dealing with a pathology, from diagnosis to treatment. The programme for the 2nd quadrimester of the 3rd year includes the study of the cardiovascular and respiratory systems and an introduction to general medicine and the clinical approach.

Programme by subject

						Year 1	2	3
Des atomes, des molécules et des systèmes qui les régissent (27 credits)								
WMDS1100	Physique	Bernard Piraux	80h+40h	10 Credits	1q	x		
WMDS1101	Chimie générale et organique	Mohamed Ayadim, Benjamin Elias, Jean-François Gohy	90h+40h	11 Credits	1q	x		
WMDS1104	Eléments de statistiques et de mathématiques appliquées aux sciences de la santé	Catherine Legrand, Niko Speybroeck (coord.), Roger-K. Verbeeck, Pierre Wallemacq	30h+20h	4 Credits	2q	x		
WMDS1227	Pharmacologie générale	Emmanuel Hermans, Dominique Lison, Pierre Wallemacq	20h	2 Credits	2q		x	
De la cellule à l'être humain: approche morphologique et fonctionnelle (125 credits)								
WMDS1102	Biologie et embryologie générale	Charles De Smet, Marie-Christine Many (coord.)	50h+20h	6 Credits	1q	x		
WMDS1103	Anatomie générale et fonctionnelle	Catherine Behets Wydemans, Benoît Lengelé (coord.)	45h	5 Credits	2q	x		

						Year 1	2	3
WMDS1105	Histologie générale	Jean-François Denef, Marie-Christine Many (coord.)	20h+60h	5 Credits	2q	x		
WMDS1109	Biologie moléculaire	Jean-François Collet, Jean Baptiste Demoulin (coord.), Mark Rider	60h+20h	7 Credits	2q	x		
WMDS1211	Biologie cellulaire, médicale et expérimentale	Stefan Constantinescu, Pierre Courtoy (coord.), Christophe Pierreux, Donatienne Tyteca	30h+20h	4 Credits	1q		x	
WFARM1282T	Microbiologie générale (partim théorie)	Thomas Michiels	20h	2 Credits	1q		x	
WMDS1212	Biochimie métabolique	Jean-François Collet, Mark Rider (coord.), Emile Van Schaftingen	30h	3 Credits	1q		x	
WMDS1210	Physiologie cellulaire	Philippe Gailly	55h+10h	6 Credits	1q		x	
WMDS1222	Biochimie humaine pathologique	Frédéric Lemaigre (coord.), Emile Van Schaftingen	50h	5 Credits	2q		x	
WMDS1220	Anatomie topologique et clinique	Benoît Lengelé	70h+40h	9 Credits	1+2q		x	
WMDS1226	Histologie des systèmes, partie 1	Jean-François Denef (coord.), Marie-Christine Many	10h+40h	3 Credits	2q		x	
WMDS1221	Système nerveux, partie 1	Benoît Lengelé, Marcus Missal, André Mouraux, Etienne Olivier (coord.)	65h+10h	7 Credits	1+2q		x	
WMDS1223	Système rénal, partie 1	Jean-François Denef (coord.), Olivier Devuyst	25h+10h	3 Credits	2q		x	
WMDS1224	Système respiratoire, partie 1	Claire De Burbure de Wesembeek, Frédéric Thys, Dominique Vanpee, Franck Verschuren (coord.)	25h+10h	3 Credits	2q		x	
WMDS1225	Système cardiovasculaire, partie 1	Jean-Luc Balligand (coord.), Christophe Beauloye, Marie-Christine Many	25h+10h	3 Credits	2q		x	
WMDS1310	Pathologie générale	N.	40h+20h	5 Credits	1q △			x
WMDS1311	Anatomie radiologique et imagerie médicale	N.	20h+20h	3 Credits	1q △			x
WMDS1312	Génétique humaine	N.	20h	2 Credits	1q △			x
WMDS1313	Microbiologie médicale	N.	45h+10h	5 Credits	1q △			x
WMDS1326	Histologie des systèmes, partie 2	N.	0h+40h	2 Credits	2q △			x
WSBIM1334M	Immunologie générale (partim MD)	N.	40h	4 Credits	1q △			x
WMDS1315	Système endocrinien, partie 1	N.	30h	3 Credits	1q △			x
WMDS1321	Système digestif, partie 1	N.	40h	4 Credits	2q △			x
WMDS1322	Système reproducteur, partie 1	N.	30h	3 Credits	2q △			x
WMDS1324	Système respiratoire, partie 2	N.	54h+10h	5 Credits	2q △			x
WMDS1325	Système cardiovasculaire, partie 2	N.	90h+30h	9 Credits	1+2q △			x
WMDS1327	Démarche clinique	N.	40h+100h	9 Credits	1+2q △			x

Approche contextuelle de la santé, de la maladie (19 credits)

WMDS1107	Epidémiologie et santé publique	Benoît Boland, Jean Macq (coord.)	30h+20h	4 Credits	2q	x		
WMDS1106	Philosophie	Bernard Feltz	30h	3 Credits	1q	x		

						Year 1	2	3
WMDS1213	Psychologie générale et médicale	Dominique Charlier, Eric Constant (coord.), Philippe de Timary, Moïra Mikolajczak	50h	5 Credits	1q		x	
WMDS1214	Introduction à la pratique médicale	Véronique Beauloye, Guy Beuken, Benoît Boland, Isabelle Dagneaux, Corentin Duyver, Sophie Leconte, Christian Swine, Didier Thillaye du Boullay (coord.)	10h+40h	3 Credits	1q		x	
WMDS1314	Séminaire de sciences humaines	N.	0h+40h	2 Credits	1q Δ			x
WMDS1320	Lecture critique de littérature médicale en langue anglaise	N.	10h+20h	2 Credits	2q Δ			x

Approche intégrée de la santé, de la maladie (5 credits)

WMDS1108	Approche transdisciplinaire de problèmes bio-médicaux	Jean Baptiste Demoulin, Benjamin Elias, Bernard Feltz, Didier Lambert, Gaëtane Leloup, Charlotte Luyckx, Marie-Christine Many, Bernard Piraux, Frédéric Thys (coord.)	40h+20h	5 Credits	2q	x		

Cours au choix (4 credits)

Outre l'enseignement obligatoire, l'étudiant doit, au cours du 1er cycle, valider 4 crédits d'activités au choix, 2 en 2e année et 2 en 3e année. Ces activités consistent en cours au choix ou/et en monitorat. Il peut aussi débuter son travail d'étudiant chercheur, mais ce travail ne sera pas valorisé en terme de crédits. Avec l'accord du conseiller aux études, il pourrait suivre les 4 crédits sur une même année (en 2e ou en 3e).

Liste des cours au choix

L'étudiant peut, s'il le désire, suivre un cours autre que ceux indiqués ci-dessous (cours des programmes de sciences biomédicales, pharmaceutiques ou de la santé publique, etc) moyennant l'accord préalable du président de son comité d'année.

WANES2111	Formation à la réanimation cardio-pulmonaire	Stéphan Clément de Cléty, Thierry Detaille, Philippe Hantson, Philippe Meert, Michel Van Dyck (coord.)	15h	2 Credits	1q			x

Filière recherche

WSBIM2230	Biochimie des erreurs innées du métabolisme	Marie-Cécile Nassogne, Marie-Françoise Vincent (coord.)	30h	3 Credits	1q			x
WFARM1247	Traitement statistique des données	Catherine Legrand	15h+15h	2 Credits	2q		x	x
WGEMO2110	Génétique moléculaire médicale	Hélène Poirel, Nicole Revencu, Yves Sznajer, Miikka Vikkula (coord.)	30h	2 Credits	2q			x
WSBIM1001	MATHEMATICAL METHODS IN BIOMEDICAL SCIENCES	Julien Federinov, André Nauts, Annie Robert	45h+20h	3 Credits	2q		x	x
WMED1260	Bases de l'informatique dans le secteur de la santé	Benoît Debande	15h	2 Credits	1q		x	x

Filière sciences humaines

WPSYC2190	Psychiatrie juvénile	Nicolas Zdanowicz	15h	2 Credits	2q		x	x
WMED1290	Culture(s), création et pratiques médicales (1re partie)	Geneviève Aubert, Pascale Champagne, Michel Dupuis (coord.), Sarah Sepulchre, Charles Vanwelde	20h+10h	2 Credits	2q		x	x

						Year 1	2	3
⊠ WMED1390	Culture(s), création et pratiques médicales (2e partie)	Geneviève Aubert, Pascale Champagne, Michel Dupuis (coord.), Charles Vanwelde	20h+10h	2 Credits	1q			x
⊠ LCOPS1125	Psychology and Social Psychology	Olivier Corneille, Delphine Grynberg (compensates Olivier Corneille), Guy Lories, Gordy Pleyers	30h	5 Credits	2q		x	x

⊠ Filière santé et société

⊠ WMED1264	Hygiène hospitalière	Anne Simon	15h	2 Credits	2q		x	x
⊠ WESP2282P	Démarche et méthodes d'intervention en santé communautaire (2e partie)	N.	15h	2 Credits	2q			x

⊠ Etudiant moniteur

Après avoir effectué une année d'études, l'étudiant peut participer à l'encadrement des étudiants des années inférieures pour les cours d'histologie, de biologie générale, d'anatomie humaine (3e année).

⊠ WBIOL1950	Monitorat en biologie générale	N.	20h	2 Credits	1+2q		x	x
⊠ WISTO1950	Monitorat d'histologie générale	N.	20h	2 Credits	2q		x	x
⊠ WISTO1954	Monitorat d'histologie normale des systèmes I	N.	20h	2 Credits				x
⊠ WANAT1953	Monitorat d'anatomie humaine (MED13BA)	N.	20h	2 Credits				x

⊠ Etudiant chercheur

Les étudiants peuvent, dès la fin de leur 1re année d'études, entrer en contact direct avec la recherche fondamentale ou clinique. Cette activité n'est pas considérée comme un cours au choix. Le Pr Ph. Gailly est le Président de la commission des étudiants chercheurs (Harvey + 2, 02 764 55 42).

Programme year by year

MD1BA - FIRST YEAR

O Mandatory	⊠ Optional
△ Courses not taught during 2013-2014	⊘ Periodic courses not taught during 2013-2014
⊕ Periodic courses taught during 2013-2014	⧺ Two years course

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

O *Des atomes, des molécules et des systèmes qui les régissent*

O WMDS1100	Physique	Bernard Piraux	80h+40h	10 Credits	1q
O WMDS1101	Chimie générale et organique	Mohamed Ayadim, Benjamin Elias, Jean-François Gohy	90h+40h	11 Credits	1q
O WMDS1104	Eléments de statistiques et de mathématiques appliquées aux sciences de la santé	Catherine Legrand, Niko Speybroeck (coord.), Roger-K. Verbeeck, Pierre Wallemacq	30h+20h	4 Credits	2q

O *De la cellule à l'être humain: approche morphologique et fonctionnelle*

O WMDS1102	Biologie et embryologie générale	Charles De Smet, Marie-Christine Many (coord.)	50h+20h	6 Credits	1q
O WMDS1103	Anatomie générale et fonctionnelle	Catherine Behets Wydemans, Benoît Lengelé (coord.)	45h	5 Credits	2q
O WMDS1105	Histologie générale	Jean-François Denef, Marie-Christine Many (coord.)	20h+60h	5 Credits	2q
O WMDS1109	Biologie moléculaire	Jean-François Collet, Jean Baptiste Demoulin (coord.), Mark Rider	60h+20h	7 Credits	2q

O *Approche contextuelle de la santé, de la maladie*

O WMDS1107	Epidémiologie et santé publique	Benoît Boland, Jean Macq (coord.)	30h+20h	4 Credits	2q
O WMDS1106	Philosophie	Bernard Feltz	30h	3 Credits	1q

O *Approche intégrée de la santé, de la maladie*

O WMDS1108	Approche transdisciplinaire de problèmes bio-médicaux	Jean Baptiste Demoulin, Benjamin Elias, Bernard Feltz, Didier Lambert, Gaëtane Leloup, Charlotte Luyckx, Marie-Christine Many, Bernard Piraux, Frédéric Thys (coord.)	40h+20h	5 Credits	2q

MD1BA - SECOND YEAR

O Mandatory	⊠ Optional
△ Courses not taught during 2013-2014	⊘ Periodic courses not taught during 2013-2014
⊕ Periodic courses taught during 2013-2014	⧺ Two years course

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

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

O WMDS1227	Pharmacologie générale	Emmanuel Hermans, Dominique Lison, Pierre Wallemacq	20h	2 Credits	2q

O De la cellule à l'être humain: approche morphologique et fonctionnelle

O WMDS1211	Biologie cellulaire, médicale et expérimentale	Stefan Constantinescu, Pierre Courtoy (coord.), Christophe Pierreux, Donatienne Tyteca	30h+20h	4 Credits	1q
O WFARM1282T	Microbiologie générale (partim théorie)	Thomas Michiels	20h	2 Credits	1q
O WMDS1212	Biochimie métabolique	Jean-François Collet, Mark Rider (coord.), Emile Van Schaftingen	30h	3 Credits	1q
O WMDS1210	Physiologie cellulaire	Philippe Gailly	55h+10h	6 Credits	1q
O WMDS1222	Biochimie humaine pathologique	Frédéric Lemaigre (coord.), Emile Van Schaftingen	50h	5 Credits	2q
O WMDS1220	Anatomie topologique et clinique	Benoît Lengelé	70h+40h	9 Credits	1+2q
O WMDS1226	Histologie des systèmes, partie 1	Jean-François Denef (coord.), Marie-Christine Many	10h+40h	3 Credits	2q
O WMDS1221	Système nerveux, partie 1	Benoît Lengelé, Marcus Missal, André Mouraux, Etienne Olivier (coord.)	65h+10h	7 Credits	1+2q
O WMDS1223	Système rénal, partie 1	Jean-François Denef (coord.), Olivier Devuyst	25h+10h	3 Credits	2q
O WMDS1224	Système respiratoire, partie 1	Claire De Burbure de Wesembeek, Frédéric Thys, Dominique Vanpee, Franck Verschuren (coord.)	25h+10h	3 Credits	2q
O WMDS1225	Système cardiovasculaire, partie 1	Jean-Luc Balligand (coord.), Christophe Beauloye, Marie-Christine Many	25h+10h	3 Credits	2q

O Approche contextuelle de la santé, de la maladie

O WMDS1213	Psychologie générale et médicale	Dominique Charlier, Eric Constant (coord.), Philippe de Timary, Moïra Mikolajczak	50h	5 Credits	1q
O WMDS1214	Introduction à la pratique médicale	Véronique Beauloye, Guy Beuken, Benoît Boland, Isabelle Dagneaux, Corentin Duyver, Sophie Leconte, Christian Swine, Didier Thillaye du Boullay (coord.)	10h+40h	3 Credits	1q

Cours au choix

Outre l'enseignement obligatoire, l'étudiant doit, au cours du 1er cycle, valider 4 crédits d'activités au choix, 2 en 2e année et 2 en 3e année. Ces activités consistent en cours au choix ou/et en monitorat. Il peut aussi débuter son travail d'étudiant chercheur, mais ce travail ne sera pas valorisé en terme de crédits. Avec l'accord du conseiller aux études, il pourrait suivre les 4 crédits sur une même année (en 2e ou en 3e).

Liste des cours au choix

L'étudiant peut, s'il le désire, suivre un cours autre que ceux indiqués ci-dessous (cours des programmes de sciences biomédicales, pharmaceutiques ou de la santé publique, etc) moyennant l'accord préalable du président de son comité d'année.

Filière recherche

WFARM1247	Traitement statistique des données	Catherine Legrand	15h+15h	2 Credits	2q
WSBIM1001	MATHEMATICAL METHODS IN BIOMEDICAL SCIENCES	Julien Federinov, André Nauts, Annie Robert	45h+20h	3 Credits	2q
WMED1260	Bases de l'informatique dans le secteur de la santé	Benoît Debande	15h	2 Credits	1q

Filière sciences humaines

WPSYC2190	Psychiatrie juvénile	Nicolas Zdanowicz	15h	2 Credits	2q
WMED1290	Culture(s), création et pratiques médicales (1re partie)	Geneviève Aubert, Pascale Champagne, Michel Dupuis (coord.), Sarah Sepulchre, Charles Vanwelde	20h+10h	2 Credits	2q
LCOPS1125	Psychology and Social Psychology	Olivier Corneille, Delphine Grynberg (compensates Olivier Corneille), Guy Lories, Gordy Pleyers	30h	5 Credits	2q

Filière santé et société

WMED1264	Hygiène hospitalière	Anne Simon	15h	2 Credits	2q

Etudiant moniteur

Après avoir effectué une année d'études, l'étudiant peut participer à l'encadrement des étudiants des années inférieures pour les cours d'histologie, de biologie générale, d'anatomie humaine (3e année).

WBIOL1950	Monitorat en biologie générale	N.	20h	2 Credits	1+2q
WISTO1950	Monitorat d'histologie générale	N.	20h	2 Credits	2q

MD1BA - THIRD YEAR

O Mandatory	⊠ Optional
△ Courses not taught during 2013-2014	⊘ Periodic courses not taught during 2013-2014
⊕ Periodic courses taught during 2013-2014	⧺ Two years course

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

O De la cellule à l'être humain: approche morphologique et fonctionnelle

O WMDS1310	Pathologie générale	N.	40h+20h	5 Credits	1q △
O WMDS1311	Anatomie radiologique et imagerie médicale	N.	20h+20h	3 Credits	1q △
O WMDS1312	Génétique humaine	N.	20h	2 Credits	1q △
O WMDS1313	Microbiologie médicale	N.	45h+10h	5 Credits	1q △
O WMDS1326	Histologie des systèmes, partie 2	N.	0h+40h	2 Credits	2q △
O WSBIM1334M	Immunologie générale (partim MD)	N.	40h	4 Credits	1q △
O WMDS1315	Système endocrinien, partie 1	N.	30h	3 Credits	1q △
O WMDS1321	Système digestif, partie 1	N.	40h	4 Credits	2q △
O WMDS1322	Système reproducteur, partie 1	N.	30h	3 Credits	2q △
O WMDS1324	Système respiratoire, partie 2	N.	54h+10h	5 Credits	2q △
O WMDS1325	Système cardiovasculaire, partie 2	N.	90h+30h	9 Credits	1+2q △
O WMDS1327	Démarche clinique	N.	40h+100h	9 Credits	1+2q △

O Approche contextuelle de la santé, de la maladie

O WMDS1314	Séminaire de sciences humaines	N.	0h+40h	2 Credits	1q △
O WMDS1320	Lecture critique de littérature médicale en langue anglaise	N.	10h+20h	2 Credits	2q △

O Cours au choix

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O Liste des cours au choix

L'étudiant peut, s'il le désire, suivre un cours autre que ceux indiqués ci-dessous (cours des programmes de sciences biomédicales, pharmaceutiques ou de la santé publique, etc) moyennant l'accord préalable du président de son comité d'année.

⊠ WANES2111	Formation à la réanimation cardio-pulmonaire	Stéphan Clément de Cléty, Thierry Detaille, Philippe Hantson, Philippe Meert, Michel Van Dyck (coord.)	15h	2 Credits	1q

⊠ Filière recherche

⊠ WSBIM2230	Biochimie des erreurs innées du métabolisme	Marie-Cécile Nassogne, Marie-Françoise Vincent (coord.)	30h	3 Credits	1q
⊠ WFARM1247	Traitement statistique des données	Catherine Legrand	15h+15h	2 Credits	2q
⊠ WGEMO2110	Génétique moléculaire médicale	Hélène Poirel, Nicole Revencu, Yves Sznajer, Miikka Vikkula (coord.)	30h	2 Credits	2q
⊠ WSBIM1001	MATHEMATICAL METHODS IN BIOMEDICAL SCIENCES	Julien Federinov, André Nauts, Annie Robert	45h+20h	3 Credits	2q
⊠ WMED1260	Bases de l'informatique dans le secteur de la santé	Benoît Debande	15h	2 Credits	1q

⊠ Filière sciences humaines

⊠ WPSYC2190	Psychiatrie juvénile	Nicolas Zdanowicz	15h	2 Credits	2q
⊠ WMED1290	Culture(s), création et pratiques médicales (1re partie)	Geneviève Aubert, Pascale Champagne, Michel Dupuis (coord.), Sarah Sepulchre, Charles Vanwelde	20h+10h	2 Credits	2q
⊠ WMED1390	Culture(s), création et pratiques médicales (2e partie)	Geneviève Aubert, Pascale Champagne, Michel Dupuis (coord.), Charles Vanwelde	20h+10h	2 Credits	1q
⊠ LCOPS1125	Psychology and Social Psychology	Olivier Corneille, Delphine Grynberg (compensates Olivier Corneille), Guy Lories, Gordy Pleyers	30h	5 Credits	2q

⊠ Filière santé et société

⊠ WMED1264	Hygiène hospitalière	Anne Simon	15h	2 Credits	2q
⊠ WESP2282P	Démarche et méthodes d'intervention en santé communautaire (2e partie)	N.	15h	2 Credits	2q

⊠ Etudiant moniteur

Après avoir effectué une année d'études, l'étudiant peut participer à l'encadrement des étudiants des années inférieures pour les cours d'histologie, de biologie générale, d'anatomie humaine (3e année).

⊠ WBIOL1950	Monitorat en biologie générale	N.	20h	2 Credits	1+2q
⊠ WISTO1950	Monitorat d'histologie générale	N.	20h	2 Credits	2q
⊠ WISTO1954	Monitorat d'histologie normale des systèmes I	N.	20h	2 Credits	
⊠ WANAT1953	Monitorat d'anatomie humaine (MED13BA)	N.	20h	2 Credits	