

One-year master program (60 ECTS)

First semester

Compulsory courses

MEDE0430-1	<i>Biomedical research history</i> - Vincent GEENEN	15	-	-	2
LANG0130-1	<i>Scientific English Practice (note-taking)</i> - Christine FILOT, Vincent SEUTIN	5	25	-	3
LABO0432-1	<i>Techniques for cells and tissue cultures</i> - Marie-Claire GILLET	5	20	-	3
COMU0430-2	<i>Communication Techniques</i> - Robert LEJEUNE	15	20	-	3
SBIM0486-2	<i>Experimental methodologies in living animals</i> - Pierre DRION	25	10	-	4
BIOL0431-2	<i>Complements of normal and pathological cellular regulation</i> - Agnès NOËL, Rose WINKLER	20	-	-	3
LABO0433-2	<i>Modern Morphological Methods in Biomedical Research</i> - Roland GREIMERS	30	-	-	3
SANG0430-2	<i>Hematology</i> - André GOTHOT	20	-	-	3
INFO0430-2	<i>Notions of bioinformatics</i> - Olivier PEULEN	10	10	-	2
NEUR0432-1	<i>Neurobiology</i> - Pierre LEPRINCE	20	10	-	3
GENE0431-1	<i>Complements of genomics</i> - Michel GEORGES	20	10	-	3

Second semester

Compulsory courses

RADL0440-1	<i>Radiobiology</i> - Chantal HUMBLET, Philippe MARTINIVE	30	10	-	4
CHIM0440-2	<i>Complements of medical Chemistry</i> - Jean-Paul CHAPELLE	20	10	-	3
TOXI0432-1	<i>Toxicology complements</i> - Corinne CHARLIER, Raphaël DENOZ	10	10	-	3
CHIM0433-1	<i>Proteomics</i> - Edwin DE PAUW, Marianne FILLET, Pierre LEPRINCE	20	10	-	3
Specific Module					
MMEM0430-1	<i>Final thesis</i> - COLLÉGIALITÉ	-	-	-	15

Two-Year Master Program (120 ECTS)

First Year

First semester

Compulsory courses

MEDE0430-1	<i>Biomedical research history</i> - Vincent GEENEN	15	-	-	2
LANG0130-1	<i>Scientific English Practice (note-taking)</i> - Christine FILOT, Vincent SEUTIN	5	25	-	3
LABO0432-1	<i>Techniques for cells and tissue cultures</i> - Marie-Claire GILLET	5	20	-	3
COMU0430-2	<i>Communication Techniques</i> - Robert LEJEUNE	15	20	-	3
SBIM0486-2	<i>Experimental methodologies in living animals</i> - Pierre DRION	25	10	-	4
BIOL0431-2	<i>Complements of normal and pathological cellular regulation</i> - Agnès NOËL, Rose WINKLER	20	-	-	3
LABO0433-2	<i>Modern Morphological Methods in Biomedical Research</i> - Roland GREIMERS	30	-	-	3
SANG0430-2	<i>Hematology</i> - André GOTHOT	20	-	-	3
INFO0430-2	<i>Notions of bioinformatics</i> - Olivier PEULEN	10	10	-	2
NEUR0432-1	<i>Neurobiology</i> - Pierre LEPRINCE	20	10	-	3
GENE0431-1	<i>Complements of genomics</i> - Michel GEORGES	20	10	-	3

2nd Semester

Compulsory courses

RADL0440-1	<i>Radiobiology</i> - Chantal HUMBLET, Philippe MARTINIVE	30	10	-	4
CHIM0440-2	<i>Complements of medical Chemistry</i> - Jean-Paul CHAPELLE	20	10	-	3
TOXI0432-1	<i>Toxicology complements</i> - Corinne CHARLIER, Raphaël DENOZ	10	10	-	3
CHIM0433-1	<i>Proteomics</i> - Edwin DE PAUW, Marianne FILLET, Pierre LEPRINCE	20	10	-	3
Specific Module					
MSTG0430-3	<i>Placement in laboratory</i> - COLLÉGIALITÉ - [140h Internship]	5	-	[+]	15

Second year

Compulsory courses

STAT0750-1	<i>Multivariate statistical analysis</i> - Adelin ALBERT	10	10	-	1
MMEM0440-1	<i>Final thesis</i> - COLLÉGIALITÉ	-	-	-	29

Choose one focus from the following :

Research Focus

Optional courses

Choose one option from the following :

A. Digestive system and nutrition - Coordinator: Jacques Rigo

Note : All courses in this option could be given in English.

SBIM0430-1	<i>Methods in vivo and in vitro concerning gastrointestinal tract</i> - Olivier PEULEN	10	10	-	3
SBIM0431-1	<i>Physiopathology of diseases of the digestive tract</i> - Jean DELWAIDE, Jacques RIGO	30	-	-	4
SBIM0432-1	<i>Physiology of nutrition and the bases of nutritional recommendations, paediatrics</i> - Jacques RIGO	20	-	-	3
SBIM0432-2	<i>Physiology of nutrition and the bases of nutritional recommendations, adult</i> - Nicolas PAQUOT	20	-	-	3
SBIM0433-1	<i>Pathology-specific nutritional problems, paediatrics</i> - Jacques RIGO	15	-	-	2
SBIM0433-2	<i>Pathology-specific nutritional problems, adult</i> - Nicolas PAQUOT	15	-	-	2
SBIM0435-1	<i>Dietetic elements</i> - Nicolas PAQUOT	5	5	-	1
SBIM0434-1	<i>Phytochemical introduction to the analysis of foodstuffs</i> - Michel FREDERICH, Monique TITS	10	-	-	2
QUAL0436-1	<i>Quality assurance linked to foodstuffs</i> - partim I : aspects chimiques - Marie-Louise SCIPPO - partim II : aspects biologiques - Georges DAUBE	7,5	-	-	2
SBIM0436-1	<i>Dietary technology, legislation and labelling</i> - Jacques RIGO	15	-	-	2
SBIM0437-1	<i>Biosafety</i> - Willy ZORZI	5	5	-	1
SBIM0439-1	<i>Bibliographic research</i> - Jacques RIGO	-	-	-	5

B. Biomedical aspects specific to developing countries - Coordinator: Patrick De Mol

SBIM0440-1	<i>Fight against disease and international health politics</i> - Daniel GRODOS, Elisabeth PAUL - [15h SEM]	25	-	[+]	5
DERM0430-1	<i>Elements of Dermatopathology</i> - Gérald PIERARD	15	-	-	2
PATH0430-2	<i>Elements of Infectious Pathology in Developing Countries</i> - Patrick DE MOL, Kinda SCHEPERS	20	-	-	3
METO0442-2	<i>Methodology of research in developing countries</i> - Denis PORIGNON	10	15	-	3
NUTR0440-1	<i>Nutrition Problems Specific to Developing Countries</i> - Jacques RIGO	15	-	-	2
SBIM0441-1	<i>Organisational approaches to laboratories in international health</i> - Danièle THULL	10	10	-	3
SOCI1240-2	<i>Sociology of Interventions in Developing Countries</i> - Marc PONCELET	30	-	-	3
SBIM0442-1	<i>Medication in international health</i> - Aline HONORÉ	10	-	-	2
SBIM0443-1	<i>Organisation of health care and geo-climatological parameters</i> - Pierre OZER	15	-	-	2
SBIM0439-2	<i>Bibliographic research</i> - Patrick DE MOL	-	-	-	5

C. Biological analyses - Coordinator : Jean-Paul Chapelle

Note : Courses QUAL0430, MICR0431, SBIM0450, SBIM0452, SBIM0453, SBIM0454, SBIM0437 could be given in English.

QUAL0430-2	<i>Quality assurance systems in analysis laboratories</i> - Jean-Paul CHAPELLE	10	5	-	3
MICR0431-2	<i>Complements of Microbiology</i> - Pierrette MELIN	15	10	-	3
IMMU0430-1	<i>Immunodosages</i> - Julien COLETTE	5	10	-	3
SBIM0450-1	<i>Complements of Clinical Chemistry II</i> - Jean-Paul CHAPELLE	15	10	-	3
SBIM0451-2	<i>The application of molecular biology techniques to clinical biology</i> - Marie-Paule MERVILLE	15	25	-	4
SBIM0452-1	<i>Cellular and molecular biology of acute and chronic inflammation</i> -	15	-	-	3

	HARIOT				
SBIM0453-1	<i>Haematology complements</i> - André GOTHOT	15	-	-	3
SBIM0454-1	<i>Monitoring renal pathologies</i> - Etienne CAVALIER	10	-	-	2
SBIM0437-1	<i>Biosafety</i> - Willy ZORZI	5	5	-	1
SBIM0439-3	<i>Bibliographic research</i> - Jean-Paul CHAPELLE	-	-	-	5

D. Pharmacology and toxicology - Coordinator : Vincent Seutin

Note : Courses PHAC0430, EPID0441, METO0441, GENE0430, SBIM0461, SBIM0437 could be given in English.

PHAC0430-2	<i>Special pharmacology III</i> - Vincent SEUTIN	30	-	-	4
EPID0430-1	<i>Methodology of Clinical Trials</i> - André SCHEEN	10	-	-	2
EPID0441-1	<i>Pharmaco-epidemiology and Pharmaco-economics</i> - Olivier ETHGEN	10	-	-	2
TOXI0441-1	<i>Experimental Toxicology</i> - Corinne CHARLIER	10	-	-	2
METO0441-1	<i>Methodology of Pharmaceutical Research</i> - Josse THOMAS	15	10	-	3
SBIM0460-1	<i>Introduction to the Pharmaceutical Technology</i> - Géraldine PIEL	15	10	-	3
GENE0430-2	<i>Medical applications in genetic engineering</i> - Vincent BOURS	10	10	-	2
SBIM0461-1	<i>Radiomarking and the medical and experimental use of tracers</i> - Joël AERTS	10	-	-	2
SBIM0462-1	<i>Pharmacology and addiction clinic</i> - Emmanuel PINTO	10	-	-	2
SBIM0463-1	<i>Biocompatibility of implants and biomaterials</i> - Christian GRANDFILS	10	-	-	2
SBIM0437-4	<i>Biosafety</i> - Willy ZORZI	10	5	-	1
SBIM0439-4	<i>Bibliographic research</i> - Vincent SEUTIN	-	-	-	5

E. Neuroscience - Coordinator : Vincent Seutin

Note : Courses SBIM0471, SBIM0472, SBIM0474, SBIM0477 could be given in English.

SBIM0470-1	<i>Systems Neurobiology</i> - Jacques BALTHAZART	20	-	-	3
SBIM0471-1	<i>Questions of macroscopic physiology of the nervous system</i> - Robert POIRRIER	20	-	-	3
SBIM0472-1	<i>In vivo methodology in neuroscience</i> - Rachele FRANZEN	20	-	-	3
SBIM0473-1	<i>Functional neuro-anatomy in vertebrates</i> - Rachele FRANZEN	30	-	-	4
SBIM0474-1	<i>Biophysics and molecular biology of ion channels</i> - Lucien BETTENDORFF, Doru-Georg MARGINEANU, Vincent SEUTIN	20	-	-	3
SBIM0475-1	<i>Pathologies of the nervous system</i> - Eric SALMON	20	10	-	3
PSYC0908-1	<i>Psychobiological questions</i> - Ezio TIRELLI	20	-	-	3
SBIM0477-1	<i>Functional imagery in humans</i> - Pierre MAQUET	20	-	-	3
SBIM0439-5	<i>Bibliographic research</i> - Vincent SEUTIN	-	-	-	5

F. Oncology and immunology - Coordinator : Agnès Noël

Note : Courses SBIM0480, SBIM0483, SBIM0484, SBIM0437 could be given in English.

SBIM0480-1	<i>Anatomical pathology of tumours</i> - Jorge ARRESE ESTRADA - [10h SEM]	10	10	[+]	3
SBIM0481-1	<i>Molecular and cellular oncology</i> - Yvette HABRAKEN, Agnès NOËL, Rose WINKLER - [20h SEM]	30	-	[+]	6
SBIM0482-1	<i>Vaccination</i> - Ernst HEINEN, Olivier JOLOIS - [10h SEM]	10	5	[+]	3
SBIM0483-1	<i>Bioactive molecules in immunology</i> - Vincent GEENEN - [5h SEM]	10	10	[+]	4
SBIM0484-1	<i>Immunology of tumours</i> - Nathalie JACOBS - [10h SEM]	10	-	[+]	3
SBIM0437-2	<i>Biosafety</i> - Willy ZORZI - [10h SEM]	10	5	[+]	3
SBIM0439-6	<i>Bibliographic research</i> - Agnès NOËL	-	-	-	5
SBIM0485-1	<i>Anatomical pathology of cutaneous tumours and environmental factors in cancerology</i> - Pascale QUATRESOOZ	10	-	-	3

Professional Focus in Quality Assurance

Compulsory courses

Note : Some courses listed below may be given in English.

Coordinator : Philippe HUBERT

QUAL0431-1	<i>Internal and external audits</i> - Ahmed IGOUT	10	20	-	3
QUAL0432-1	<i>Quality Assurance for IT systems</i> - Eric ROZET	5	-	-	1
QUAL0433-1	<i>Organisation and quality assurance in a trial laboratory</i> - Philippe HUBERT	5	10	-	2
QUAL0434-1	<i>Validation of quantitative analysis methods</i> - Philippe HUBERT	10	10	-	2
QUAL0435-1	<i>Microbiological quality assurance of the environment</i> - Patrick DE MOL, Pierrette MELIN	10	15	-	3
QUAL0436-1	<i>Quality assurance linked to foodstuffs</i>				2

	- <i>partim I : aspects chimiques</i> - Marie-Louise SCIPPO	7,5	-	-	
	- <i>partim II : aspects biologiques</i> - Georges DAUBE	7,5	-	-	
ESHY0057-1	<i>General Safety Organization</i> - Christine GRIGNET, Anne GROGNA, Marcel RÉSIMONT	14	-	-	2
QUAL0437-1	<i>Statistical data analysis using informatic tools</i> - Paul GÉRARD	15	-	-	2
GEST0188-1	<i>Determination and Recognition of Quality and Conformity</i> - Jean-Marie RIGO	30	-	-	4
QUAL0723-1	<i>Assessment and quality assurance methods in healthcare institutions</i> - Pierre GILLET	20	-	-	2
QUAL0430-1	<i>Quality assurance systems in analysis laboratories</i> - Jean-Paul CHAPELLE	10	-	-	2
QUAL0438-1	<i>Good Manufacturing Practices (GMP) (english language)</i> - Lucas FOTSING, Philippe HUBERT	10	10	-	2
QUAL0439-1	<i>Chemical quality assurance of the environment</i> - Gauthier EPPE	15	15	-	3

Professional Focus in Cosmetology

Compulsory courses

Note : Courses COSM0430, COSM0434, COSM0436, COSM0439, COSM0442 could be given in English.

Coordinator : Gérald PIERARD

COSM0430-1	<i>Non-invasive in vivo biometrology applied to the evaluation of the tolerance of products applied to the skin, dander and mucous membranes</i> - Gérald PIERARD	15	15	-	2
COSM0431-1	<i>Environment, life cycle of products and biodegradation</i> - Jean-François HERMANN	15	-	-	2
COSM0432-1	<i>Functions and physico-chemical properties of raw materials in cosmetology</i> - Géraldine PIEL	15	-	-	2
COSM0433-2	<i>Intolerance and cutaneous cancerogenesis relating to cosmetics</i> - Claudine FRANCHIMONT, Gérald PIERARD	10	-	-	2
COSM0434-1	<i>Cosmetology : Belgian, European and extra-European regulation, copyright and patents</i> - Joëlle MEUNIER	10	5	-	2
COSM0435-1	<i>Ex vivo testing methods on the corneal layer, hair and nails</i> - Claudine FRANCHIMONT, Gérald PIERARD	5	10	-	2
COSM0436-2	<i>In vitro alternatives to animal experimentation, predicting the effectiveness and toxic risks of cosmetics</i> - Gérald PIERARD	10	5	-	2
EPID0430-1	<i>Methodology of Clinical Trials</i> - André SCHEEN	10	-	-	2
COSM0437-1	<i>Physiology, immunology and microanatomie of skin, dander, mucous membranes and teeth</i> - Gérald PIERARD - Suppl : Pascale QUATRESOOZ	30	-	-	3
COSM0438-2	<i>Principles of formulation applied to cosmetology, 15h Th, 30h Pr</i> - Géraldine PIEL	15	20	-	3
COSM0439-1	<i>Issues in microbiology in cosmetology</i> - Pierrette MELIN	15	-	-	2
COSM0440-1	<i>Special questions relating to different types of cosmetics and cosmeceuticals</i> - Claudine FRANCHIMONT, Gérald PIERARD	15	-	-	2
COSM0441-1	<i>Systemic toxic risks linked to cosmetics</i> - Corinne CHARLIER	15	-	-	2
COSM0442-1	<i>Xenobiotics and living cells</i> - Christian GRANDFILS	15	-	-	2