

First Year

First semester

Compulsory courses

Module humain "pathologique"

ANAP0230-5	<i>General pathological anatomy</i> - Jacques BONIVER, Philippe DELVENNE - [7h SI]	20	10	[+]	5
PHYL0230-5	<i>Pathological physiology</i> - N... - [7h SI, 10h SEM]	20	-	[+]	5
BIOC9230-4	<i>Pathological biochemistry</i> - Thierry GRISAR - [7h SI, 10h SEM]	20	-	[+]	5
IMMU0230-4	<i>Pathological immunology</i> - Michel MOUTSCHEN - [7h SI]	10	-	[+]	2
PHAC0130-7	<i>General pharmacology</i> - Vincent SEUTIN - [7h SI]	20	-	[+]	3
MICR0330-4	<i>Medical microbiology</i> - Patrick DE MOL - [7h SI]	25	10	[+]	5

Specific Module

INFO0430-1	<i>Notions of bioinformatics</i> - N... - Suppl : Olivier PEULEN	10	-	-	2
LABO0432-1	<i>Techniques for cells and tissue cultures</i> - Marie-Claire GILLET	5	20	-	3
TOXI0004-1	<i>Principles of toxicology</i> - Corinne CHARLIER	20	-	-	3

Second semester

Compulsory courses

CHIM0430-1	<i>Elements in analytical chemistry</i> - Jacques CROMMEN	20	40	-	4
CHIM0217-1	<i>Elements of medical chemistry</i> - Jean-Paul CHAPELLE	15	-	-	2
LABO0431-1	<i>Integrated practical work</i> - Agnès NOËL	5	35	-	4

Optional courses

Choose courses totalling 17 ECTS from :

Study Path : Nutrition

NUTR0433-1	<i>Principles of Food Technology</i>	20	-	-	5
NUTR0434-1	<i>Child nutrition</i> - Jacques RIGO	25	-	-	7
DIGT0430-1	<i>Biochemical and Physiological Aspects of the Digestive System</i> - Bernard ROGISTER	15	-	-	4
NUTR0435-1	<i>Human nutrition</i> - Nicolas PAQUOT	25	-	-	4

Study Path : Biomedical aspects specific to developing countries

GEST0430-1	<i>Organization of health systems and programs in developing countries</i> - Denis PORIGNON	10	-	-	2
PATH0431-1	<i>Introduction to health in an international context (incl infectious diseases)</i> - Denis PORIGNON	20	-	-	4
PVDE0430-1	<i>Organisms Providing Help to Developing Countries</i> - Denis PORIGNON	10	-	-	2
DERM0430-1	<i>Elements of Dermatopathology</i> - Gérald PIERARD	15	-	-	4
METO0442-1	<i>Methodology of research in developing countries</i> - Denis PORIGNON	15	-	-	4
NUTR0440-1	<i>Nutrition Problems Specific to Developing Countries</i> - Jacques RIGO	15	-	-	4

Study Path : Clinical Biology

QUAL0430-1	<i>Quality assurance systems in analysis laboratories</i> - Jean-Paul CHAPELLE	10	-	-	2
MICR0431-1	<i>Complements of Microbiology</i> - Pierrette MELIN	15	-	-	4
IMMU0430-1	<i>Immunodosages</i> - Julien COLETTE	5	10	-	2
SANG0430-1	<i>Hematology</i> - André GOTHOT	15	-	-	4
TOXI0431-1	<i>Clinical Toxicology and Therapeutic drug monitoring</i> - Corinne CHARLIER	15	-	-	4
CHIM0440-1	<i>Complements of medical Chemistry</i> - Jean-Paul CHAPELLE	15	-	-	4

Study Path : Biomedical Research

BIOL0430-1	<i>Molecular Biology of Cellular Regulations</i>	15	-	-	4
LABO0433-1	<i>Modern Morphological Methods in Biomedical Research</i> - Roland GREIMERS	10	-	-	2
ONCO0430-1	<i>Cellular and Molecular Oncology</i>	15	-	-	4
NEUR0430-1	<i>Principles of neurobiology</i> - Pierre LEPRINCE	20	-	-	4
GENE0430-1	<i>Medical applications in genetic engineering</i> - Vincent BOURS	15	15	-	6

Study Path : Clinical and Toxicological Pharmacology

PHAC0430-1	<i>Special pharmacology III</i> - Vincent SEUTIN	20	-	-	4
EPID0430-1	<i>Methodology of Clinical Trials</i> - André SCHEEN	10	-	-	3
EPID0441-1	<i>Pharmaco-epidemiology and Pharmaco-economics</i> - N... - Suppl : Olivier ETHGEN	10	-	-	3
TOXI0441-1	<i>Experimental Toxicology</i> - Corinne CHARLIER	10	-	-	3
TOXI0440-2	<i>Environmental Pathologies, including Industrial Toxicology</i> - N... - Suppl : Christian CABUT	15	-	-	3

METO0441-1	<i>Methodology of Pharmaceutical Research - N...</i>	15	10	-	4
Orientation : Biomedical Engineering : treating signals					
ELEC0430-1	<i>Electricity and Electronics Basics - N... - Suppl : Jacques DESTINÉ</i>	30	-	-	6
ELEN0430-1	<i>Image Acquisition and Processing - N... - Suppl : Marc VAN DROOGENBROECK</i>	15	-	-	3
INFO0440-1	<i>Data processing (included data processing applied to biomedical processes) - N...</i>	25	-	-	5
MATH0430-1	<i>Modélisation mathématique des systèmes physiologiques</i>	15	-	-	3
ELEN0440-1	<i>Analysis of Physiological Signals - N...</i>	30	-	-	6
Study Path : Biomedical Engineering : Biomechanics					
BIOC0430-1	<i>Interaction between living organisms and material - Christian GRANDFILS</i>	25	-	-	5
PROT0430-1	<i>Biomedical robotics and active prostheses - N...</i>	25	-	-	5
MECA0440-1	<i>Solid mechanics - N...</i>	15	15	-	5
CHIM0076-2	<i>Polymers and Composites - Jean-Marie LIÉGEOIS</i>	15	10	-	5
META0430-1	<i>Metal-Ceramic Materials - N... - Suppl : Adrien MAGNÉE</i>	15	10	-	5
Miscellaneous					
MARK0430-1	<i>Marketing - Jean TONDEUR</i>	15	-	-	2
COMU0430-2	<i>Communication Techniques - Robert LEJEUNE</i>	15	20	-	2
CHIM0431-1	<i>Complements of Analytical Chemistry Applied to Drugs and Their Metabolites - Jacques CROMMEN</i>	20	20	-	3

Second Year

First semester

Compulsory courses

STAT0440-1	<i>Experimental models and statistics - Gérald PIERARD</i>	20	20	-	2,5
RADL0440-1	<i>Radiobiology - Philippe DELVENNE</i>	30	10	-	2,5
DOCU0440-1	<i>Scientific Documentation, Information Technologies, and Scientific English - Robert LEJEUNE - [30h SEM]</i>	5	20	[+]	3
DEON0440-1	<i>Questions of Ethics (including the Ethics Relating to the use of Animals in Research) - N... - Suppl : Pierre DRION</i>	10	-	-	1
LABO0430-1	<i>Laboratory practice - Agnès NOËL</i>	10	-	-	1

1st and 2nd semester

Optional courses

Choose courses totalling 20 ECTS from the following :

The sum of the courses not taken in the first year -