

Two-Year Master Program (120 ECTS)

First Year

First semester

Compulsory courses

Analysis and Technology Module

PHAR0343-3	<i>Pharmaceutical technology and biopharmacy</i> - Brigitte EVRARD - [5h SEM]	30	-	[+]	4
PHAR0344-3	<i>Analysis of drugs (Part I)</i> - Marianne FILLET	25	28	-	5

Module Pharmaco-toxology

PHAC0341-2	<i>Special pharmacology (Part I)</i> - Vincent SEUTIN	25	-	-	3
TOXI0341-2	<i>Clinical Toxicology and adverse drug events monitoring (Part I)</i> - Corinne CHARLIER - [13h SEM]	25	-	[+]	4

Module Biomedics

BIOC0340-1	<i>Clinical chemistry (1st part)</i> - Etienne CAVALIER - [13h SEM]	22	-	[+]	4
NUTR0711-1	<i>Nutrition and dietetic elements</i> - Nicolas PAQUOT	10	-	-	1
NUTR0712-1	<i>Nutrition and pathologies</i> - Nicolas PAQUOT	10	-	-	1
BIOC9234-2	<i>Biochemistry and normal and pathological human physiology - digestive system</i> - Didier CATALDO	15	-	-	2
BIOC9235-2	<i>Biochemistry and normal and pathological human physiology - urinary system</i> - Didier CATALDO	10	-	-	1

Module Health and Society

SANT0340-1	<i>Principles in the followup of pharmaceutical care</i> - Christian ELSÉN	10	-	-	1
PHAR2018-1	<i>Good medicinal pharmaceutical practices</i> - Patrick HERNÉ - [5h SEM]	10	-	[+]	1
ECON0340-1	<i>Pharmacoeconomy</i> - Thierry VAN HEES	10	-	-	1
COMU0340-1	<i>Communication Strategy</i> - Alain CHASPIERRE, Pierre FIRKET, Muriel ROCOUR - [10h SEM]	-	-	[+]	1

Second semester

Compulsory courses

Module Analysis and Technology

PHAR2020-1	<i>Practical integrated work</i> - Brigitte EVRARD, Marianne FILLET, Pierre FRANCOITTE, Michel FREDERICH, Philippe HUBERT, Géraldine PIEL, Bernard PIROTTE, AnneCatherine SERVAIS, Monique TITS, Eric ZIEMONS	-	40	-	2
PHAR0345-2	<i>Analysis of drugs (Part II)</i> - Marianne FILLET - [30h SEM]	20	-	[+]	5
PHAR0347-3	<i>Pharmaceutical Technology and Biopharmacy : experimental training</i> - Brigitte EVRARD	-	84	-	4

Module Pharmaco-toxology

PHAC0342-2	<i>Special pharmacology (Part II)</i> - Vincent SEUTIN	20	-	-	3
TOXI0342-2	<i>Clinical Toxicology and adverse drug events monitoring (Part II)</i> - Corinne CHARLIER - [12h SEM]	25	-	[+]	4

Module Biomedics

BIOC0341-1	<i>Clinical chemistry (2nd part)</i> - Etienne CAVALIER - [12h SEM]	23	-	[+]	4
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Module Health and Society

LEGI0340-2	<i>Pharmaceutical legislation and deontology</i> - Patrick HERNÉ - [5h SEM]	25	-	[+]	4
PSYC0340-2	<i>Psychology of the patient</i> - JeanMarc TRIFFAUX - [12h SEM]	-	-	[+]	1

Module Humans with Diseases / Illnesses

Courses by module

CAVS0340-2	<i>Multidisciplinary approach to human pathologies</i> - Didier CATALDO, Etienne CAVALIER, Corinne CHARLIER, Raphaël DENOZ, Brigitte EVRARD, Pierre FRANCOITTE, Michel FREDERICH, Philippe KOLH, Geneviève PHILIPPE, Géraldine PIEL, Bernard PIROTTE, AnneCatherine SERVAIS, Vincent SEUTIN, Monique TITS, Thierry VAN HEES - [30h PBL]	-	-	[+]	4
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Two laboratory visits

An educational trip is organised during Carnival week

Second year

Second semester

Compulsory courses

APPR0160-2	<i>Workshop of complex problem solving</i> - COLLÉGIALITÉ, Patrick HERNÉ, Geneviève PHILIPPE - [30h LBOPS]	-	-	[+]	2
MTFE0351-1	<i>Medicinal placement and final thesis</i>				28
	- <i>Integration of knowledge</i> - COLLÉGIALITÉ	-	-	-	
	- <i>Learning file</i> - COLLÉGIALITÉ	-	-	-	
	- <i>Medicinal placement</i> - COLLÉGIALITÉ - [6mois Internship]	-	-	[+]	

Notice : Students must carry out or complete an official training programme of a legal length of six months. This programme involves the writing up of a learning field (Final work).

It could begin at the end of a successful BAC 3 and be carried out during the holidays which take place between the 1st and 2nd years of the Pharmaceutical Sciences Masters.

Choose one focus from the following :

Research Focus

First semester

Optional courses

Choose a placement from among :

MSTG0352-2	<i>Erasmus placement and complementary placement report</i> - COLLÉGIALITÉ - [450h Internship]	-	-	[+]	18
MSTG0353-2	<i>Cecodel placement and complementary placement report</i> - COLLÉGIALITÉ - [450h Internship]	-	-	[+]	18
MSTG0354-1	<i>Research placement in the French-speaking Belgium and complementary placement report</i> - COLLÉGIALITÉ - [450h Internship]	-	-	[+]	18

Notice : The training programme includes the writing of a report in English, which will then be publicly defended.

Choose one of the following courses :

LANG0130-1	<i>Scientific English Practice (note-taking)</i> - Christine FILOT, Vincent SEUTIN	5	25	-	6
LANG1988-1	<i>Assessment of language skills during the training</i> - COLLÉGIALITÉ	-	-	-	6

Choose one of the following courses :

STAT0420-1	<i>Biostatistics II, 2nd year</i> - Adelin ALBERT	15	15	-	6
STAT1225-1	<i>Assessment of scientific knowledge during the internship</i> - COLLÉGIALITÉ	-	-	-	6

Notice : The choice of the optional course depends on the location of the internship for instance a course in English and in statistics will be offered to students with an internship within ULG. But these courses can be replaced by equivalence courses or by an assessment of their linguistic and scientific competence (as defined by the council of study) for students with an internship abroad (Erasmus or Cecodel).

Professional focus in Pharmacy Practices, Advice and Follow-up

First semester

Compulsory courses

MICR0350-1	<i>Management of anti-infective drugs (microbiology)</i> - Thierry VAN HEES	10	-	-	2
PHAR0353-1	<i>Introduction to biopharmacy and pharmacokinetics</i> - Corinne CHARLIER, Géraldine PIEL, Vincent SEUTIN	10	-	-	2
INFO0351-1	<i>Pharmacy management</i> - Alain CHASPIERRE	10	-	-	2
PHAR0352-1	<i>Phytotherapy and food supplements containing herbs</i> - Monique TITS	10	-	-	2
SANT0350-1	<i>Heavy home care (including palliative care)</i> - Yvan HUON, Thierry VAN HEES	10	-	-	2

Optional courses

Choose one of the following courses :

MEDE0350-1	<i>Critical approach to homeopathy</i> - Monique TITS	10	-	-	2
VETE0350-1	<i>Veterinary Drug Delivery</i> - Brigitte EVRARD, Pascal GUSTIN, Bernard PIROTTE	10	-	-	2
GYNE0350-1	<i>Medicines, pregnancy and breast feeding</i> - Corinne CHARLIER	10	-	-	2
DERM0350-1	<i>Dermopharmacy</i> - N..., Arjen NIKKELS, Géraldine PIEL	10	-	-	2
PHAR0717-1	<i>Special questions relating to infectiology (vaccines and anti-parasitics)</i> - MariePierre HAYETTE	10	-	-	2
NUTR0713-1	<i>Critical approach to dietary supplement</i> - Michel FREDERICH, Nicolas PAQUOT, Monique TITS - [5h SEM]	5	-	[+]	2
PHAR2021-1	<i>Medication and elderly people</i> - Jean PETERMANS, Audrey SAMALEASUAREZ, Thierry VAN HEES	10	-	-	2

Students must choose a training programme and a complementary course specific to the chosen scientific discipline. This programme includes the writing of a report (in French) which will be publically defended.

Pharmacognosy

MSTG0358-2	<i>Period of instruction in the laboratory of pharmacognosy</i> - Michel FREDERICH - [300h Internship]	-	-	[+]	15
PHAR0718-1	<i>Complement of pharmacognosy</i>				3
	- <i>Personal research work</i> - Michel FREDERICH	10	-	-	
	- <i>Bibliographical research</i> - Geneviève PHILIPPE	5	-	-	

Mycology

MSTG0350-2	<i>Internship: Mycology</i> - Gabriel CASTILLO CABELLO - [300h Internship]	-	-	[+]	15
BOTA0411-2	<i>Complement of mycology</i>				3
	- <i>Personnal research work</i> - Gabriel CASTILLO CABELLO	10	-	-	
	- <i>Bibliographic research</i> - Geneviève PHILIPPE	5	-	-	

Clinical Toxicology

MSTG1351-2	<i>Training course : Clinical toxicology</i> - Corinne CHARLIER - [300h Internship]	-	-	[+]	15
TOXI0704-1	<i>Complement of clinical toxicology</i>				3
	- <i>Personal research work</i> - Corinne CHARLIER	10	-	-	
	- <i>Bibliographical research</i> - Geneviève PHILIPPE	5	-	-	

Pharmaceutical chemistry

MSTG0453-2	<i>Training : medicinal chemistry</i> - Bernard PIROTTE - [300h Internship]	-	-	[+]	15
CHIM0684-1	<i>Complement of pharmaceutical chemistry</i>				3
	- <i>Personal research work</i> - Bernard PIROTTE	10	-	-	
	- <i>Bibliographic research</i> - Geneviève PHILIPPE	5	-	-	

Clinical Pharmacy

MSTG0461-2	<i>Clinical pharmacy placements in hospitals</i> - Thierry VAN HEES - [300h Internship]	-	-	[+]	15
PHAR0719-1	<i>Complement of clinical pharmacy</i>				3
	- <i>Personal research work</i> - Thierry VAN HEES	10	-	-	
	- <i>Bibliographical research</i> - Geneviève PHILIPPE	5	-	-	

Clinical chemistry

MSTG0355-1	<i>Training course : Medical chemistry</i> - Etienne CAVALIER - [300h Internship]	-	-	[+]	15
CHIM0685-1	<i>Complement of clinical chemistry</i>				3
	- <i>Personal research work</i> - Etienne CAVALIER	10	-	-	
	- <i>Bibliographic research</i> - Geneviève PHILIPPE	5	-	-	

Pharmaceutical Technology

MSTG2350-2	<i>Training course : Pharmaceutical technology</i> - Brigitte EVRARD - [300h Internship]	-	-	[+]	15
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PHAR1354-1	<i>Complement of pharmaceutical technology</i> - <i>Personal research work</i> - Brigitte EVRARD - <i>Bibliographical research</i> - Geneviève PHILIPPE	10 5	- -	- -	3
Microbiology					
MSTG1352-2	<i>Internship : Microbiology</i> - MariePierre HAYETTE, Pierrette MELIN - [300h Internship]	-	-	[+]	15
MICR0718-1	<i>Complement of microbiology</i> - <i>Personal research work</i> - MariePierre HAYETTE, Pierrette MELIN - <i>Bibliographical research</i> - Geneviève PHILIPPE	10 5	- -	- -	3
Legislation and pharmaceutical deontology					
MSTG2044-2	<i>Placement : Legislation and Pharmaceutical Ethics</i> - Patrick HERNÉ - [300h Internship]	-	-	[+]	15
DEON0712-1	<i>Complement of legislation and pharmaceutical deontology</i> - <i>Personal research work</i> - Patrick HERNÉ - <i>Bibliographic research</i> - Geneviève PHILIPPE	10 5	- -	- -	3
Hospital Pharmacy					
MSTG2045-2	<i>Placement : Hospital pharmacy</i> - Thierry VAN HEES - [300h Internship]	-	-	[+]	15
PHAR2022-1	<i>Complement of hospital practice</i> - <i>Personal research work</i> - Thierry VAN HEES - <i>Bibliographical research</i> - Geneviève PHILIPPE	10 5	- -	- -	3
French scientific society of pharmacists (SSPF)					
MSTG2046-2	<i>Placement : SSPF</i> - Patrick HERNÉ - [300h Internship]	-	-	[+]	15
PHAR2023-1	<i>Complement of medicinal practice</i> - <i>Personal research work</i> - Patrick HERNÉ - <i>Bibliographical research</i> - Geneviève PHILIPPE	10 5	- -	- -	3
Belgian Pharmaceutical Association					
MSTG2047-2	<i>Placement : APB</i> - Patrick HERNÉ - [300h Internship]	-	-	[+]	15
PHAR2023-1	<i>Complement of medicinal practice</i> - <i>Personal research work</i> - Patrick HERNÉ - <i>Bibliographical research</i> - Geneviève PHILIPPE	10 5	- -	- -	3
Analysis of Medicines					
MSTG2352-2	<i>Training course : Analysis of drugs</i> - Marianne FILLET - [300h Internship]	-	-	[+]	15
PHAR1355-1	<i>Complement of drug analysis</i> - <i>Personal research work</i> - Marianne FILLET - <i>Bibliographical research</i> - Geneviève PHILIPPE	10 5	- -	- -	3
Analytical Chemistry					
MSTG1353-2	<i>Training course : Analytical chemistry</i> - Philippe HUBERT - [300h Internship]	-	-	[+]	15
CHIM0358-1	<i>Complement of analytical chemistry</i> - <i>Personal research work</i> - Philippe HUBERT - <i>Bibliographical research</i> - Geneviève PHILIPPE	10 5	- -	- -	3
Nutrition					
MSTG0760-1	<i>Placement : Nutrition</i> - Nicolas PAQUOT - [300h Internship]	-	-	[+]	15
NUTR0719-1	<i>Complement of nutrition</i> - <i>Personal research work</i> - Nicolas PAQUOT - <i>Bibliographical research</i> - Geneviève PHILIPPE	10 5	- -	- -	3

Professional Focus in Creation and Development of Medicines - Bio-analysis

First semester

Compulsory courses

PHAR0356-1	<i>Industrial Pharmacotechnics including BPF</i> - Brigitte EVRARD, Philippe HUBERT	10	-	-	2
PHAR0354-1	<i>Structural determination of organic compounds from spectra</i> - Pascal DE TULLIO, Michel FREDERICH	10	-	-	2
BIOL2025-1	<i>Medical and pharmaceutical applications in molecular biology</i> - Etienne CAVALIER, Alain CHARLOT	10	-	-	2
PHAR0355-1	<i>Complement of drug analysis in complex media</i> - Patrice CHIAP, Marianne FILLET	10	-	-	2
CHIM0350-1	<i>Strategies and tools used in the design and the development of new drugs</i> - Brigitte EVRARD, Michel FREDERICH, Bernard PIROTTE	10	-	-	2

Optional courses

Choose one of the following courses :

PHAR0357-1	<i>Biomarkers and proteomics : analytical aspects</i> - Marianne FILLET, Philippe HUBERT	10	-	-	2
PHAR2004-1	<i>In-depth ideas on pharmacokinetics and biopharmacy</i> - Corinne CHARLIER, Géraldine PIEL, Vincent SEUTIN	10	-	-	2
TOXI0350-1	<i>Experimental toxicology (in vitro tests)</i> - Corinne CHARLIER	10	-	-	2
SBIM0437-1	<i>Biosafety</i> - Willy ZORZI	5	5	-	2
PHAR2016-1	<i>Virology and antiviral theory</i> - Jacques PIETTE	10	-	-	2
PHAR2017-1	<i>Complement of bacteriology</i> - Bernard JORIS	10	-	-	2

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Pharmacognosy

MSTG0358-2	<i>Period of instruction in the laboratory of pharmacognosy</i> - Michel FREDERICH - [300h Internship]	-	-	[+]	15
PHAR0718-1	<i>Complement of pharmacognosy</i>				3
	- <i>Personal research work</i> - Michel FREDERICH	10	-	-	
	- <i>Bibliographical research</i> - Geneviève PHILIPPE	5	-	-	

Pharmacology

MSTG3350-2	<i>Training course : Pharmacology</i> - Vincent SEUTIN - [300h Internship]	-	-	[+]	15
PHAC0431-1	<i>Complement of pharmacology</i>				3
	- <i>Personal research work</i> - Vincent SEUTIN	10	-	-	
	- <i>Bibliographical research</i> - Geneviève PHILIPPE	5	-	-	

Clinical Toxicology

MSTG1351-2	<i>Training course : Clinical toxicology</i> - Corinne CHARLIER - [300h Internship]	-	-	[+]	15
TOXI0704-1	<i>Complement of clinical toxicology</i>				3
	- <i>Personal research work</i> - Corinne CHARLIER	10	-	-	
	- <i>Bibliographical research</i> - Geneviève PHILIPPE	5	-	-	

Pharmaceutical chemistry

MSTG0453-2	<i>Training : medicinal chemistry</i> - Bernard PIROTTE - [300h Internship]	-	-	[+]	15
CHIM0684-1	<i>Complement of pharmaceutical chemistry</i>				3
	- <i>Personal research work</i> - Bernard PIROTTE	10	-	-	
	- <i>Bibliographic research</i> - Geneviève PHILIPPE	5	-	-	

Analytical Chemistry

MSTG1353-2	<i>Training course : Analytical chemistry</i> - Philippe HUBERT - [300h Internship]	-	-	[+]	15
CHIM0358-1	<i>Complement of analytical chemistry</i>				3
	- <i>Personal research work</i> - Philippe HUBERT	10	-	-	
	- <i>Bibliographical research</i> - Geneviève PHILIPPE	5	-	-	

Clinical chemistry

MSTG0355-1	<i>Training course : Medical chemistry</i> - Etienne CAVALIER - [300h Internship]	-	-	[+]	15
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CHIM0685-1	<i>Complement of clinical chemistry</i>				3
	- <i>Personal research work</i> - Etienne CAVALIER	10	-	-	
	- <i>Bibliographic research</i> - Geneviève PHILIPPE	5	-	-	
Pharmaceutical Technology					
MSTG2350-2	<i>Training course : Pharmaceutical technology</i> - Brigitte EVRARD - [300h Internship]	-	-	[+]	15
PHAR1354-1	<i>Complement of pharmaceutical technology</i>				3
	- <i>Personal research work</i> - Brigitte EVRARD	10	-	-	
	- <i>Bibliographical research</i> - Geneviève PHILIPPE	5	-	-	
Analysis of Medicines					
MSTG2352-2	<i>Training course : Analysis of drugs</i> - Marianne FILLET - [300h Internship]	-	-	[+]	15
PHAR1355-1	<i>Complement of drug analysis</i>				3
	- <i>Personal research work</i> - Marianne FILLET	10	-	-	
	- <i>Bibliographical research</i> - Geneviève PHILIPPE	5	-	-	
Microbiology					
MSTG1352-2	<i>Internship : Microbiology</i> - MariePierre HAYETTE, Pierrette MELIN - [300h Internship]	-	-	[+]	15
MICR0718-1	<i>Complement of microbiology</i>				3
	- <i>Personal research work</i> - MariePierre HAYETTE, Pierrette MELIN	10	-	-	
	- <i>Bibliographical research</i> - Geneviève PHILIPPE	5	-	-	
Industry training					
MSTG2048-2	<i>Placement : Industry</i> - Brigitte EVRARD, Marianne FILLET, Michel FREDERICH, Philippe HUBERT, Bernard PIROTTE, Vincent SEUTIN - [300h Internship]	-	-	[+]	15
PHAR2024-1	<i>Complement of pharmaceutical industry practices</i>				3
	- <i>Personal research work</i> - Brigitte EVRARD, Marianne FILLET, Michel FREDERICH, Philippe HUBERT, Bernard PIROTTE, Vincent SEUTIN	10	-	-	
	- <i>Bibliographical research</i> - Geneviève PHILIPPE	5	-	-	