

Second Year

First semester

Compulsory courses

Module Analysis and Technology

PHAR0343-3	<i>Pharmaceutical technology and biopharmacy</i> - Brigitte EVRARD - [5h SEM]	30	-	[+]	4
PHAR0344-2	<i>Analysis of drugs (Partim I)</i> - Jacques CROMMEN	25	30	-	5

Module Pharmaco-toxology

PHAC0341-2	<i>Special pharmacology (Partim I)</i> - Vincent SEUTIN	25	-	-	3
TOXI0341-1	<i>Clinical Toxicology and adverse drug events monitoring (Partim I)</i> - Corinne CHARLIER - [12,5h SEM]	25	-	[+]	5

Module Biomedics

BIOC0340-1	<i>Pathological biochemistry, including clinical chemistry (Partim I)</i> - Jean-Paul CHAPELLE - [12,5h SEM]	22,5	-	[+]	4
PATH0340-1	<i>Additional issues in physiopathology</i> - Vincenzo D'ORIO	15	-	-	2
NUTR0341-1	<i>Nutrition</i> - Jacques RIGO	15	-	-	2

Module Health and Society

ECON0340-1	<i>Pharmacoeconomy</i> - Jean-Pierre DELPORTE	10	-	-	1
COMU0340-1	<i>Communication Strategy</i> - Véronique SERVAIS - [10h SEM]	-	-	[+]	1

Second semester

Compulsory courses

Module Analysis and Technology

PHAR0345-2	<i>Analysis of drugs (Partim II)</i> - Jacques CROMMEN - [30h SEM]	20	-	[+]	5
PHAR0347-2	<i>Pharmaceutical Technology and Biopharmacy: experimental training</i> - Brigitte EVRARD	-	90	-	4

Module Pharmaco-toxology

PHAC0342-2	<i>Special pharmacology (Partim II)</i> - Vincent SEUTIN	20	-	-	3
TOXI0342-1	<i>Clinical Toxicology and adverse drug events monitoring (Partim II)</i> - Corinne CHARLIER - [12,5h SEM]	25	-	[+]	4

Module Biomedics

BIOC0341-1	<i>Pathological biochemistry, including clinical chemistry (Partim II)</i> - Jean-Paul CHAPELLE - [12,5h SEM]	22,5	-	[+]	4
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Module Health and Society

LEGI0340-2	<i>Pharmaceutical legislation and deontology</i> - Patrick HERNÉ - [5h SEM]	25	-	[+]	4
PSYC0340-1	<i>Psychology of the patient</i> - Georges HOUGARDY - [5h SEM]	10	-	[+]	2
SANT0340-1	<i>Principles in the followup of pharmaceutical care</i> - N... - Suppl : Christian ELSÉN	10	-	-	1

Module Humans with Diseases / Illnesses

Courses by module

(Elements of semiology and pathology, pathological biochemistry, pathological anatomy, supplements to physiopathology, medical genetics, special pharmacology, biopharmaceutical and pharmaceutical technology, toxicological chemistry)

CAVS0340-1	<i>Multidisciplinary approach to cardiovascular, digestive and respiratory disorders</i> - Luc ANGENOT, Jacques BONIVER, Vincent BOURS, Jean-Paul CHAPELLE, Corinne CHARLIER, Vincenzo D'ORIO, Jean-Olivier DEFRAIGNE, Brigitte EVRARD, Michel MOUTSCHEN, Bernard PIROTTE, Vincent SEUTIN, Monique TITS, Thierry VAN HEES - [60h APP]	-	-	[+]	6
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Third Year

First semester

Optional courses

For the courses in this semester students have the choice between two options, either a complementary education at the University of Liège, or a complementary education abroad :

1. Complementary Education at the University of Liège

Choose one module from the 2 five-day modules below and add 1 course (2 ECTS) from the module not chosen or

from the option course list :

Module 1

PHAR0352-1	<i>Phytotherapy and food supplements containing herbs</i> , - Luc ANGENOT, Michel FREDERICH, Monique TITS	10	-	-	2
INFO0351-1	<i>Computerised management of the pharmacy</i> - Adelin ALBERT - Suppl : Léon PÉTRÉ	10	-	-	2
MICR0350-1	<i>Management of anti-infective drugs (microbiology)</i> - Patrick DE MOL	10	-	-	2
SANT0350-1	<i>Heavy home care (including palliative care)</i> - Jean-Pierre DELPORTE, Yvan HUON	10	-	-	2
[...]	One course from Module 2 courses or the option course list				
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> - Arjen NIKKELS, Géraldine PIEL, Gérald PIERARD	10	-	-	2
TOXI0350-1	<i>Experimental toxicology (in vitro tests)</i> - Corinne CHARLIER	10	-	-	2
PHAR0357-1	<i>Complements of instrumental analysis</i> - Jacques CROMMEN, Philippe HUBERT	10	-	-	2
PHAR0353-1	<i>Complements of biopharmacy and pharmacokinetics</i> - Corinne CHARLIER, Géraldine PIEL, Vincent SEUTIN	10	-	-	2

Module 2

PHAR0354-1	<i>Structural determination of organic compounds from spectra</i> - Pascal DE TULLIO, Michel FREDERICH	10	-	-	2
[...]	One course from the list of option courses or Module 1 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> - Arjen NIKKELS, Géraldine PIEL, Gérald PIERARD	10	-	-	2
TOXI0350-1	<i>Experimental toxicology (in vitro tests)</i> - Corinne CHARLIER	10	-	-	2
PHAR0357-1	<i>Complements of instrumental analysis</i> - Jacques CROMMEN, Philippe HUBERT	10	-	-	2
PHAR0356-1	<i>Industrial Pharmacotechnics including BPF</i> - Brigitte EVRARD, Philippe HUBERT	10	-	-	2
BIOL0350-1	<i>Pharmaceutical applications of molecular biology</i> - Jean-Paul CHAPELLE, Alain CHARIOT	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
PHAR0355-1	<i>Complements of drug analysis in complex media</i> - Patrice CHIAP, Jacques CROMMEN, Marianne FILLET	10	-	-	2

Choose one training course and a complementary course connected to the scientific discipline chosen. This training course includes producing a training report which must be publicly defended.

Pharmacognosy

MSTG0358-1	<i>Period of instruction in the laboratory of pharmacognosy</i> - Luc ANGENOT - [225h- Internship]			[+]	15
PHAR0359-1	<i>Complements of pharmacognosy</i> - Luc ANGENOT	15	-	-	3

Mycology

MSTG0350-1	<i>Internship: Mycology</i> - Vincent DEMOULIN - [225h Internship]			[+]	15
BOTA0351-1	<i>Complement of mycology</i> - Vincent DEMOULIN	15	-	-	3

Pharmacology

MSTG3350-1	<i>Training course: Pharmacology</i> - Vincent SEUTIN - [225h Internship]			[+]	15
PHAC0351-1	<i>Complement of pharmacology</i> - Vincent SEUTIN	15	-	-	3

Clinical Toxicology

MSTG1351-1	<i>Training course: Clinical toxicology</i> - Corinne CHARLIER - [225h Internship]			[+]	15
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TOXI0352-1 *Complements of clinical toxicology* - Corinne CHARLIER 15 - - 3

Pharmaceutical chemistry

CHIM0352-1 *Complements of medicinal chemistry* - Bernard PIROTTE 15 - - 3
MSTG0453-1 *Training : medicinal chemistry* - Bernard PIROTTE - [225h Internship] - - [+] 15

Analytical Chemistry

MSTG1353-1 *Training course: Analytical chemistry* - Philippe HUBERT - [225h Internship] - - [+] 15
CHIM0354-1 *Complements of analytical chemistry* - Philippe HUBERT 15 - - 3

Clinical Pharmacy

MSTG0461-1 *Clinical pharmacy placements in hospitals* - Jean-Pierre DELPORTE, Yvan HUON, Thierry VAN HEES - [225h Internship] - - [+] 15
PHAR0360-1 *Introduction to clinical pharmacy placements in hospitals* - Jean-Pierre DELPORTE, Yvan HUON, Thierry VAN HEES 15 - - 3

Medical Chemistry

MSTG0355-1 *Training course: Medical chemistry* - Jean-Paul CHAPELLE - [225h Internship] - - [+] 15
CHIM0356-1 *Complements of clinical chemistry* - Jean-Paul CHAPELLE 15 - - 3

Pharmaceutical Technology

MSTG2350-1 *Training course: Pharmaceutical technology* - Brigitte EVRARD - [225h Internship] - - [+] 15
PHAR1351-1 *Complement of pharmaceutical technology* - Brigitte EVRARD 15 - - 3

Analysis of Medicines

MSTG2352-1 *Training course: Analysis of drugs* - Jacques CROMMEN - [225h Internship] - - [+] 15
PHAR1353-1 *Complements of drug analysis* - Jacques CROMMEN 15 - - 3

Microbiology

MSTG1352-1 *Internship : Microbiology* - Patrick DE MOL - [225h Internship] - - [+] 15
MICR0352-1 *More of microbiology* - Patrick DE MOL 15 - - 3

2. Complementary studies abroad

MSTG0351-1 *Erasmus or Cecodel placement* - - - 30
Notice : A dissertation in English will be presented and defended in a public defence.

Option course list

MEDE0350-1 *Critical approach to homeopathy* - Monique TITS 10 - - 2
VETE0350-1 *Veterinary Drug Delivery* - Brigitte EVRARD, Pascal GUSTIN, Bernard PIROTTE 10 - - 2
GYNE0350-1 *Medicines, pregnancy and breast feeding* - Corinne CHARLIER 10 - - 2
DERM0350-1 *Dermopharmacy* - Arjen NIKKELS, Géraldine PIEL, Gérald PIERARD 10 - - 2
TOXI0350-1 *Experimental toxicology (in vitro tests)* - Corinne CHARLIER 10 - - 2
PHAR0357-1 *Complements of instrumental analysis* - Jacques CROMMEN, Philippe HUBERT 10 - - 2

Two laboratory visits
Second semester

Compulsory courses

MTFE0350-1 *Medicinal placement* - COLLÉGIALITÉ - - - 30
Notice : Students must carry out or complete an official training programme of a legal length of six months.
This programme begin at the end of a succesful 1st year and be carried out during the holidays which take place between the 2nd and 3rd years of the Pharmaceutical Sciences degree.
ARPs are organised during semester 2 (3rd year).