

First Year

First semester

Compulsory courses

Module Analysis and Technology

CHIM0330-1 *Analytical chemistry (Partim I)* - Philippe HUBERT 15 40 - 4

Module Pharmacology

CHIM0332-1 *Medicinal chemistry (Partim I)* - Bernard PIROTTE 37,5 40 - 8

PHAR0331-1 *Pharmacognosy (Partim I)* - Luc ANGENOT - [10h SEM] 22,5 20 [+] 6

Module Pharmaco-toxology

PHAC0130-1 *General pharmacology* - Vincent SEUTIN 20 - - 3

Module General Pathology

PATH0330-1 *Introduction to general pathology* - Jacques BONIVER, Vincent BOURS, Jean-Paul CHAPELLE, Jean-Olivier DEFRAIGNE, Michel MOUTSCHEN - [18h SEM] 38 - [+] 8

Second semester

Compulsory courses

Module Analysis and Technology

PHAR0330-1 *Physico-chemical principles applied to pharmaceutical technology* - Brigitte EVRARD 20 - [+] 4
- [10h SEM]

CHIM0331-1 *Analytical chemistry (Partim II)* - Philippe HUBERT - [20h SEM] 15 - [+] 5

Module Pharmacology

CHIM0333-1 *Medicinal chemistry (Partim II)* - Bernard PIROTTE - [20h SEM] 37,5 - [+] 8

PHAR0332-1 *Pharmacognosy (Partim II)* - Luc ANGENOT - [10h SEM] 22,5 20 [+] 5

Module Biomedics

MICR0330-1 *Medical microbiology (I)* - Patrick DE MOL 30 15 - 5

Module Health and Society

SANT0330-1 *Contextual approach to treatment and prevention* - Philippe MAIRIAUX 10 - - 2

Module Learning

APPR0330-1 *Documentary research applied to pharmaceutical sciences* - Robert LEJEUNE 8 7 - 2

Second Year

First semester

Compulsory courses

Module Analysis and Technology

PHAR0343-3 *Pharmaceutical technology and biopharmacy* - Brigitte EVRARD - [5h SEM] 30 - [+] 4

PHAR0344-2 *Analysis of drugs (Partim I)* - Jacques CROMMEN 25 30 - 5

Module Pharmaco-toxology

PHAC0341-2 *Special pharmacology (Partim I)* - Vincent SEUTIN 25 - - 3

TOXI0341-1 *Clinical Toxicology and adverse drug events monitoring (Partim I)* - Corinne CHARLIER - [12,5h SEM] 25 - [+] 5

Module Biomedics

BIOC0340-1 *Pathological biochemistry, including clinical chemistry (Partim I)* - Jean-Paul CHAPELLE - [12,5h SEM] 22,5 - [+] 4

PATH0340-1 *Additional issues in physiopathology* - Vincenzo D'ORIO 15 - - 2

NUTR0341-1 *Nutrition* - Jacques RIGO 15 - - 2

Module Health and Society

ECON0340-1 *Pharmacoeconomy* - Jean-Pierre DELPORTE 10 - - 1

COMU0340-1 *Communication Strategy* - Véronique SERVAIS - [10h SEM] - - [+] 1

Second semester

Compulsory courses

Module Analysis and Technology

PHAR0345-2 *Analysis of drugs (Partim II)* - Jacques CROMMEN - [30h SEM] 20 - [+] 5

PHAR0347-2 *Pharmaceutical Technology and Biopharmacy: experimental training* - Brigitte EVRARD - 90 - 4

Module Pharmaco-toxology

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

Module Biomedics

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

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

Module Humans with Diseases / Illnesses

Cours par module

(Eléments de sémiologie et pathologie, biochimie pathologique, anatomie pathologique, compléments de physiopathologie, génétique médicale, pharmacologie spéciale, chimie pharmaceutique, pharmacognosie, technologie pharmaceutique et biopharmacie, chimie toxicologique)

CAVS0340-1	<i>Approche multidisciplinaire des pathologies cardio-vasculaires, digestives et respiratoires - 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]</i>	-	-	[+]	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, - Luc ANGENOT, Michel FREDERICH, Monique TITS</i>	10	-	-	2
INFO0351-1	<i>Computerised management of the pharmacy - Adelin ALBERT - Suppl : Léon PÉTRÉ</i>	10	-	-	2
MICR0350-1	<i>Management of anti-infective drugs (microbiology) - Patrick DE MOL, Christine ERNES</i>	10	-	-	2
SANT0350-1	<i>Heavy home care (including palliative care) - Jean-Pierre DELPORTE, Yvan HUON</i>	10	-	-	2
[...]	One course from Module 2 courses or the option course list				
MEDE0350-1	<i>Critical approach to homeopathy - Monique TITS</i>	10	-	-	2
VETE0350-1	<i>Veterinary Drug Delivery - Brigitte EVRARD, Pascal GUSTIN, Bernard PIROTTE</i>	10	-	-	2
GYNE0350-1	<i>Medicines, pregnancy and breast feeding - Corinne CHARLIER</i>	10	-	-	2
DERM0350-1	<i>Dermopharmacy - Michel DE LA BRASSINNE, N..., Gérald PIERARD</i>	10	-	-	2
TOXI0350-1	<i>Experimental toxicology (in vitro tests) - Corinne CHARLIER</i>	10	-	-	2
PHAR0357-1	<i>Complements of instrumental analysis - Jacques CROMMEN, Philippe HUBERT</i>	10	-	-	2
PHAR0353-1	<i>Complements of biopharmacy and pharmacokinetics - Corinne CHARLIER, Brigitte EVRARD, Vincent SEUTIN</i>	10	-	-	2

Module 2

PHAR0354-1	<i>Structural determination of organic compounds - Pascal DE TULLIO, Michel FREDERICH</i>	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> - Michel DE LA BRASSINNE, N..., 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
BIOL0350-1	<i>Pharmaceutical applications of molecular biology</i> - Jean-Paul CHAPELLE, Alain CHARLOT	10	-	-	2
PHAR0356-1	<i>Industrial Pharmaceutics including BPF</i> - Brigitte EVRARD, Philippe HUBERT	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

PHAR0358-1	<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

BOTA0350-1	<i>Internship: Mycology</i> - Vincent DEMOULIN - [225h Internship]	-	-	[+]	15
BOTA0351-1	<i>Complement of mycology</i> - Vincent DEMOULIN	15	-	-	3

Pharmacology

PHAC0350-1	<i>Training course: Pharmacology</i> - Vincent SEUTIN - [225h Internship]	-	-	[+]	15
PHAC0351-1	<i>Complement of pharmacology</i> - Vincent SEUTIN	15	-	-	3

Clinical Toxicology

TOXI0351-1	<i>Training course: Clinical toxicology</i> - Corinne CHARLIER - [225h Internship]	-	-	[+]	15
TOXI0352-1	<i>Complements of clinical toxicology</i> - Corinne CHARLIER	15	-	-	3

Pharmaceutical chemistry

CHIM0352-1	<i>Complements of medicinal chemistry</i> - Bernard PIROTTE	15	-	-	3
CHIM0351-1	<i>Training : medicinal chemistry</i> - Bernard PIROTTE - [225h Internship]	-	-	[+]	15

Analytical Chemistry

CHIM0353-1	<i>Training course: Analytical chemistry</i> - Philippe HUBERT - [225h Internship]	-	-	[+]	15
CHIM0354-1	<i>Complements of analytical chemistry</i> - Philippe HUBERT	15	-	-	3

Clinical Pharmacy

PHAR0361-1	<i>Practical training: Clinical Pharmacy</i> - Jean-Pierre DELPORTE, Yvan HUON, Thierry VAN HEES - [225h Internship]	-	-	[+]	15
PHAR0360-1	<i>Complementary course in clinical pharmacy</i> - Jean-Pierre DELPORTE, Yvan HUON, Thierry VAN HEES	15	-	-	3

Medical Chemistry

CHIM0355-1	<i>Training course: Medical chemistry</i> - Jean-Paul CHAPELLE - [225h Internship]	-	-	[+]	15
CHIM0356-1	<i>Complements of clinical chemistry</i> - Jean-Paul CHAPELLE	15	-	-	3

Pharmaceutical Technology

PHAR1350-1	<i>Training course: Pharmaceutical technology</i> - Brigitte EVRARD - [225h Internship]	-	-	[+]	15
PHAR1351-1	<i>Complement of pharmaceutical technology</i> - Brigitte EVRARD	15	-	-	3

Analysis of Medicines

PHAR1352-1	<i>Training course: Analysis of drugs</i> - Jacques CROMMEN - [225h Internship]	-	-	[+]	15
PHAR1353-1	<i>Complements of drug analysis</i> - Jacques CROMMEN	15	-	-	3

Microbiology

MICR0351-1	<i>Internship : Microbiology</i> - Patrick DE MOL - [225h Internship]	-	-	[+]	15
MICR0352-1	<i>More of microbiology</i> - Patrick DE MOL	15	-	-	3

2. Complementary studies abroad

MSTG0351-1	<i>Stage Erasmus ou Cecodel</i>	-	-	-	30
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Notice : A dissertation in English will be presented and defended in a public defence.

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> - Michel DE LA BRASSINNE, N..., 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

Deux visites de laboratoires

Second semester

Compulsory courses

MSTG0350-1	<i>Stage officinal</i>	-	-	-	30
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Notice : Les étudiants doivent effectuer ou terminer un stage officinal d'une durée légale de six mois.

Ce stage peut commencer à l'issue de la réussite de la 1^{re} épreuve et se poursuivre pendant les vacances situées entre la 2^e et 3^e épreuves en sciences pharmaceutiques.

Des ARPC sont organisés pendant le quadrimestre 2 (3^e épreuve).