

## 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 Pharmacology

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 ELSEN	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>Integrated practical work</i> - Brigitte EVRARD, Marianne FILLET, Pierre FRANCOITTE, Michel FREDERICH, Philippe HUBERT, Géraldine PIEL, Bernard PIROTTE, AnneCatherine SERVAIS, Monique TITS, Eric ZIEMONS	-	40	-	2
PHAR2219-1	<i>Integrated work 2</i> - Corinne CHARLIER, Brigitte EVRARD, Marianne FILLET, Pierre FRANCOITTE, Michel FREDERICH, Philippe HUBERT, Géraldine PIEL, Bernard PIROTTE, AnneCatherine SERVAIS, Monique TITS, Eric ZIEMONS - [30h LBOPS]	-	-	[+]	1
PHAR0345-3	<i>Analysis of drugs (Part II)</i> - Marianne FILLET	20	-	-	4
PHAR0347-3	<i>Pharmaceutical Technology and Biopharmacy : experimental training</i> - Brigitte EVRARD	-	84	-	4

#### Module Pharmacology

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

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 CHARIOT	10	-	-	2
PHAR0355-1	<i>Chement 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

**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
PHAR0718-2	<i>Complement of pharmacognosy</i> - <i>Personal research work</i> - Michel FREDERICH	10	-	-	3
	- <i>Drafting methodology</i> - Geneviève PHILIPPE	5	-	-	

**Pharmacology**

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

**Clinical Toxicology**

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

**Pharmaceutical chemistry**

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

**Analytical Chemistry**

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

**Clinical chemistry**

### Master in Pharmacy, Professional Focus in Creation and Development of medicines - bio-analysis

MSTG0355-1	<i>Training course : Medical chemistry</i> - Etienne CAVALIER - [300h Internship]	-	-	[+]	<b>15</b>
CHIM0685-2	<i>Complement of clinical chemistry</i>				<b>3</b>
	- <i>Personal research work</i> - Etienne CAVALIER	10	-	-	
	- <i>Drafting methodology</i> - Geneviève PHILIPPE	5	-	-	

#### Pharmaceutical Technology

MSTG2350-2	<i>Training course : Pharmaceutical technology</i> - Brigitte EVRARD - [300h Internship]	-	-	[+]	<b>15</b>
PHAR1354-2	<i>Complement of pharmaceutical technology</i>				<b>3</b>
	- <i>Personal research work</i> - Brigitte EVRARD	10	-	-	
	- <i>Drafting methodology</i> - Geneviève PHILIPPE	5	-	-	

#### Analysis of Medicines

MSTG2352-2	<i>Training course : Analysis of drugs</i> - Marianne FILLET - [300h Internship]	-	-	[+]	<b>15</b>
PHAR1355-2	<i>Complement of drug analysis</i>				<b>3</b>
	- <i>Personal research work</i> - Marianne FILLET	10	-	-	
	- <i>Drafting methodology</i> - Geneviève PHILIPPE	5	-	-	

#### Microbiology

MSTG1352-2	<i>Internship : Microbiology</i> - MariePierre HAYETTE, Pierrette MELIN - [300h Internship]	-	-	[+]	<b>15</b>
MICR0718-2	<i>Complement of microbiology</i>				<b>3</b>
	- <i>Personal research work</i> - MariePierre HAYETTE, Pierrette MELIN	10	-	-	
	- <i>Drafting methodology</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]	-	-	[+]	<b>15</b>
PHAR2024-2	<i>Complement of pharmaceutical industry practices</i>				<b>3</b>
	- <i>Personal research work</i> - Brigitte EVRARD, Marianne FILLET, Michel FREDERICH, Philippe HUBERT, Bernard PIROTTE, Vincent SEUTIN	10	-	-	
	- <i>Drafting methodology</i> - Geneviève PHILIPPE	5	-	-	

Second semester

#### Compulsory courses

APPR0160-2	<i>Workshop of complex problem solving</i> - COLLÉGIALITÉ - [30h LBOPS]	-	-	[+]	<b>2</b>
MTFE0351-1	<i>Medicinal placement and final thesis</i>				<b>28</b>
	- <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.