

## First Year

First semester

### Compulsory courses

#### Analysis and Technology Module

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

#### Module Pharmacology

PHAC0341-2	<i>Special pharmacology (Partim I)</i> - Vincent SEUTIN	25	-	-	3
TOXI0341-1	<i>Clinical Toxicology and adverse drug events monitoring (Part I)</i> - Corinne CHARLIER - [12,5h SEM]	25	-	[+]	4

#### Module Biomedicine

BIOC0340-1	<i>Pathological biochemistry, including clinical chemistry (Part I)</i> - Jean-Paul CHAPELLE - [12,5h SEM]	22,5	-	[+]	4
NUTR0341-1	<i>Nutrition</i> - N...	15	-	-	2
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	-	-	2

#### Module Health and Society

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

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

#### Module Pharmacology

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

#### Module Biomedicine

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

#### 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> - Jean-Marc TRIFFAUX - [12h SEM]	-	-	[+]	2
SANT0340-1	<i>Principles in the followup of pharmaceutical care</i> - 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> - Vincent BOURS, Didier CATALDO, Jean-Paul CHAPELLE, Corinne CHARLIER, Vincenzo D'ORIO, Jean-Olivier DEFRAIGNE, Raphaël DENOZ, Brigitte EVRARD, Michel FREDERICH, Philippe KOLH, Michel MOUTSCHEN, Geneviève PHILIPPE, Géraldine PIEL, Bernard PIROTTE, Vincent SEUTIN, Monique TITS, Thierry VAN HEES - [60h APP]	-	-	[+]	6
------------	--	---	---	-----	---

#### Two laboratory visits

An educational trip is organised during Carnival week

## Second Year

First semester

### Compulsory courses

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

PHAR0356-1	<i>Industrial Pharmaceutics 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
BIOL0350-1	<i>Pharmaceutical applications of molecular biology</i> - Jean-Paul CHAPELLE, Alain CHARLOT	10	-	-	2
PHAR0355-1	<i>Complements 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>Complements 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

MSTG0358-1	<i>Period of instruction in the laboratory of pharmacognosy</i> - Michel FREDERICH - [225h Internship]	-	-	[+]	15
PHAR0359-1	<i>Complements of pharmacognosy</i> - Michel FREDERICH	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
TOXI0352-1	<i>Complements of clinical toxicology</i> - Corinne CHARLIER	15	-	-	3

#### Pharmaceutical chemistry

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

#### Analytical Chemistry

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

#### Medical Chemistry

MSTG0355-1	<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

MSTG2350-1	<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

MSTG2352-1	<i>Training course : Analysis of drugs</i> - Marianne FILLET - [225h Internship]	-	-	[+]	15
PHAR1353-1	<i>Complements of drug analysis</i> - Marianne FILLET	15	-	-	3

#### Microbiology

MSTG1352-1	<i>Internship : Microbiology</i> - Marie-Pierre HAYETTE, Pierrette MELIN - [225h Internship]	-	-	[+]	<b>15</b>
MICR0352-1	<i>More of microbiology</i> - Marie-Pierre HAYETTE, Pierrette MELIN	15	-	-	<b>3</b>

#### Industry training

MSTG2048-1	<i>Placement : Industry</i> - Brigitte EVRARD, Marianne FILLET, Michel FREDERICH, Philippe HUBERT, Bernard PIROTTE, Vincent SEUTIN - [225h Internship]	-	-	[+]	<b>15</b>
PHAR2005-1	<i>Complements of pharmaceutical industry practices</i> - Brigitte EVRARD, Marianne FILLET, Michel FREDERICH, Philippe HUBERT, Bernard PIROTTE, Vincent SEUTIN	15	-	-	<b>3</b>

Second semester

#### Compulsory courses

MTFE0350-1	<i>Medicinal placement</i> - COLLÉGIALITÉ	-	-	-	<b>28</b>
APPR0160-2	<i>Workshop of complex problem solving</i> - COLLÉGIALITÉ - [30h LBOPS]	-	-	[+]	<b>2</b>

*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.