

#### Cycle view of the study programme

		Bl	Or	Th	Pr	Au	Cr
<b>Compulsory courses (B1 : 60Cr, B2 : 30Cr)</b>							
PHAR0344-3	<i>Medicines analysis</i> - Marianne FILLET	B1	Q1	45	28	-	7
PHAR0343-3	<i>Pharmaceutical technologies and biopharmacy (part I)</i> - Brigitte EVRARD	B1	Q1	20	60	-	4
PHAC0341-2	<i>Special pharmacology (Part I)</i> - Vincent SEUTIN	B1	Q1	25	-	-	3
TOXI0341-2	<i>Toxicological chemistry, Part I</i> - Toxicological chemistry - Corinne CHARLIER - Toxicological chemistry, supplement for pharmacy - Corinne CHARLIER - [12h SEM]	B1	Q1	20	-	-	4
				5	-	[+]	
BIOC0340-1	<i>Clinical Chemistry (Part I)</i> - Etienne CAVALIER - [12h SEM]	B1	Q1	22	-	[+]	4
MBIO0002-1	<i>Pharmaceutical Microbiology</i> - MariePierre HAYETTE	B1	Q1	16	-	-	2
PHAR2018-1	<i>Officinal pharmaceutical good practices</i> - Anna LECHANTEUR - [6h SEM]	B1	Q1	10	-	[+]	2
	<b>Corequisite :</b> PHAR0343-3 - Technologie pharmaceutique et biopharmacie (partim I)						
ECON0340-1	<i>Pharmacoeconomy</i> - - Suppl : Robin CRUNENBERG	B1	Q1	10	-	-	1
PHAR0003-1	<i>Pharmaceutical technologies and biopharmacy (part II)</i> - Brigitte EVRARD - [5h SEM]	B1	Q2	25	-	[+]	4
	<b>Corequisite :</b> PHAR0347-3 - Travaux pratiques - Technologie pharmaceutique et biopharmacie PHAR0343-3 - Technologie pharmaceutique et biopharmacie (partim I)						
PHAR0347-3	<i>Practical work - Pharmaceutical technologies and Biopharmacy</i> - Brigitte EVRARD	B1	Q2	-	32	-	2
	<b>Corequisite :</b> PHAR0003-1 - Technologie pharmaceutique et biopharmacie (partim II)						
PHAC0342-2	<i>Special pharmacology (Part II)</i> - Vincent SEUTIN	B1	Q2	20	-	-	2
	<b>Corequisite :</b> PHAC0341-2 - Pharmacologie spéciale (Partim I)						
TOXI0342-2	<i>Clinical Toxicology and adverse drug events monitoring (Part II)</i> - Corinne CHARLIER - [12h SEM]	B1	Q2	25	-	[+]	4
	<b>Corequisite :</b> TOXI0341-2 - Chimie toxicologique, Partim I						
BIOC0341-1	<i>Clinical chemistry (2nd part)</i> - Etienne CAVALIER - [12h SEM]	B1	Q2	23	-	[+]	4
	<b>Corequisite :</b> BIOC0340-1 - Chimie clinique (Partim I)						
PHAR0004-1	<i>Pharmacotherapy and pharmaceutical cares</i> - Geneviève PHILIPPE - [10h SEM]	B1	Q2	30	-	[+]	5
	<b>Corequisite :</b> PHAC0342-2 - Pharmacologie spéciale (Partim II) PHAC0341-2 - Pharmacologie spéciale (Partim I)						
SANT0005-1	<i>Therapeutic approach</i> - Didier CATALDO, Etienne CAVALIER, Raphaël DENOZ, Michel FREDERICH, Geneviève PHILIPPE, Bernard PIROTTE - [30h SI]	B1	Q2	-	-	[+]	3
	<b>Corequisite :</b> PHAC0342-2 - Pharmacologie spéciale (Partim II) PHAC0341-2 - Pharmacologie spéciale (Partim I)						
LEGI0340-2	<i>Legislation and pharmaceutical ethics</i> - Frédéric LECOMTE	B1	Q2	30	-	-	4
	<b>Corequisite :</b> TOXI0342-2 - Chimie toxicologique y compris pharmacovigilance (Partim II) PHAR0344-3 - Analyse des médicaments						
PHAR2219-1	<i>Integrated work 2</i> - Corinne CHARLIER, Brigitte EVRARD,	B1	Q2	-	-	[+]	3

ILLET, Pierre FRANCOTTE, Michel FREDERICH, Philippe HUBERT,  
Anna LECHANTEUR, Allison LEDOUX, Geneviève PHILIPPE,  
Géraldine PIEL, Bernard PIROTTE, AnneCatherine SERVAIS,  
Vincent SEUTIN, Eric ZIEMONS - [30h LBOPS]

**Corequisite :**

PHAR0003-1 - Technologie pharmaceutique et biopharmacie (partim II)

PHAR0344-3 - Analyse des médicaments

PHAR0343-3 - Technologie pharmaceutique et biopharmacie (partim I)

PHAC0342-2 - Pharmacologie spéciale (Partim II)

PHAC0341-2 - Pharmacologie spéciale (Partim I)

PHAR2020-1	<p><i>Integrated practical activities</i> - <i>Integrated practical work</i> - Brigitte EVRARD, Marianne FILLET, Pierre FRANCOTTE, Michel FREDERICH, Philippe HUBERT, Anna LECHANTEUR, Géraldine PIEL, Bernard PIROTTE, AnneCatherine SERVAIS, Eric ZIEMONS - <i>Industrial visits</i> - COLLÉGIALITÉ, Anna LECHANTEUR - [120h Vis.]</p>	B1 Q2 - 40 -	2
	<p><b>Corequisite :</b> PHAR0003-1 - Technologie pharmaceutique et biopharmacie (partim II) PHAR0344-3 - Analyse des médicaments PHAR0343-3 - Technologie pharmaceutique et biopharmacie (partim I)</p>	- - [+]	
APPR0160-2	<p><i>Professional development Seminar</i> - Etienne CAVALIER, Corinne CHARLIER, Alain CHASPIERRE, Raphaël DENOZ, Brigitte EVRARD, Marianne FILLET, Pierre FRANCOTTE, Michel FREDERICH, Philippe HUBERT, Anna LECHANTEUR, AnneLaure LENOIR, Geneviève PHILIPPE, Géraldine PIEL, Bernard PIROTTE, AnneCatherine SERVAIS, Eric ZIEMONS - [30h LBOPS]</p>	B2 Q2 - - [+]	5
	<p><b>Corequisite :</b> MTFE0351-3 - Stage officinal et travail de fin d'études</p>		

**Compulsory Training**

PHAR0721-1	<p><i>Incorporation of pharmaceutical knowledge</i> - Corinne CHARLIER, Raphaël DENOZ, Brigitte EVRARD, Marianne FILLET, Pierre FRANCOTTE, Michel FREDERICH, Julien HANSON, Frédéric LECOMTE, Geneviève PHILIPPE, Géraldine PIEL, Bernard PIROTTE, AnneCatherine SERVAIS, Vincent SEUTIN</p>	B2 Q2 - 50 -	5
	<p><b>Corequisite :</b> MTFE0351-3 - Stage officinal et travail de fin d'études</p>		
MTFE0351-3	<p><i>Officinal Internship and Thesis</i> - <i>Record of learning and participation to clinical research project</i> - Corinne CHARLIER, Brigitte EVRARD, Marianne FILLET, Michel FREDERICH, Philippe HUBERT, Frédéric LECOMTE, Geneviève PHILIPPE, Marie PIETTE, Bernard PIROTTE, Isabelle ROLAND - [100h Pers. Res.] - <i>Officinal internship and Thesis</i> - Brigitte EVRARD - [6mois Internship]</p>	B2 Q2 - - [+] - - [+]	20
	<p><b>Prerequisite :</b> BIOC0341-1 - Chimie clinique (Partim II) LEGI0340-2 - Législation et déontologie pharmaceutiques PHAC0341-2 - Pharmacologie spéciale (Partim I) PHAC0342-2 - Pharmacologie spéciale (Partim II) PHAR0003-1 - Technologie pharmaceutique et biopharmacie (partim II) PHAR0343-3 - Technologie pharmaceutique et biopharmacie (partim I) PHAR0347-3 - Travaux pratiques - Technologie pharmaceutique et biopharmacie PHAR2018-1 - Bonnes pratiques pharmaceutiques officinales TOXI0342-2 - Chimie toxicologique y compris pharmacovigilance (Partim II)</p>		
	<p><b>Corequisite :</b> PHAR0721-1 - Intégration des connaissances pharmaceutiques</p>		

*Notice* : students must do a placement in a pharmacy of a legal duration of six months (26 weeks), and compile a learning record (dissertation) at the same time. This placement includes a compulsory introductory two-week internship, during the summer, after the bachelor's degree. For students who have

acquired a minimum of 45 ECTS from block 1 of the master's degree, they can do their placement in a pharmacy during the summer holidays before starting block 2 of the master's degree (maximum 10 weeks). The remaining number of weeks (minimum 14 weeks) can be done within the framework of block 2 of the master's (2nd term).

#### Focus to be chosen (B2 : 30Cr)

Choose one focus from the following : (B2 : 30Cr)

##### Research Focus (B2 : 30Cr)

PHAR0007-1	<i>Personal research work</i> - Gabriel CASTILLO CABELLO, Etienne CAVALIER, Corinne CHARLIER, Brigitte EVRARD, Marianne FILLET, Michel FREDERICH, MariePierre HAYETTE, Philippe HUBERT, Geneviève PHILIPPE, Bernard PIROTTE, Isabelle ROLAND, Vincent SEUTIN - [10h SOI, 100h Pers. Res.]	B2	Q1	-	-	[+]	<b>15</b>
------------	---	----	----	---	---	-----	-----------

##### Internship with options

Choose a placement from among : (B2 : 15Cr)

MSTG0352-2	<i>Research internship abroad or in Belgium</i> - Gabriel CASTILLO CABELLO, Etienne CAVALIER, Corinne CHARLIER, Brigitte EVRARD, Marianne FILLET, Michel FREDERICH, MariePierre HAYETTE, Philippe HUBERT, Bernard PIROTTE, Vincent SEUTIN - [450h Internship]	B2	Q1	-	-	[+]	<b>15</b>
MSTG0353-2	<i>Development cooperation internship abroad</i> - Gabriel CASTILLO CABELLO, Etienne CAVALIER, Corinne CHARLIER, COLLÉGIALITÉ, Brigitte EVRARD, Marianne FILLET, Michel FREDERICH, MariePierre HAYETTE, Philippe HUBERT, Bernard PIROTTE, Vincent SEUTIN - [450h Internship]	B2	Q1	-	-	[+]	<b>15</b>
MSTG9082-1	<i>Officinal internship abroad</i> - Geneviève PHILIPPE - [450h Internship]	B2	Q1	-	-	[+]	<b>15</b>
MSTG4001-1	<i>Hospital internship abroad</i> - Brigitte EVRARD, Michel FREDERICH, Isabelle ROLAND - [450h Internship]	B2	Q1	-	-	[+]	<b>15</b>

*Notice* : The internship is combined with an individual piece of research which must be publicly defended. This report must be drafted in English when it is coupled with a research internship. Regarding other types of internships, the report may be drafted in French, with the supervisor's agreement, if the internship is carried out in a French-speaking environment. In all other cases, English is required.

##### Professional Focus in Creation and Development of Medicines - Bio-analysis (B2 : 30Cr)

PHAR0005-1	<i>Introduction to specialized focus in conception and development of medicine - bioanalysis</i>	B2	Q1				<b>10</b>
	- <i>Visites industrielles</i> - Brigitte EVRARD, Marianne FILLET, Philippe HUBERT - [6h Vis. Ind. Pl. ]			-	-	[+]	
	- <i>Introduction à la biologie clinique</i> - Corinne CHARLIER, MariePierre HAYETTE, Caroline LE GOFF - [6h SEM]			-	-	[+]	
	- <i>Médicaments d'origine biosynthétique</i> - Pierre FRANCOTTE - [6h SEM]			-	-	[+]	
	- <i>Stratégies de découverte des médicaments</i> - Bernard PIROTTE - [3h SEM]			-	-	[+]	
	- <i>Chimie structurale des médicaments</i> - Pascal DE TULLIO, Michel FREDERICH - [3h SEM]			-	-	[+]	
	- <i>Management pharmaceutique</i> - Walid EL AZAB - [3h SEM]			-	-	[+]	
	- <i>Assurance de qualité</i> - Philippe HUBERT, Roland MARINI DJANG'EING'A - [3h SEM]			-	-	[+]	
	- <i>Technologie pharmaceutique industrielle</i> - Brigitte EVRARD - [3h SEM]			-	-	[+]	

- <i>Analyses biopharmaceutiques</i> - Marianne FILLET - [6h SEM]	-	-	[+]
- <i>Affaires règlementaires</i> - Philippe HUBERT - [3h SEM]	-	-	[+]
- <i>Etudes cliniques</i> - Régis RADERMECKER - [3h SEM]	-	-	[+]
- <i>Méthodologie de rédaction</i> - Geneviève PHILIPPE - [3h SEM]	-	-	[+]

#### Internship with options

Students must choose a placement and carry out associated personal research work in the chosen scientific field. This personal research work includes writing a report (in French) which has to be defended publicly. (B2 : 20Cr)

#### Pharmacology (B2 : 20Cr)

MSTG3350-2	<i>Training course : Pharmacology</i> - Vincent SEUTIN - [300h Internship]	B2	Q1	-	-	[+]	10
	<b>Prerequisite :</b> PHAC0342-2 - Pharmacologie spéciale (Partim II) PHAC0341-2 - Pharmacologie spéciale (Partim I)						
	<b>Corequisite :</b> PHAC0431-1 - Travail de recherche personnel en pharmacologie						
PHAC0431-1	<i>Personal research work of Pharmacology</i> - Vincent SEUTIN - [25h SOI, 50h Pers. Res.]	B2	Q1	-	-	[+]	10
	<b>Corequisite :</b> MSTG3350-2 - Stage : Pharmacologie						

#### Clinical Toxicology (B2 : 20Cr)

MSTG1351-2	<i>Training course : Clinical toxicology</i> - Corinne CHARLIER - [300h Internship]	B2	Q1	-	-	[+]	10
	<b>Prerequisite :</b> TOXI0342-2 - Chimie toxicologique y compris pharmacovigilance (Partim II) TOXI0341-2 - Chimie toxicologique, Partim I						
	<b>Corequisite :</b> TOXI0704-1 - Travail de recherche personnel en toxicologie clinique						
TOXI0704-1	<i>Personal research work in clinical toxicology</i> - Corinne CHARLIER - [25h SOI, 50h Pers. Res.]	B2	Q1	-	-	[+]	10
	<b>Corequisite :</b> MSTG1351-2 - Stage : Toxicologie clinique						

#### Pharmaceutical chemistry (B2 : 20Cr)

MSTG0453-2	<i>Training : medicinal chemistry</i> - Bernard PIROTTE - [300h Internship]	B2	Q1	-	-	[+]	10
	<b>Corequisite :</b> CHIM0684-1 - Travail de recherche personnel en chimie pharmaceutique						
CHIM0684-1	<i>Pharmaceutical Chemistry Personal Research Work</i> - Bernard PIROTTE - [25h SOI, 50h Pers. Res.]	B2	Q1	-	-	[+]	10
	<b>Corequisite :</b> MSTG0453-2 - Stage : Chimie pharmaceutique						

#### Clinical chemistry (B2 : 20Cr)

MSTG0355-1	<i>Training course : Medical chemistry</i> - Etienne CAVALIER - [300h Internship]	B2	Q1	-	-	[+]	10
	<b>Prerequisite :</b> BIOC0341-1 - Chimie clinique (Partim II) BIOC0340-1 - Chimie clinique (Partim I)						
	<b>Corequisite :</b> CHIM0685-1 - Travail de recherche personnel en chimie clinique						
CHIM0685-1	<i>Clinical Chemistry Personal Research Work</i> - Etienne CAVALIER - [25h SOI, 50h Pers. Res.]	B2	Q1	-	-	[+]	10
	<b>Corequisite :</b> MSTG0355-1 - Stage : Chimie clinique						

#### Pharmaceutical Technology (B2 : 20Cr)

MSTG2350-2	<i>Training course : Pharmaceutical technology -</i> Brigitte EVRARD - [300h Internship]	B2	Q1	-	-	[+]	<b>10</b>
	<b>Prerequisite :</b> PHAR0343-3 - Technologie pharmaceutique et biopharmacie (partim I) PHAR0003-1 - Technologie pharmaceutique et biopharmacie (partim II)						
	<b>Corequisite :</b> PHAR1354-1 - Travail de recherche personnel en technologie pharmaceutique						
PHAR1354-1	<i>Personal research work in pharmaceutical technologies -</i> Brigitte EVRARD - [25h SOI, 50h Pers. Res.]	B2	Q1	-	-	[+]	<b>10</b>
	<b>Corequisite :</b> MSTG2350-2 - Stage : Technologie pharmaceutique						

#### Microbiology (B2 : 20Cr)

MSTG1352-2	<i>Internship : Microbiology -</i> MariePierre HAYETTE - [300h Internship]	B2	Q1	-	-	[+]	<b>10</b>
	<b>Prerequisite :</b> MBIO0002-1 - Microbiologie pharmaceutique						
	<b>Corequisite :</b> MICR0718-1 - Travail de recherche personnel en microbiologie						
MICR0718-1	<i>Microbiology personal research work -</i> MariePierre HAYETTE - [25h SOI, 50h Pers. Res.]	B2	Q1	-	-	[+]	<b>10</b>
	<b>Corequisite :</b> MSTG1352-2 - Stage : Microbiologie						

#### Analysis of Medicines (B2 : 20Cr)

MSTG2352-2	<i>Training course : Analysis of drugs -</i> Marianne FILLET - [300h Internship]	B2	Q1	-	-	[+]	<b>10</b>
	<b>Prerequisite :</b> PHAR0344-3 - Analyse des médicaments						
	<b>Corequisite :</b> PHAR1355-1 - Travail de recherche personnel en analyse des médicaments						
PHAR1355-1	<i>Personal research work in medicines analysis -</i> Marianne FILLET - [25h SOI, 50h Pers. Res.]	B2	Q1	-	-	[+]	<b>10</b>
	<b>Corequisite :</b> MSTG2352-2 - Stage : Analyse des médicaments						

#### Pharmacognosy (B2 : 20Cr)

MSTG0358-2	<i>Period of instruction in the laboratory of pharmacognosy -</i> Michel FREDERICH - [300h Internship]	B2	Q1	-	-	[+]	<b>10</b>
	<b>Corequisite :</b> PHAR0718-1 - Travail de recherche personnel en pharmacognosie						
PHAR0718-1	<i>Personal research work in Pharmacognosy -</i> Michel FREDERICH - [25h SOI, 50h Pers. Res.]	B2	Q1	-	-	[+]	<b>10</b>
	<b>Corequisite :</b> MSTG0358-2 - Stage : Pharmacognosie						

#### Pharmaceutical analytical chemistry (B2 : 20Cr)

MSTG1353-2	<i>Placement : Pharmaceutical analytical chemistry -</i> Philippe HUBERT - [300h Internship]	B2	Q1	-	-	[+]	<b>10</b>
	<b>Corequisite :</b> CHIM0358-1 - Travail de recherche personnel en chimie analytique pharmaceutique						
CHIM0358-1	<i>Personal research work in pharmaceutical analytical chemistry -</i> Philippe HUBERT - [25h SOI, 50h Pers. Res.]	B2	Q1	-	-	[+]	<b>10</b>
	<b>Corequisite :</b> MSTG1353-2 - Stage : Chimie analytique pharmaceutique						

#### Industry pharmacy (B2 : 20Cr)

MSTG2048-2 *Placement : industrial practices* - Brigitte EVRARD, Marianne FILLET, Michel FREDERICH, Philippe HUBERT, Bernard PIROTTE, Vincent SEUTIN - [300h Internship] B2 Q1 - - [+] 10

**Corequisite :**

PHAR2024-1 - Travail de recherche personnel en pratiques pharmaceutiques industrielles

PHAR2024-1 *Personal research work in industrial pharmaceutical practice* - Brigitte EVRARD, Marianne FILLET, Michel FREDERICH, Philippe HUBERT, Bernard PIROTTE, Vincent SEUTIN - [25h SOI, 50h Pers. Res.] B2 Q1 - - [+] 10

**Corequisite :**

MSTG2048-2 - Stage : Pratiques industrielles

**Project internship**

(B2 : 20Cr)

MSTG9083-1 *Project internship* - Geneviève PHILIPPE - [300h Internship] B2 Q1 - - [+] 10

**Corequisite :**

PHAR2223-1 - Travail de recherche personnel lié au stage à projet

PHAR2223-1 *Personal research work linked to the project internship* - Geneviève PHILIPPE - [25h SOI, 50h Pers. Res., 75h AUTR] B2 Q1 - - [+] 10

**Corequisite :**

MSTG9083-1 - Stage à projet

**Research internship**

(B2 : 20Cr)

MSTG9084-1 *Research internship* - Géraldine PIEL - [300h Internship] B2 Q1 - - [+] 10

**Corequisite :**

PHAR2224-1 - Travail de recherche personnel lié au stage de recherche

PHAR2224-1 *Personal research work linked to the research internship* - Géraldine PIEL - [25h SOI, 50h Pers. Res., 75h AUTR] B2 Q1 - - [+] 10

**Corequisite :**

MSTG9084-1 - Stage de recherche

**Professional focus in Pharmacy Practices, Advice and Follow-up (B2 : 30Cr)**

**Compulsory course**

PHAR0006-1 *Introduction to professional focus in officinal practice, advice and pharmaceutical follow-up* B2 Q1 10

- *Gestion des médicaments anti-infectieux* - [6h SEM] - - [+]

- *Complément de phytothérapie* - Michel FREDERICH, Allison LEDOUX - [6h SEM] - - [+]

- *Dermopharmacie* - Arjen NIKKELS, Géraldine PIEL - [6h SEM] - - [+]

- *Gestion officinale* - Alain CHASPIERRE - [6h SEM] - - [+]

- *Approche critique de l'homéopathie* - Allison LEDOUX - [3h SEM] - - [+]

- *Mycologie* - Gabriel CASTILLO CABELLO - [3h SEM] - - [+]

- *Soins lourds à domicile* - - Suppl : Sophie STREEL - [3h SEM] - - [+]

- *Médicaments à usage vétérinaire* - Brigitte EVRARD, Pascal GUSTIN, Bernard PIROTTE - [3h SEM] - - [+]

- *Approche critique des compléments alimentaires* - Michel FREDERICH, Nicolas PAQUOT - [3h SEM] - - [+]

- *Médicaments, grossesse et allaitement* - Corinne CHARLIER, Raphaël DENOZ - [3h SEM] - - [+]

- *Médicaments chez la personne âgée* - Sophie GILLAIN, Audrey SAMALEASUAREZ - [3h SEM] - - [+]

- *Méthodologie de rédaction* - Geneviève PHILIPPE - [3h SEM] - - [+]

**Internship with options**

**Students must choose a placement and carry out associated personal research work in the chosen scientific field. This personal research work includes writing a report (in French) which has to be defended publicly. (B2)**

: 20Cr)

#### Pharmacognosy (B2 : 20Cr)

MSTG0358-2	<i>Period of instruction in the laboratory of pharmacognosy - Michel FREDERICH - [300h Internship]</i>	B2	Q1	-	-	[+]	10
	<b>Corequisite :</b> PHAR0718-1 - Travail de recherche personnel en pharmacognosie						
PHAR0718-1	<i>Personal research work in Pharmacognosy - Michel FREDERICH - [25h SOI, 50h Pers. Res.]</i>	B2	Q1	-	-	[+]	10
	<b>Corequisite :</b> MSTG0358-2 - Stage : Pharmacognosie						

#### Mycology (B2 : 20Cr)

MSTG0350-2	<i>Internship: Mycology - Gabriel CASTILLO CABELLO - [300h Internship]</i>	B2	Q1	-	-	[+]	10
	<b>Corequisite :</b> BOTA0411-1 - Travail de recherche personnel en mycologie						
BOTA0411-1	<i>Mycology Personal Research Work - Gabriel CASTILLO CABELLO - [25h SOI, 50h Pers. Res.]</i>	B2	Q1	-	-	[+]	10
	<b>Corequisite :</b> MSTG0350-2 - Stage : Mycologie						

#### Clinical Toxicology (B2 : 20Cr)

MSTG1351-2	<i>Training course : Clinical toxicology - Corinne CHARLIER - [300h Internship]</i>	B2	Q1	-	-	[+]	10
	<b>Prerequisite :</b> TOXI0342-2 - Chimie toxicologique y compris pharmacovigilance (Partim II) TOXI0341-2 - Chimie toxicologique, Partim I						
	<b>Corequisite :</b> TOXI0704-1 - Travail de recherche personnel en toxicologie clinique						
TOXI0704-1	<i>Personal research work in clinical toxicology - Corinne CHARLIER - [25h SOI, 50h Pers. Res.]</i>	B2	Q1	-	-	[+]	10
	<b>Corequisite :</b> MSTG1351-2 - Stage : Toxicologie clinique						

#### Pharmaceutical chemistry (B2 : 20Cr)

MSTG0453-2	<i>Training : medicinal chemistry - Bernard PIROTTE - [300h Internship]</i>	B2	Q1	-	-	[+]	10
	<b>Corequisite :</b> CHIM0684-1 - Travail de recherche personnel en chimie pharmaceutique						
CHIM0684-1	<i>Pharmaceutical Chemistry Personal Research Work - Bernard PIROTTE - [25h SOI, 50h Pers. Res.]</i>	B2	Q1	-	-	[+]	10
	<b>Corequisite :</b> MSTG0453-2 - Stage : Chimie pharmaceutique						

#### Clinical chemistry (B2 : 20Cr)

MSTG0355-1	<i>Training course : Medical chemistry - Etienne CAVALIER - [300h Internship]</i>	B2	Q1	-	-	[+]	10
	<b>Prerequisite :</b> BIOC0341-1 - Chimie clinique (Partim II) BIOC0340-1 - Chimie clinique (Partim I)						
	<b>Corequisite :</b> CHIM0685-1 - Travail de recherche personnel en chimie clinique						
CHIM0685-1	<i>Clinical Chemistry Personal Research Work - Etienne CAVALIER - [25h SOI, 50h Pers. Res.]</i>	B2	Q1	-	-	[+]	10
	<b>Corequisite :</b> MSTG0355-1 - Stage : Chimie clinique						

#### Pharmaceutical Technology (B2 : 20Cr)

MSTG2350-2	<i>Training course : Pharmaceutical technology -</i> Brigitte EVRARD - [300h Internship]	B2	Q1	-	-	[+]	<b>10</b>
	<b>Prerequisite :</b> PHAR0003-1 - Technologie pharmaceutique et biopharmacie (partim II) PHAR0343-3 - Technologie pharmaceutique et biopharmacie (partim I)						
	<b>Corequisite :</b> PHAR1354-1 - Travail de recherche personnel en technologie pharmaceutique						
PHAR1354-1	<i>Personal research work in pharmaceutical technologies -</i> Brigitte EVRARD - [25h SOI, 50h Pers. Res.]	B2	Q1	-	-	[+]	<b>10</b>
	<b>Corequisite :</b> MSTG2350-2 - Stage : Technologie pharmaceutique						

#### Microbiology (B2 : 20Cr)

MSTG1352-2	<i>Internship : Microbiology -</i> MariePierre HAYETTE - [300h Internship]	B2	Q1	-	-	[+]	<b>10</b>
	<b>Prerequisite :</b> MBIO0002-1 - Microbiologie pharmaceutique						
	<b>Corequisite :</b> MICR0718-1 - Travail de recherche personnel en microbiologie						
MICR0718-1	<i>Microbiology personal research work -</i> MariePierre HAYETTE - [25h SOI, 50h Pers. Res.]	B2	Q1	-	-	[+]	<b>10</b>
	<b>Corequisite :</b> MSTG1352-2 - Stage : Microbiologie						

#### Legislation and pharmaceutical deontology (B2 : 20Cr)

MSTG2144-1	<i>Internship: pharmaceutical legislation and regulations -</i> Frédéric LECOMTE - [300h Internship]	B2	Q1	-	-	[+]	<b>10</b>
	<b>Prerequisite :</b> LEGI0340-2 - Législation et déontologie pharmaceutiques						
	<b>Corequisite :</b> DEON0712-1 - Travail de recherche personnel en législation et réglementation pharmaceutiques						
DEON0712-1	<i>Individual research work on pharmaceutical legislation and regulations -</i> Frédéric LECOMTE - [25h SOI, 50h Pers. Res.]	B2	Q1	-	-	[+]	<b>10</b>
	<b>Corequisite :</b> MSTG2144-1 - Stage : Législation et réglementation pharmaceutiques						

#### Analysis of Medicines (B2 : 20Cr)

MSTG2352-2	<i>Training course : Analysis of drugs -</i> Marianne FILLET - [300h Internship]	B2	Q1	-	-	[+]	<b>10</b>
	<b>Prerequisite :</b> PHAR0344-3 - Analyse des médicaments						
	<b>Corequisite :</b> PHAR1355-1 - Travail de recherche personnel en analyse des médicaments						
PHAR1355-1	<i>Personal research work in medicines analysis -</i> Marianne FILLET - [25h SOI, 50h Pers. Res.]	B2	Q1	-	-	[+]	<b>10</b>
	<b>Corequisite :</b> MSTG2352-2 - Stage : Analyse des médicaments						

#### Pharmacy practice (B2 : 20Cr)

MSTG2046-2	<i>Internship : officinale practice -</i> Geneviève PHILIPPE - [300h Internship]	B2	Q1	-	-	[+]	<b>10</b>
	<b>Corequisite :</b> PHAR2023-1 - Travail de recherche personnel en pratique officinale						
PHAR2023-1	<i>Personal research work in officinal practice -</i> Geneviève PHILIPPE - [25h SOI, 50h Pers. Res.]	B2	Q1	-	-	[+]	<b>10</b>
	<b>Corequisite :</b>						

MSTG2046-2 - Stage : Pratique officinale

#### Pharmaceutical analytical chemistry (B2 : 20Cr)

MSTG1353-2 *Placement : Pharmaceutical analytical chemistry -* B2 Q1 - - [+] 10  
Philippe HUBERT - [300h Internship]

**Corequisite :**

CHIM0358-1 - Travail de recherche personnel en chimie analytique pharmaceutique

CHIM0358-1 *Personal research work in pharmaceutical analytical* B2 Q1 - - [+] 10  
*chemistry - Philippe HUBERT - [25h SOI, 50h Pers. Res.]*

**Corequisite :**

MSTG1353-2 - Stage : Chimie analytique pharmaceutique

#### Project internship

(B2 : 20Cr)

MSTG9083-1 *Project internship - Geneviève PHILIPPE - [300h Internship]* B2 Q1 - - [+] 10

**Corequisite :**

PHAR2223-1 - Travail de recherche personnel lié au stage à projet

PHAR2223-1 *Personal research work linked to the project internship -* B2 Q1 - - [+] 10  
*Geneviève PHILIPPE - [25h SOI, 50h Pers. Res., 75h AUTR]*

**Corequisite :**

MSTG9083-1 - Stage à projet

#### Research internship

(B2 : 20Cr)

MSTG9084-1 *Research internship - Géraldine PIEL - [300h Internship]* B2 Q1 - - [+] 10

**Corequisite :**

PHAR2224-1 - Travail de recherche personnel lié au stage de recherche

PHAR2224-1 *Personal research work linked to the research internship -* B2 Q1 - - [+] 10  
*Géraldine PIEL - [25h SOI, 50h Pers. Res., 75h AUTR]*

**Corequisite :**

MSTG9084-1 - Stage de recherche

#### Hospital pharmacy / Clinical pharmacy (B2 : 20Cr)

MSTG2045-2 *Internship: Hospital pharmacy / Clinical pharmacy -* B2 Q1 - - [+] 10

Bernard PIROTTE, Isabelle ROLAND - Suppl : Manon KOKOU,  
Bernard PIROTTE - [300h Internship]

**Prerequisite :**

PHAR0004-1 - Pharmacothérapie et soins pharmaceutiques

**Corequisite :**

PHAR2022-1 - Travail de recherche personnel en pratique hospitalière / clinique

PHAR2022-1 *Personal research work in hospital/clinical practice -* B2 Q1 - - [+] 10  
*Bernard PIROTTE, Isabelle ROLAND - Suppl : Manon KOKOU,  
Bernard PIROTTE - [25h SOI, 50h Pers. Res.]*

**Corequisite :**

MSTG2045-2 - Stage : Pharmacie hospitalière / Pharmacie clinique

#### Professional focus in pharmacy management and professional perspectives (B2 : 30Cr)

GEST7052-1 *Medical administration and management* B2 Q1 5

- *Companies and corporate law - Laurent STAS DE RICHELLE* 9 - -

- *Administrative management - Michel KOHL - [3h SEM]* 9 - [+]

- *Accountancy, reporting and income statements -* 6 - -

Magali HERMAN

- *Freelance or employee - Matthieu SIMON* 6 - -

- *Corporate income tax and private persons tax -* 6 - -

Robin CRUNENBERG

- *Storage management - Robin CRUNENBERG* 6 - -

- *Price policy - Robin CRUNENBERG - [3h SEM]* 4 - [+]

QUAL0726-1 *Leadership and managing human resources* B2 Q1 5

	- <i>Human resources</i> - Adrien BAILLY	20	-	-	
	- <i>Quality management in the dispensary</i> - Joëlle WIDART	10	-	-	
	- <i>Risk management</i> - Joëlle WIDART	10	-	-	
	- <i>Well-being at work</i> - Marie BARBIER	10	-	-	
PHAR0720-1	<i>Professional development</i>	B2	Q1		<b>5</b>
	- <i>Sectorial analysis</i> - Alain CHASPIERRE, Robin CRUNENBERG	10	-	-	
	- <i>New services</i> - Alain CHASPIERRE, Robin CRUNENBERG - [24h Vis.]	12	6	[+]	
	- <i>Creative methods and approaches</i> - Robin CRUNENBERG, Geneviève PHILIPPE - [3h SEM]	8	-	[+]	
MSTG0765-1	<i>Placement</i> - Robin CRUNENBERG, Brigitte EVRARD, Frédéric LECOMTE, Geneviève PHILIPPE - [210h Internship]	B2	Q1	- -	[+] <b>7</b>
GEST7053-1	<i>Personal research work</i> - Robin CRUNENBERG, Brigitte EVRARD, Frédéric LECOMTE, Geneviève PHILIPPE - [20h SOI, 40h Pers. Res.]	B2	Q1	- -	[+] <b>8</b>