

**At Bruxelles Woluwe - 120 credits - 2 years - Day schedule - In French**

Dissertation/Graduation Project : **YES** - Internship : **YES**

Activities in English: **NO** - Activities in other languages : **NO**

Activities on other sites : **NO**

Main study domain : **Sciences biomédicales et pharmaceutiques**

Organized by: **Faculty of Pharmacy and Biomedical Sciences (FASB)**



## FARM2M - Teaching profile

### Learning outcomes

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As actors in the field of health sciences, pharmacists are experts on the subject of medication.

From design to production, from pharmaceutical research to marketing the product, from collating information to distributing it, pharmacy

5e. Select an appropriate response and apply a solution in their professional practice, in particular to design and validate an experimental protocol.

6. Sense of responsibility: act in an ethical and responsible manner

6a. Incorporate a knowledge base of ethics, legislation, deontology and pharmaco-economics.

6b. Conduct themselves as key and responsible actors, with public health issues a priority concern.

6c. Identify the competent professional to whom a request outside the scope of their activities should be transferred.

7. Quality: evaluate, self-assess and update their knowledge and improve their practice

7a. Develop a self-assessment approach to define their training needs in order to respond to complex situations.

7b. Identify and utilise individual and collective lifelong learning tools in an independent, critical and robust manner.

7c. Update and expand their knowledge base and skills independently to ensure that their knowledge and practices are constantly improved.

7d. Evaluate the work of colleagues to contribute to the improvement of knowledge and practices.

## Programme structure

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The programme (120 credits) comprises core subjects (74 credits), a focus (30 credits) and an option course (16 credits).

Apart from the core subjects which are compulsory for everyone, students may choose :

- a focus : either the professional focus which provides training for professional pharmacists, or the research focus which is theoretical and practical training for research in pharmacy. The two focuses enable students to gain the professional status of pharmacist.

- one option course from the following five :

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				Year	
				1	2
○ WFARM2117	Analyse et contrôle de qualité des médicaments	Giulio Muccioli (coord.) Quentin Spillier	FR [q1] [30h] [3 Credits]  > English-friendly	x	
○ WFARM2118	Chimie médicinale	Raphaël Frédéric Didier Lambert Giulio Muccioli (coord.)	FR [q2] [30h] [3 Credits]  > English-friendly		
○ WFARM2139	Pharmacokinetic, genomics and toxicology	Laure Bindels (coord.) Laure Elens Vincent Haufroid	FR [q1] [37.5h] [43] Frédéric		

## LIST OF FOCUSES

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- > [Research Focus](#) [ en-prog-2024-farm2m-wfarm200a ]
- > [Professional Focus](#) [ en-prog-2024-farm2m-wfarm201s ]

## RESEARCH FOCUS [30.0]

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- Mandatory
- ⊗ Optional
- △ Not offered in 2024-2025
- ⊖ Not offered in 2024-2025 but offered the following year
- ⊕ Offered in 2024-2025 but not the following year
- △ ⊕ Not offered in 2024-2025 or the following year
- Activity with requisites
- 🌐 Open to incoming exchange students
- 🚫 Not open to incoming exchange students
- [FR] Teaching language (FR, EN, ES, NL, DE, ...)

[Click on the course title to see detailed informations \(objectives, methods, evaluation...\)](#)

Year

1 2

### ○ Content:

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○ WFARM2171







**OPTION INNOVATION ET CONCEPTION DU MÉDICAMENT [16.0]**

En envisageant les premiers stades de développement du médicament, depuis sa découverte jusqu'aux étapes de recherche préclinique, cette option met l'accent sur la conception des futurs nouveaux médicaments dans les laboratoires de recherche.

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- ⊗ Optional
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Year

1 2

**o Content:****o Cours obligatoires (10 credits)**

○ WFARM2128	Processus de découverte, de développement et de mise sur le marché du médicament	Mireille Al Houayek (compensates) Laure Bindels Raphaël Frédéric Séverine Henrard Philippe Jacqmin Didier Lambert Françoise Van Bambeke (coord.)	FR [q2] [30h+15h] [3 Credits] 🌐 > English-friendly	X
○ WFARM2515	Pharmacologie moléculaire	Mireille Al Houayek Emmanuel Hermans (coord.) Joseph Lorent Pierre Sonveaux	FR [q1] [22.5h] [3 Credits] 🌐 > English-friendly	X
○ WFARM2210	Contact en milieu professionnel (stage 1 mois)		FR [q1] [] [4 Credits] 🌐	X

**o Cours au choix (6 credits)**

L'étudiant choisit 2 cours dans la liste suivante. Avec l'accord du conseiller aux études, un autre cours pourrait être choisi mais la compatibilité horaire avec l'ensemble du programme pourrait ne pas être assurée.

⊗ WFARM2501	Chimie pharmaceutique avancée et drug design	Raphaël Frédéric Didier Lambert Giulio Muccioli (coord.)	FR [q2] [22.5h] [3 Credits] 🌐 > English-friendly	X
⊗ WFARM2508				

## OPTION PRODUCTION, CONTRÔLE ET RÉGLEMENTATION [16.0]

Cette option regroupe les cours en rapport immédiat avec les activités spécifiques des pharmaciens dans l'industrie.

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Year

1 2

### o Content:

#### o Cours obligatoires (10 credits)

● WFARM2104	GOOD MANUFACTURING AND QUALITY	Thierry Ponce Quentin Spillier (coord.)	FR
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## OPTION BISPARMACIE ET PHARMACOTOXICOLOGIE [16.0]

Au travers d'une formation complémentaire en pharmacocinétique et toxicologie, cette option vise à mieux connaître le destin du médicament dans l'organisme, ainsi qu'à mieux en comprendre l'éventuelle toxicité.

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Year

1 2

### o Content:

#### o Cours obligatoires (10 credits)

○ WFARM2180	Organotoxicity : molecular, cellular and functional aspects	Olivier Feron (coord.) Philippe Lysy Xavier Wittebole	FR [q2] [30h+15h] [3 Credits] 🌐 > English-friendly	X	
○ WFARM2244	Biologie clinique et monitoring thérapeutique	Laure Elens (coord.) Vincent Haufroid	FR [q1] [22.5h] [3 Credits] 🌐 > English-friendly		X
○ WFARM2210	Contact en milieu professionnel (stage 1 mois)		FR [q1] [] [4 Credits] 🌐		X

#### o Cours au choix (6 credits)

L'étudiant choisit 2 cours dans la liste suivante. Avec l'accord du conseiller aux études, un autre cours pourrait être choisi mais la compatibilité horaire avec l'ensemble du programme pourrait ne pas être assurée.

⊗ WFARM2502	Introduction to analytical toxicology	Laure Bindels (coord.) Lidvine Boland (coord.)	FR [q2] [22.5h] [3 Credits] 🌐	X	
⊗ WFARM2506	Formes pharmaceutiques et biodisponibilité	Ana Beloqui Garcia Laure Elens (coord.)	FR [q2] [22.5h] [3 Credits] 🌐 > English-friendly	X	
⊗ WFARM2511	Méthodologie des mesures radio-actives en recherche pharmaceutique et biomédicale	Bernard Gallez	FR [q2] [22.5h] [3 Credits] 🌐		X
⊗ WFARM2512	NEW DRUG DELIVERY SYSTEMS				



## Supplementary classes

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**To access this Master, students must have a good command of certain subjects. If this is not the case, in the first annual block of their Masters programme, students must take supplementary classes chosen by the faculty to satisfy course prerequisites.**

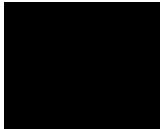
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Click on the course title to see detailed informations (objectives, methods, evaluation...)

### o Supplementary classes

Maximum 60 credit(s)



## Course prerequisites

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The **table** below lists the activities (course units, or CUs) for which there are one or more prerequisites within the programme, i.e. the programme CU for which the learning outcomes must be certified and the corresponding credits awarded by the jury before registering

## FARM2M - Information

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Diplômes équivalents au bachelier en sciences pharmaceutiques

[Access based on application](#)

Connaissance du français

## Non university Bachelors

> Find out more about [links](#) to the university

## Holders of a 2nd cycle University degree

Diploma	Special Requirements	Access	Remarks
<b>"Licenciés"</b>			
Pharmaciens		Direct access	
Médecins		<a href="#">Access based on application</a>	
Bioingénieurs			
Dentistes			
Licenciés en sciences biomédicales			
Licenciés en chimie			
<b>Masters</b>			
Titre inconnu:lfarm2m		Direct access	
		Access with additional training	
Titre inconnu:lsbim2m		<a href="#">Access based on application</a>	
Titre inconnu:lmed2m			
Titre inconnu:ldent2m			
Titre inconnu:lchim2m			
Titre inconnu:lbirc2m			
		<a href="#">Access based on application</a>	

## Holders of a non-University 2nd cycle degree

### Access based on validation of professional experience

> It is possible, under certain conditions, to use one's personal and professional experience to enter a university course without having the required qualifications. However, validation of prior experience does not automatically apply to all courses. Find out more about [Validation of priori experience](#).

### Access based on application

Access based on application : access may be granted either directly or on the condition of completing additional courses of a maximum of 60 ECTS credits, or refused.

## Admission and Enrolment Procedures for general registration







