

**At Bruxelles Woluwe - 120 credits - 2 years - Day schedule - In French**  
Dissertation/Graduation Project : **YES**



## FARM2M - Teaching profile

### Learning outcomes

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 graduates are preparing for employment as pharmacists in a number of professional environments, at each stage of the medication process.

This Master's programme is designed to produce health professionals in such diverse environments as the pharmacy (dispensary) open to the public, the academic world, hospitals or industry. This diversity is based on a solid scientific framework which ultimately seeks to improve patient health.

The training offered by the School of Pharmacy relies on the combined expertise of instructors who are researchers and instructors who are practitioners. It provides students with a number of opportunities to develop their know-how and their ability to master the various roles of the modern pharmacist: laboratories, work placements, research projects and classes are all included in the two years of the Master's programme.

On successful completion of this programme, each student is able to :

1. Pharmaceutical expertise: display command of and assimilate the knowledge required to formulate a pertinent response to any pharmaceutical question

1a. Display command of and apply the fundamental principles and essential concepts of the basic sciences in the practice of pharmacy.

1b. Assimilate a specialised knowledge base in chemistry, pharmacognosy, pharmacology, toxicology and galenic pharmacy useful in the synthesis, design, formulation, evaluation, dispensing and control of medicinal drugs.

1c. Assimilate and use a detailed knowledge base in nutrition, pathology, pharmacotherapy, therapeutics and semiology in order to understand patients in all their complexity.

2. In the preparation and dispensing of medications: act in an appropriate and responsible manner in line with procedures

2a. Dispense medications in a responsible manner in order to achieve general health objectives such as the prevention, identification and treatment of problems related to the use of medications, in collaboration with other health professionals and the patient.

2b. Select an appropriate response and apply a solution in their professional practice, in particular to

- formulate, produce and control a medication

- develop a pharmaceutical care plan \*

2c. Comply with the legal, ethical and deontological requirements so as to act in a responsible and professional manner for the patient and society.

2d. Be the first responder in an emergency situation.

3. Health advice: offer appropriate advice when dispensing medicine and monitor progress

3a. Evaluate the situation taking into consideration elements related to the patient, scientific and medical aspects and socio-economic factors.

3b. Monitor the selected response and apply any necessary modifications.

3c. Collect and communicate information relating to the safety of use of the medication (pharmacovigilance).

3d. Operate as part of a multidisciplinary team.

4. Communication: communicate in a professional manner and tailor the message to suit different audiences

4a. Converse effectively and respectfully, demonstrating active listening and empathy in their relationships with patients.

4b. Tailor their communication to the target audience in order to obtain and provide clear information.

4c. Use information and communication technologies appropriately with regard to their professional practice.

4d. Respect confidentiality in their professional practice.

5. Scientific approach: resolve health-related problems by incorporating and analysing, in a critical manner, different scientific approaches













5a. Understand a complex pharmaceutical problem or issue.

5b. Summarise the key and necessary elements related to the problem or issue concerned.

5c. Display command of the relevant and pertinent tools and sources of information related to the problem or issue concerned.

5d. Analyse, understand and compare specialised information in a critical and expert manner.

- 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.

				Year	
				1	2
○ WFARM2117	Analyse et contrôle de qualité des médicaments	Joëlle Leclercq (coord.) Giulio Muccioli	FR [q1] [30h] [3 Credits]  > English-friendly	X	
○ WFARM2118	Chimie médicinale	Giulio Muccioli (coord.) Séverine Ravez (compensates) Raphaël Frédéric Quentin Spillier (compensates) Didier Lambert	FR [q2] [30h] [3 Credits]  > English-friendly	X	
○ WFARM2139	Pharmacokinetic, genomics and toxicology	Laure Bindels (coord.) Laure Elens Vincent Haufroid	FR [q1] [37.5h] [4 Credits]  > English-friendly	X	
○ WFARM2149	Pharmaceutical approach in nutrition	Nathalie Delzenne	FR [q2] [30h+15h] [3 Credits]  > English-friendly	X	
○ WFARM2156	Pharmacie galénique 1re partie	Anne des Rieux	FR [q1] [40h] [5 Credits]  > English-friendly	X	
○ WFARM2157	Pharmacie galénique 2e partie	Anne des Rieux (coord.) Rita Vanbever	FR [q2] [20h+28h] [5 Credits]  > English-friendly	X	
○ WFARM2114	Pharmacologie spéciale et éléments de pharmacothérapie 1re partie	Olivier Feron Emmanuel Hermans Jean-Christophe Jonas Françoise Van Bambeke (coord.)	FR [q1] [30h] [3 Credits]  > English-friendly	X	
○ WFARM2116	Pharmacologie spéciale et éléments de pharmacothérapie 2e partie	Chantal Dessy Olivier Feron Françoise Van Bambeke (coord.)	FR [q2] [26h] [3 Credits]  > English-friendly	X	
○ WFARM2111	Séminaire de pharmacothérapie intégrée (1re partie)	Chantal Dessy Nathalie Dujardin Olivier Feron Emmanuel Hermans Muriel Rocour Anne Spinewine Françoise Van Bambeke (coord.)	FR [q1+q2] [30h+15h] [5 Credits]  > English-friendly	X	
○ WFARM2236	Pharmacie et société	Catherine Druetz Alain Loute Christian Léonard Thierry Roisin Anne Spinewine (coord.)	FR [q1] [37.5h] [4 Credits] 		X
○ WFARM2239	Sémiologie	Marie Baeck Benoît Boland (coord.) Pascale Cornette Thierry Detaille	FR [q1] [30h] [4 Credits] 		X
○ WFARM2256	Soins pharmaceutiques en officine et stage 				



o Content:

○ WFARM2135	Seminary and practical exercises integred of pharmaceutical sciences	Anne des Rieux Laure Elens Raphaël Frédéric Joëlle Leclercq Giulio Muccioli (coord.)	PR [q1+q2] [0h+160h] [9 Credits]	X
○ WFARM2196	Rational therapeutic choices (Introduction to evidence-based medicine and pharmacoconomy)	Noémie Defourny (compensates) Séverine Henrard Nathalie Dujardin Anne Spinewine (coord.)	PR [q1] [30h+10h] [4 Credits]	X
○ WFARM2134	Gestion des situations aigües	Pierre Bulpa (coord.) Maximilien Gourdin Patrick Honoré Henri Thonon	PR [q2] [15h] [2 Credits]	X
○ WFARM2235	PRACTICAL TRAINING IN PHARMACEUTICAL TECHNOLOGY	Anne des Rieux	PR [q1] [0h+120h] [5 Credits]	X
○ WFARM2211	Séminaire de pharmacothérapie intégrée (2e partie)	Olivia Dalleur CCr 0 0 -1 0 0 cm 0 0 m0 0 ress8400078 19.10600046 Tm [(Natrick Honoré)] TJ		









## OPTION PRODUCTION, CONTRÔLE ET RÉGLEMENTATION [16.0]

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

- Mandatory
- ✘ Optional
- △ Not offered in 2023-2024
- ⊖ Not offered in 2023-2024 but offered the following year
- ⊕ Offered in 2023-2024 but not the following year
- △ ⊕ Not offered in 2023-2024 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, ...)

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

## **OPTION BIOPHARMACIE 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.

- Mandatory
  - ✘ Optional
  - △ Not offered in 2023-2024
  - ⊙ Not offered in 2023-2024 but offered the following year
  - ⊕ Offered in 2023-2024 but not the following year
  - △ ⊕
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## Supplementary classes

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## 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 for that CU.

These activities are also identified in the **detailed programme**: their title is followed by a yellow square.

### Prerequisites and student's annual programme

As the prerequisite is for CU registration purposes only, there are no prerequisites within a programme year. Prerequisites are defined between CUs of different years and therefore influence the order in which the student will be able to register for the programme's CUs.

In addition, when the jury validates a student's individual programme at the beginning of the year, it ensures its coherence, meaning that it may:

- require the student to combine registration in two separate CUs which it considers necessary from a pedagogical point of view.
- transform a prerequisite into a corequisite if the student is in the final year of a degree course.

For more information, please consult the [Academic Regulations and Procedures](https://uclouvain.be/fr/decouvrir/rgee.html) (<https://uclouvain.be/fr/decouvrir/rgee.html>).

### # Prerequisites list

**WFARM2211** "Séminaire de pharmacothérapie intégrée (2e partie)" has prerequisite(s) WFARM2111 ET WFARM2114 ET WFARM2116

- WFARM2111 - Séminaire de pharmacothérapie intégrée (1re partie)
- WFARM2114 - Pharmacologie spéciale et éléments de pharmacothérapie 1re partie
- WFARM2116 - Pharmacologie spéciale et éléments de pharmacothérapie 2e partie

**WFARM2235** "Travaux pratiques de pharmacie galénique" has prerequisite(s) WFARM2117 ET WFARM2156 ET WFARM2157

- WFARM2117 - Analyse et contrôle de qualité des médicaments
- WFARM2156 - Pharmacie galénique 1re partie
- WFARM2157 - Pharmacie galénique 2e partie

**WFARM2249** "Séminaire d'intégration pharmaceutique (finalité approfondie)" has prerequisite(s) WFARM2117 ET WFARM2118 ET WFARM2156 ET WFARM2157 ET WFARM2114 ET1 8.39999Tf 1 0 0 -1 0 7.64400005 Tm 9 4ey from a pedagogical point of view.

## FARM2M - Information

### Access Requirements

Master course admission requirements are defined by the French Community of Belgium Decree of 7 November 2013 defining the higher education landscape and the academic organisation of courses.

General and specific admission requirements for this programme must be satisfied at the time of enrolling at the university.

Unless explicitly mentioned, the bachelor's, master's and licentiate degrees listed in this table or on this page are to be understood as those issued by an institution of the French, Flemish or German-speaking Community, or by the Royal Military Academy.

**In the event of the divergence between the different linguistic versions of the present conditions, the French version shall prevail.**

#### SUMMARY

- > [General access requirements](#)
- > [Specific access requirements](#)
- > [University Bachelors](#)
- > [Non university Bachelors](#)
- > [Holders of a 2nd cycle University degree](#)
- > [Holders of a non-University 2nd cycle degree](#)
- > [Access based on validation of professional experience](#)
- > [Access based on application](#)
- > [Admission and Enrolment Procedures for general registration](#)

### Specific access requirements

Pour les étudiants issus de tout autre programme que ceux repris dans les conditions d'admission, un dossier mentionnant les motivations et les crédits obtenus au cours des études précédentes est à soumettre à la commission d'admission de l'Ecole de pharmacie pour le 10 septembre au plus tard.

#### University Bachelors

Diploma	Special Requirements	Access	Remarks
<b>UCLouvain Bachelors</b>			
Titre inconnu:lfarm1ba		Direct access	
Titre inconnu:ldent1ba		Access with additional training	
Titre inconnu:lmed1ba			
Titre inconnu:lbir1ba			
Titre inconnu:lchim1ba	Titre inconnu:lminfarm	Access with additional training	
Titre inconnu:lsbim1ba			
<b>Others Bachelors of the French speaking Community of Belgium</b>			
Bachelier en sciences pharmaceutiques		Direct access	
Bacheliers en sciences dentaires		Access with additional training	
Bachelier en médecine			
Bachelier en sciences de l'ingénieur, orientation bioingénieur			
Bachelier en sciences biomédicales			
Bachelier en sciences chimiques			
<b>Bachelors of the Dutch speaking Community of Belgium</b>			
Bachelier en sciences pharmaceutiques		Direct access	Connaissance du français
Bacheliers en sciences dentaires		Access with additional training	Connaissance du français
Bachelier en médecine			
Bachelier en sciences de l'ingénieur, orientation bioingénieur			
Bachelier en sciences biomédicales			
Bachelier en sciences chimiques			
<b>Foreign Bachelors</b>			



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		Access based on application	
Bioingénieurs			
Dentistes			
Licenciés en sciences biomédicales			
Licenciés en chimie			
<b>Masters</b>			
Titre inconnu:lfarm2m		Direct access	
		Access with additional training	
Titre inconnu:lsbim2m		Access based on application	
Titre inconnu:lmed2m			
Titre inconnu:ldent2m			
Titre inconnu:lchim2m			
Titre inconnu:lbirc2m			
		Access based on application	

## 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



Germany (Saarbrücken) ; Spain (Alcala de Henares, Madrid, Santiago de Compostela) ; France (Lille and Lyon) ; Greece (Patra) ; Italy (Bologna, Parma, Pisa) ; Netherlands (Utrecht) ; Portugal (Coïmbra) ; United Kingdom (Bath).

## Possible trainings at the end of the programme

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Graduates of the Master in Pharmaceutical Sciences have access to the following training courses subject to any special conditions indicated therein (see these programs):

Advanced Masters :

Advanced Master in Clinical Biology

Advanced Master in Industrial Pharmacy

Advanced Master in Hospital Pharmacy

Doctoral programmes :

Doctorate in pharmacy

Doctorate in biomedical sciences

## Certificates

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University Certificate in pharmacy

University Certificate in pharmaceutical engineering and industrial technology

University Certificate in clinical pharmacy

University Certificate in radiopharmacy

## Contacts

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### Curriculum Management

Entity

Structure entity

SSS/FASB/FARM

Denomination

(FARM)

Faculty

Faculty of Pharmacy and Biomedical Sciences (FASB)

Sector

Health Sciences (SSS)

Acronym

FARM

Postal address

Avenue Mounier 73 - bte B1.73.03

1200 Woluwe-Saint-Lambert

Tel: +32 (0)2 764 73 60

Academic supervisor: [Françoise Van Bambeke](https://uclouvain.be/repertoires/francoise.vanbambeke) (<https://uclouvain.be/repertoires/francoise.vanbambeke>)

Jury

- Président du jury d'examens Master: [Emmanuel Hermans](https://uclouvain.be/repertoires/emmanuel.hermans) (<https://uclouvain.be/repertoires/emmanuel.hermans>)
- Secrétaire du jury d'examens Master: [Olivier Feron](https://uclouvain.be/repertoires/olivier.feron) (<https://uclouvain.be/repertoires/olivier.feron>)

Useful Contact(s)

- Conseiller aux études: [Marie-France Herent](https://uclouvain.be/repertoires/marie-france.herent) (<https://uclouvain.be/repertoires/marie-france.herent>)
- Contact: [secretariat-farm@uclouvain.be](mailto:secretariat-farm@uclouvain.be)

