UCLouvain

FARI2MC

2024 - 2025

Advanced Master in Industrial Pharmacy

FARI2MC - Introduction

Introduction

FARI2MC - Teaching profile

Learning outcomes

The Advanced Master degree in Industrial Pharmacy gives the student all theoretical and practical knowledge to work in the following fields: production, drug quality control and analysis and in the drug approval process, marketing and pharmacovigilance.

This programme comprises theory and practical work in a field chosen by the student (pharmaceutical industry or other bodies or laboratories where the skills of a pharmacist are needed).

The Advanced Master degree in Industrial Pharmacy is the only way to obtain the title of Qualified person (law of the 14th December 2006 regarding drugs used in humans and animals, article 84). For the pharmacist or owners of a degree endowed with equivalent skills, to obtain this title recognized by the Ministry of Health, the Advanced Master degree must be completed by a 6 months experience in one or more pharmaceutical firm(s) owner of an authorization of drug production according to the rules comprised in the Royal decree of the 14th August 1989.

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

1 To master and integrate relevant knowledge in all questions regarding the pharmaceutical industry

1.a to tackle, analyze and work with organic, inorganic, natural, biotechnologically produced substances and radiopharmaceuticals.
1.b to assess pharmacological data and pharmacokinetics related to biologically active compounds.
1.c to engineer a pharmaceutical form with the required physic-chemical characteristics.
1.d to collaborate in the realization of a clinical study.
1.e to understand intellectual property .
1.h to release a batch for the drug market.
1.i to solve problems linked to drug production.

2 Scientific approach

2.a To integrate and analyze with criticism different scientific approaches to the design, development, production and marketing of the product.
2.b To be able to plan scientific experiments, to draw statistically valid conclusions and, if necessary, to modify the plan to get the best results.
2.c Intégrer les lois et règlements en vigueur afin de fabriquer, distribuer et commercialiser les médicaments sur les marchés, belge, européen et étranger.

3 To communicate professionally and adapt the message to different people

3.a to be able to present scientific results.
3.b to communicate in English, the main language in scientific communication in the world.
3.c to deliver a message or clear and specific guidelines to be implemented within the framework of scientific and administrative work.

4 Sense of responsibility

4.a To assume responsibilities in accordance with ethics, laws and best practice.
4.b To stay abreast of new rules and laws issued by various national and international bodies in charge of health.
4.c To be able to manage and lead a group of people, to assign them tasks in the context of scientific and administrative work and checking if the guidelines or procedures have been properly applied.

5 To evaluate, to assess themselves, to update knowledge and continually improve their practice

5.a by training.
5.b by attending scientific conferences.

FARI2MC Programme

Detailed programme by subject

CORE COURSES [60.0]

- 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...)

Mandatory modules (45 credits)

L'ensemble des informations sur les enseignements est visible en cliquant les intitulés des cours.

WFARI2100	Active molecules ** Certains cours pourront être en anglais*	Joëlle Leclercq	FR [q1+q2] [30h] [4 Credits]
WFARI2101	Aspects cliniques **Certains supports peuvent être en anglais*	François-Xavier Mathy	FR [q1] [45h] [5 Credits]
WFARI2102	Assurance de qualité et management pharmaceutique **Certains supports pourront être en anglais*	Xavier Marcelis (coord.) Thierry Pronce	FR [q1+q2] [65.5h] [7 Credits]
WFARI2103	Technologie pharmaceutique **Certains supports pourront être en anglais*		FR [q1+q2] [49h] [5 Credits]
WFARI2104	Analyse des médicaments **Certains supports pourront être en anglais*	Laure Elens	FR [q1+q2] [54h] [6 Credits]
WFARI2105	Affaires réglementaires et environnement médico-social **Certains supports pourront être en anglais*	Catherine Druez	FR [q1] [72h] [8 Credits]
WFARI2106	Visites et séminaires organisés dans les industries pharmaceutiques	Joëlle Leclercq Quentin Spillier	FR [q1+q2] [75h] [3 Credits]
WFARI2110	Biotechnology **Certains supports seront en anglais*	Rita Vanbever	FR [q1+q2] [64h] [7 Credits]

Travail de fin d'études réalisé dans le cadre d'un stage dans l'industrie pharmaceutique (15 credits)

WFARI2109	Mémoire (dans le cadre d'un stage de 12 semaines) **certains supports pourront être en anglais*		FR [] [] [15 Credits]

The programme's courses and learning outcomes

For each UCLouvain training programme, a reference framework of learning outcomes specifies the the skills expected of every

FARI2MC - Information

Access Requirements

In the event of the divergence between the different linguistic versions of the present conditions, the French version shall prevail.
Decree of 7 November 2013 defining the landscape of higher education and the academic organization of studies.
The admission requirements must be met prior to enrolment in the University.

Unless explicitly mentioned, the bachelor's, master's and licentiate degrees listed 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

General access requirements

Translated from

Teaching method

The lessons are divided into modules.

The methods used are both theoretical and practical.

Students will attend lectures given by teachers from the partner universities as well as professionals from the pharmaceutical industry or the Federal Public Service of Public Health. Mandatory related activities are organized: visits to companies or laboratories and exercises.

Students will complete an internship in a company, laboratory or a public body whoseactivities are related to drugs and legislation. It will prepare a report on the activities carried out during the course. This report will be presented to a jury composed of three scientists from each of the partner universities.

Evaluation

The evaluation methods comply with the regulations concerning studies and exams. More detailed explanation of the modalities specific to each learning unit are available on their description sheets under the heading "Learning outcomes evaluation method".

Student evaluation on the inter-university programme content will consist of a single oral session of exams per module (from A to F, described above).
An oral defence of the individual piece of work will also be organised and evaluated by an inter-university jury. In order to obtain official recognition by the Ministry of Public Health for the title "person responsible for the conformity of medication products by a pharmaceutical firm", the pharmacist who has obtained his inter-university degree as an industrial pharmacist is obliged to do a 6 months complementary apprenticeship in a pharmaceutical firm in accordance with the
procedures laid down by the Royal Decree of 14 August, 1989.

Contacts

Curriculum Management

Faculty

Structure entity	SSS/FASB
Denomination	Faculty of Pharmacy and Biomedical Sciences (FASB)
Sector	Health Sciences (SSS)
Acronym	FASB
Postal address	Avenue Mounier 73 - bte B1.73.02 1200 Woluwe-Saint-Lambert

Mandate(s)

- Dean : Raphaël Frédérick

Commission(s) of programme

- Ecole de pharmacie (FARM)

Other academic Supervisor(s)

- Joëlle Quetin-Leclercq

Jury

- President: Joëlle Quetin-Leclercq
- Secretary: Laure Elens

Useful Contact(s)

- Secretary of pharmaceutical school: secretariat-farm@uclouvain.be
- Secretary: Murielle Callier
- Secretary: Guillaume Arnould