

FARI2MC

2013 - 2014

Advanced Master in Industrial Pharmacy

At Bruxelles Woluwe - 60 credits - 1 year - Day schedule - In frenchDissertation/Graduation Project : **YES** - Internship : **YES**Activities in English: **YES** - Activities in other languages : **NO**Activities on other sites : **NO**Main study domain : **Sciences biomédicales et pharmaceutiques**Organized by: **Faculté de pharmacie et des sciences biomédicales (FASB)**Programme code: **fari2mc** - European Qualifications Framework (EQF): 7**Table of contents**

Introduction	2
Admission	3
Information	4
- Learning outcomes	4
- Evaluation	4
Contacts	5
Detailed programme	6
- Programme structure	6
- Programme by subject	6

FARI2MC - Introduction

FARI2MC - Admission

Decree of March 31st 2004 defining higher education, favoring its integration in the European framework of higher education and refinancing universities.

The admission requirements have to be met at the time of enrolment at the university.

All information can be obtained from the [University's Enrolment Office \(Service des inscriptions – SIC\)](#).

The following students, after meeting the conditions set by the academic authorities, have access to the complementary Master's degree with the aim of obtaining the grade that these studies sanction:

- An academic Master's degree within the same field allowing 2nd-cycle studies, including at least 120 credits
- An academic Master's degree, following a decision by the academic authorities, under the complementary conditions that they set and as a result of a motivated decision by the jury
- An academic grade which is similar to those mentioned above, issued by the Flemish Community, the German Community or the Royal Military Academy, under the same conditions
- A foreign academic grade that has been acknowledged as being equivalent to those mentioned above, in application of this decree, a European-level directive or an international convention, under the same conditions
- Under the same conditions, one or several titles or academic grade issued by the Flemish Community, the German Community or the Royal Military Academy, sanctioning 2nd-cycle studies and valued at least 300 credits by the jury, or sanctioning 2nd-cycle studies and valued at least 240 credits completed of 60 credits, the all that must be valued by the jury according to the decree of March 31st, 2004 (art 54, 5 °)

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

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Specific Admission Requirements

This programme is accessible to pharmacists holding a diploma from the French-speaking Community in Belgium or a recognised equivalent.

Admission procedure

Enrolments are made at the university chosen by the student who pays the corresponding fee in the institution of his choice. The degree is awarded by this same institution. Applications for admission should be addressed to the secretary's office of the School of Pharmacy, by means of a special form issued by the latter. Applications are examined by the Admission Committee for complementary masters (3rd cycle) and then by the Programme Management Committee. Notice of refusal is given to the applicant by the academic secretary.

FARI2MC - Information

Learning outcomes

The training programme in Industrial Pharmacy prepares the students in the practice of responsibilities linked to the production, control and analysis of medicaments, as well as in the registration, marketing and the pharmacovigilance of these same medicaments.

This programme offers the possibility for the student to complete the theoretical sessions with practical experience in a sector of the student's choice. The complementary master's in Industrial Pharmacy is the direction chosen by those who wish to acquire the qualified status of a pharmacist (pharmacist responsible for the conformity of the medicaments produced by a pharmaceutical firm - Royal Decree of 06 June, 1960) by completing a university training programme. In order to obtain this official recognition by the Ministry of Public Health, the degree course must be completed by a period of practical experience of 6 months in one or several pharmaceutical firms granted official authorisation for the industrial fabrication of medicaments in accordance with the directives laid down by the Royal Decree of 14th August, 1989.

Evaluation

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.

FARI2MC - Contacts

Curriculum Managment

Entite de la structure FASB

Acronyme	FASB
Dénomination	Faculté de pharmacie et des sciences biomédicales
Adresse	Avenue Mounier, 73 bte B1.73.02 1200 Woluwe-Saint-Lambert
Secteur	Secteur des sciences de la santé (SSS)
Faculté	Faculté de pharmacie et des sciences biomédicales (FASB)
Mandats	Emmanuel Hermans Doyen
Commissions de programme	Ecole de pharmacie (FARM) Ecole des sciences biomédicales (SBIM)

Responsable académique UCL : **Rita Vanbever**

Jury

Président du jury d'examens : [Pierre Duez](#) (Tel: +32 2 6505172)

Secrétaire du jury d'examens : **François Dufrasne**

Usefull Contacts

FARI2MC - Detailed programme

Programme structure

The duration of the studies and the training programme is one year, full-time. On the recommendation of the Industrial Pharmacist Management Committee, the study programme can be spread over two academic years, subject to the authorisation of the President of the School of Pharmacy in the case where the student is professionally active elsewhere or if his particular situation is considered to justify this.

The programme comprises **2 parts** :

- the first part is made up of a core syllabus organised by the three universities. This core syllabus is divided into 7 modules (A to G), each including theoretical sessions as well as seminars. The total timetable volume of this core syllabus amounts to 450 hours (45 ECTS), with each university taking in charge one third, or 150 hours of the programme.
- the second part consists of an individual piece of work that the student will prepare during the course of a 12 week training period of work experience carried out in one or several departments, either in one of the universities, or in a pharmaceutical industry proposed by the programme management committee, or yet again in the context of an inter-university SOCRATES/ERASMUS exchange scheme. The total timetable volume of this second part amounts to 150 hours (15 ECTS).

[> Core courses](#) [en-prog-2013-fari2mc-wfari200t.html]

Programme by subject

Core courses [60.0]

○ Mandatory

△ Courses not taught during 2013-2014

⊕ Periodic courses taught during 2013-2014

⊗ Optional

⊙ Periodic courses not taught during 2013-2014

‡ Two years course

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

○ Modules (45 credits)

○ Substances actives (6 credits)

Ce module est composé des matières suivantes : Substances issues des recherches pharmacochimiques (10h ULg - 5h ULB)/ Substances issues des biotechnologies (15h ULB)/ Substances d'origine naturelle (5h UCL - 5H ULB)/ Produits pharmaceutiques (10h ULB). Les étudiants qui suivent ce module s'inscrivent pour cela au cours suivant :

○ WFARI2100	Active molecules	Joëlle Leclercq, null SOMEBODY	50h	6 Credits	
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○ Aspects cliniques (6 credits)

Ce module est composé des matières suivantes : Métabolisme des médicaments et paramètres pharmacocinétiques (20h UCL)/ Aspects théoriques et pratiques des études cliniques (y compris les méthodes statistiques appliquées aux études cliniques)(20h ULg)/ Information et pharmacovigilance (10h ULg). Les étudiants qui suivent ce module s'inscrivent pour cela au cours suivant :

○ WFARI2101	Aspects cliniques	Raphaël Denooz, François-Xavier Mathy, Régis Radermecker	50h	6 Credits	
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○ Assurance de qualité et management pharmaceutique (8 credits)

Ce module est composé des matières suivantes : Aspects économiques du médicament (10h ULg)/ Principes de management pharmaceutique (10h ULg)/ Organisation et assurance de qualité dans l'industrie pharmaceutique & Technologie analytique des procédés et analyse des risques(27.5h UCL)/ Anglais appliqué à l'industrie pharmaceutique(ANGL3451) (20h UCL)/ Brevet et protection industrielle (5h ULB). Les étudiants qui suivent ce module s'inscrivent pour cela au cours suivant :

○ WFARI2102	Assurance de qualité et management pharmaceutique	Xavier Marcelis, Jean Scouart (coord.)	72.5h	8 Credits	
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o Technologie pharmaceutique (8 credits)

Ce module est composé des matières suivantes : Microbiologie pharmaceutique industrielle (15h ULB)/ Préformulation et sélection des formes galéniques (15h ULB)/ Production industrielle des formes galéniques (15h ULg)/ Génie pharmaceutique (15h UCL)/ Aspect industriel du développement technologique y compris le conditionnement (10h ULg). Les étudiants qui suivent ce module s'inscrivent pour cela au cours suivant :

WFARI2103	Technologie pharmaceutique	Philippe Levêque, null SOMEBODY, Rita Vanbever (coord.)	70h	8 Credits	
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o Analyse des médicaments (7 credits)

Ce module est composé des matières suivantes : Pratique des méthodes d'analyse et de contrôle pharmaceutique et biopharmaceutique (10h ULB - 15h ULg)/ Validation des méthodes d'analyse pharmaceutique et biopharmaceutique et qualification de l'appareillage (15h ULg)/ Méthodes statistiques appliquées à l'industrie pharmaceutique (15h UCL)/ Planification expérimentale (10h ULg). Les étudiants qui suivent ce module s'inscrivent pour cela au cours suivant :

WFARI2104	Analyse des médicaments	Bernadette Govaerts, Pierre Lebrun (compensates Bernadette Govaerts), null SOMEBODY	65h	7 Credits	
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o Affaires réglementaires et environnement médico-social (7 credits)

Le module est composé de : Législation et procédures appliquées à l'industrie pharmaceutique (15h UCL)/ Environnement économique et médico-social du médicament (10h ULB)/ Dossier CTD (Common Technical Document) (15h ULB)/ Réglementations des études précliniques et clinique (15h ULB)/ Aspects réglementaires particuliers : médicaments et compléments alimentaires à base de plantes (5h ULg) & développement galénique (5h ULB). Les étudiants qui suivent ce module s'inscrivent à :

WFARI2105	Affaires réglementaires et environnement médico-social	Catherine Druetz	65h	7 Credits	
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o Visites et séminaires organisés dans les industries pharmaceutiques (3 credits)

Ce module est composé des matières suivantes : Séminaires d'immersion en milieu industriel pharmaceutique (22,5h UCL - 25h ULB- 30h ULg). Les étudiants qui suivent ce module s'inscrivent pour cela au cours suivant :

WFARI2106	Visites et séminaires organisés dans les industries pharmaceutiques	null SOMEBODY, Rita Vanbever	77.5h	3 Credits	
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o Mémoire (15 credits)

WFARI2109	Mémoire (dans le cadre d'un stage de 12 semaines)	N.		15 Credits	
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