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## Introduction

### Introduction

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## Teaching profile

### Learning outcomes

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The approfondissement in pharmaceutical science gives the opportunity to undertake an internship in a branch of the pharmaceutical industry (industry, laboratory, pharmacy, hospital or clinical biology) and gain a deeper understanding of certain areas of the subject (options).

## Detailed programme

### PROGRAMME BY SUBJECT

- Mandatory  
 △ Courses not taught during 2017-2018  
 ⊕ Periodic courses taught during 2017-2018
- ✘ Optional  
 ⊙ Periodic courses not taught during 2017-2018  
 ■ Activity with requisites

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

Year

2 3

#### ○ En deuxième année de bachelier

L'étudiant est tenu de suivre les cours suivants

○ LANGL1855	Medical English	Timothy Byrne (coord.) Carlo Lefevre (coord.)	30h	3 Credits	1 ou 2q	x	
○ WFARM1219	Biophysics applied to the drugs	Bernard Gallez (coord.) Marie-Paule Mingeot	30h+15h	3 Credits	1q	x	
○ WFARM1247	Traitement statistique des données	Céline Bugli (compensates Ingrid Van Keilegom) Ingrid Van Keilegom	15h+15h	3 Credits	2q	x	
○ WFARM1239	Computerized workshop and research on scientific information related to drugs.	Laure Bindels (compensates Patrice Cani) Patrice Cani	5h+10h	2 Credits	1q	x	
○ WMD1200T	Eléments d'épidémiologie (théorie)		20h	2 Credits	2q	x	
○ WMDS1213G	Psychologie générale et médicale (partim psychologie générale)		15h	2 Credits	1q	x	

#### ○ En troisième année de bachelier

Dans le cadre de l'approfondissement en sciences pharmaceutiques, l'étudiant est tenu de choisir l'une des deux possibilités suivantes. Un transfert vers le programme de l'approfondissement en sciences pharmaceutiques - recherche est toutefois possible.

#### ✘ Poursuite de l'approfondissement (15 crédits)

○ WFARM1309	Introduction to the pharmaceutical world, including internships	Valérie Lacour Marie-Paule Mingeot (coord.) Giulio Muccioli Stéphanie Quennery Rita Vanbever Pierre Wallemacq	7.5h	5 Credits	2q	x	
○ WFARM1349	Integrated Seminar in Pharmaceutical Sciences	Nathalie Delzenne Raphaël Frédéric (compensates Didier Lambert) Emmanuel Hermans (coord.) Bénédicte Jordan (compensates Nathalie Delzenne) Didier Lambert Marie-Paule Mingeot	0h+45h	4 Credits	2q	x	

#### ○ Cours au choix de l'approfondissement FARM (6 crédits)

L'étudiant choisit des cours dans la liste ci-dessous pour une valeur de 6 crédits. Ces cours spécifiques de la filière en sciences pharmaceutiques permet à l'étudiant d'approfondir ses acquis dans divers domaines relatifs entre autres au développement, à l'analyse et à la pharmacocinétique des médicaments d'origine synthétique ou naturelle.

✘ WFARM1319	Pharmacognosy, case studies	Joëlle Leclercq	15h	2 Credits	2q	x	
✘ WFARM1329	Advanced instrumental analysis	Marie-France Herent Giulio Muccioli (coord.)	0h+30h	2 Credits	2q	x	
✘ WFARM1339	Compléments de pharmacocinétique	Laure Elens	15h	2 Credits	2q	x	

							Year	
							2	3
⌘ WFARM1359	Drug design en chimie pharmaceutique	Raphaël Frédéric (coord.) Didier Lambert	15h	2 Credits	2q		x	
⌘ WFARM1369	Evaluation de la biodistribution et de l'effet d'un médicament par des méthodes non invasives	Bernard Gallez	15h	2 Credits	2q		x	
⌘ WFARM1379	Seminars of Clinical Chemistry	Catherine Fillee Damien Gruson Vincent Haufroid Teresinha Leal (coord.) Diane Maisin Marie-Françoise Vincent Pierre Wallemacq	0h+30h	2 Credits	2q		x	
⌘ WFARM1370	Formation à la communication scientifique	Timothy Byrne (coord.) Olivia Dalleur	15h+30h	4 Credits	2q		x	

### ⌘ Formation minimale à l'étranger (15 crédits)

L'étudiant qui réalise une partie de son parcours à l'étranger (de l'ordre de 30 crédits) pourra intégrer une partie de ce parcours dans son programme, en lieu et place des 15 crédits de l'approfondissement en sciences pharmaceutiques.

○ WFARM1399	Formation minimale à l'étranger (ERASMUS)			15 Credits			x
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## COURSE PREREQUISITES

A document entitled (nb: not available for this programme wfarm100p) specifies the activities (course units - CU) with one or more pre-requisite(s) within the study programme, that is the CU whose learning outcomes must have been certified and for which the credits must have been granted by the jury before the student is authorised to sign up for that activity.

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

As the prerequisites are a requirement of enrolment, there are none within a year of a course.

The prerequisites are defined for the CUs for different years and therefore influence the order in which the student can enrol in the programme's CUs.

In addition, when the panel validates a student's individual programme at the beginning of the year, it ensures the consistency of the individual programme:

- It can change a prerequisite into a corequisite within a single year (to allow studies to be continued with an adequate annual load);
- It can require the student to combine enrolment in two separate CUs it considers necessary for educational purposes.

For more information, please consult [regulation of studies and exams](#).

## THE PROGRAMME'S COURSES AND LEARNING OUTCOMES

For each UCL training programme, a [reference framework of learning outcomes](#) specifies the competences expected of every graduate on completion of the programme. You can see the contribution of each teaching unit to the programme's reference framework of learning outcomes in the document "In which teaching units are the competences and learning outcomes in the programme's reference framework developed and mastered by the student?"

## Information

### Liste des bacheliers proposant cette mineure

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> [Bachelor in Pharmacy](#) [ en-prog-2017-farm1ba ]

### Admission

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#### Specific Admission Requirements

The approfondissement in pharmaceutical sciences accessible to students enrolled on the baccalaureate in pharmaceutical science, without access criteria.

### Evaluation

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***The evaluation methods comply with the regulations concerning studies and exams (<https://uclouvain.be/fr/decouvrir/rgee.html>). More detailed explanation of the modalities specific to each learning unit are available on their description sheets under the heading "Learning outcomes evaluation method".***

### Possible trainings at the end of the programme

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This training alone does not provide access to the Master's in Pharmaceutical Science.

For students who have undertaken similar training to that offered by the baccalaureate in pharmaceutical science, it may be possible to be accepted onto the Master's in Pharmaceutical Science if a request is made to the admission's committee (via the secretariat : [celis@sfar.ucl.ac.be](mailto:celis@sfar.ucl.ac.be)/UCL73.00, Av. Mounier, 73 at 1200 Bruxelles) and the student takes additional courses set by the committee.

