

Information

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Presentation

the advanced master is organized in collaboration with the ULB.
It aims to provide the prospective specialised pharmacist with the knowledge, skills and attitudes required to deal with many specific problems in hospitals. It prepares the pharmacist to conventional tasks such as the acquisition, preservation, preparation and dispensing of medication in the particular context of this sector, as well as to provide quality care and to best use the resources available. Moreover, it trains the student for more specific tasks, required by current legislation in order, to optimise the use of drugs in the hospital: clinical pharmacy and pharmaceutical care, quality assurance, pharmacovigilance, drafting and distributing information and recommendations, overseeing the preparation of pharmaceutical products, project and team management, and applied research.

The advanced master in Hospital Pharmacy includes theoretical courses and practical training covering all of the fields referred to in the ministerial order of October 22, 2012 (published in the Belgian Official Journal on December 3, 2012), and gives pharmacists the opportunity to earn a professional specialised certification as hospital pharmacists.

Duration

In order to receive the professional title of hospital pharmacist, students will have to follow a theoretical training programme at the university, as well as a practical training programme in one or several hospitals recognised as internship services by Belgium's federal authority on public health. In total, these programmes total 5,000 hours spread out over the course of 3 years.

Specific eligibility requirements

Access to the advanced master is regulated by article 54 of the decree of March 31, 2004, which defines higher education, supports its integration to the European Higher Education Area, and offers funds to universities, and by the implementing orders based on this decree. Direct access to the advanced master in hospital pharmacy, without any additional courses, is granted to students who:

- * hold an academic degree of pharmacist or a master in pharmaceutical sciences, awarded by a Belgian university.

The advanced master in hospital pharmacy is accessible, contingent upon a decision by academic authorities and the additional requirements they set out, to students who hold:

- * a degree in pharmacy delivered in a EU Member State;
- * a foreign title or degree recognised as equivalent to one of those mentioned above.

Enrolment in the Masters is conditional upon receiving a grade of at least 12/20 during the selection process. Selection methods have been set out by the interdisciplinary jury. Selection of candidates is based on different criteria, grouped into three categories :

- * the curriculum vitae (50%);
- * motivation (30%);
- * professional career (internships and/or professional experience) (20%).

Candidates' motivation is assessed during an interview which takes place in the University, whereby the candidate presents his or her request for admission before a specific jury for each partner university. This specific jury consists of members of the Management Committee, an academic member of the Faculty of Medicine (for ULg)/the Faculty of Pharmacy (for ULB), and two hospital pharmacists within a university or non-university hospital.

In order to ensure the quality of the programmes, the number of students might be limited.

Additional information on the selection process can be obtained from the person in charge of the programme.

In the cases when students do not automatically qualify for the advanced master, students should submit an application to the admissions office (EU students: admission.ue@ulg.ac.be - non-EU students: admission.horsue@ulg.ac.be - Phone # : +32 4 366 96 66)

Holders of a degree in pharmacy earned outside of the European Union are not legally permitted to practice in Belgium. They are therefore not eligible to the advanced master in hospital pharmacy. They can apply to enrol in the *Certificate of further education in pharmaceutical sciences*.

The certificate's programme is established by the professors in charge of the programme, on an individual basis, depending on each candidate's previous education. It is awarded at the end of a programme whose length is between 1 year and 3 years.

Learn more about the ULg's certificates: <http://progcoours.ulg.ac.be/cocoon/fac/facM>

Collegiality

Coordinator : Thierry VAN HEES

First Year

Compulsory courses

Module 1 : Hospital organization and management

MCPH2017-2	<i>Organization and hospital management elements</i>				6
	- <i>Organization and management</i> - Alain DE WEVER	9	-	-	
	- <i>Accounting and financial management</i> - Magali PIRSON	9	-	-	
	- <i>Legislation of pharmaco device vigilance</i> - N...	6	-	-	
	- <i>General concepts of management and quality management</i> - Viviane LIEVIN, Didier VAN CAILLIE	18	-	-	
MCPH2001-3	<i>Good hospital pharmacy practice</i> - Marc DEMOULIN, Thierry VAN HEES, Serge VAN PRAET - [12h SEM]	24	-	[+]	5

Module 3 : Pharmacotherapy - Part 1

MCPH2033-1	<i>Clinical trials</i>				4
	- <i>Methodologies used in clinical trials and observational studies</i> - Xavier GERARD, Olivia NIESSEN	12	-	-	
	- <i>Complements of biostatistics</i> - Christian MELOT - [3h SEM]	6	-	[+]	

Module 4 : Pharmaceutical and hospital technology - Part 1

MCPH2034-1	<i>Hospital pharmacy technology : manufacture, control, quality assurance of hospital preparations, Part 1</i> - Isabelle ROLAND, Bernard VAN GANSBEKE - [3h SEM]	24	-	[+]	4
MCPH2035-1	<i>Single-use sterile medical devices, prostheses and implants</i> - Yvan HUON, Serge VAN PRAET	24	-	-	4
MCPH2030-1	<i>Parenteral treatment, medical and surgical techniques and Gene and cell therapy</i> - JeanFrançois BRICHANT, JeanLouis VINCENT	30	-	-	5

Module 5 : Pharmaceutical radiotherapy - Part 1

MCPH2036-1	<i>Theoretical aspects, therapeutic and diagnostic applications</i> - Joël AERTS, Ghanem GHANEM, Bernard VAN GANSBEKE	12	-	-	2
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Learning field

MCPH2037-1	<i>Learning file : Hospital organization and management (Module 1) and Hospital pharmacy technology (Module 4)</i> - COLLÉGIALITÉ	-	-	-	10
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Placement in an approval institution

MSTG9043-1	<i>Placements, 1st year, 1st part</i>				10
	- <i>Organization and management of the hospital pharmacy; organization and management of the circulation of medicines including management of the processes, quality management and management of information concerning the medicines</i> - COLLÉGIALITÉ - [480h Internship]	-	-	[+]	
	- <i>Clinical trials</i> - COLLÉGIALITÉ - [30h Internship]	-	-	[+]	
MSTG9044-1	<i>Placements, 1st year, 2nd part</i>				10
	- <i>Oncology preparation and risk products</i> - COLLÉGIALITÉ - [180h Internship]	-	-	[+]	
	- <i>Other preparations including compounding and sterile preparations</i> - COLLÉGIALITÉ - [90h Internship]	-	-	[+]	
	- <i>Pharmaceutical radiotherapy</i> - COLLÉGIALITÉ - [60h Internship]	-	-	[+]	

Second year

Compulsory courses

Module 2 : Fight against infections and prevention

MCPH2038-1	<i>Fight against infections and prevention</i>				6
	- <i>Compléments de microbiologie et hygiène hospitalière</i>	18	-	-	
	- <i>Stérilisation et désinfection</i>	12	-	-	

- Compléments de vaccinologie et d'antibiothérapie, y compris d'antibioprophylaxie 18 - -

Module 3 : Pharmacotherapy - Part 2

MCPH2039-1	<i>Physiopathologie et Pharmacothérapie avancée</i>	60	-	-	9
MCPH2040-1	<i>Pharmacocinétique avancée, pharmacogénomique et monitoring thérapeutique des médicaments</i>	12	-	-	2
MCPH2041-1	<i>Pharmacie clinique</i>				7
	- Pharmacie clinique et soins pharmaceutiques	18	-	-	
	- Gestion de l'information et introduction à l'EBM	12	-	-	
	- Séminaires de Pharmacie clinique - [24h SEM]	-	-	-	[+]

Module 4 : Pharmaceutical and hospital technology - Part 2

MCPH2035-2	<i>Single-use sterile medical devices, prostheses and implants</i>	9	-	-	2
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Module 5 : Pharmaceutical radiotherapy - Part 2

MCPH2042-1	<i>Techniques de diagnostic et produits de contraste</i>	9	-	-	1
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Learning field

MCPH2043-1	<i>Dossier d'apprentissage : Lutte contre les infections et prévention (Module 2) et Pharmacothérapie (Module 3)</i>	-	-	-	10
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Placement in an approval institution

MSTG9045-1	<i>Stages, 2e année, 1re partie</i>				10
	- Lutte contre les infections, y compris l'hygiène hospitalière et la stérilisation centrale- [60h Internship]				[+]
	- Gestion de l'antibiothérapie et de l'antibioprophylaxie - [60h Internship]				[+]
	- Organisation et gestion du circuit des dispositifs médicaux, y compris les activités relevant des missions du Comité matériel médical - [120h Internship]				[+]
MSTG9046-1	<i>Stages, 2e année, 2e partie</i>				10
	- Pharmacie clinique et soins pharmaceutiques exercés dans une à deux unités de soins - [300h Internship]				[+]
	- Activités relevant des missions du Comité médico-pharmaceutique - [60h Internship]				[+]

Module 6 : Initiation to clinical research

MCPH2044-1	<i>Introduction à la recherche clinique et en milieu hospitalier</i>	12	-	-	3
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Third year

Compulsory courses

MCPH2045-1	<i>Cours thématiques et séminaires - rédaction du protocole</i>	-	-	-	15
MCPH2046-1	<i>Réalisation du projet - [1000h Internship]</i>	-	-	-	[+] 20
MTFE9007-1	<i>Rédaction et défense du mémoire</i>	-	-	-	25