



Hospital Pharmacy specialisation in Flanders*



* Legal requirements identical for French-speaking region of Belgium, but academic programme slightly different

Hospital Pharmacy education since 2010-2011

- 1. Academic programme**
= interuniversity specialisation
Master in Hospital Pharmacy
 - Lectures
 - Master's thesis
- 2. Practical training in a hospital pharmacy**
**= under supervision of the Accreditation
Commission for Hospital Pharmacists**

Hospital Pharmacist must be accredited by law

- **October 22, 2012. – Royal Decree**

Koninklijk besluit tot vaststelling van de [procedure](#) voor de erkenning van de bijzondere beroepstitel van ziekenhuisapotheker

- **October 22, 2012. – Ministerial Decree**

Ministerieel besluit tot vaststelling van de [erkenningcriteria](#) voor de bijzondere beroepstitel van ziekenhuisapotheker

Criteria for accreditation

The candidate must:

- 1) hold the Master's degree of Pharmacist
5 years education
- 2) hold the degree of Master in Hospital Pharmacy
60 ECTS-points spread over 3 years (including master's thesis)
- 3) have followed a practical training according to a training plan accredited by the minister (= commission of accreditation)
internship of 3500 hours

Academic programme for Master in Hospital Pharmacy

Year 1

- from end Sept - mid April
- Lectures (40 ECTS points; 1 point = 25-30 hours)

Year 2

- Lectures (4 ECTS points)

Year 3

- Master's Thesis (16 ECTS points)

Academic programme: domains

1. Organisation and management of hospitals

a) hospital

b) hospital pharmacy

2. Infections: prevention and treatment

3. Pharmacotherapy

including Physiopathology - Clinical pharmacy –
Clinical trials - Pharmacokinetics

4. Pharmaceutical technology in the hospital

including magistral preparations, parenteral and
enteral nutrition, medical devices, ATMP

5. Radiopharmaceuticals and contrast agents

Master's thesis

- Subject can be in all domains of hospital pharmacy
- Subject chosen in consultation with training supervisor and agreed by academic supervisor
- Literature or preferably empirical research
- In 2nd and 3rd year
- Academic supervisor ensures the master's thesis corresponds to 16 ECTS points (= 400 – 480 hours)

Practical training programme (non-academic)

Year 1

- from end April - end September (16 weeks)
- in one or more Hospital Pharmacies, accredited by minister as internship site

Year 2

- from October – end September
- In one or more Hospital Pharmacies, accredited by minister as internship site (**limited pay by government**)

Year 3

- from October – end September
- in one or more Hospital Pharmacies, accredited by minister as internship site (**limited pay by government**)

Practical training is over a period of 3 years - minimum duration = 3500 hours

Internship practical: modules

1. Management of hospital pharmacy (distribution of drugs, quality assurance,...) and clinical trials
2. Anti-infectives and medical devices
3. Clinical pharmacy activities
 - a) Clinical pharmacy and Pharmaceutical care
 - b) Activities of the Medical Pharmaceutical Committee
4. Preparation activities (GPP - magistral – cytostatics – radiopharmaceuticals)

Additional activities during internship

- Training supervisor allows student to participate in **scientific activities** (postgraduate education, symposia, congresses) during **at least 20 hours**
- Student actively contributes to **internal training programs** for healthcare providers
- Master's thesis should result in **a publication** in a national or international journal or a poster presentation

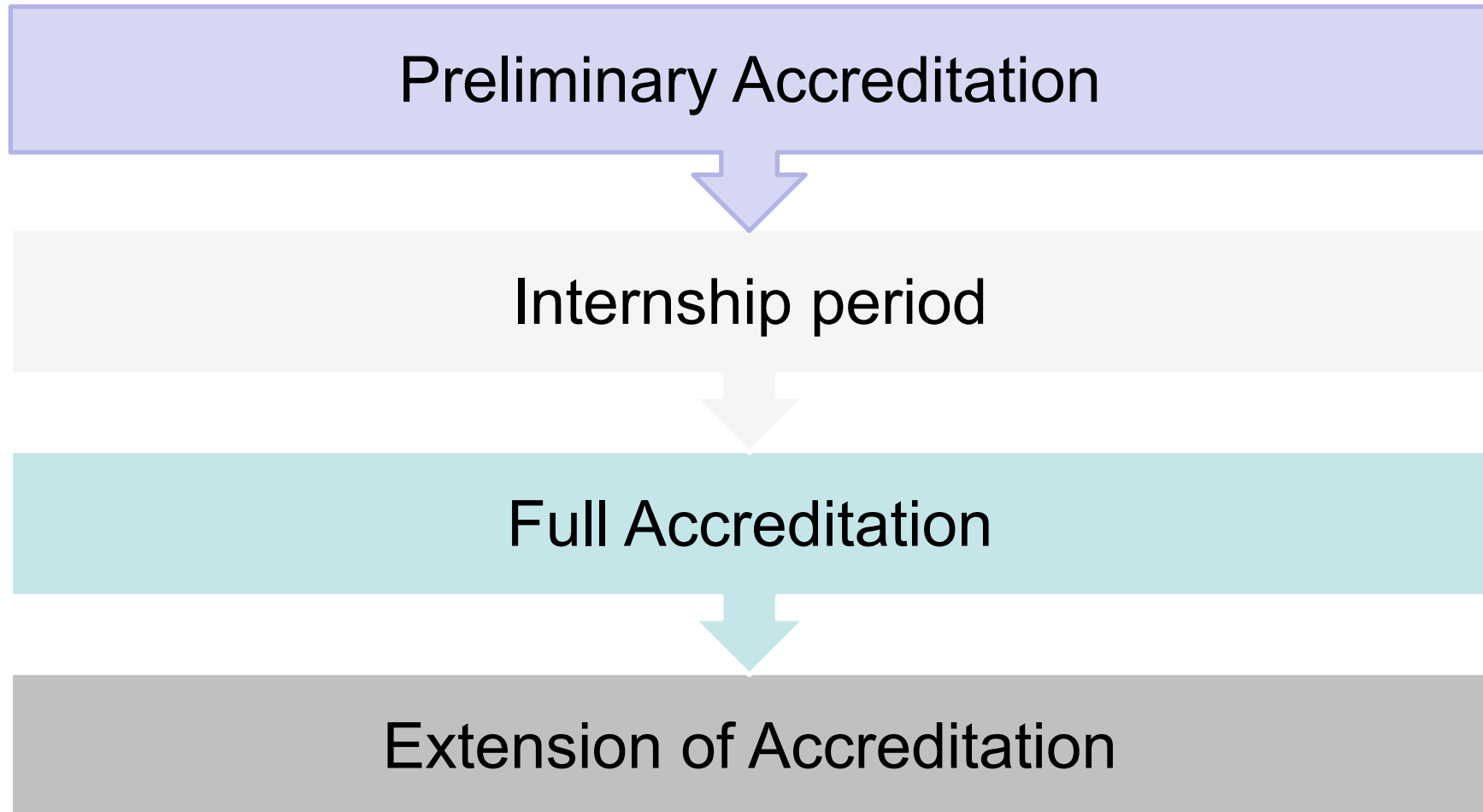
Accreditation Commission for Hospital Pharmacists

- national committee – 15 members
- mix of members from the Flemish Community, Wallonia-Brussels and the German Community
- 7 representatives of the Belgian universities
- 7 representatives of professional organisations of Hospital pharmacists
- 1 representative of Minister of Health
- task: advising the Minister of Health

Accreditation Commission for Hospital Pharmacists

- advises the Minister in the accreditation of internship sites and internship supervisors
- advises the Minister in the Preliminary, the Full and the Extended Accreditation
 - approval of training plans
 - monitoring of the internships (evaluation of internship diaries and of yearly evaluation reports of supervisors)
 - approval of continuous education courses to extend the accreditation and allocation of accreditation points
- audits of internship sites

Steps in Accreditation process for Hospital Pharmacist



Criteria for Preliminary Accreditation

- enrollment in the **academic study** Master in Hospital Pharmacy
- **training plan**, consisting of a theoretical education and a practical training over a period of 3 years, approved by the Minister of Health
- **internship is under direct supervision of an accredited training supervisor (= hospital pharmacist) and in an accredited internship site**

Internship period

- candidate **follows all modules of the practical training** as defined by law
- candidate participates in **at least 8 guard services** (night and weekend) organised in the internship site
- candidate keeps an **internship diary**
- once a year the internship supervisor submits the (signed) internship diary and an **evaluation report** to the Minister of Health

Criteria for Full Accreditation

The candidate:

- holds a **Master's degree of Pharmacist**
- holds a degree of **Master in Hospital Pharmacy** delivered by a Belgian university
- has completed an approved **training plan** (including an academic education and a practical training)
- For migrants equality of qualifications and training plans should be submitted

Criteria for Full Accreditation

- application for full accreditation is submitted to the Minister of Health
- Accreditation Commission advises the Minister
- full accreditation for the profession of hospital pharmacist is given by the Minister **only once and for a period of five years**

Criteria for Extension of Accreditation

Requirements:

- evidence of having acquired at least 120 accreditation points by attending continuing education courses, approved by the Accreditation Commission
- request submitted to the Minister of Health at least six months before expiration of the full accreditation

Criteria for Extension of Accreditation

- during full accreditation period, at least 120 accreditation points should be acquired, of which **60 points in the same domains as in the academic specialisation programme**
 - 15 points in domain 1
 - 15 points in domain 2
 - 15 points in domain 3
 - 15 points in domains 4 and 5

Criteria for Extension of Accreditation

- Minister of Health transfers request for extension for advice to the Accreditation Commission
- on the condition of positive advice, Minister of Health grants **extension of Accreditation for a period of five years**
- at least six months before expiration of this Accreditation, a new application for extension **for the next five years** should be submitted **and so on...**



Clinical Pharmacy

2007 – 2014

54 Projects, financially supported by Public Health Department

- 4 x / year activity registration
- Case reports
- Annual report
- Feedback
- Annual Discussion Meeting

1st of July 2014

NEW !! Financial support for a 0.25 FTE clinical pharmacist/200 beds, with a max of 2 FTE for each general hospital