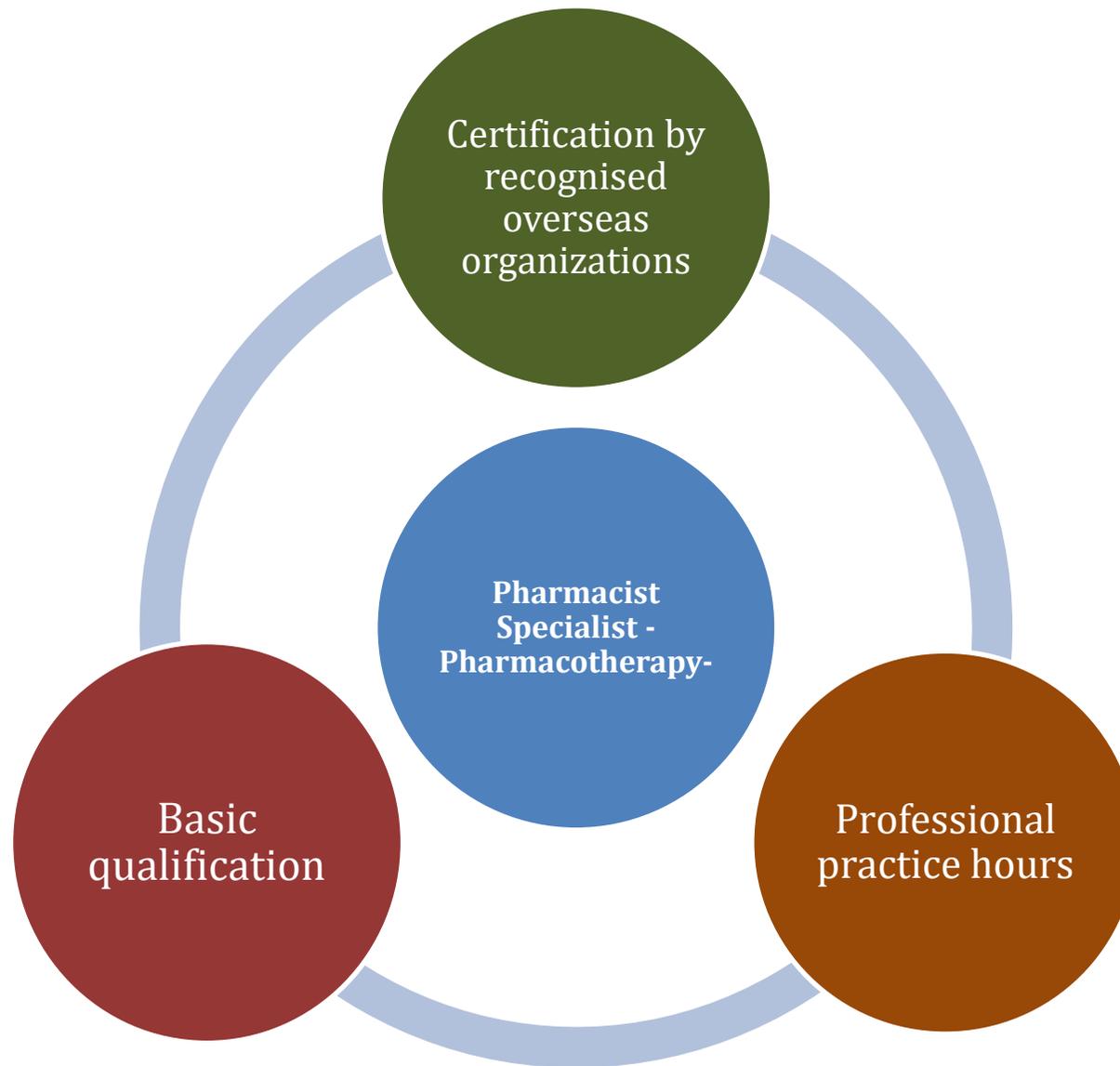


Specialty Training Framework (Pharmacotherapy- Internal Medicine)



Criteria for becoming a Pharmacist Specialist in Pharmacotherapy- Internal Medicine

Minimum qualifications:

1. Ordinary member of CPP
2. At least 4 years of experience as a registered pharmacist
3. Certification by a recognized overseas organization as a board certified specialist, in any one of the following 3 areas:
 - Board Certified Pharmacotherapy Specialists (BCPS)
 - Board Certified Ambulatory Care Pharmacist (BCACP)
 - Board Certified Geriatric Pharmacist (BCGP)by The Board of Pharmacy Specialties (BPS) of the United States of America

Additional requirements:

Professional practice hours

A minimum of 2000 hours in the following areas with proof from supervisor or head of pharmacy department

Professional activities	Requirement (percentage of the total reported hours)
<p>A. <u>General Clinical Activities & Duties</u> <i>The candidate must meet both aspects stated below:</i></p> <p>1. Participation in <u>inpatient</u> and <u>outpatient</u> pharmaceutical care activities, with the goal to ensure the intended treatment regimen are properly administered to patients.</p> <p>❖ Care approach: Task-based with emphasis on reviewing of the available medication-related information and provision of proper advice after assessment</p> <p><i>Example of inpatient activities (but not limit to):</i></p> <ul style="list-style-type: none">■ Participate in medication reconciliation services during transition of care, including on admission, discharge and inter- or intra-hospital transferal■ Participate in ward rounds in general medical wards■ Provide dosing recommendations based on the patient's organ function■ Deliver direct bedside patient counseling and education■ Participate in Antibiotic stewardship programme <p><i>Examples of outpatient activities (but not limit to):</i></p> <ul style="list-style-type: none">■ Participate in concordance clinic services with assessment of patient's adherence status and delivery of appropriate recommendations to optimize drug adherence■ Participate in outpatient pharmacist services including inhaler technique counseling, drug refill services, medication reconciliations, etc. <p>2. Provide drug information to other healthcare professionals with utilization of thorough workup and documentation to address various drug related problems</p>	<p>No more than 30%</p>

B. Advanced Level Clinical Activities & Duties

The candidate must meet all criteria stated below:

1. Participation in inpatient and outpatient pharmaceutical care activities, with the **goal to optimize individual patient's treatment outcomes** with thorough consideration of patient's individual characteristics and current clinical condition and implementation of care plans.

✧ **Care approach: Outcome-based, patient-centered, i.e. to consistently assess each patient's medication for its efficacy, safety, feasibility and cost concerns (or access) with the following processes:**

- i. Collect comprehensive subjective and objective information from various sources available to understand the relevant medical/medication history, clinical status, and health-related needs of the patient.
- ii. Assess the information collected and analyze the clinical effects of the patient's therapy in the context of the patient's *overall health goals* in order to identify and *prioritize drug-related problems and achieve optimal care*.
- iii. Develop an *individualized care plan* in collaboration with other health care professionals that is evidence-based and cost effective.
- iv. *Implement* the care plan in collaboration with the patient, caregiver(s), and other health professionals
- v. *Follow-up, monitor and evaluate* its effectiveness and safety, and *modifies* the plan if necessary

Example of inpatient activities (but not limit to):

- Active involvement in ward rounds in medical wards with a role in designing, monitoring and evaluating patient specific pharmaceutical care plans to optimize pharmacotherapy and to prevent and resolve drug related problems.
- Active involvement in therapeutic drug monitoring. Interpret the drug level and evaluate the pharmacokinetic factors and other factors that may have affected the findings. Recommend appropriate laboratory investigations accordingly and re-evaluate.

Example of outpatient activities (but not limit to):

- Active involvement in patient's disease and therapy management with utilization of a multidisciplinary approach.

At least 60%

<ul style="list-style-type: none"> ■ Active involvement in anticoagulation services utilizing protocol-driven care that includes the monitoring of patient's anticoagulation control, monitoring patient's control of concomitant medical illness(es), and address possible adverse effects from anticoagulant or concomitant medications. The pharmacist shall also assess and evaluate factors that affect anticoagulation control, and arrange appropriate laboratory investigations accordingly. ■ Active involvement in geriatric services with focus on the unique needs of the population, including deprescribing according to established guidance, management of geriatric syndrome and prevention of iatrogenic adverse outcomes. Provide patient education with consideration of the patient's cognitive ability and caregiver status. <ol style="list-style-type: none"> 2. Involvement in reviewing, standardization or development of dosing references, administration guidelines, protocols, patient care pathways or guidelines on disease management (drug therapy) 3. Involvement in clinical service planning and design. 4. Providing advice for maintaining and updating of the local drug formulary affecting the service-relevant patient population 	
<p>C. <u>Professional Education, Training, and Research</u></p> <ol style="list-style-type: none"> 1. Provision of written medication education, pharmacotherapy lectures, or other related presentations to healthcare professionals in tertiary education units or health care institutions (examples include newsletter, bulletins and journal club discussions, etc) 2. Conducting and supervising practice-based / research projects and supervision of junior pharmacists 3. Implementation, with or without collaborations with other health care professionals, of research projects or drug use evaluations; presentation of abstracts or scientific topics in local or oversea meetings 4. Contribution to medical conferences or seminar 5. Delivery of public education or liaison with local patient support groups or pharmacy organizations for the betterment of renal patients 	<p>Within 5-10%</p>

Conferment of Specialist status

Conferment of the specialist status by CPP takes place twice a year (June and December). Deadlines for application are 3 months prior to each conferment i.e. 31 March and 30 September

Application

Application forms are available at <http://www.cpp.org.hk>. The complete application dossier should be mailed to 13/F., Kingsfield Centre, 18 Shell Street, North Point, Hong Kong.