

## **Health care and Pharmaceutical**

### **CERTIFIED NUCLEAR PHARMACIST (CNP)**

### **Curriculum**

#### **Program Outline :**

#### **Module 1: Fundamentals of Certified Nuclear Pharmacist (CNP)**

**1.Purpose:** The BCNP certification validates a pharmacist's advanced knowledge and expertise in nuclear pharmacy. Ensures proficiency in the safe and effective use of radio pharmaceuticals for research, diagnosis, therapy, and monitoring.

**2.Eligibility Requirements:** Graduation from an accredited pharmacy program (ACPE or equivalent international program). Possession of a current, active pharmacy license.

**3.Examination Content:** Handling and preparing radio pharmaceuticals. Properly compounding, dispensing, and distributing radio pharmaceuticals

**4.Certification Process:** Meet the eligibility requirements. Pass the certification examination to earn the BCNP designation.

**5.Role of a BCNP:** Play a critical role in healthcare teams, ensuring the safe use of radiopharmaceuticals. Collaborate with other healthcare professionals to optimize patient care and outcomes

## **Module 2: Advanced Certified Nuclear Pharmacist (CNP)**

**1.Optimizing Therapy:** Advanced knowledge and experience to optimize medication therapy for ambulatory patients, including those who self-administer medications or receive assistance from caregivers.

**2.Specialized Clinical Skills:** Enhanced clinical skills for managing complex chronic diseases and providing specialized medication therapy management.

**3.Advanced Patient Care:** Providing comprehensive and advanced patient care in ambulatory settings, including preventive care, chronic disease management, and health promotion.

**4.Inter professional Collaboration:** Strengthening collaboration with other healthcare professionals to ensure coordinated and effective patient care

## **Module 3: Practical Applications**

**1. Patient Care and Management:**  
**Medication Therapy Management (MTM):** Pharmacists optimize medication regimens to improve therapeutic outcomes and reduce adverse effects.

**2. Clinical Practice:**  
**Patient Counseling:** Educating patients on proper medication use, potential side effects, and lifestyle modifications to enhance health outcomes.

### **3. Pharmaceutical Research and Development:**

**Drug Discovery and Development:** Conducting research to discover new medications and develop existing ones

### **4. Healthcare Technology and Innovation:**

**Telemedicine:** Using telehealth platforms to provide remote consultations, follow-ups, and health monitoring

## **Module 4: Capstone Project**

### **1.Impact of Telemedicine on Patient Outcomes**

Analyze the effectiveness of telemedicine in improving patient outcomes, especially for chronic disease management .

### **2.Pharmaceutical Waste Management**

Develop strategies to reduce pharmaceutical waste and its environmental impact.

### **3.Medication Adherence in Elderly Patients**

Investigate factors affecting medication adherence among elderly patients and develop interventions to improve adherence.

### **4.Implementation of an Electronic Health Records (EHR) System**

Assess the challenges and benefits of implementing an EHR system in a healthcare facility

## **ELECTIVE MODULES**

**1.Advanced Pharmacology:** Deep dive into the mechanisms of action, side effects, and interactions of various drugs.

**2.Clinical Research Methods:** Learn about designing and conducting clinical trials, data analysis, and ethical considerations.

**3.Health Informatics:** Study the use of information technology in healthcare, including electronic health records and data management.

**4.Global Health:** Explore health issues and solutions in a global context, including international health policies and practices

**Websites:**

- <https://chools.in/>
- <https://ramaqchools.com/>
- <https://www.choolsgroup.com/>