

Health care and Pharmaceutical

CERTIFIED ONCOLOGY PHARMACIST (COP)

Curriculum

Program Outline :

Module 1: Fundamentals of Certified Oncology Pharmacist (COP)

1. Purpose: The BCOP certification validates a pharmacist's advanced knowledge and expertise in oncology pharmacy. Ensures proficiency in optimizing medication therapy for individuals receiving treatment for cancer or non-malignant hematologic conditions, palliative and supportive care, and survivorship care.

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

3. Examination Content: Understanding cancer etiology, pathophysiology, and diagnostic testing. Knowledge of pharmacotherapeutic treatments, including chemotherapy, targeted therapies, and immunotherapies. Managing adverse events and clinical situations associated with cancer therapies.

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

5.Role of a BCNP: Play a critical role in healthcare teams, ensuring the safe and effective use of oncology medications. Collaborate with other healthcare professionals to optimize patient care and outcomes for individuals with cancer or hematologic conditions

Module 2:Advanced Certified Oncology Pharmacist (COP)

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

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

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

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

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/>