

Health care and Pharmaceutical

CERTIFIED PHARMACY TECHNICIAN (CPHT)

Curriculum

Program Outline :

Module 1: Fundamentals of Certified Pharmacy Technician (CPhT)

1. Medication Knowledge: Understanding the names, uses, dosages, and side effects of common medications.

2. Patient Safety and Quality Assurance: Ensuring the safe handling and dispensing of medications, and maintaining quality standards in the pharmacy.

3. Order Entry and Processing: Accurately entering and processing prescription orders, including verifying patient information and insurance details.

4. Federal Requirements: Knowledge of federal regulations related to pharmacy practice, such as DEA schedules and controlled substance handling.

5. Pharmacy Operations: Familiarity with pharmacy management software, inventory control, and the roles and responsibilities of pharmacy technicians

Module 2: Advanced Certified Pharmacy Technician (CPhT)

1. Advanced Medication Knowledge: Deepening understanding of complex medication regimens, including biologics, specialty drugs, and compounded medications.

2. Leadership and Supervision: Developing leadership skills to supervise and mentor other pharmacy technicians and support staff.

3. Specialized Clinical Skills: Enhancing clinical skills for managing high-acuity patients and participating in advanced therapeutic interventions.

4. Quality Improvement Initiatives: Leading and participating in quality improvement projects to enhance pharmacy operations and patient care.

5. Regulatory and Compliance Expertise: In-depth understanding of healthcare regulations and compliance requirements specific to advanced pharmacy practice.

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

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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/>