

Health care and Pharmaceutical

CERTIFIED MEDICAL ASSISTANT (CMA)

Curriculum

Program Outline :

Module 1: Fundamentals of Certified Medical Assistant (CMA)

1.Clinical Skills: Proficiency in taking vital signs, preparing patients, phlebotomy, administering injections, and performing basic laboratory tests.

2.Administrative Skills: Managing patient appointments, medical records, billing, coding, and patient communication.

3. Interpersonal Skills: Providing compassionate care, collaborating with healthcare team members, and effective communication.

4. Knowledge of Medical Terminology: Accurate understanding and use of medical terms in documentation and communication.

5.Compliance with Healthcare Regulations: Adherence to healthcare laws, regulations, and ethical standards.

Module 2: Advanced Certified Medical Assistant (CMA)

1.Clinical and Administrative Expertise: Demonstrates advanced skills

in both clinical procedures (e.g., phlebotomy, EKGs) and administrative tasks (e.g., patient scheduling, billing) in healthcare settings.

2.Accredited Certification: Requires passing an exam through recognized organizations like the American Association of Medical Assistants (AAMA) or other certifying bodies.

3.Eligibility Requirements: Typically necessitates completion of an accredited medical assisting program and may require prior CMA certification or work experience for advanced credentialing.

4.Career Opportunities: Opens pathways to roles such as Lead Medical

Assistant, Clinical Supervisor, or Administrative Coordinator in outpatient clinics, hospitals, or private practices.

5.Continuing Education: Requires periodic recertification through continuing education units (CEUs) or re-examination to maintain the credential and stay updated with medical advancements.

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/>