# Certified Medication Aide Course No. 36156 Credit: 0.5

|  |  |  |  |
| --- | --- | --- | --- |
| **Student name:**  |  | **Graduation Date:** |  |

Pathways and CIP Codes:Health Science (51.9999)

Course Description: **Application Level:** This course includes the development of knowledge related to many commonly prescribed medications. Students will learn the classification, side effects and techniques of administration, including preparation and accurate distribution of medications. Safe administration of oral medications is discussed and demonstrated. Students will be prepared to take the Kansas CMA examination.

Directions:The following competencies are required for full approval of this course. Check the appropriate number to indicate the level of competency reached for learner evaluation.

**RATING SCALE:**

4. Exemplary Achievement: Student possesses outstanding knowledge, skills or professional attitude.

3. Proficient Achievement:Student demonstrates good knowledge, skills or professional attitude. Requires limited supervision.

2. Limited Achievement:Student demonstrates fragmented knowledge, skills or professional attitude. Requires close supervision.

1. Inadequate Achievement:Student lacks knowledge, skills or professional attitude.

0. No Instruction/Training:Student has not received instruction or training in this area.

## Benchmark 1: Safety practices

### Competencies

| **#** | **DESCRIPTION** | **RATING** |
| --- | --- | --- |
| 1.1 | Demonstrate proper infection control practices including standard precautions, CMA role in facility policies, hand hygiene and additional methods of infection control. |  |
| 1.2 | Describe and demonstrate safety practices in relation to preparation for drug administration, administering medication, mathematics, weights and measures, and monitoring for side effects. |  |
| 1.3 | Describe and demonstrate safety practices in relation to forms of medication and appropriate route and techniques of administration of medications. |  |
| 1.4 | Describe and demonstrate safety practices in relation to drug standards, names and drug resource information. |  |

## Benchmark 2: Orientation to Medications

### Competencies

| **#** | **DESCRIPTION** | **RATING** |
| --- | --- | --- |
| 2.1 | Demonstrate ability to use drug resource materials. |  |
| 2.2 | Differentiate between a generic and brand name for a drug. |  |
| 2.3 | Describe the basic expectations of a medication aide. |  |
| 2.4 | Explain what is meant by the term side effect when discussing drug action. |  |

## Benchmark 3: Pharmacodynamics

### Competencies

| **#** | **DESCRIPTION** | **RATING** |
| --- | --- | --- |
| 3.1 | Identify what happens to medications when they enter the human body and how they produce their effects. |  |
| 3.2 | Discuss how medications are affected by normal body processes, the individual and modes of administration. |  |
| 3.3 | Recognize adverse reactions that occur with medication administration. |  |

## Benchmark 4: Fundamentals of Medication

### Competencies

| **#** | **DESCRIPTION** | **RATING** |
| --- | --- | --- |
| 4.1 | Describe different medication forms used in practice and their nursing implications. |  |
| 4.2 | Determine from a list which medicines should not be crushed and give explanations. |  |
| 4.3 | Accurately interpret simulated medicine orders using abbreviations pertaining to medication. |  |
| 4.4 | Write abbreviations for units of measure with the meaning. |  |

## Benchmark 5: Dosage Calculation

### Competencies

| **#** | **DESCRIPTION** | **RATING** |
| --- | --- | --- |
| 5.1 | Recognize three systems of measurement used in the calculation of dosage. |  |
| 5.2 | Solve simple dosage problems involving decimals, fractions and percent. |  |
| 5.3 | Perform simple conversions among systems of measurement. |  |

## Benchmark 6: Medications for Infection and Cancer

### Competencies

| **#** | **DESCRIPTION** | **RATING** |
| --- | --- | --- |
| 6.1 | State the structure of a body system from simple to complex. |  |
| 6.2 | Identify all the systems of the body as reviewed in the unit. |  |
| 6.3 | Describe two disorders that can affect any system. |  |
| 6.4 | Explain how anti-infectives/antibiotics are effective in the treatment of pathogenic invasion. |  |
| 6.5 | Distinguish between the various classifications of anti-infectives. |  |
| 6.6 | State universal precaution guidelines. |  |

## Benchmark 7: Medication and the Elderly

### Competencies

| **#** | **Description** | **RATING** |
| --- | --- | --- |
| 7.1 | Describe normal physical changes of aging. |  |
| 7.2 | Recognize the effects of aging on the pharmacokinetics of medication. |  |

## Benchmark 8: Medication for the Respiratory System

### Competencies

| **#** | **Description** | **RATING** |
| --- | --- | --- |
| 8.1 | Correctly describe the structure and function of the respiratory system. |  |
| 8.2 | Identify common respiratory disorders and applied nursing interventions. |  |
| 8.3 | Classify medications used to treat respiratory disorders. |  |
| 8.4 | Discuss conditions that affect the ear. |  |

## Benchmark 9: Medications for the Urinary System

### Competencies

| **#** | **Description** | **Rating** |
| --- | --- | --- |
| 9.1 | Recognize structure and function of the urinary system. |  |
| 9.2 | Differentiate the medications used to treat urinary disorders, their actions and nursing implications for care that accompany them. |  |
| 9.3 | Discuss and demonstrate the importance of accurate intake-output measurement. |  |

## Benchmark 10: Role and Routine Responsibilities of the Medication Aide

### Competencies

| **#** | **Description** | **rating** |
| --- | --- | --- |
| 10.1 | Role and Routine Responsibilities of the Medication Aide. |  |
| 10.2 | Describe how to order, store, dispose of and account for medications. |  |
| 10.3 | Illustrate medication administration documentation. |  |
| 10.4 | Successfully demonstrate medication administration. |  |
| 10.5 | Apply the “6 Rights” to medication administration. |  |
| 10.6 | Describe the role and responsibility of a CMA in Kansas, including statutes and regulations, and ethical standards of conduct. |  |
| 10.7 | Demonstrate effective communication including: resident communication, staff communication, and written communication (documentation). |  |
| 10.8 | Identify and describe jobs where a Certified Medication Aide certification is needed. |  |
| 10.9 | Identify and describe job opportunities that a Certified Medication Aide certification can lead to. |  |

## Benchmark 11: Medication Affecting the Nervous and Sensory System

### Competencies

| **#** | **Description** | **Rating** |
| --- | --- | --- |
| 11.1 | Describe basic normal function of the nervous system. |  |
| 11.2 | Explain the major action of medication used to treat disorders of the nervous system. |  |
| 11.3 | Apply basic nursing interventions to the care of nervous system disorders. |  |

## Benchmark 12: Medications Affecting the Digestive System, Vitamins and Minerals

### Competencies

| **#** | **Description** | **Rating** |
| --- | --- | --- |
| 12.1 | State structures and functions of digestion and elimination. |  |
| 12.2 | Determine how various abnormal conditions may affect medication efficacy. |  |
| 12.3 | Apply nursing assessment and interventions associated with drug therapy and diseases of the digestive system. |  |
| 12.4 | Determine appropriate level of treatments performed by the CMA. |  |

## Benchmark 13: Medications for the Musculoskeletal System

### Competencies

| **#** | **Description** | **Rating** |
| --- | --- | --- |
| 13.1 | Discuss the structure and functions of the musculoskeletal system. |  |
| 13.2 | Identify common disorders that affect the musculoskeletal system. |  |
| 13.3 | Classify medications used to treat disorders of the musculoskeletal system. |  |
| 13.4 | Determine what nursing interventions would be appropriate for the musculoskeletal system. |  |

## Benchmark 14: Medications for the Integumentary System

### Competencies

| **#** | **Description** | **Rating** |
| --- | --- | --- |
| 14.1 | Describe the structures and functions of the integumentary system. |  |
| 14.2 | Identify disorders that affect the integumentary system and the medications used to treat them. |  |
| 14.3 | Demonstrate correctly the procedures involved in the application of topical medications. |  |

## Benchmark 15: Medications Used for Endocrine/Reproductive Systems

### Competencies

| **#** | **Description** | **Rating** |
| --- | --- | --- |
| 15.1 | Discuss the structures and functions of the endocrine system. |  |
| 15.2 | Identify and classify medications used in the treatment of disorders of the endocrine system. |  |
| 15.3 | Demonstrate basic knowledge of diabetes mellitus, cause of condition and systemic effects related to condition. |  |

## Benchmark 16: State Requirements

### Competencies

| **#** | **Description** | **Rating** |
| --- | --- | --- |
| 16.1 | Meet all state requirements for Certified Medication Aide certification and training. |  |
| 16.2 | Meet any requirements for Certified Medication Aide to work in the state of Kansas and identify other requirements in neighboring states. |  |

I certify that the student has received training in the areas indicated.

Instructor Signature:

For more information, contact:

CTE Pathways Help Desk

(785) 296-4908

pathwayshelpdesk@ksde.org



900 S.W. Jackson Street, Suite 102

Topeka, Kansas 66612-1212

[https://www.ksde.org](https://www.ksde.org/)

The Kansas State Department of Education does not discriminate on the basis of race, color, national origin, sex, disability or age in its programs and activities and provides equal access to any group officially affiliated with the Boy Scouts of America and other designated youth groups. The following person has been designated to handle inquiries regarding the nondiscrimination policies: KSDE General Counsel, Office of General Counsel, KSDE, Landon State Office Building, 900 S.W. Jackson, Suite 102, Topeka, KS 66612, (785) 296-3201.