

# HEALTH CAREERS (HCT)

## Courses

### HCT 105 First Aid & CPR (1)

This course is an introduction to basic first aid and included CPR certification. The course provides the basic information and skills needed to meet the American Heart Association standards.

### HCT 108 Health Occupations I (4)

Students will learn about a wide variety of careers in allied health fields, job settings, and required training/education and they will do so based upon a body system approach. These careers will be studied utilizing basic disease/illness and wellness/prevention concepts, associated types of patient/disease processes, and the effects of wellness on these processes.

### HCT 122 Medical Terminology (2)

The course introduces the student to the language of the medical field. Medical prefixes, suffixes, and combining forms are introduced to the student so they may have a thorough knowledge and understanding of what they are reading and writing in the medical field. An emphasis is placed on terms, pathological conditions, and diagnostic terms.

### HCT 126 Medical Terminology (3)

The course introduces the students to the language of the medical field, including commonly used abbreviations. Medical prefixes, suffixes, and combining forms are introduced so they may have a thorough knowledge and understanding of what they encounter in the medical field. An emphasis is placed on body systems, conditions, diagnostic terms and medical specialties.

### HCT 128 Nurse Aide (5)

This course provides the student with the knowledge and skills necessary to secure employment as a CNA in the workplace through a combination of classroom instruction, nursing lab skill demonstration/practice, and the opportunity to gain instructor supervised experience in a work setting. This program meets state guidelines for the Kansas Nurse Aide certification testing through Kansas Department of Aging and Disability Services.

### HCT 134 Human Growth & Development (3)

This course provides an introduction to physical, cognitive, emotional, and social aspects of human development throughout the life span. It emphasizes developmental processes beginning with conception and continuing throughout childhood, adolescence, adulthood, later life and death. The course focuses on developmental processes, cultural influences, and other factors that make each individual unique. This course takes an inter-disciplinary approach toward human development that is based on science and applied toward the goal of solving important human problems.

### HCT 135 CPR (0)

This course is an introduction to basic first aid and included CPR certification. The course provides the basic information and skills needed to meet the American Heart Association standards.

### HCT 136 Human Anatomy & Physiology (4)

This course is designed to introduce the student to the structure and function of the following body systems: skeletal, muscular, nervous, sensory, circulatory, respiratory, digestive, and urinary systems. This class offers information concerning normal human structures and functions and the developmental changes that occur during an individual's life span. Students will learn specific information about factors associated with expected and abnormal anatomical and physiological changes associated with the body's major organ systems. This course is designed for students who are interested in pursuing a career in a health occupation.

### HCT 137 Human Anatomy & Physiology Lab (2)

This course provides opportunities to observe various anatomical parts and to investigate physiological phenomena. The student will relate specimens, models, microscope slides, and whole body information learned in lecture and read about in the textbook. Study of anatomy of major organ systems includes use of anatomical models and selected preserved animals and organs.

### HCT 138 Home Health Aide (2)

This course is designed for the person seeking to provide direct care services to clients in their home. Home Health Aides assist other health care professionals in maintaining and restoring the client to optimum levels of physical and emotional well-being while allowing the client to remain at home. Upon completion of the course students are eligible to receive a certificate after passing the Kansas Department of Aging and Disability Services exam. Prerequisites: CNA certification

### HCT 141 Nutrition (3)

This introductory course provides a basic knowledge of human nutrition. Students will learn the sources and functions of the various nutrients. They will also explore the interaction of diet, disease, prevention, and treatment. Through the use of computerized nutrition program, students will analyze their diets for nutritional deficiencies and excesses.

### HCT 148 Medication Aide (5)

The Certified Medication Aide (CMA) course is designed for the person seeking work in a long-term care facility. The CMA course introduces the student to basic concepts of medication administration including drug classification, drug action, and nursing implications for specific drugs. Student's participation in hands-on experience in a clinical setting is an integral part of the course. Upon completion of the course, students are eligible to receive a Medication Aide certificate after passing the Kansas Department of Aging and Disability Services exam. Prerequisite: CNA certification

### HCT 160 Fundamentals of Phlebotomy (2)

This course is designed to train individuals to properly collect and process blood and other clinical specimens for laboratory testing and to interact with health care personnel, clients, and the general public. Presentation includes equipment and additives, basic anatomy, and techniques for safe and effective venipuncture. Emphasis will be placed on collection techniques, specimen processing, Order of Draw, departments in the clinical laboratory, the tests analyzed in each department, and work flow practices.

### HCT 164 Phlebotomy Lab (2)

This course provides the student with knowledge and practical application of basic laboratory skills with a focus on patient care. Students learn and practice basic skills in venipuncture, sterile technique, patient safety, and documentation. There is major emphasis on the critical elements of laboratory procedures and the scientific rationale for performing the procedures correctly.

**HCT 166 Phlebotomy Clinical Practicum (2)**

A health-related, work-based learning experience that enables the student to apply specialized occupational theory, skills and concepts; direct supervision is provided by the clinical laboratory professional; course provides opportunities to practice phlebotomy skills in a clinical setting; safety, quality control and interpersonal communications will be stressed.

**HCT 168 Phlebotomy National Exam Rev. (1)**

This course is designed to prepare the student for the ASCP or NHA National Exam. The course will include practice test questions over the topics covered in the didactic course Fundamentals of Phlebotomy.

**HCT 204 Microbiology w/ Lab for Health Professions (4)**

This course offers a comprehensive study of the field of microbiology to health science majors. The course will give detailed insights into structure and function of microbes (cellular structures, metabolism, and growth), microbial genetics, microbial ecology, microbial diversity (prokaryotes, eukaryotes, viruses) and clinical microbiology (immunity, pathogenicity, epidemiology, control of microbes, and diseases). Lab component follows along with chapters of the text covering topics such as how to gram stain microbiology specimens, isolating a culture from a petri dish, testing organisms against common antibiotics, etc.