

# HEALTH SCIENCE (HSC)

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## **HSC 100 Basic Nursing Assistant Skills (4 Credits)**

This state approved 100-hour program prepares students for employment in a variety of health care settings such as nursing homes, hospitals and home health care agencies where they will work as a nursing assistant. After the class is successfully completed, the student will be eligible to take the state clinical and knowledge tests for certification. Certification is required for employment as a nursing assistant in long-term care facilities. Level I Prerequisite: Academic Reading and Writing Levels of 3

## **HSC 101 Healthcare Terminology (1 Credit)**

15 lecture, 1 total contact hours

In this course, students will be introduced to terminology used in the workplace. Medical terms pertaining to anatomy, clinical concepts, disease, diagnosis, treatment, surgery, drugs, and medical procedures are emphasized. Level I Prerequisite: Academic Reading and Writing Levels of 6

## **HSC 103 Healthcare Exploration (1 Credit)**

15 lecture, 1 total contact hours

In this course, students are introduced to careers in the healthcare field and to the healthcare programs offered at Washtenaw Community College. Students will complete a self-assessment, make a career choice, and develop a comprehensive personalized educational plan for a healthcare career. This course will explore essential skills, such as collaboration, communication, problem solving, decision making, and accepting personal responsibility. Students will have the opportunity to connect with healthcare professionals and students in WCC healthcare programs. Level I Prerequisite: Academic Reading and Writing Levels of 3

## **HSC 124 Medical Terminology (3 Credits)**

45 lecture, 3 total contact hours

In this course, students are presented with a comprehensive study of the origins and building blocks of medical terminology. Students develop a comprehensive understanding of medical terms by studying prefixes, and by combining word forms and suffixes. In addition, common abbreviations and drugs are explored. The organization of body systems, disease states, and the definitions of useful diagnostic and procedural terminology to treat human body diseases are also discussed. Level I Prerequisite: Academic Reading and Writing Levels of 6

## **HSC 131 CPR/AED and First Aid (1 Credit)**

15 lecture, 1 total contact hours

In this CPR/AED first aid training program, students prepare to respond to injuries and sudden illness. Students develop the knowledge to prevent injuries and skills necessary to recognize and provide basic care for injuries and sudden illness. The course includes adult CPR/AED, child and infant CPR and first aid. Students who complete the course and pass the exam and checkoff may select either the American Heart Association (AHA) or the American Red Cross (ARC) certificate. The title of this course was previously CPR/AED for the Professional Rescuer and First Aid. Level I Prerequisite: No Basic Skills

## **HSC 138 General and Therapeutic Nutrition (2 Credits)**

30 lecture, 2 total contact hours

This course presents normal nutrition and its relationship to health. It includes a study of the nutrients and nutrition planning guides. Nutritional needs throughout the lifecycle are studied. Concepts of general nutrition are applied to various diet therapies prescribed from common disease states in clinical practice. This course contains material previously taught in HSC 118 and HSC 128. Level I Prerequisite: Academic Reading and Writing Levels of 6

## **HSC 140 Cardiac Telemetry Monitoring (5 Credits)**

In this course, students are introduced to the field of cardiac telemetry. Cardiac Telemetry Technicians are health professionals responsible for measuring and reporting the patient's heart rhythm and rate. Students will develop the skills necessary to measure electrocardiogram (ECG) wave forms, interpret results and differentiate the severity of abnormalities. Forms of reporting are introduced, including standard, urgent and life-threatening emergency procedures. Students will gain experience in troubleshooting different models of ECG equipment. This course includes clinical placements. Level I Prerequisite: Academic Reading and Writing Levels of 6; students must have a GED or high school diploma, attend a mandatory orientation prior to starting the course and complete a successful background check. Continuing eligibility requirements that must be met prior to clinical placement: Negative TB skin test; Complete Health History form (physical examination by practitioner); Hepatitis immunization series or updated titers on file; Health insurance; Current BLS/CPR from AHA; Background check/drug/fingerprinting per policy of hospital

## **HSC 147 Growth and Development (3 Credits)**

45 lecture, 3 total contact hours

In this course, students will be introduced to the physical, cognitive and psychosocial changes of individuals from birth until death. The role of the family and theories of death and mourning also are included. This course meets the nursing program requirements and is also open to the general population. Level I Prerequisite: Academic Reading and Writing Levels of 6; ENG 107 or ENG 111, minimum grade "C", may enroll concurrently

## **HSC 165 Foundations of Caregiving (4 Credits)**

45 lecture, 30 lab, 4 total contact hours

In this course, students explore the principles of caregiving via online lectures, virtual laboratory demonstrations, and various interactive computer activities. Topics include the principles of infection control, safe body mechanics, resident/patient/client rights, basic care procedures, and the role of the nursing assistant. Students will demonstrate basic nursing assistant skills by video recording. Student wishing to earn State certification as a nursing assistant should enroll in the Basic Nursing Assistant Skills course. Level I Prerequisite: Academic Reading and Writing Levels of 3

## **HSC 256 Health Clinical Experience (2 Credits)**

60 clinical/other, 2 total contact hours

In this course, students will explore the health environment and function as a member of the health team by participating in a supervised, unpaid clinical placement in a variety of medical, public health or healthcare facilities. Students will apply their skills in communication, health terminology and budgeting to support a community partner and improve health outcomes using evidence-based practice. In addition, students will prepare documentation related to the health environment. Students who have experience working in a healthcare setting may request credit for this course through a portfolio evaluation. Level I Prerequisite: Academic Reading and Writing Levels of 6; BIO 109 or BIO 111; ACC 111 and ECO 222

## **HSC 257 Evidence-Based Practice in Action (3 Credits)**

45 lecture, 3 total contact hours

In this course, students learn how to bring evidence-based practice (EBP) improvements into clinical practice. The class introduces healthcare students to the EBP Iowa Model Collaborative problem-solving process including research strategies, examples and resources. Students will apply this process to a real-world issue of their selection. The final project results will be shared as an EBP poster, presentation, or publication. Level I Prerequisite: Academic Reading and Writing Levels of 6; BIO 109 or BIO 111; ACC 111 and ECO 222