

# Health Sciences

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## Survey of Health Care Careers

HLTHS 1100 - 2 Credits

An exploration of various allied health professions including diagnostic, medical information, rehabilitation, and patient care services through classroom and field experience. (2 lecture hours)

## Survey Health Care Careers: Field Study

HLTHS 1101 - 2 Credits

An exploration of various allied health professions including diagnostic, medical information, rehabilitation, and patient care services through career shadowing. (2 lecture hours)

## Rehabilitation Aide

HLTHS 1106 - 2 Credits

Overview of the role and necessary skills of a Physical Rehabilitation Aide. Exploration of modalities of physical rehabilitation including effects of aging, neuromuscular/neurological, musculoskeletal disorders and cardiopulmonary disease. Prerequisite: CNA, RN, LPN, Developmental Disabilities Aide, and Child Care Aide (2 lecture hours)

## Biomedical Terminology

HLTHS 1110 - 4 Credits

Introduction of medical terms for each body systems and specialty medical fields. Includes word roots, prefixes and suffixes commonly encountered in the health care field. Previous medical background unnecessary. (4 lecture hours)

## Pharmacy Technician

HLTHS 1115 - 5 Credits

Overview of the role and fundamental skills necessary for a professional pharmacy technician. Exploration of pharmacy abbreviations, calculations, drug classifications, basic anatomy and physiology, disease states, drug interactions, and prescription processing is included. Prerequisite: High School diploma or GED (5 lecture hours)

## Introduction to Clinical Lab Science

HLTHS 1120 - 3 Credits

Introduction to the profession of clinical laboratory science and to the clinical laboratory scientist's role in the delivery of health care. An exploration of all clinical areas of the laboratory and the major work components performed in each area. Prerequisite: Health Sciences 1110 with a grade of C or better, or consent of instructor (2 lecture hours, 2 lab hours)

## **Basic Phlebotomy Techniques**

HLTHS 1122 - 4 Credits

An overview of venipuncture and capillary puncture techniques for obtaining blood specimens for laboratory analysis. Prerequisite: Health Sciences 1110 or concurrent enrollment in Health Sciences 1110 (3 lecture hours, 2 lab hours)

## **Phlebotomy for Health Professionals**

HLTHS 1123 - 2 Credits

An overview of phlebotomy procedures designed for the medical assistant, practicing nurse, and/or health science students who desire to learn phlebotomy techniques. Basic information about phlebotomy as well as hands-on practice is included. This course will not advance towards phlebotomy certification. Prerequisite: Health Science 1110 with a grade of C or better or equivalent or concurrent enrollment in Health Sciences 1110 or consent of instructor. (1 lecture hour, 2 lab hours)

## **Phlebotomy Clinical**

HLTHS 1124 - 2 Credits

Integrated clinical practice in the area of venipuncture and capillary puncture for the collection of blood specimens for diagnostic analysis. This course can only be taken on a pass/fail basis. Prerequisite: Consent of instructor is required.

## **Phlebotomy Exam Review**

HLTHS 1125 - 1 Credits

Comprehensive review and update of phlebotomy practice, to include theory and procedures, as well as preparation for the certifying exam. This course can only be taken on a satisfactory/fail basis. Prerequisite: Health Sciences 1124 with a grade of S or better or equivalent or concurrent enrollment in Health Sciences 1124 or consent of instructor. (1 lecture hour)

## **Basic Non-Invasive Electrocardiography**

HLTHS 1126 - 2 Credits

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An overview of the basic non-invasive 12 lead electrocardiographic (EKG) procedure. Exploration of anatomy, physiology, and electrical activity of the heart included. Prerequisite: Health Sciences 1110 or concurrent enrollment in Health Sciences 1110 or consent of instructor (1 lecture hour, 2 lab hours)

## EKG Clinical

HLTHS 1127 - 1 Credits

Integrated clinical practice in the area of electrocardiography. Students obtain patient Electrocardiograms (EKG), Holter monitor, and the Treadmill Stress Test (TMST) via non-invasive electrocardiographic procedures. Prerequisite: Health Sciences 1126

## Adv Non-Invasive Electrocardiography

HLTHS 1128 - 3 Credits

Advanced electrocardiography (EKG) includes electrophysiology of the heart and identification of waveforms. Cardiac arrhythmias, cardiac disease states and cardiac medications included. Non-invasive cardiology testing to include Holter monitor and Treadmill Stress Testing (TMST). Prerequisite: Health Sciences 1126 or consent of instructor (2 lecture hours, 2 lab hours)

## Non-Invasive Ekg Clinical

HLTHS 1129 - 1 Credits

Integrated clinical practice in the area of electrocardiography to include electrocardiograms (EKG), Holter monitor testing, the Treadmill Stress Test (TMST), and telemetry via non-invasive electrocardiographic procedures. Prerequisite: Consent of instructor is required.

## Health Care Collaboration

HLTHS 1145 - 3 Credits

Examines changes in health care due to an aging population, availability of resources, and related factors. Explores the impact of national initiatives and regulating bodies on standards of practice. Determines the role of the interdisciplinary health care team as it impacts patient outcomes. Prepares students to collaborate within a multidisciplinary team. (3 lecture hours)

## CPR-Basic Life Support-Healthcare Prvdr

HLTHS 1150 - 1 Credits

Cardiopulmonary resuscitation (CPR) for victims of all ages intended for participants who provide health care to patients in a wide variety of settings, including in-hospital and out-of-hospital settings. (2 lab hours)

## **CPR-Basic Life Support Instructor**

**HLTHS 1160 - 1 Credits**

Prepares American Heart Association (AHA) instructors to disseminate the science, skills and philosophy of Cardiopulmonary Resuscitation (CPR) programs to participants enrolled in AHA courses. Purpose of the course is to provide instructor candidates with the knowledge and skills necessary to reach and teach potential Basic Life Support providers (BLS). Prerequisite: Health Sciences 1150 or equivalent (may be an M.D., R.N., paramedic, EMT-B, respiratory therapist or other as described by AHA-CPR recognition) (2 lab hours)

## **Special Project**

**HLTHS 1800 - 1-3 Credits**

Special project courses in the discipline cover topics not otherwise covered by general education courses and other courses in the Catalog for the discipline. These courses require direct experience and focused reflection in an in-depth study of a specific topic and/or the critical analysis of contemporary issues in the discipline. They are targeted to self-selected students with an interest in the subject matter and involve active participation. The course delivery incorporates an experiential component of no less than 30% but not to exceed 70%. This experiential component may include field studies, interdisciplinary learning, and/or the practical application of the discipline concepts, theories, principles, and methods with a specific focus. All courses require an orientation session to deliver academic and experiential information (syllabus, academic requirements, field preparation, logistics, etc.) This course may be taken four times for credit as long as different topics are chosen

## **Selected Topics**

**HLTHS 1820 - 1-3 Credits**

Introductory exploration and analysis of selected topics with a specific theme indicated by course title listed in college Class Schedule. This course may be taken four times for credit as long as different topics are selected. (1 to 3 lecture hours)

## **Selected Topics**

**HLTHS 1821 - 3 Credits**

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Introductory exploration and analysis of selected topics with a specific theme indicated by course title listed in college Class Schedule. This course may be taken four times for credit as long as different topics are selected. (2 lecture hours, 2 lab hours)

## Independent

### HLTHS 1840 - 1-4 Credits

Exploration and analysis of topics within the discipline to meet individual student-defined course description, goals, objectives, topical outline and methods of evaluation in coordination with and approved by the instructor. This course may be taken four times for credit as long as different topics are selected. Prerequisite: Consent of instructor is required (1 to 4 lecture hours)

## Pharmacology for Med Assisting

### HLTHS 2235 - 3 Credits

Study of prescribed drugs as they relate to medical assisting. Emphasis on legislation, common medications prescribed, dosage calculation, preparation, administration and adverse reactions. Prerequisite: Admission to program and Health Sciences 2233 with a grade of C or better, or concurrent enrollment in Health Sciences 2233 or consent of instructor (3 lecture hours)

## Internship (Career & Technical Ed)yCoop Ed/Internship Occup

### HLTHS 2860 - 1-4 Credits

Course requires participation in Career and Technical Education work experience with onsite supervision. Internship learning objectives are developed by student and faculty member, with approval of employer, to provide appropriate work-based learning experiences. Credit is earned by working a minimum of 75 clock hours per semester credit hour, up to a maximum of four credits. Prerequisite: 2.0 cumulative grade point average; 12 semester credits earned in a related field of study; students work with Career Services staff to obtain approval of the internship by the Associate Dean from the academic discipline where the student is planning to earn credit.

## Internship Advanced (Career & Tech Ed)

### HLTHS 2865 - 1-4 Credits

Continuation of Internship (Career and Technical Education). Course requires participation in Career & Technical Education work experience with onsite supervision. Internship learning objectives are developed by student and faculty member, with approval of employer, to provide appropriate work-based learning experiences. Credit is earned by working a minimum of 75 clock hours per semester credit hour, up to a maximum of four credits. Prerequisite: 2.0 cumulative

grade point average; 12 semester credits earned in a related field of study; students work with Career Services staff to obtain approval of the internship by the Associate Dean from the academic discipline where the student is planning to earn credit.