

HEALTH SCIENCE (HS)

HS 104 Survey of Human Anatomy

4 Class Hours, 4 Quarter Credit Hours

This survey course prepares students to understand basic concepts of human anatomy and physiology by providing a basic understanding of how the human body functions and adapts. All systems in the human body will be presented with particular emphasis on those systems most commonly seen in health care.

HS 105 Successful Study Skills for Healthcare Professionals

1 Class Hours, 2 Lab Hours, 2 Quarter Credit Hours

Studying science is a unique process and this course is designed to help students comprehend, question, prepare, debate, discuss and begin to analyze content specific to the healthcare disciplines. Students will learn to budget time, study smart and effectively, focus on what is important to learn and develop a set of skills to use their best method of learning to maximize success in any course within the program. This dynamic and interactive course will be the building blocks of student success in any of the healthcare professions.

HS 107 Medical Terminology

2 Class Hours, 2 Quarter Credit Hours

Students will be exposed to the language of healthcare professionals allowing students the ability to read medical records, understand terminology seen in all healthcare disciplines and speak the language of a healthcare professional.

HS 111 Introduction to Health Careers

2 Class Hours, 2 Lab Hours, 3 Quarter Credit Hours

The structure of the healthcare field will be examined. This will include medicine, nursing, and many allied health professions. Discussion and investigation into the roles of many health professionals will be examined. Students will undergo investigation into three professions of their choice for the end project for this course.

HS 121 Assessment and Pharmacology

3 Class Hours, 2 Lab Hours, 4 Quarter Credit Hours

Prerequisites: HS 104

This course will provide basic assessment of a patient, as well as more detailed assessment by system. Additionally, the drug classifications commonly used to treat disorders of those systems will be discussed.

HS 201 Introduction to Medical Ethics and Bioethics

3 Class Hours, 3 Quarter Credit Hours

Prerequisites: EN 100 and (BIO 100 or BIO 107)

This course is designed for the allied health student who has not been exposed to formal medical ethics or bioethics theory. Purposely broad in nature, it introduces students to important medical ethical issues pertaining to the healthcare professions such as confidentiality, informed consent, euthanasia, abortion, genetic engineering, and organ allocation. A unique aspect of this course is the focus on current bioethical issues in the news. Topic selection will be driven by current issues in bioethics affecting the healthcare provider as well as the public at large.

HS 241 Medical Office Administration and Management

2 Class Hours, 2 Lab Hours, 3 Quarter Credit Hours

Prerequisites: HS 104 and HS 107

This course will cover the theory and practice of administrative duties in a medical office. This will include scheduling, registration, insurance verification, and formal business communication. Additionally, protocol of handling of paper documents and telephone technique will be discussed and practiced.

HS 242 Public Health Topics

4 Class Hours, 4 Quarter Credit Hours

Prerequisites: EN 100 and EN 110 and HS 103 and HS 105 and (BIO 100 and BIO 120) or (BIO 107 and BIO 127)

This introductory course lets students discover what public health is and how it works, structured through the 10 public health achievements of the 20th century. Each week students investigate a topic to present to the class and have group discussions. The course will also have guest speakers and/or off-site assignments where students see public health in action and keep a journal about the public health topics covered in class and what it means for the health profession.

HS 251 Medical Insurance

3 Class Hours, 2 Lab Hours, 4 Quarter Credit Hours

Prerequisites: HS 107

An overview of insurance coverage in the United States is presented. The proper, efficient, and accurate completion of the many types of insurance forms is taught. Blue Shield, Medicare, Medicaid, Workers' Compensation and private insurance are taught and practiced. Correct procedure coding using CPT codes is researched. Diagnosis coding for maximal reimbursement utilizing ICD codes is perfected. Multiple exercises are included to allow students to exercise newly acquired skills.

HS 252 Fundamentals of Pathophysiology

4 Class Hours, 4 Quarter Credit Hours

This course will examine common disease states of the human body. Changes of the body common in aging will also be discussed

HS 254 Introduction to Research in the Health Sciences

3 Class Hours, 2 Lab Hours, 4 Quarter Credit Hours

Prerequisites: EN 100 and EN 110 and HS 105 and HS 107 and (BIO 100 or BIO 107) and (BIO 120 or BIO 127)

This course will introduce students to research specific to healthcare disciplines; provide students with the skills necessary to use research findings to guide overall practice. An overview will be provided to help students effectively search for scientific studies examining search terms and use of databases for optimizing review of the literature. A review of scientific rigor will be explored. All professionals engaged in a healthcare discipline must be able to conduct a comprehensive search of the literature to make informed decisions regarding healthcare needs.

HS 261 Medical Office Practice Management

3 Class Hours, 2 Lab Hours, 4 Quarter Credit Hours

Prerequisites: HS 251

This course is designed to familiarize students with computerized managed care of a medical environment and to assist them in developing the confidence and skills necessary to become a successful user of managed care software. It includes an understanding of managed care and how it operates, managed care contracts, a hands-on simulation of office procedures such as making and rescheduling appointments, entering procedure charges, and posting payments from varied sources. Practice exercises will be provided throughout the course to afford students the opportunity to apply learned concepts. Upon completion, students can perform computerized management duties as entrylevel practitioners.

HS 262 Electronic Health Records

4 Class Hours, 2 Lab Hours, 5 Quarter Credit Hours

Prerequisites: HS 105 and HS 107

This is an introductory course that will give an overview of the electronic medical record (EMR). Some of the topics presented will include terminology, prescription/medication including E-Prescribing, standard naming conventions, discrete data fields, as compared to scanning and patient disease registries. The practical hands-on experience in a computer lab setting will provide activities similar to what will be encountered in the workplace.

HS 263 Externship

1 Class Hours, 12 Lab Hours, 5 Quarter Credit Hours

Prerequisites: HS 251

Corequisites: HS 261

Preparation for the Clinical Experience begins with an in-class overview of the entire experience. Selection of site by students, according to personal interests, is supported and completion of necessary documents and contracts are done in conjunction with the chosen site and the department chair. Students will use the administrative and clinical skills acquired through the program to work as an entry-level professional medical assistant in an urgent care setting, hospital, clinic, laboratory, or physician's office. Students will complete 120 hours at the site and be independently evaluated as well as perform daily self-valuation.

HS 410 Exercise is Medicine

3 Class Hours, 2 Lab Hours, 4 Quarter Credit Hours

This course will explore the topic of "exercise as medicine". Students will be provided with a wide range of information relating to the parameters that predict the health risks of a sedentary lifestyle and the multifaceted benefits of physical activity. The class will also explore the appropriate recommended exercise prescriptions to increase a person's health span as opposed to simply increasing how long someone lives.

HS 420 Nutrition for Health Promotion

4 Class Hours, 4 Quarter Credit Hours

This course provides an in-depth exploration of the science of nutrition and its application to human health and disease. Students will learn about the biochemical and physiological processes involved in nutrient metabolism, the role of nutrition in maintaining health and preventing disease, and the latest research and recommendations in the field. Students will explore practical skills to motivate behavioral changes needed for health promotion for individuals as well as advocacy and equity for all populations.

HS 430 Introduction to Public Health

4 Class Hours, 4 Quarter Credit Hours

This course introduces students to the history, science and structure of public health. Students will complete hands-on assignments to review and experiment the public health core functions, essential services, and the social determinants of health using population health data and various available resources. The course will require a final project and presentation along with a reflection of their learning.