

# HSC: HEALTH SCIENCES

## Courses

	Credit(s)	Contact	Lab
HSC 1004. INTRODUCTION TO HEALTH PROFESSIONS.	3	3	0
INTRODUCTION TO HEALTH PROFESSIONS Introduction to Health Professions is designed to assist students in formulating their purpose in life as a health care professional as compared to other non-health fields. Through self-discovery, students will investigate their interests, strengths and personal values that align with their educational and health career goals. The faculty are health care professionals and will provide the expertise and guidance needed to help students navigate through the maze of available health careers. Emphasis is on orientation to college, integrated student success skills, and the development of an individualized education plan. Students will learn and integrate practical applications to communicate across diverse populations.			
HSC 1100. PERSONAL HEALTH.	3	3	0
PERSONAL HEALTH Acquaints individual with sound principles of healthful living. Emphasis on helping student meet physical, mental and social stresses of daily life. Topics include nutrition, physical conditioning, mental health, reproduction, diseases pertinent to today's lifestyle and alcohol and drug education.			
HSC 1149. GENERAL PHARMACOLOGY FOR HEALTH PROFESSIONALS.	1	1	0
GENERAL PHARMACOLOGY FOR HEALTH PROFESSIONALS Pre-requisite: Admission to the Health Information Technology Program Overview of the basic concepts of the pharmacological treatment of various diseases affecting the major body systems.			
HSC 1400C. FIRST AID AND CPR.	3	3	3
FIRST AID AND CPR Acquaints students with principles of first aid/CPR in daily living and emergency procedures for cases of unexpected illness or injury. Students may earn standard first aid and cardiopulmonary resuscitation (CPR) certification. (Special Fee: \$20.00).			
HSC 1531. MEDICAL TERMINOLOGY.	3	3	0
MEDICAL TERMINOLOGY Study of the language of medicine. Includes construction, analysis, spelling, application and pronunciation of medical terms and how they relate to the structure and function of the human body. Explores the use of medical words and abbreviations used in clinical procedures, Pathophysiology and case histories.			
HSC 2151. PHARMACOLOGY AND CLINICAL DECISION MAKING.	2	2	0
PHARMACOLOGY AND CLINICAL DECISION MAKING Prerequisite: Admission to the Health-Related Program Corequisite: NUR 2823C Addresses the use of critical thinking in making clinical decisions related to pharmacotherapy. Interventions include: administration of medications, evaluating the effects of medications, responding to the effects of medications, and incorporation of teaching. A general knowledge of drug classifications is required at the start of the course.			
HSC 2550. PATHOPHYSIOLOGY.	4	4	0
PATHOPHYSIOLOGY Prerequisite: BSC 2093C or department approval Concepts of disease and related pathology. Manifestations and etiology of pathological conditions, their relevance to diagnosis and treatment of diseases, trauma, systemic classifications, tissue disruptions and healing process.			

HSC 2561. CARE FOR AN AGING POPULATION.	3	3	0
CARE FOR AN AGING POPULATION This course will serve as an introduction to public health issues related to providing care for an aging population. This course is designed to define and describe long-term care and types of residents, long-term care services, continuum of care, different long term care facilities, and advanced medical directives.			
HSC 2660. HEALTH COMMUNICATION.	3	3	0
HEALTH COMMUNICATION This course will serve as an introduction to key principles used in health communications. This course will provide an overview of health communication-how it is used at the individual, group and community levels to promote consumption of goods and products and its impact on health outcomes.			
HSC 2669. PREVENTION AND COMMUNITY HEALTH.	3	3	0
PREVENTION AND COMMUNITY HEALTH Prerequisite: PHC 2100 and HSC 2660 This course will serve as an introduction to prevention methods in public health. This course is designed to provide an overview of the three primary levels of prevention: primary, secondary, and tertiary prevention.			
HSC 2721. ACCESSING AND ANALYZING HEALTH INFORMATION.	3	3	0
ACCESSING AND ANALYZING HEALTH INFORMATION This course focuses on providing students with the comprehensive knowledge and skill base needed to make evidence-based decisions. This course introduces the most frequently used statistical techniques for analyzing healthcare data. The course explores concepts related to complex data analysis within the healthcare environment and will focus on healthcare practice outcomes for quality improvement. Methods of critical evaluation of data needed to support planning, implementation, and evaluation will be emphasized. Students will address concerns in the professional work setting by analyzing decisions made through use of evidence.			
HSC 2810. HEALTH NAVIGATOR PRACTICUM.	3	3	0
HEALTH NAVIGATOR PRACTICUM Prerequisite: PHC 2100, HSC 2660, HSA 2117, HSC 2669 In this course students are assigned to an affiliate of the health navigator program for a supervised learning experience. Students will be instructed in current procedures and instrument use appropriate for developing entry-level career skills as a health navigator.			
HSC 2941. INTERNSHIP IN EXPLORATION IN HEALTH.	1-4	variable	
INTERNSHIP IN EXPLORATION IN HEALTH Prerequisites: Satisfactory completion of all mandated courses in Reading, Mathematics, English and English for Academic Purposes; a minimum 2.0 institutional or overall GPA; and 12 credits, which may include the following recommended courses (HSC 1001, HSC 1531, BSC 1010C, or PSY 1012). The Program Director/Program Chair/Program Coordinator or Internship Placement Office has the discretion to provide override approval as it relates to the waiver of required program/discipline-related courses. This course is a planned work-based experience that provides students with supervised career exploration activities and/ or practical experiences. Each earned credit of internship requires a minimum of 80 clock hours of work. Multiple credit course. May be repeated for credit, but grade forgiveness cannot be applied. (Internship Fee: \$10.00).			

HSC 4500. EPIDEMIOLOGY.	3	3	0
<p>EPIDEMIOLOGY Prerequisite: Admission into the Cardiopulmonary Program and Community Health Track or into the Radiologic and Imaging Sciences Program. Students in this course will study the pattern of health and illness for patients with chronic disease, with discussions on a clinical approach to prevention and treatment of chronic illness. Students will learn how to identify risk factors and utilize evidence-based medicine in a clinical setting.</p>			
HSC 4555. PATHOPHYSIOLOGIC MECHANISMS.	3	3	0
<p>PATHOPHYSIOLOGIC MECHANISMS Pre-requisite: Admission to the B.S. degree program in Radiologic &amp; Imaging Sciences or Cardiopulmonary Sciences. A rich appreciation of the characteristics and manifestations of diseases caused by alterations or injury to the structure or function of the body are essential to the allied health science professional. The in-depth study of pathophysiology allows the professional to communicate better with other health care professionals, including physicians and scientists, as well as with the patient, for the history and physical assessment. Minimum grade of C required if used to satisfy Radiologic and Imaging or Cardiopulmonary Sciences B.S. degree requirement.</p>			
HSC 4640. INTRODUCTION TO HEALTH LAW.	3	3	0
<p>INTRODUCTION TO HEALTH LAW Prerequisite: Admission into the BS in Radiologic &amp; Imaging Sciences, or the BS in Cardiopulmonary Sciences programs, or the ATC in Leadership in Healthcare. Minimum grade of C in HSA 3702. This course serves as an introduction to how legal doctrines and precedents apply to clinical practice of healthcare professionals, and will explore how health care, medical ethics and the law intersect. Students will explore the importance of professional practice standards and why careful adherence to them ensures optimal patient safety, thereby minimizing the risk of negligence or malpractice liability. Minimum grade of C required if used to satisfy Radiologic and Imaging Sciences B.S. degree requirement.</p>			
HSC 4652. ETHICS AND HEALTH CARE IN A PLURALISTIC SOCIETY.	3	3	0
<p>ETHICS AND HEALTH CARE IN A PLURALISTIC SOCIETY Prerequisite: Admission into the BS in Radiologic &amp; Imaging Sciences, or the BS in Cardiopulmonary Sciences programs. The course is designed to provide students with an ethical framework for decision-making in the context of a pluralistic society. Models and principles of ethical justification among diversity of cultures and belief systems will be analyzed. Specific applications are made to concerns in clinical and health care management. Topics include the right to health care, community health ethics, end-of-life issues, and organizational ethics. Minimum grade of C required if used to satisfy Radiologic and Imaging Sciences B.S. degree requirement.</p>			